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 Wednesday, 1st September, 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 ...	29.75	50	NE	0	0	29.69	-.21	55	52	+ 8	S	2	c	#	0	#	63	43	
	Hernösand ...	29.75	58	S	4	c	29.52	-.32	59	57	+ 4	NE	6	c	#	c	#	66	50	
	Stockholm ...	29.68	63	SE	4	0	29.49	-.38	59	57	- 3	SW	6	c	#	0	#	68	52	0.71
	Wisby	29.67	63	S	4	0	29.62	-.26	60	56	- 1	SW	8	bc	#	0,l	#	70	54	0.32
	Karlstad ...	29.56	62	SE	2	c	29.41	-.36	58	55	- 4	SW	4	0	#	c,r	#	#	#	0.28
	Bodö	29.61	61	NW	0	bc	29.56	-.23	58	52	+ 1	E	2	bc	1	bc	#	66	54	0.08
	Christiansund ...	29.56	59	NE	2	0	29.45	-.18	58	56	- 2	NW	0	f	1	0	#	63	57	0.04
	Skudesnaes ...	29.50	61	W	2	0	29.45	-.20	59	58	- 1	NW	6	c	2	bc,o	#	66	55	#
	Færder (Christiania Fjord)	29.54	61	S	2	bc	29.36	-.35	58	56	- 4	SSE	2	0	3	bc	#	63	57	1.26
	Skagen (The Scaw)	29.54	57	W	1	r	29.36	-.33	59	56	- 2	SW	5	c	2	r	#	66	55	0.12
	Fanö	29.58	59	WSW	1	b	29.58	-.10	59	56	- 1	W	1	c	#	b,tlr	#	66	57	0.52
British Islands	Sumburgh Head	29.46	56	SSE	1	bc	29.50	+.07	53	52	- 4	WNW	1	c	3	bc	#	61	45	0.01
	Stornoway ...	29.40	59	S	3	c	29.49	+.20	57	55	+ 1	SE	1	0	0	o,c	3.4	60	50	
	Wick	29.49	56	NE	0	b	29.54	+.12	55	54	- 2	N	1	b	0	b	#	65	39	
	Nairn	29.44	63	NE	0	bc	29.51	+.14	52	52	- 8	W	1	c	1	bc	#	67	40	
	Aberdeen ...	29.45	57	S	2	c	29.53	+.09	51	49	- 7	WNW	1	ogmw	2	c,l	6.8	63	44	
	Leith	29.46	61	WSW	3	c	29.52	+.08	59	56	+ 4	SSW	1	0	#	c	#	68	52	
	Shields	29.53	60	SW	3	c	29.60	+.11	55	53	+ 1	SSW	2	c	2	cp,c	#	64	51	
	Spurn Head ...	29.62	57	SW	4	cptl	29.68	+.15	59	58	+ 4	SW	4	c	4	tlr	#	63	54	0.19
	York	29.58	60	WSW	1	c	29.66	+.14	57	55	+ 2	S	1	bc	#	c	3.7	65	50	0.10
	Loughborough ...	29.67	59	SW	3	c	29.73	+.12	57	55	+ 1	SSW	3	cmw	#	cqp,tl	#	64	52	0.03
	Ardrossan ...	29.45	58	SSE	4	bc	29.49	+.06	57	56	+ 1	SSE	4	bc	3	c,bc	#	60	54	0.03
	Malin Head ...	29.41	58	SW	4	om	29.41	+.08	56	54	+ 1	S	5	c	2	c,om	#	63	52	0.02
	Belmullet ...	29.44	58	WSW	4	0	29.42	+.02	57	56	- 1	WSW	4	0	#	bc,o	#	60	54	0.11
	Donaghadee ...	29.48	58	SSW	3	bcp	29.52	+.06	56	55	0	SW	4	bc	2	bcp	#	64	52	0.10
	Liverpool (Bidston)	29.60	58	SW	4	c	29.64	+.09	57	53	- 2	S	1	0	2	c	#	63	55	0.03
	Holyhead ...	29.58	58	SW	6	cm	29.60	+.06	57	56	- 1	SW	5	op	4	bc,cm	#	62	55	
	Parsonstown ...	29.53	59	W	1	bc	29.49	-.03	56	54	+ 1	S	1	o	#	bc,pd	6.8	62	54	0.11
	Valencia ...	29.61	59	SW	5	op	29.47	-.09	56	55	- 1	S	1	gmr	3	c,og,op	2.6	61	54	0.22
	Roche's Point ..	29.64	58	W	4	cpo	29.54	-.08	56	55	- 2	S	3	r	4	cp	#	60	54	0.10
	Pembroke (St. Ann's Hd.)	29.67	59	W	7	o	29.64	.00	57	57	- 2	W	6	r	5	c,o	7.7	60	55	0.34
	Scilly	29.84	60	SW	5	cp	29.71	-.04	58	57	- 1	S	5	r	4	cp	10.3	65	55	0.37
	Prawle Point ...	29.83	58	SW	6	bc	29.78	+.01	55	54	- 3	SSW	4	or	4	c	#	61	54	0.11
	Jersey (St. Anbin's)	29.94	62	W	6	cqp	29.89	+.02	61	59	0	SSW	5	ogc	5	bc,gp	#	65	58	0.06
	Hurst Castle ...	29.82	63	WSW	7	c	29.83	+.08	61	60	0	SW	5	gp	3	c,cl	#	64	55	0.02
	Dungeness ...	29.78	62	WSW	8	bc	29.85	+.13	60	59	+ 2	SW	6	o	5	c,bc	#	65	57	0.17
	North Foreland	29.81	61	SSW	5	bc	29.85	+.14	60	57	0	SW	3	c	2	c,tlr,bcl	#	67	52	0.02
	London (Brixton) ...	29.78	56	WSW	3	optl	29.83	+.13	57	55	0	S	1	o	#	ptl,bvl	7.8	71	50	0.34
	Oxford	29.78	55	SW	2	o	29.78	+.10	56	54	0	S	4	o	#	otr	.	61	52	0.12
	Cambridge ...	29.73	59	SW	2	c	29.79	+.14	57	55	+ 1	SW	3	or	#	c	8.8	67	50	-
	Yarmouth ...	29.69	61	SW	4	bc	29.78	+.18	60	55	+ 2	WSW	4	b	3	bc	#	66	51	-
Germany & Holland.	Cuxhaven ...	29.70	61	WSW	5	c	29.73	+.01	58	57	- 3	WSW	6	bc	#	c,rl	#	63	55	0.28
	Berlin	29.84	60	W	1	b	29.89	+.05	58	54	- 5	WSW	4	b	#	b	#	75	55	0.12
	Wiesbaden ...	#	#	#	#	#	30.06	+.17	57	55	- 4	E	0	b	#	#	#	72	52	0.32
	Munich... ..	30.12	63	W	4	bc	30.15	+.10	61	56	- 3	N	4	0	#	bc	#	73	57	0.08
	The Helder ...	29.71	62	SW	6	t	29.80	+.21	61	56	+ 3	WSW	5	bc	3	bc,t	#	64	57	0.04
Belgium.	Brussels ...	#	#	#	#	#	29.95	+.18	57	54	- 3	WSW	2	bc	#	c	#	66	54	
	Cape Gris Nez...	29.82	62	W	6	bc	29.86	+.14	60	57	+ 2	N	5	0	5	bc	#	63	57	0.08
	Paris	29.98	64	SW	3	b	30.00	+.10	57	55	- 4	S	2	bc	#	b	#	71	52	
	Brest	29.91	59	SW	3	r	29.82	-.07	60	58	0	SSW	4	o	4	r	#	63	?	-
	Lorient	30.01	61	W	5	c	29.91	-.03	62	60	+ 1	SW	5	c	5	c	#	68	46	-
France &	Rochefort ...	30.08	66	NW	4	bc	30.07	.00	64	62	- 1	S	4	b	#	bc	#	72	?	-
	Belfort	30.02	63	NW	6	bc	30.09	+.15	58	55	- 4	N	1	o	#	bc	#	69	54	0.08
	Lyons	30.10	67	SW	1	c	30.13	+.13	63	59	- 3	N	1	b	#	c	#	79	56	0.04
	Nice	30.04	71	E	0	c	30.06	+.02	69	66	+ 2	E	1	c	2	e	#	81	64	-
	Perpignan ...	30.08	75	NW	3	0	30.09	+.05	67	64	- 3	E	0	b	#	o	#	86	62	-
	Biarritz ...	30.11	69	NNW	3	o	29.97	-.08	64	62	- 5	ESE	4	b	2	o	#	79	63	-
Peninsula.	Corunna ...																#			
	Lisbon	30.14	66	NNW	5	b	30.12	-.01	67	61	- 1	NNW	4	b	#	b	#	79	61	-
	Azores (P. Delgada)	30.21	73	NW	4	bc	30.21	-.02	70	68	- 2	NE	4	c	3	bc	#	77	70	0.32

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

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

Bright Sunshine yesterday Southport 9.4 hrs;

WEATHER CHARTS

FOR Wednesday, 1st September, 1897.

BAROMETER, WIND AND SEA.

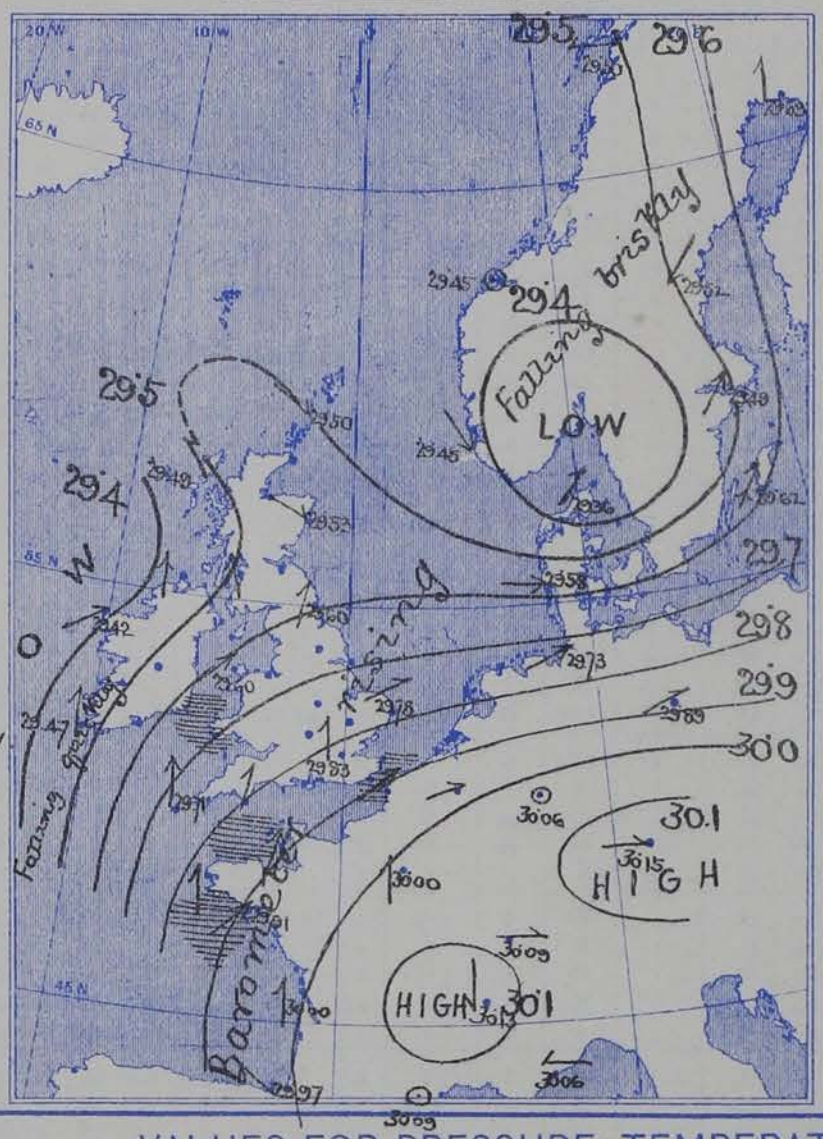
BAROMETER—Isobars are drawn for each tenth of an inch.

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 SEPTEMBER.

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* 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 France, the southern parts of Germany, and the north of Italy.
Lowest. (1) Below 29·4 ins: in a depression over Norway, and below 29·5 ins: over the west of Ireland – still lower over the Atlantic.
Gradients slight and variable in the north, rather steep for SW^{rly} and S^{rly} winds in the south, and increasing.
Barometer rising a little in Scotland, but has begun to fall again in the southwest of our Islands.

TEMPERATURE

Highest, 64° to 60° at the French stations, 60° at Dungeness and Ushy.
Lowest. 51° at Aberdeen, 52° at Nairn, 53° at Lerwick Hd., 55° at Shields and also at Haparanda.
The maxima recorded yesterday were 60° to 64° in Ireland, rather higher over Scotland and the north of England, and touched 71° in London and at Paris, 75° at Berlin, 81° at Nice, and 86° at Perpignan.

WIND

Very light and variable in Scotland, strong to moderate from the SW^{rly} over the east of England, and from S. at the northern English stations and Ireland. In the south and east of France it is light and anticyclonic.

WEATHER

Fair at the Scotch stations and in the north of Ireland and northeast of England; dull in the southeast, raining in the southwest, and very unsettled generally.
Fair weather was prevalent at the Scotch stations and over the greater part of France yesterday; elsewhere there was considerable rain at times and thunderstorms were general over England. Bright Sunshine recorded yesterday was slight in the south of Ireland, but considerable in the west and south of England (10·3 hrs at Scilly, nearly 8 hrs in London).

SEA

Rather rough in the southwest, slight in the east and north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new depression has been developed over Scandinavia during the night: another is advancing towards our southwestern districts and the general appearance is very unsettled.

FORECASTS

For the 24 hours ending at NOON on 2nd SEPT: 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Variable winds; changeable weather, some showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	S^{rly} winds, strong to a gale; squally, rainy, some thunder.
4	MIDLAND COUNTIES	
▽ 5	ENGLAND SOUTH	
6	SCOTLAND WEST	Varying winds, weather very changeable and unsettled.
▽ 7	ENGLAND N.W.	
▽ 8	ENGLAND S.W.	Same as Nos 3 to 5
9	IRELAND NORTH	Same as Nos 6 and 7.
▽ 10	IRELAND SOUTH	Wind varying SW. to NW. and blowing hard, with rain.
	WARNINGS	At 10·20 am to districts 5, 8, 10, and part of 7 "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 ...	29·67	66	62	SSW	5	bc	3	Valencia	29·59	60	57	SW	5	og	6
Sumburgh Head	29·49	59	57	SSE	2	bc	4	Scilly	29·80	64	60	SW	5	cp	4
Stornoway	29·87	58	56	S	4	o	5	Jersey	29·94	65	58	SW	7	bc	5
Aberdeen	29·44	61	55	S	3	c	3	Hurst Castle ...	29·80	64	61	WSW	6	c	4
Shields	29·51	62	56	SW	2	cp	2	Dungeness ...	29·77	64	62	WSW	8	c	6
Ardrossan	29·44	60	55	SSE	4	c	3	North Foreland	29·77	66	60	SW	5	c	3
Malin Head ...	29·35	62	57	S	4	c	4	London (Westminster)	29·74	65	58	SW	3	cp	*
Belmullet	29·42	59	56	WSW	4	bc	*	Yarmouth ...	29·66	65	56	WSW	5	bc	3
Holyhead	29·80	62	58	SW	6	bc	5	Rochefort ...	30·14	72	68	NW	4	bc	*

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

Weather in morning fine and light over the Mediterranean, southern, and eastern Europe, as well as in many parts of Scandinavia and Great Britain, showery and unsettled, however, at several stations in the southwest and south of our Islands, in the Netherlands and west of Norway. Rain falling later very generally over Ireland, England, Germany and Scandinavia, the amounts being heaviest at Jarden (1·26 in.) and at Stockholm (0·71 in.). Thunder and lightning occurring in many parts of England, the northwest of Germany and Denmark.

Temperature in morning highest 80° at Algiers and Palma, and exceeding 70° on the southern shores of the Mediterranean as a whole, as well as at Lyghon and Livorno; 60° and more over France, Austria, Germany, Denmark and the south of Scandinavia, lowest (1) 45° at Archangel, 47° at Haparanda, 51° at Kuopio; (2) 54° at Shields, 55° at Malin Hd, Pavenstown and York, 56° at Oxford. Failing to reach 65° over Ireland and the west of Scotland during day, but touching 67° at Nairn, 68° at Leith, 71° in London and at Paris, 81° at Nice and 86° at Perpignan.

Wind remaining very light and variable on the southern and eastern coasts of Europe; very strong from WSW. on the English Channel and the south of the British Islands, strong from S. in the west of Scotland, light in the east, and SE. to E. over Norway, Finland, and the Baltic Provinces.

Barometer highest 30·1 in. and more to 29·9 in. over all the southern, southeastern, and central countries, as well as in the extreme north of Russia. Lowest, below 29·3 in. off our extreme northwest coasts, and below 29·8 in. in a shallow system over Central Russia. Rising slowly over the British Islands all day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Thursday 2nd September, 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.	Temp. Min.	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.60	50	7	0	bc	29.55	−.14	51	49	−4	7	0	c	#	bc	#	61	36	—
	Hernösand ...	29.44	54	7	0	b	29.50	−.02	57	55	−2	N	2	bc	#	b	#	61	54	0.20
	Stockholm ...	29.42	55	S	2	b	29.54	+.05	58	57	−1	SW	4	r	#	b	#	64	54	0.12
	Wisby	29.54	60	W	9	c	29.68	+.06	60	57	0	SW	8	o	#	c	#	66	57	—
	Karlstad ...	29.40	58	SSW	4	r	29.52	+.11	59	56	+1	SSW	4	o	#	r	#	#	#	0.16
	Bodö	29.50	61	7	0	c	29.50	.00	57	54	−1	7	0	o	0	c	#	63	54	0.12
	Christiansund ...	29.52	57	N	2	c	29.62	+.07	57	54	−1	7	0	c	0	c	#	59	55	—
	Skudesnaes ...	29.58	59	7	0	bc	29.43	−.02	58	57	−1	E	2	o	3	bc	#	63	55	#
	Færder (Christiania Fjord)	29.44	64	W	3	c	29.49	+.13	61	58	+3	SW	5	o	4	c	#	64	54	0.08
	Skagen (The Scaw)	29.58	60	WNW	5	bc	29.54	+.18	59	55	0	SW	3	o	0	bc	#	64	55	0.08
	Fanö	29.71	60	WSW	5	c	29.48	−.10	58	57	−1	SE	4	c	#	c	#	64	54	0.08
	Sumburgh Head	29.51	54	WNW	1	c	29.39	−.11	54	53	+1	NNE	1	o	3	o.c	#	57	47	—
	Stornoway ...	29.47	57	E	3	o	29.53	+.04	48	47	−9	NE	4	o	4	o	0.3	61	46	0.01
	Wick	29.51	53	SE	2	o	29.43	−.11	53	51	−2	N	3	c	1	o	#	62	45	—
	Nairn	29.44	57	E	1	o	29.40	−.11	55	52	+3	NW	2	o	2	rt,o	#	62	49	0.39
	Aberdeen ...	29.46	56	SSE	2	c	29.32	−.21	54	53	+3	N	4	orgq	3	c	3.4	62	51	0.02
	Leith	29.41	59	7	0	o	29.29	−.23	55	54	−4	N	2	r	#	o	#	66	53	0.20
	Shields	29.47	57	S	3	r	29.18	−.42	54	54	−1	N	3	odp	2	o.r	#	64	53	0.60
	Spurn Head ...	29.50	58	SSE	5	r	29.20	−.48	56	55	−3	SW	5	rq	5	op,tlr	#	64	55	0.35
	York	29.51	57	SSE	2	r	29.20	−.46	58	57	+1	SW	2	r	#	c.r	2.1	64	54	0.30
	Loughborough ...	29.45	57	SSE	3	r	29.33	−.40	56	53	−1	SW	6	bq	#	r.pq.bc	#	61	54	0.48
BRITISH ISLANDS.	Ardrossan ...	29.38	58	NE	1	o	29.34	−.15	55	53	−2	NNW	3	p	2	bc,o	#	60	53	0.10
	Malin Head ...	29.33	55	SE	2	r	29.47	+.06	55	54	−1	NW	7	cp	6	c,r	#	60	54	0.10
	Belmullet ...	29.40	57	WNW	1	b	29.66	+.24	55	52	−2	N	5	opq	#	bc,b	#	62	52	0.13
	Donaghadee ...	29.35	55	E	3	/ r	29.38	−.14	55	55	−1	NNW	5	r	3	r	#	59	53	1.25
	Liverpool (Bidston)	29.28	56	ESE	5	r	29.23	−.41	54	53	−3	WSW	6	r	?	r	#	61	54	0.86
	Holyhead ...	29.22	56	E	4	rgm	29.36	−.24	54	54	−3	NW	7	rq	6	rgm	#	60	53	1.10
	Parsonstown ...	29.28	52	NW	1	r	29.56	+.07	55	53	−1	W	1	bc	#	or,o	0.0	59	52	0.38
	Valencia ...	29.37	58	WNW	5	op	29.66	+.19	57	54	+1	N	5	cpq	5	op	0.1	59	54	0.41
	Roche's Point ..	29.29	55	NW	6	c	29.60	+.06	58	55	+2	N	5	c	4	r.c	#	58	52	0.96
	Pembroke (St. Ann's Hd.)	?	57	WSW	6	o	29.51	−.13	57	56	0	WNW	5	rq	5	o	0.1	60	55	0.55
	Scilly ... ... †	29.39	58	WSW	7	o	29.61	.00	59	57	+1	WSW	5	cp	4	c,o	0.5	64	55	0.35
	Prawle Point ...	29.37	56	SSW	8	o	29.60	−.18	57	56	+2	SW	6	b	5	or,o	#	59	53	0.39
	Jersey (St. Aubin's)	29.58	65	S	7	op	29.71	−.18	62	58	+1	SW	7	bcm	6	op	#	68	59	0.04
	Hurst Castle ...	29.44	64	SSW	7	pq	29.55	−.25	61	59	0	WSW	7	cp	4	rq	#	64	59	0.44
	Dungeness ...	29.64	62	S	5	r	29.55	−.30	60	60	0	SW	8	c	7	o.rq	#	65	59	0.13
	North Foreland	29.63	63	SE	5	rqw	29.55	−.30	61	58	+1	SW	7	bc	5	o.rqw	#	63	57	0.19
	London (Brixton) ...	29.54	60	S	4	or	29.51	−.32	60	58	+3	SW	6	bcq	#	or.pq	0.3	61	56	0.35
	Oxford	29.34	58	S	7	o	29.47	−.31	57	55	+1	SW	6	o	#	or.tq	#	60	56	0.56
	Cambridge ...	29.52	59	SE	3	o	29.43	−.36	59	55	+2	SW	5	c	#	orq	0.5	61	55	0.23
	Yarmouth ...	29.62	60	S	4	rq	29.40	−.38	61	56	+1	SW	7	cq	4	c,rq	#	65	55	0.16
GERMANY & HOLLAND.	Cuxhaven ...	29.81	61	SW	5	o	29.56	−.17	61	60	+3	SSW	5	o	#	o	#	63	55	0.42
	Berlin	29.91	61	S	2	b	29.76	−.13	61	58	+3	S	4	b	#	b	#	68	52	—
	Wiesbaden ...	*	*	*	*	*	29.86	−.20	60	58	+3	SW	1	c	#	*	#	70	52	—
	Munich... ..	30.07	61	SE	3	b	30.02	−.13	64	60	+3	W	1	b	#	b	#	68	55	—
	The Helder ...	29.72	60	S	1	r	29.46	−.34	62	61	+1	SW	8	r	4	r	#	64	59	0.08
BELGIUM.	Brussels ...	*	*	*	*	*	29.70	−.25	59	55	+2	SW	6	c	#	o	#	67	56	—
	Cape Gris Nez...	29.67	64	SSW	4	o	29.58	−.28	60	58	0	W	7	o	7	o	#	66	51	0.24
	Paris	29.80	68	S	2	b	29.84	−.16	61	59	+4	NNW	3	bc	#	b	#	71	57	—
	Brest	29.62	61	SW	7	c	29.74	−.08	59	59	−1	WSW	4	c	5	c	#	63	54	0.16
	Lorient... ...	29.73	61	WSW	6	o	29.76	−.15	61	60	−1	W	6	c	6	o	#	68	46	0.08
FRANCE &	Rochefort ...	29.85	68	WSW	6	b	29.90	−.17	65	64	+1	W	5	bc	#	b	#	79	63	—
	Belfort	29.91	68	SSW	3	b	29.88	−.21	64	60	+6	WSW	3	m	#	b	#	72	57	—
	Lyons	29.91	75	SW	2	b	29.93	−.20	72	64	+9	SSE	1	c	#	b	#	79	63	—
	Nice	30.04	69	S	4	b	30.05	−.01	69	66	0	7	0	c	0	b	#	81	64	—
	Perpignan ...	29.92	74	N	2	b	29.95	−.14	71	66	+4	NW	2	bc	#	b	#	81	66	—
	Biarritz ...	29.87	82	ENE	3	b	29.99	+.02	66	61	+2	NW	3	o	3	b,7	#	84	61	—
PENINSULA.	Corunna ...																#			
	Lisbon	30.10	68	WNW	3	b	30.12	.00	66	58	−1	N	4	c	#	b	#	77	63	—
	Azores (P. Delgada)																#			

For Explanation of Columns, see bottom of last page.

† The Bar: reading at Scilly y'day morn.g should have been 29.61 not 29.71.

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 Thursday, 2nd September, 1897.

BAROMETER, WIND AND SEA.

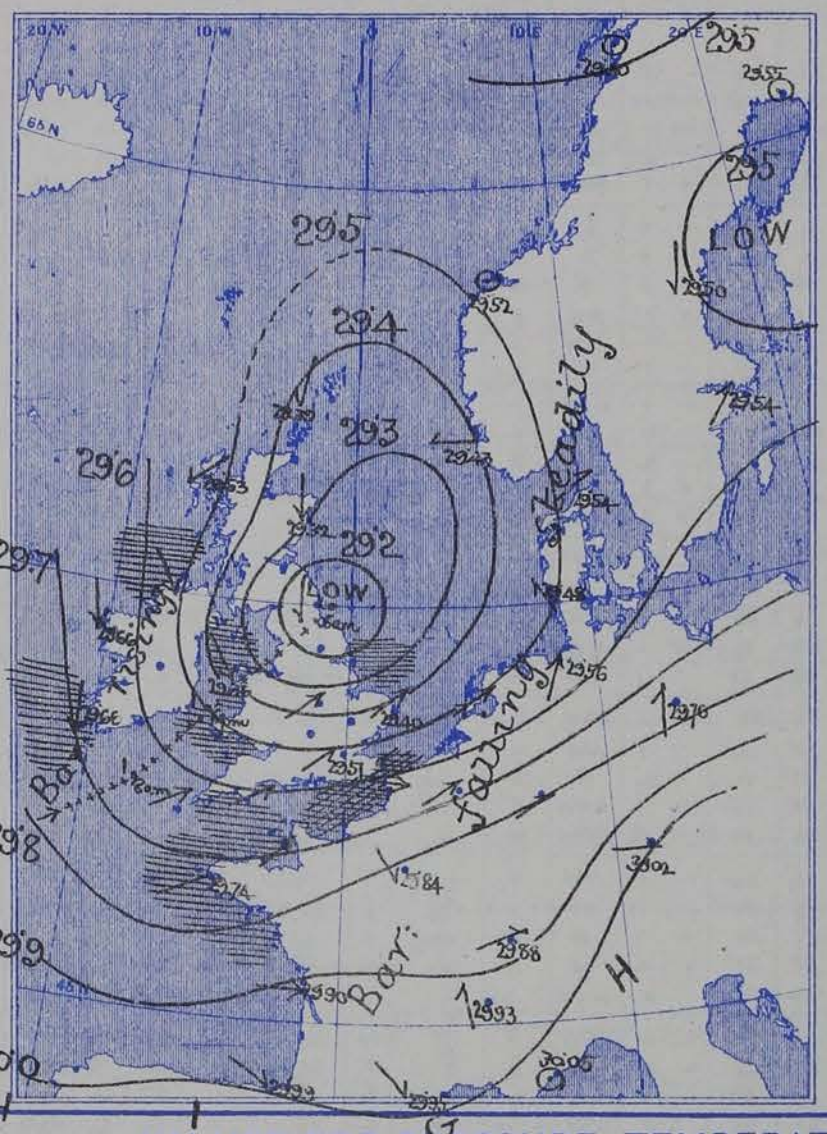
BAROMETER—Isobars are drawn for each tenth of an inch.

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 SEPTEMBER.

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* 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 the southern countries of Europe.
Lowest Below 29.2 ins. in a depression lying over Yorkshire and the adjacent parts of the North Sea.
Gradients steep for SW. winds over our southeastern districts, moderate for N. winds in the north and west of our Islands.
Barometer rising in the western and southern districts, falling over the North Sea.

TEMPERATURE

Highest 72° to 65° over the S. parts of France and slightly exceeding 60° over Germany and the southeast of England.
Lowest 48° at Stornoway, and 54° to 55° at many of our N. and NW. stations.
The maxima recorded yesterday were below 65° almost all over Gt. Britain and Ireland, but touched 68° at Berlin, 71° at Paris, and 81° at Nice and Perpignan.

WIND

Completely cyclonic over our area – N., moderate in Scotland, NW. strong on our western coasts, SW. strong to gale in the Channel, the E. of England, and the Netherlands, SE. and E. in Denmark and the W. of Norway.
The gales have been very strong in the Channel during the night.

WEATHER

Very unsettled, squally and showery over the Kingdom generally, but with a tendency to improve in the west.
Heavy rains have fallen in Ireland, and smaller quantities elsewhere, none in the extreme N. of Scotland, and very little over Germany. Thunder and lightning have occurred in a few localities. Bright sunshine yesterday was almost nil, except in the N. parts of Gt. Britain, where there were a few hours.

SEA

High in the Straits of Dover, rough generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression is now moving in a NNE. direction, and a gradual improvement in the weather is probable.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	N. breezes, light to fresh, slight showers, cold tonight.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	SW. winds, very strong, squally, showery, then NW., colder and finer.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	NW. or N. winds, strong to moderate, fair, colder.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
WARNINGS		At 10.20 am yesterday to districts 5, 8, 10 and part of 7, and at 1.25 pm to district 3 "Hoist South Cone" At 11.45 am to-day to District 5, 8 and 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 ...	29.55	63	61	WSW	6	bc	3
Sumburgh Head	29.52	55	54	SW	1	o	3
Stornoway	29.49	60	58	ENE	3	o	3
Aberdeen	29.51	59	55	SE	3	c	2
Shields	29.55	63	56	SSW	2	o	2
Ardrossan	29.46	59	57	S	2	bc	2
Malin Head ...	29.44	59	56	S	4	c	2
Belmullet	29.40	62	58	WSW	1	bc	*
Holyhead	29.46	56	55	SE	4	rgw	3
Valencia	29.37	55	54	NW	1	o	3
Scilly	29.26	62	60	SSW	7/6	c	6/5
Jersey	29.70	67	61	S		ocp	
Hurst Castle ...	29.69	61	60	SSW	4	r	3
Dungeness ...	29.71	64	61	SSW	5	o	4
North Foreland	29.73	63	60	S	5	o	4
London (Westminster)	29.70	60	58	SSW	3	or	*
Yarmouth ...	29.74	62	57	SW	3	c	3
Rochefort ...	29.98	77	74	S	4	b	*

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

Weather in morning fine and bright over E^rn., SE^rn. and S^rn. Europe, as well as over the greater part of France and N. Germany; becoming very unsettled and rainy over Ireland and England, but fair in the N. of Scotland. Heavy rains falling later over our W^rn. districts, and considerable quantities over England also; showers reported at several of the Continental stations. Thunder and lightning in some parts of the British Islands.

Temperature below 80° at all European stations, and exceeding 70° on many of the shores of the Mediterranean; 64° at Rochefort, and at Cracow, and 61° to 60° at some of our S. coast stations, 62° to 60° on the E^rn. shores of the Baltic. Lowest 51° at Archangel, and at Aberdeen, 52° at Nairn, 53° at Sumburgh H^d, and 55° to 57° over most of the W^rn. and N^rn. parts of our Islands. Rising later to 57° at Sumburgh H^d, 59° at several of the Irish stations, to between 60° and 65° over Gt. Britain, 68° at Berlin, 71° at Paris, and 81° at Nice.

Wind mainly S^rly over Ireland and England, and blowing very freshly at the Channel stations. Increasing to a gale from S. and SW. over the Channel and S^rn. half of England, but veering to NW. in Ireland.

Barometer highest 30.1 ins. and more to 29.9 ins. over all the S^rn. half of Europe. Lowest below 29.4 ins. in a new depression over the S. of Norway, and also in a complex and low pressure system to the W^rd. and SW^rd. of our Islands. New, well defined, and deep depression reaching the mouth of St. George's Channel later and travelling towards the N. of England.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Friday 3rd September, 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 ...	29.53	48	L	0	c	29.53	−.02	49	47	− 2	L	0	bc	*	c	*	64	43	—
	Hernösand ...	29.52	55	L	0	0	29.50	.00	51	56	0	W	2	f	*	0	*	64	50	0.47
	Stockholm ...	29.56	59	L	0	b	29.58	+.04	62	58	+ 4	SSW	4	c	*	b	*	64	54	—
	Wisby	29.64	62	SSW	4	b	29.67	−.01	63	57	+ 3	SW	8	b	*	b	*	64	57	—
	Karlstad ...	29.48	59	SSW	4	0	29.42	−.10	58	56	− 1	SSE	4	r	*	0	*	*	*	0.16
	Bodö	29.63	54	L	0	r	29.63	+.03	52	50	− 5	NE	4	c	1	r	*	57	52	0.16
	Christiansund ...	29.40	57	NE	6	c	29.38	−.14	59	55	+ 2	NE	3	bc	2	c	*	63	55	—
	Skudesnaes ...	29.24	58	SW	2	0	29.36	−.07	60	59	+ 2	WNW	6	0	5	0	*	61	55	*
	Færder (Christiania Fjord)	29.38	60	SSE	4	0	29.33	−.16	62	60	+ 1	SW	6	r	4	0	*	62	57	0.51
	Skagen (The Scaw)	29.41	60	SW	6	bc	29.41	−.13	60	58	+ 1	SW	5	bc	2	bc	*	64	57	0.16
	Fanö	29.45	61	SSW	8	b	29.61	+.13	61	57	+ 3	WSW	6	c	*	b	*	66	57	0.04
	Sumburgh Head	29.41	50	N	5	0	29.51	+.12	48	45	− 6	N	4	0	6	c.0	*	58	44	0.07
	Stornoway ...	29.68	47	N	5	r	29.75	+.22	43	42	− 5	NW	3	0	3	c.r	1.5	54	38	0.48
	Wick	29.51	49	NE	5	0	29.66	+.23	49	48	− 4	N	3	bc	2	0	*	58	39	0.02
	Nairn	29.56	50	NNW	3	r	29.73	+.33	47	44	− 8	WNW	2	bc	2	r	*	58	41	0.02
	Aberdeen ...	29.45	53	NW	5	cpq	29.69	+.37	48	43	− 6	NW	4	bcq	3	r. cpq	0.5	58	44	0.16
British Islands.	Leith	29.51	56	N	1	0	29.75	+.46	47	45	− 8	WNW	3	cm	*	0	*	60	44	0.24
	Shields	29.47	55	WNW	3	r	29.74	+.56	47	46	− 7	WNW	3	or	3	or	*	58	46	0.34
	Spurn Head ...	29.49	56	WSW	5	r	29.70	+.50	54	53	− 2	W	4	c	4	opp	*	61	52	0.04
	York	29.50	56	WNW	1	r	29.72	+.52	50	49	− 8	WNW	2	0	*	r	0.0	59	50	0.44
	Loughborough ...	29.59	57	W	4	c	29.78	+.45	50	48	− 6	WSW	3	cw	*	cpq. c	*	63	44	0.04
	Ardrossan ...	29.56	55	NW	4	bc	29.80	+.46	51	46	− 4	NW	5	b	3	o.bc	*	58	44	0.08
	Malin Head ...	29.70	51	NW	8	cp	29.87	+.40	45	44	− 10	NW	8	p b	6	cp	*	55	43	0.17
	Belmullet ...	29.95	51	N	5	b	30.05	+.29	47	44	− 8	N	2	b	*	bcq. b	*	56	44	0.08
	Donaghadee ...	29.68	52	NW	7	b	29.87	+.49	49	46	− 6	NW	7	b	5	b	*	58	42	0.03
	Liverpool (Bidston)	29.59	56	WNW	5	r	29.79	+.56	49	46	− 5	WNW	5	r	4	r	*	56	49	0.58
	Holyhead ...	29.67	55	NNW	8	cpq	29.87	+.51	52	48	− 2	NW	6	bc	5	cpq	*	58	48	0.16
	Parsonstown ...	29.82	54	NW	1	b	30.03	+.47	48	44	− 7	NW	1	b	*	p. b	6.0	61	40	0.02
	Valencia ...	29.91	55	N	5	cq	30.11	+.45	52	46	− 5	N	4	bcq	4	cq	5.5	61	47	0.05
	Roche's Point ..	29.82	55	NNW	5	c	30.07	+.47	50	46	− 8	NNW	4	b	3	c	*	62	44	—
	Pembroke (St. Ann's Hd.)	29.73	56	NE	4	0	29.94	+.43	51	48	− 6	N	5	b	4	b.0	6.0	60	51	0.06
	Scilly	29.77	60	WNW	3	c	29.97	+.36	55	52	− 4	N	5	bc	3	p. c	6.4	62	51	—
	Prawle Point ...	29.71	58	WSW	4	bc	29.92	+.32	55	51	− 2	N	3	bc	2	bc. p	*	60	50	0.01
	Jersey (St. Aubin's)	29.78	62	W	5	bc	29.86	+.15	59	55	− 3	N	4	cmp	4	b. pq	*	65	55	0.48
	Hurst Castle ...	29.68	62	WSW	4	cm	29.86	+.28	53	51	− 8	NW	3	cm	2	cm. cp	*	64	51	0.05
	Dungeness ...	29.63	62	SW	7	c	29.80	+.25	54	51	− 6	N	3	0	2	cq	*	65	51	0.10
	North Foreland	29.65	61	SW	6	bc	29.79	+.24	54	51	− 7	W	3	bc	2	bc	*	65	51	—
	London (Brixton) ...	29.61	61	WSW	3	bc	29.82	+.31	52	48	− 8	NW	2	b	*	bc, apt, b	8.8	68	46	0.06
	Oxford	29.69	58	WNW	2	0	29.83	+.36	51	48	− 6	NW	2	c	*	oq	*	66	45	—
	Cambridge ...	29.60	61	W	2	b	29.79	+.36	52	48	− 7	W	1	bc	*	b	8.7	68	45	0.02
	Yarmouth ...	29.62	61	WSW	6	cq	29.73	+.33	54	51	− 7	W	3	b	2	cq	*	67	51	0.02
Germany & Holland.	Cuxhaven ...	29.62	63	SSW	5	c	29.71	+.16	59	58	− 2	SW	4	b	*	c	*	63	55	—
	Berlin	29.78	67	W	2	c	29.86	+.10	62	58	+ 1	WSW	3	0	*	c	*	70	55	—
	Wiesbaden ...	*	*	*	*	*	29.87	+.01	60	58	0	SW	1	c	*	*	*	68	54	0.04
	Munich... ..	30.04	61	L	0	r	29.98	−.04	62	60	− 2	L	0	bc	*	r	*	81	57	1.06
	The Helder ..	29.55	62	SW	7	c	29.72	+.26	58	56	− 4	SSW	1	c	1	c	*	64	58	0.08
Belgium.	Brussels ...	*	*	*	*	*	29.80	+.10	59	56	0	WSW	2	c	*	b	*	69	52	—
	Cape Gris Nez...	29.67	62	W	6	bc	29.76	+.18	56	55	− 4	N	3	0	3	bc	*	64	55	0.16
	Paris	29.82	66	SW	3	b	29.86	+.02	52	52	− 9	S	2	b	*	b	*	72	50	—
	Brest	29.81	61	WSW	3	c	29.87	+.13	55	54	− 4	N	3	c	3	c	*	63	52	0.20
	Lorient... ...	29.85	62	W	4	c	29.86	+.10	57	55	− 4	NE	2	bc	3	c	*	68	45	0.12
France &	Rochefort ...	29.90	67	W	4	c	29.86	−.04	60	58	− 5	E	2	0	*	c	*	72	57	0.08
	Belfort	29.93	58	NNW	2	r	29.91	+.03	57	55	− 7	L	0	r	*	r	*	68	54	0.98
	Lyons	29.97	58	NW	1	b	29.87	−.06	57	57	− 15	NW	1	0	*	br	*	79	56	?
	Nice	29.95	71	SW	3	bc	29.88	−.17	72	62	+ 3	E	1	b	3	bc	*	79	63	—
	Perpignan ...	29.90	71	NE	1	0	29.82	−.13	69	65	− 3	L	0	0	*	0	*	82	64	—
	Biarritz ...	29.95	65	NW	2	0	29.89	−.10	63	58	− 3	W	5	r	4	0	*	77	59	0.59
Peninsula.	Corunna ...																*			
	Lisbon	30.12	64	NNW	4	b	30.18	+.06	65	56	− 1	NNW	4	c	*	b	*	73	61	—
	Azores (P. Delgada)	30.44	67	NE	4	c	30.45	+.07	66	59	0	NE	3	b	0	c	*	72	61	—

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

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

Bright Sunshine yesterday Southport 0·0 hrs;

WEATHER CHARTS

FOR FRIDAY, 3RD SEPTEMBER 1897.

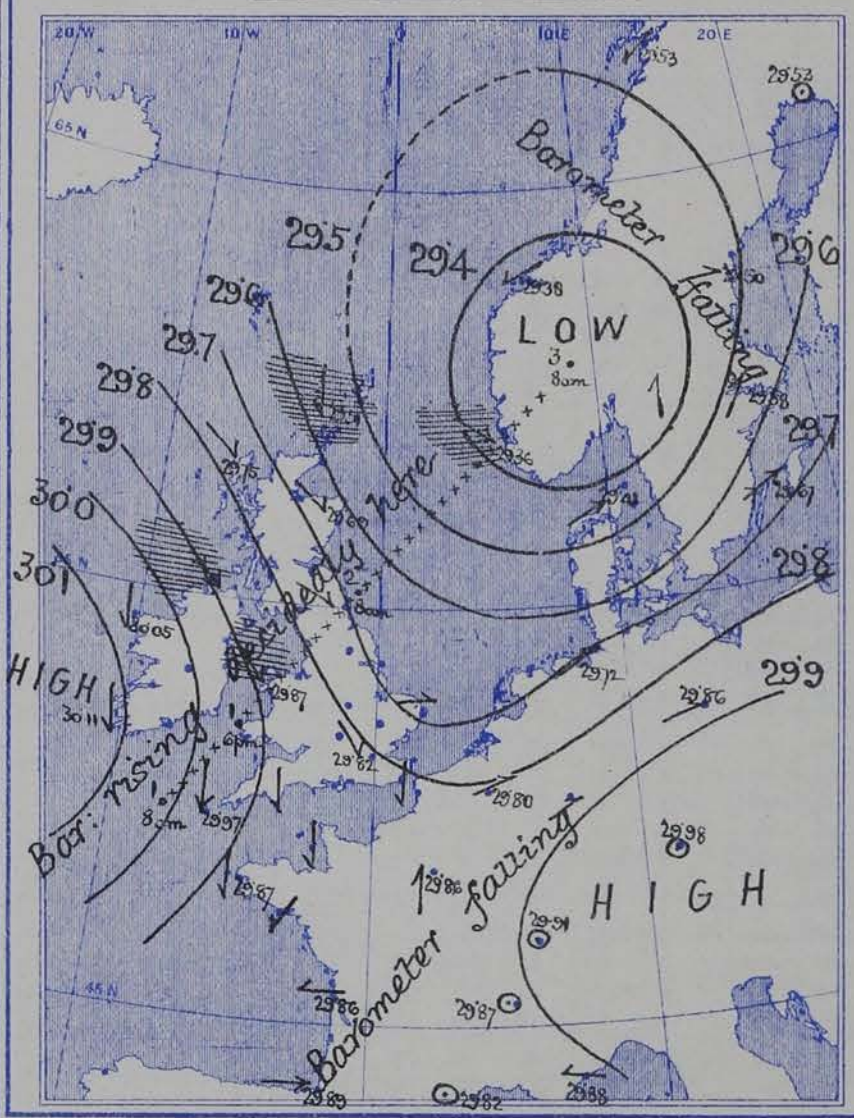
BAROMETER, WIND AND SEA.

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

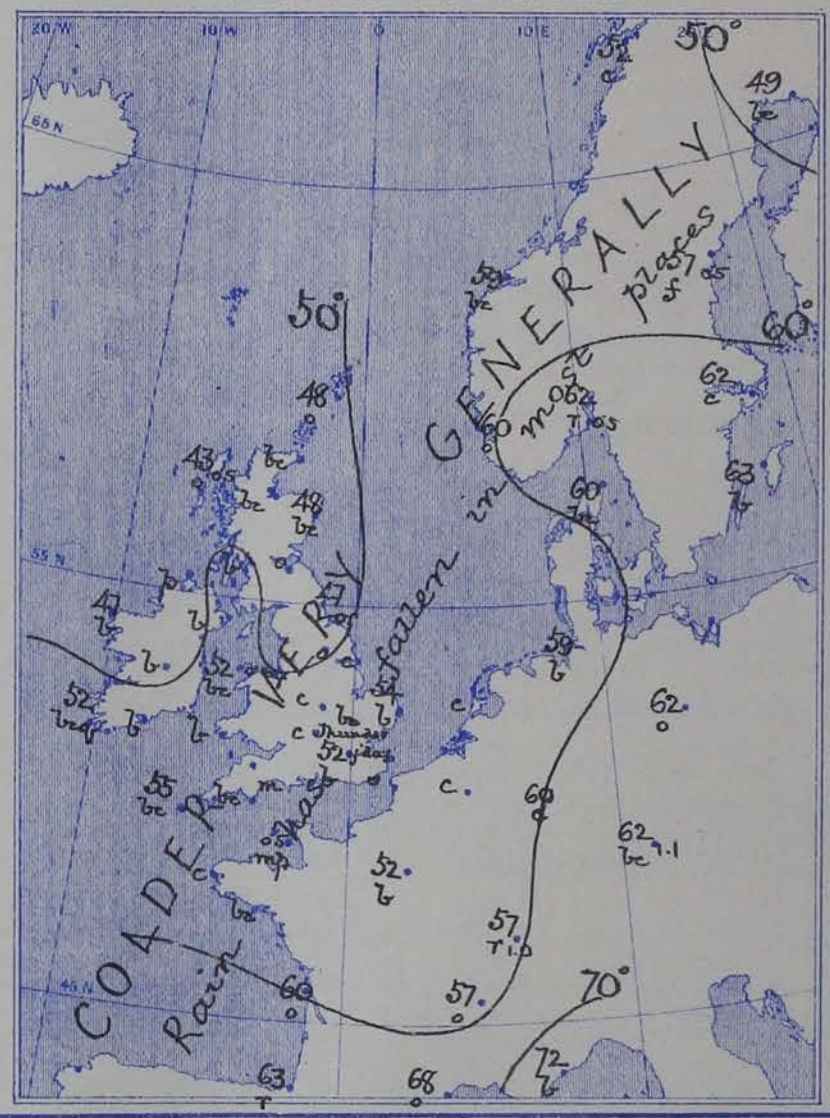


TEMPERATURE & WEATHER.

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 SEPTEMBER.

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1893	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* 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 to 29·9 ins. over Ireland and the S.W. of England; (2) 29·9 ins. and more over S. Germany and the S.E. of France.
Lowest Below 29·4 ins. in a depression lying over the S^rn. half of Norway.
Gradients over our Islands have become moderate and are favourable for NW^ly winds.
Barometer rising on all our coasts, falling over S^rn. Europe.

TEMPERATURE

Highest (1) 72° at Nice, 63° at Biarritz, 62° at Berlin, 60° at Rockport.
Lowest 43° at Stornoway, 45° at Malin Hd., 47° at Ardrossan, 49° at Liverpool, 50° at Loughborough.
It rose to between 63° and 68° over the inland and southern counties of England yesterday, but did not touch 60° at our N^rn. and NW^rn. stations.

WIND

Has shifted to the NW^nd on almost all our coasts, to N. in the southwest of England, and to NE. over the Bay of Biscay. In force it was still very strong in the N. of Ireland and fresh in N. Wales, but had become moderate to light elsewhere.

WEATHER

Very fine in Ireland, fair and improving over Gt. Britain, and the N. of France.
Rain fell very generally over our Islands yesterday, and in several localities the fall was considerable. In some of the S^rn. parts of France and Germany there were very heavy rains yesterday – especially at Lyons and Munich.

SEA

Rough on our extreme N. and NW. coasts, moderate to slight elsewhere, and going down generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A fine day is probable over Ireland and England today, followed by a cold night. The general appearance is much more quiet and settled than it has been for a long while past.

FORECASTS

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

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	NW^ly and N^ly winds, fresh or moderate, some showers, cold at night.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	NW^ly breezes, moderate to light; fair, clear and cold tonight.
6 SCOTLAND WEST 7 ENGLAND N.W.	NW^ly breezes, strong and showery, then moderate, fair and very cool.
8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	NW^ly or N^ly winds, moderate to light, showery to fair, cold tonight.
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 ...	29.29	57	?	NNE	2	r	3
Sumburgh Head	29.36	56	54	NE	4	c	4
Stornoway	29.57	54	50	NE	6	c	6
Aberdeen	29.39	57	53	NNW	6	c	5
Shields	29.36	57	55	N	3	o2p	3
Ardrossan	29.49	57	54	NW	3	o	2
Malin Head ...	29.64	53	49	NW	8	c	6
Belmullet	29.82	55	49	N	5	bcq	*
Holyhead	29.55	57	55	NW	7	cq	6

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.81	59	55	NNW	6	cq	6
Scilly	29.70	61	58	WNW	4	cp	3
Jersey	29.76	65	58	WSW	6	b	6
Hurst Castle ...	29.64	62	60	SW	6	cp	4
Dungeness ...	29.63	63	59	SW	7	cq	6
North Foreland	29.61	65	60	SW	7	bc	5
London (Westminster)	29.67	66	60	WSW	5	cp	*
Yarmouth ...	29.46	67	58	WSW	6	bcq	4
Rochefort ...	29.99	70	68	W	6	c	*

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

Weather in morning fine and bright over the greater part of Continental Europe, but rather unsettled over Norway, very rough and unsettled over the British Isles, the Netherlands, and the N. of France. Considerable rain falling later over the British Islands and their neighbourhood, and very large quantities at Lyons and Munich. Thunderstorms reported in some parts of England.

Temperature in morning highest 81° at Algiers, and above 70° at most of the stations on the shores of the Mediterranean, the Adriatic and the Black Sea; between 60° and 65° over N. Germany, the Netherlands, and the SE. and S. of England. Lowest (13 48° at Stornoway, 53° at Wick, 54° at Sumburgh Hd., Aberdeen, Shields and Holyhead, 55° at Belmullet and Parsonstown. Not touching 60° over Scotland and the N. of Ireland during the day, but reaching 63° at Loughborough, 68° in London, 72° at Paris, 79° at Berlin and Nice and 82° at Perpignan.

Wind still light and mainly anticyclonic over the SW.m, S.m and E.m countries, cyclonic in the north and northwest, and blowing hard from NW. over the Irish Sea, and from SW. over the south and east of England and the Netherlands. A separate circulation prevailing over Finland and the Baltic, causing a gale at Libau. NW. winds becoming more general over our Islands later, and the SW. gale in the southeast dying down.

Barometer highest 30.1 ins. and more to 29.9 ins. over all the SW.m, S.m and SE.rn parts of Europe. Lowest below 29.2 ins. in a well marked depression off the Yorkshire coast, and below 29.5 ins. in a shallower system over Finland. The North Sea depression moving towards Norway later and the barometer rising throughout 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.

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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 4th September 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 ...	29.60	53	NE	4	c	29.64	+.11	54	53	+ 5	ESE	2	c	*	c	*	59	39	-
	Hernösand ...	29.56	59	NE	0	0	29.55	+.05	58	57	+ 1	S	2	c	*	0	*	614	54	0.28
	Stockholm ...	29.68	60	SW	4	b	29.75	+.17	58	56	- 4	SW	2	c	*	b	*	66	55	-
	Wisby	29.78	60	SW	6	b	29.80	+.13	60	59	- 3	SSW	4	c	*	b	*	66	57	-
	Karlstad ...	29.62	58	S	8	b	29.69	+.27	58	53	0	SW	6	b	*	b	*	*	*	0.20
	Bodö	29.61	50	NE	4	0	29.68	+.15	49	46	- 3	NE	4	c	1	0	*	52	48	-
	Christiansund ...	29.46	57	NE	3	0	29.57	+.19	54	53	- 5	NNW	2	r	4	0	*	63	54	0.87
	Skudesnaes ...	29.63	56	W	4	0	29.62	+.26	54	53	- 6	?	2	r	2	r.0	*	60	50	+
	Færder (Christiania Fjord)	29.52	61	SW	6	b	29.66	+.33	59	55	- 3	SW	4	c	3	b	*	64	57	-
	Skagen (The Scaw)	29.71	56	W	1	b	29.67	+.26	58	56	- 2	SW	1	bc	0	b	*	64	52	-
	Fano	29.71	58	SW	0	c	29.75	+.14	55	49	- 6	W	4	c	*	c.l	*	66	55	0.04
British Islands.	Sumburgh Head	29.56	50	WNW	3	c	29.39	-.12	51	51	+ 3	WNW	3	r	4	0.c	*	53	47	0.15
	Stornoway ...	29.63	44	S	4	r	29.77	+.02	50	49	+ 1	N	4	0	4	c.r	2.1	50	38	1.40
	Wick	29.63	50	SW	0	0	29.63	-.03	49	48	0	N	2	r	2	0	*	55	36	0.08
	Nairn	29.66	48	WSW	3	b	29.71	-.02	45	44	- 2	W	1	r	1	b	*	54	34	0.01
	Aberdeen ...	29.68	47	NNE	1	bc	29.69	.00	46	43	- 2	W	2	bcw	1	bc.c	4.2	56	36	0.06
	Leith	29.71	51	WNW	3	bc	29.75	DO	49	44	+ 2	W	3	b	*	bc	*	60	44	0.13
	Shields	29.76	51	WSW	3	c	29.66	-.08	44	42	- 3	W	4	d	3	r.c.b	*	53	44	0.17
	Spurn Head ...																*			
	York	29.80	52	NW	2	bc	29.71	-.01	48	46	- 2	WNW	3	bc	*	bc	5.7	57	40	0.35
	Loughborough ...	29.78	53	WNW	4	b	29.85	+.07	46	44	- 4	SW	4	or	*	bcqp.b.o	*	59	41	-
	Ardrossan ...	29.75	49	NW	4	qp	29.77	-.03	50	47	- 1	NW	4	c	3	c.op	*	53	41	0.21
	Malin Head ...	29.84	48	WNW	7	rhp	29.89	+.02	52	48	+ 7	WNW	8	b	6	r.hpr	*	52	41	0.30
	Belmullet ...	30.04	50	NNW	3	bqlp	30.09	+.04	51	46	+ 4	WNW	2	c	*	c.qp	*	54	46	0.10
	Donaghadee ...	29.88	47	WNW	6	bqlp	29.87	.00	45	45	- 4	NW	6	o	4	bqlp	*	54	42	0.61
	Liverpool (Bidston)	29.86	49	W	4	c	29.80	+.01	52	48	+ 3	W	8	c	6	r.hrpl	*	54	44	0.33
	Holyhead ...	29.90	49	NW	5	cqlp	29.89	+.02	50	47	- 2	WNW	8	oql	6	b.cqlp	*	55	45	0.03
	Parsonstown ...	29.99	49	N	1	c	30.07	+.04	49	46	+ 1	W	1	bc	*	b.c.p	9.4	56	41	-
	Valencia ...	30.11	54	WNW	4	clp	30.15	+.04	53	51	+ 1	WNW	3	cv	4	c	8.0	56	48	0.10
	Roche's Point ..	30.06	52	NW	5	bc	30.16	+.09	52	49	+ 2	NW	4	c	3	bc.l	*	57	46	0.01
	Pembroke (St. Ann's Hd.)	29.96	54	NW	5	c	30.05	+.11	53	48	+ 2	NW	5	cql	4	c	10.7	61	47	0.02
	Scilly	30.10	55	NW	5	bc	30.15	+.18	55	51	0	NNW	4	clp	3	b.bc	11.0	59	49	0.05
	Prawle Point ...	30.02	51	NNW	3	bc	30.11	+.19	52	47	- 3	NW	5	bl	4	c.pl	*	62	43	0.15
	Jersey (St. Aubin's)	29.99	57	NW	3	bc	30.14	+.18	56	50	- 3	NW	4	bc	3	p.bc.p	*	60	50	0.14
	Hurst Castle ...	29.93	57	W	4	b	30.04	+.18	53	50	0	W	4	b	2	c.b.l	*	61	48	-
	Dungeness ...	29.84	58	NNW	3	c	29.98	+.18	53	48	- 1	WNW	3	c	3	c.bl	*	62	42	-
	North Foreland	29.85	57	W	3	c	29.96	+.17	49	46	- 5	SW	3	b	2	c	*	61	43	-
	London (Brixton) ...	29.87	55	NW	2	b	29.97	+.15	49	45	- 3	W	2	bc	*	bc.bcw	9.8	61	41	-
	Oxford	29.94	47	NW	2	b	29.96	+.13	48	45	- 3	WSW	4	c	*	bc.b	*	59	40	-
	Cambridge ...	29.87	54	WNW	2	bl	29.91	+.12	48	45	- 4	SW	4	o	*	b.l	11.8	62	39	-
	Yarmouth ...	29.80	56	NW	3	bc	29.84	+.11	50	45	- 4	WSW	4	b	3	bc	*	63	41	-
Germany & Holland.	Cuxhaven ...	29.74	61	WNW	1	r	29.79	+.07	51	51	- 8	SW	1	r	*	r	*	64	50	0.71
	Berlin	29.82	63	W	2	0	29.77	-.09	62	60	0	SW	2	o	*	o	*	72	61	0.04
	Wiesbaden ...	*	*	*	*	*	29.95	+.08	54	51	- 6	W	1	o	*	*	*	66	52	0.20
	Munich	29.96	60	W	3	o	30.03	+.05	57	57	- 5	W	3	r	*	o	*	70	57	0.79
	The Helder ...	29.76	59	W	4	0	29.84	+.12	55	48	- 3	WSW	4	bc	2	o	.*	63	55	0.16
Belgium.	Brussels ...	*	*	*	*	*	30.00	+.20	60	47	+ 1	SW	2	b	*	0	*	68	45	0.43
	Cape Gris Nez ...	29.83	56	NNW	2	o	29.93	+.17	51	47	- 5	W	4	r	3	o	*	59	48	0.04
	Paris	29.86	58	NW	2	r	30.12	+.26	51	48	- 1	WSW	2	b	*	r	*	68	47	0.47
	Brest	30.08	55	N	4	bc	30.18	+.31	54	50	- 1	NNW	2	bc	2	bc	*	63	46	0.08
	Lorient	30.10	59	NNW	5	bc	30.22	+.36	55	53	- 2	NW	4	bc	4	bc	*	63	44	-
France &	Rochefort ...	29.93	66	NW	4	bc	30.22	+.36	55	54	- 5	NE	3	bc	*	bc	*	72	52	0.04
	Belfort	29.82	61	W	1	o	30.05	+.14	51	50	- 6	W	6	o	*	o	*	65	51	0.24
	Lyons	29.91	57	W	1	r	30.18	+.31	55	52	- 2	NW	3	o	*	r	*	60	53	0.47
	Nice	29.91	69	E	1	f	29.91	+.03	73	63	+ 1	SE	0	bc	2	f	*	82	64	-
	Perpignan ...	29.94	65	W	3	o	30.19	+.37	62	53	- 6	NW	4	b	*	o	*	74	54	0.12
	Biarritz ...	30.01	65	W	4	c	30.29	+.40	53	51	- 10	NNW	4	c	4	c	*	66	50	0.98
Peninsula.	Corunna ...																*			
	Lisbon	30.28	64	N	5	b	30.34	+.16	62	53	- 3	N	5	b	*	b	*	70	57	
	Azores (P. Delgada)	30.48	63	NNE	3	b	30.45	.00	66	60	0	NNE	3	bc		b	*	72	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 8.9 hrs;

WEATHER CHARTS

FOR Saturday, 4th September 1897.

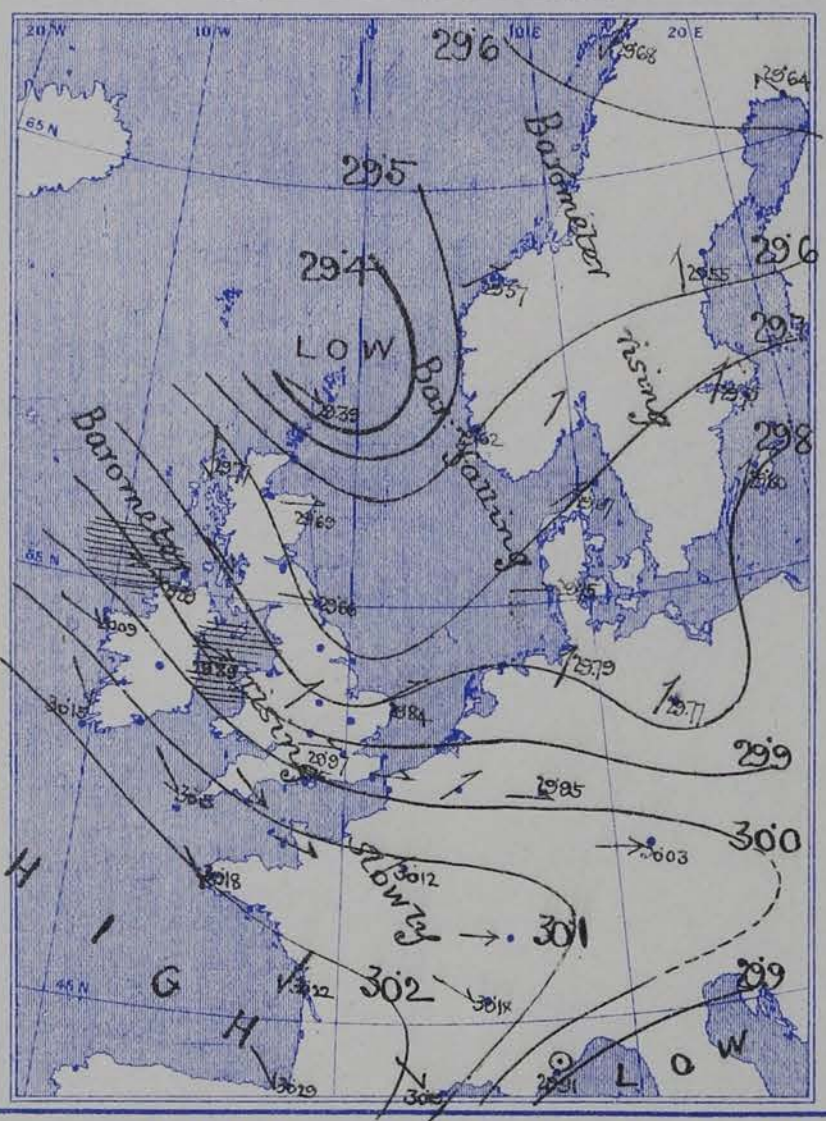
BAROMETER, WIND AND SEA.

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*

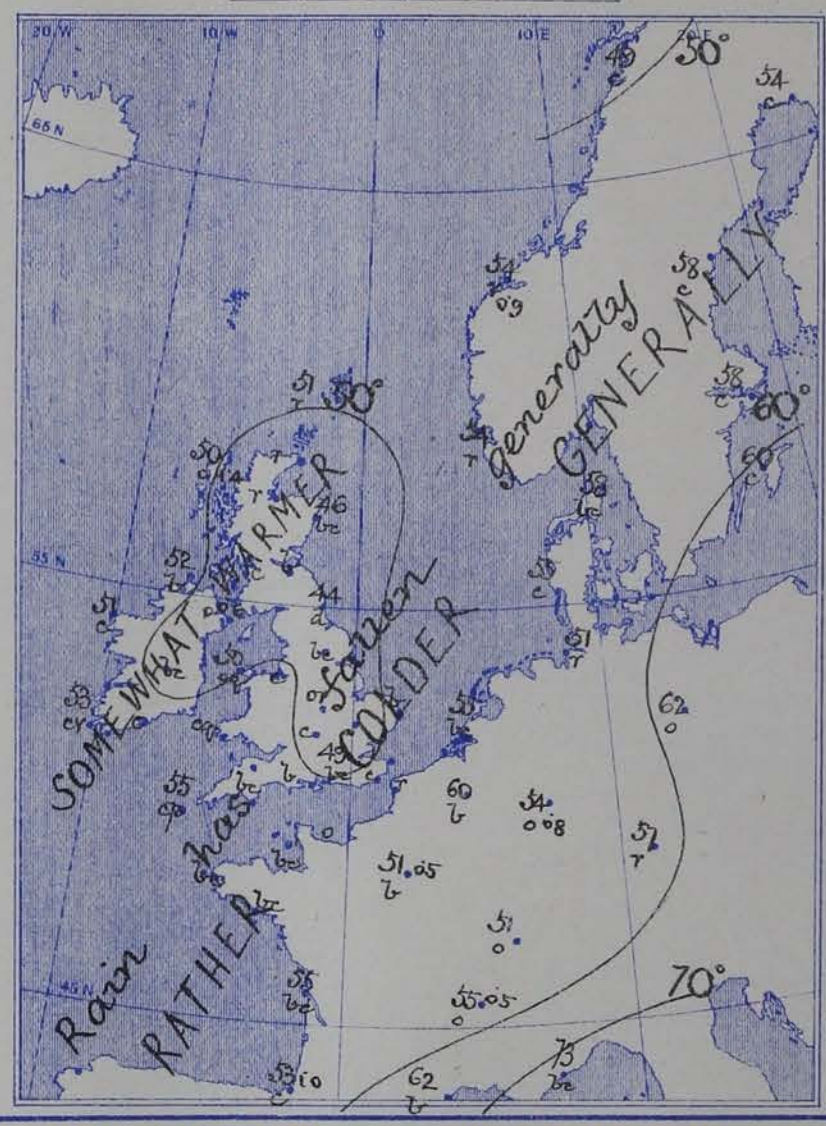


TEMPERATURE & WEATHER.

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 SEPTEMBER.*

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	25	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and more over Spain, the west of France, and the Bay of Biscay.
Lowest, 29·4 in: and less, over the Shetland Islands, below 29·7 in: over the north east of England, and below 29·8 in: over North Germany.
Gradients somewhat steep, for N^l winds over our northwestern districts and off the north of Scotland, moderate to slight, and in gales elsewhere.
Barometer rising in the northwest of our Islands, as well as over France, falling over the North Sea.

TEMPERATURE

Highest, 73° at Nice, 62° at Perpignan as well as at Berlin, 60° at Vienna.
Lowest, 44° at Shields, 45° at Donaghadee, 46° at Loughborough, 48° at Oxford and Cambridge, 51° at Paris.
It has fallen very decidedly and generally over our Islands and has been as low as 39° to 41° in the shade over the inland parts both of England and Ireland during the night, and to between 34° and 36° over Scotland. In London the thermometer on the grass went down to 33°.

WIND

W^l to NW^l over the United Kingdom generally — moderate at the southern and eastern stations, strong to a gale on our northwestern coasts. On the eastern shores of the North Sea it is moderate from W. and SW.

WEATHER

Fair over France and the southeast of England, cloudy, squally and showery elsewhere. Heavy rain has fallen over the Hebrides and the north of Ireland, none at our southern and southeastern stations, but large quantities at Biarritz and in several parts of England. Bright Sunshine recorded yesterday was slight in the north, but very considerable (9 to nearly 12 hours) in the west, south, and east.

SEA

Very rough on our northwestern coasts, moderate in the southwest and south.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the secondary disturbance in the northeast moves away the NW^l wind is likely to become moderate, and the weather to clear up in the north. Another cold night is probable, especially at our inland stations.

FORECASTS

For the 24 hours ending at NOON on 5^th SEPT: 1897.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW^l breezes, fresh to moderate; slight showers, clear and cold tonight.	6 SCOTLAND WEST	NW^l and N^l winds, moderating; showers today, clear and cold tonight.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	NW^l breezes, decreasing in force; some showers today, clear and cold tonight
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 ...	29.52	58	58	W	6	r	5
Sumburgh Head	29.55	51	48	NW	8	v	5
Stornoway	29.69	48	46	NNW	3	c	3
Aberdeen	29.69	53	45	NNW	2	c	2
Shields	29.77	49	46	NW	3	c	3
Ardrossan	29.78	51	47	NW	4	cp	3
Malin Head ...	29.86	46	45	NW	6	r	6
Belmullet	30.03	52	46	NNW	2	c	*
Holyhead	29.90	54	49	NW	6	b	5

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valentia	30.11	56	50	NNW	5	bcvp	5
Scilly ...	30.05	56	50	NNW	5	b	3
Jersey	29.95	60	52	NW	3	bc	3
Hurst Castle ...	29.87	61	54	NNW	4	c	2
Dungeness ..	29.82	61	52	NNW	3	c	3
North Foreland	29.83	60	53	N	3	c	2
London (Westminster)	29.83	61	52	NNW	3	bc	*
Yarmouth ...	29.74	62	53	NNW	3	bc	3
Rochefort ...	29.96	66	65	NW	4	bc	*

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

Weather in morning fine and bright over southeastern and central Europe, as well as over the greater part of the Mediterranean the north of France, and many parts of the British Islands, North Germany, and the Baltic, cloudy and very unsettled in the southwest and south of France, with much rain in several places. Heavy rain falling later over the Hebrides and north of Ireland, and large quantities in several parts of Germany and France, but none in the south and east of England, thunder and lightning reported at several of the British stations and at Nice.

Temperature falling over the British Islands and Western Europe generally. Morning readings highest 81° at Ufa and La Calle, 79° at Nemours and exceeding 70° at many of the Mediterranean stations and at Nicolaieff; 60° to 66° over Austria and Germany, 63° at Wick, 62° at Helsingfors and Sweden. Lowest (1) 43° at Stornoway, 45° at Malin Hd, 47° at Leith and Shields, 49° at Liverpool; (2) 49° at Haparanda, 52° at Bodö and Ulealeaf; (3) 52° at Paris. Failing to reach 60° later at our northern and northwestern stations as a whole, but touching 69° at Paris, 72° at Berlin and 82° at Nice. Succeeding night very cold over the British Islands.

Wind remaining very light and anticyclonic over eastern, central, and southeastern Europe, but cyclonic, and stronger in the west and north — very strong from NW. at our own northwestern stations, moderate from between N. and W. over the United Kingdom as a whole, but SW. over the Netherlands, Germany and the Baltic, E. at Ulealeaf and NE. in the northwest of Norway. Backing to S. quietly at Stornoway later.

Barometer highest (1) 30·2 in. and more to 30·0 in. over the south of Russia and southeastern Europe generally; (2) 30·45 in. in the Azores, and 30·1 in. to 30·0 in. over the southwestern parts both of the Spanish Peninsula and Ireland. Lowest (1) below 29·4 in. in two depressions — one over the White Sea, the other over the southern half of Norway; (2) below 29·9 in. over France and the eastern part of the Mediterranean, and still lower in a shallow depression approaching the southwest of France from the westward. Falling briskly at Stornoway later, rising over the Continent generally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 5th September. 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 ...	29.60	52	2	0	c	29.46	—·18	52	51	— 2	E	4	r	*	c	*	61	43	0.08
	Hernösand ...	29.53	64	2	0	b	29.19	—·36	55	54	— 3	NE	6	r	*	b	*	64	52	0.47
	Stockholm ...	29.60	59	SSE	2	r	29.49	—·26	53	50	— 5	SW	6	b	*	o	*	64	52	0.28
	Wisby	29.64	60	W	4	o	29.63	—·17	54	49	— 6	SW	8	c	*	o	*	64	48	—
	Karlstad ...	29.60	50	SW	4	r	29.40	—·29	53	48	— 5	SW	8	c	*	r	*	*	*	0.28
	Bodö	29.67	50	NE	4	o	29.52	—·16	47	45	— 2	NNE	5	r	2	o	*	52	45	0.12
	Christiansund ...	29.67	51	NNE	4	r	29.58	+·01	49	45	— 5	NE	5	r	4	r	*	54	48	0.47
	Skudesnaes ...	29.62	54	W	6	o	29.52	—·10	54	52	o	2	o	c	2	o	*	59	48	*
	Færder (Christiania Fjord)	29.59	58	WSW	5	o	29.41	—·25	54	49	— 5	W	6	o	4	o	*	61	54	—
	Skagen (The Scaw)	29.68	55	SW	2	b	29.54	—·13	53	50	— 5	WSW	3	bc	o	b	*	64	52	0.08
	Fanö	29.73	52	SW	4	r	29.62	—·13	53	50	— 2	W	4	b	*	r,b	*	61	50	0.12
British Isles	Sumburgh Head	29.65	53	N	1	bc	29.63	+·24	52	49	+ 1	NE	2	c	4	c,bc	*	56	45	0.04
	Stornoway ...	29.86	51	NNW	4	c	29.54	—·23	47	46	— 3	SSE	4	r	5	c	7.7	52	39	0.12
	Wick	29.72	50	NW	7	r	29.62	—·01	48	47	— 1	WNW	2	o	2	r	*	55	42	0.26
	Nairn	29.82	52	WNW	3	c	29.63	—·08	46	44	+ 1	SE	1	o	1	c	*	56	36	0.12
	Aberdeen ...	29.68	50	WNW	8	opq	29.67	—·02	46	43	o	SSW	3	og	3	cop	2.2	55	41	0.07
	Leith	29.80	56	W	4	c	29.62	—·13	47	46	— 2	SW	1	r	*	c	*	62	45	0.17
	Shields	29.82	54	WNW	2	c	29.70	+·04	48	47	+ 4	SSE	3	r	3	p,c	*	57	42	0.61
	Spurn Head ...	29.83	53	W	5	r	29.81	+·11	50	?	+ 5	S	4	r	4	rh.o	*	57	45	0.17
	York	29.85	53	NW	1	o	29.76	+·05	48	47	o	SE	1	r	*	c o	5.6	59	45	0.39
	Loughborough ...	29.98	53	W	4	o	29.90	+·05	51	51	+ 5	SSW	3	r	*	cpq.or	*	58	46	0.18
	Ardrossan ...	29.85	53	NW	4	b	29.56	—·21	49	49	— 1	NE	2	r	2	b	*	59	46	0.32
	Malin Head ...	29.97	50	W	6	opq	29.51	—·32	55	55	+ 3	WSW	7	ogpm	6	opq	*	56	47	0.35
	Belmullet ...	30.04	51	WNW	4	o	29.76	—·33	57	55	+ 6	WNW	3	o	*	bc.o	*	58	?50	0.60
	Donaghadee ...	30.00	52	W	4	bcp	29.63	—·24	56	55	+ 11	WSW	3	o	1	bcp	*	58	42	0.49
	Liverpool (Bidston)	29.97	54	W	7	o	29.74	—·06	56	54	+ 4	SSW	3	r	?	o.r	*	56	46	0.68
	Holyhead ...	30.04	53	WNW	5	bc	29.75	—·14	57	56	+ 7	SW	6	rqu	5	bc	*	57	48	0.53
	Parsonstown ...	30.08	54	2	0	c	29.79	—·28	57	55	+ 8	W	1	o	*	c	9.8	60	48	0.51
	Valencia ...	30.14	55	SSW	2	rm	29.90	—·25	59	58	+ 6	SW	6	rm	5	c.r,rm	5.2	59	52	0.53
	Roche's Point ...	30.14	56	WNW	3	c	29.92	—·24	58	58	+ 6	W	4	r	4	c	*	59	50	0.15
	Pembroke (St. Ann's Hd.)	30.10	56	W	5	bc	29.87	—·18	58	57	+ 5	WNW	8	r	6	bc	10.5	58	52	0.30
	Scilly	30.20	56	SW	3	c	30.11	—·04	59	57	+ 4	SW	5	o	3	c	5.6	60	51	—
	Prawle Point ...	30.18	54	WNW	4	r	30.11	·00	56	55	+ 4	WSW	6	r	5	r	*	58	52	0.02
	Jersey (St. Aubin's)	30.23	56	W	5	bcp	30.20	+·06	59	57	+ 3	SW	5	ogm	4	bcp	*	60	54	0.03
	Hurst Castle ...	30.12	59	W	5	bc	30.07	+·03	59	58	+ 6	WSW	6	rm	3	c.bc	*	62	52	—
	Dungeness ...	30.08	57	W	6	c	30.04	+·06	58	53	+ 5	SW	6	op	5	c	*	60	51	0.01
	North Foreland	30.03	56	WSW	7	cq	30.06	+·10	55	52	+ 6	SW	5	rq	3	cq	*	59	46	—
	London (Brixton) ...	30.04	54	W	2	bc	30.02	+·05	54	53	+ 5	SSW	3	or	*	bc,o.bc	5.6	58	45	0.05
	Oxford	30.10	55	W	5	b	29.98	+·02	53	52	+ 5	SSW	3	or	*	bc.b,or	*	56	46	0.09
	Cambridge ...	29.99	53	SW	3	b	29.99	+·08	50	50	+ 2	SW	3	r	*	b	5.5	58	43	0.21
	Yarmouth ...	29.87	54	WNW	5	rq	29.91	+·13	50	49	o	WSW	4	og	3	r.rhq	*	55	44	0.22
Germany & Holland.	Cuxhaven ...	29.86	54	SW	5	bc	29.70	—·09	53	52	+ 2	WSW	8	r	*	bc,p	*	55	46	0.35
	Berlin	30.01	55	W	3	o	29.96	+·19	51	48	— 11	SW	5	o	*	o	*	66	46	0.04
	Wiesbaden ...	*	*	*	*	*	30.24	+·29	53	49	— 1	W	4	b	*	*	*	63	47	0.04
	Munich	30.34	48	W	6	o	30.39	+·36	50	45	— 7	SW	7	b	*	o	*	61	45	0.35
	The Helder ...	29.84	53	W	8	o	29.94	+·10	50	51	+ 1	WSW	7	c	4	o	*	57	52	0.16
Belgium.	Brussels ...	*	*	*	*	*	30.15	+·15	52	50	— 8	SW	5	o	*	o	*	59	46	—
	Cape Gris Nez ...	30.03	57	W	6	bc	30.07	+·14	55	53	+ 4	W	5	o	5	bc	*	59	52	—
	Paris	30.24	54	W	2	b	30.29	+·17	49	48	— 2	SSW	2	o	*	b	*	64	44	—
	Brest ...	30.28	57	W	4	o	30.25	+·07	56	57	+ 5	WSW	3	o	4	o	*	61	50	0.12
	Lorient	30.31	59	W	5	c	30.30	+·08	60	59	+ 5	W	5	c	4	c	*	63	43	0.08
France &	Rochefort ...	30.32	61	NW	4	c	30.29	+·17	61	57	+ 6	W	5	o	*	c	*	68	52	0.16
	Belfort	30.26	52	N	3	b	30.36	+·31	48	45	— 3	W	2	bc	*	b	*	61	43	—
	Lyons ...	30.26	55	N	1	b	30.43	+·25	54	49	— 1	NNW	1	b	*	b	*	62	47	—
	Nice	30.18	73	NW	3	b	30.13	+·22	66	52	— 7	2	o	b	3	b	*	86	61	—
	Perpignan ...	30.35	64	NW	3	b	30.45	+·26	61	54	— 1	NW	2	b	*	b	*	70	55	—
	Biarritz ...	30.41	63	NNW	3	c	30.44	+·15	60	56	+ 7	SSE	3	c	2	c	*	70	55	—
Peninsula.	Corunna ...	30.49	62	NNW	4	b	30.44	—·01	57	54	o	NNW	1	b	3	b	*	64	48	—
	Lisbon	30.30	64	NNW	5	b	30.35	+·01	61	51	+ 5	NNE	5	b	*	b	*	75	63	—
	Azores (P. Delgada)	30.45	66	E	3	o	30.43	—·02	65	59	— 1	NNE	3	bc	2	o	*	75	61	—

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

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

Bright Sunshine yesterday Southport 4.9 *hrs;*

WEATHER CHARTS

FOR SUNDAY, 5TH SEPT.R, 1897.

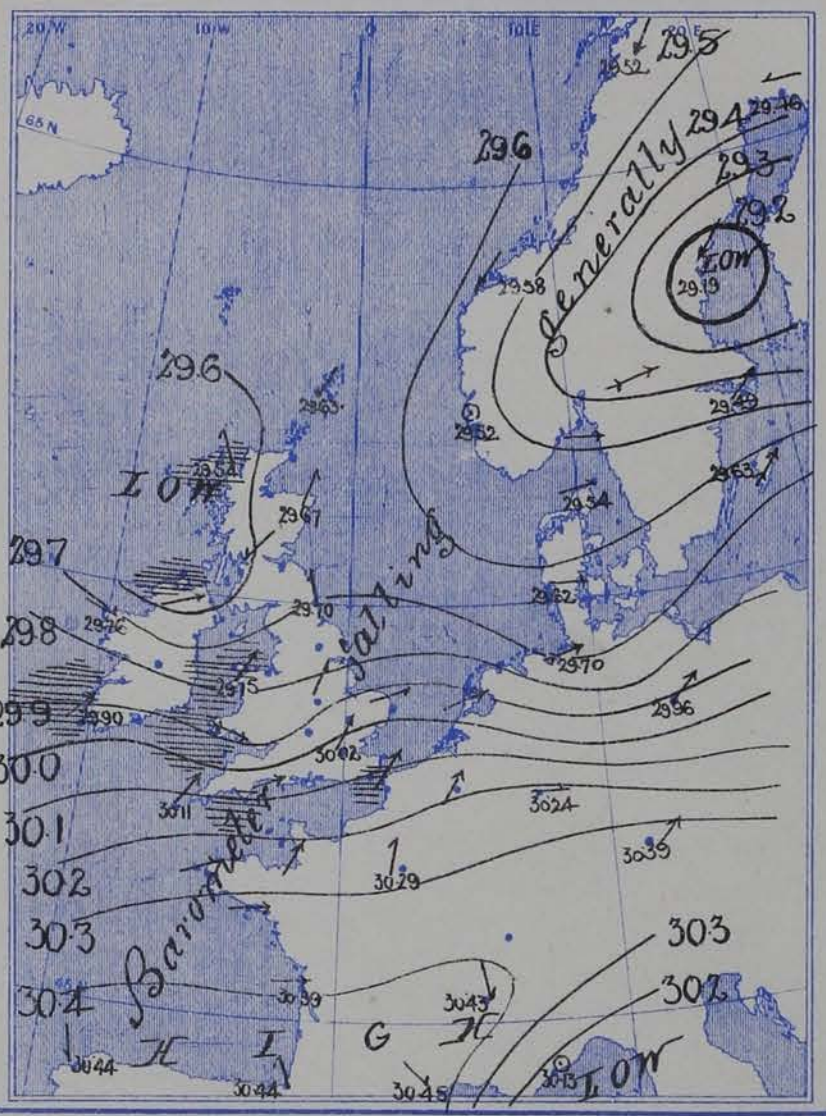
BAROMETER, WIND AND SEA.

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

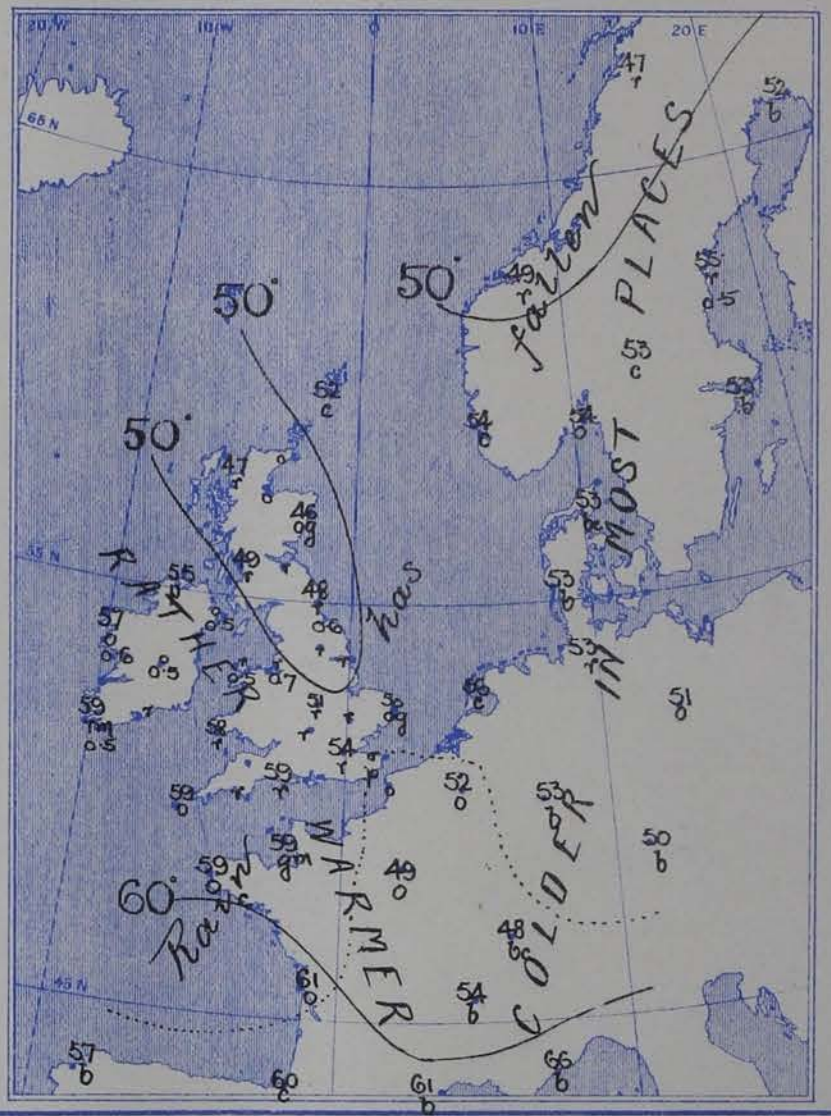


TEMPERATURE & WEATHER.

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 SEPTEMBER.

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest: 30·4 ins: and upwards, in an anticyclone lying over the Spanish Peninsula and the southwestern parts of France.
Lowest: 29·2 ins: and less, in a depression over the southern parts of the Gulf of Bothnia; 29 ins: and less in another Disturbance over the west of Scotland and extreme N. of Ireland
Gradients moderate or slight generally, but rather steep over North Germany and also over Sweden.
Barometer falling in most places – briskly on our extreme northwest coasts.

TEMPERATURE

Highest: 67° at Lisbon, 66° at Nice, 61° at Rochefort and Perpignan, and 60° at Brest and Biarritz.
Lowest: (1) 46° at Nairn and Aberdeen, 47° at Stornoway and Leith, and 48° at Wick; (2) 47° at Hirdö and 49° at Christiansund.
The maxima registered yesterday were below 60° over the greater part of the United Kingdom, on some parts of our western and southern coasts, however, and also at Leith the thermometer rose slightly above that point.

WIND

W' or SW' over Ireland, England, the Netherlands, Germany and the northern parts of France; strong in force in many places, with a gale at Hemborough and Cromer.
S' or SE' in the north and east of Scotland and the north east of England.
NE' over the northern parts of Scandinavia, W' or SW' over the south of Scandinavia, with a gale at Karlstad.

WEATHER

Rainy over Ireland, England, and the west and south of Scotland, as well as in all the more northern parts of Scandinavia. Dull in many other parts of our area, but fine over the Spanish Peninsula and the southern parts of France and Germany. Some yesterday morning rain has fallen over North Western Europe generally, the largest amounts being 0·7 in: at Liverpool, and 0·6 ins: at Shields and Helmsdale.

SEA

Rough at Malin Hd: and rather rough on many other parts of our western coasts, as well as at Cape Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

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

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

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·59	58	56	SE	6	o	4
Sumburgh Head	29·51	54	51	E	3	c	4
Stornoway	29·85	52	49	N	4	c	4
Aberdeen	29·71	50	48	WNW	5	cpgq	3
Shields	29·78	56	47	WNW	4	c	3
Ardrossan	29·83	59	51	NW	4	b	3
Malin Head ...	29·96	52	50	WNW	7	bc	6
Belmullet	30·11	56	49	WNW	1	bc	*
Holyhead	30·01	56	55	WNW	7	bcq	6*
Valencia	30·16	58	52	WSW	3	cv	4
Scilly	30·19	53	53	NW	3	c	2
Jersey	30·23	59	52	W	5	bc	4
Hurst Castle ...	30·08	59	54	W	5	c	3
Dungeness ...	30·09	60	50	W	5	c	5
North Foreland	29·99	51	52	WSW	7	c	5
London (Westminster)	30·00	58	51	WNW	3	c	*
Yarmouth ...	29·89	53	49	W	4	bgp	3*
Rochefort ...	30·29	65	64	W	5	bc	*

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 rainy in the northeast of England the north of Scotland and the west of Norway. Dull at many of the German, Baltic and northern Russian stations, with rain at Cuxhaven, Munich, Memel, and Kuopio. Rain setting in later on our extreme western coasts, and spreading quickly eastwards over nearly the whole Kingdom

Temperature fallen in most districts, but risen in Austria, Italy, and the Central and southern parts of Russia. Morning readings highest 84° at Sfax, 81° at Algiers and Tunis, and 80° at Lesina, Brindisi, and Athens; above 70° over Southern Europe generally. Lowest, (1) 44° at Shields, 45° at Nairn, Spurn Head and Donaghadee, and 46° at Aberdeen and Loughborough; (2) 43° at Bodö, Ulleaborg and Archangel. Daily maxima below 60° over our Islands as a whole, but thermometer rising slightly above that point at some of our extreme southern stations and also at Leith. Exceeding 70° over the Spanish Peninsula and the south of France, and reaching 86° at Nice.

Winds light to moderate from the N.ᵂᵈ in the north of Scotland, strong to a gale from the NW.ᵈ over the Irish Sea and the north of Ireland; moderate from the SW.ᵈ over the east of England, the Netherlands, Denmark, north Germany and the south of Sweden; E³ or NE³ in the extreme northern parts of Russia and Scandinavia. Light to moderate from the N.ᵂᵈ over the Spanish Peninsula; variable in Italy. Subsequently backing to the SW.ᵈ or S.ᵈ on our more extreme western and southwestern coasts; N³ and NW³ gales springing up in the northeast of Scotland.

Barometer highest 30·4 ins: and upwards in an anticyclone lying over the northwestern parts of the Spanish Peninsula; 30·1 ins: and more in another system over the south of Russia. Lowest 29·4 ins: and less, in a well marked depression lying near the Shetlands, 29·6 ins: and less, in a shallow system over the extreme north of Russia. Scotch depression subsequently moving eastwards, but new disturbances approaching the Irish 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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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Monday, 6th September, 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 ...	29.16	53	SSW	2	c	28.98	-.48	45	44	-7	E	4	c	#	c	#	50	45	0.47
	Hernösand ...	28.95	48	N	6	r	29.09	-.10	45	41	-10	NW	6	c	#	r	#	57	45	0.55
	Stockholm ...	29.25	51	SW	6	r	29.25	-.24	48	43	-5	W	2	b	#	r	#	59	46	0.20
	Wisby	29.45	56	WSW	9	c	29.25	-.38	54	51	0	S	4	r	#	c	#	57	50	0.04
	Karlstad ...	29.36	52	W	2	r	29.31	-.09	46	41	-7	NNE	2	c	#	r	#	#	#	0.08
	Bodö	29.30	46	N	4	0	28.98	-.54	45	44	-2	S	2	r	1	0	#	48	43	0.68
	Christiansund ...	29.54	48	NE	3	r	29.16	-.42	46	41	-3	SW	2	r	3	r	#	54	43	0.16
	Skudesnaes ...	29.49	52	SW	0	0	29.34	-.18	51	48	-3	N	1	bc	2	0	#	59	48	#
	Færder (Christiania Fjord)	29.36	62	W	4	b	29.29	-.11	49	43	-5	NE	6	0	3	b	#	63	48	0.04
	Skagen (The Scaw)	29.45	56	WNW	5	b	29.25	-.20	55	50	+2	NW	1	bc	0	b	#	61	45	0.12
	Fanö	29.43	52	NE	3	c	29.35	-.27	52	51	-1	N	3	c	#	c	#	61	50	0.04
British Islands.	Sumburgh Head	29.50	53	E	3	c	29.53	-.10	50	45	-2	NE	4	c	5	c	#	55	46	-
	Stornoway ...	29.43	53	WNW	4	b	29.46	-.08	51	50	+4	E	2	0	2	am.b	4.0	56	44	0.50
	Wick	29.41	49	NW	3	r	29.55	-.07	50	50	+2	E	3	r	3	r	#	52	46	0.10
	Nairn	29.47	54	SW	3	0	29.52	-.11	52	50	+6	N	0	c	1	0	#	58	43	0.09
	Aberdeen ...	29.48	50	SSW	2	cq	29.50	-.17	51	49	+5	NW	4	c q p	3	r, c	0.0	53	42	0.14
	Leith	29.55	55	WSW	3	0	29.55	-.07	54	50	+7	WNW	3	0	#	0	#	58	45	0.04
	Shields	29.58	56	W	4	or	29.60	-.10	52	50	+4	W	3	bc	2	r.0	#	62	43	0.24
	Spurn Head ...	29.64	58	W	5	0	29.66	-.15	56	54	+6	W	5	c	3	0, p	#	61	50	0.31
	York	29.63	58	SSW	3	0	29.66	-.10	56	53	+8	W	3	bc	#	0	0.0	62	47	0.10
	Loughborough ...	29.72	60	SW	3	0	29.75	-.15	54	51	+3	WSW	2	ew	#	or p.c	#	61	51	0.55
	Ardrossan ...	29.58	54	W	2	r	29.57	+.01	53	52	+4	W	2	0 p	1	r	#	57	48	0.35
	Malin Head ...	29.61	54	WSW	6	q p	29.62	+.05	54	52	-1	W	6	b	6	r.h p	#	56	50	0.31
	Belmullet ...	29.60	55	W	3	om	29.78	+.02	55	53	-2	W	3	0	#	or.om	#	58	49	0.37
	Donaghadee ...	29.67	54	SW	4	r	29.69	+.06	55	54	-1	SW	4	bc	2	r	#	59	46	0.07
	Liverpool (Bidston)	29.69	54	W	3	r	29.72	-.02	55	51	-1	W	5	bc	5	r	#	60	47	0.33
	Holyhead ...	29.73	56	W	2	gmr	29.78	+.03	54	51	-3	WSW	3	c	3	gmr	#	60	51	0.14
	Parsonstown ...	29.76	52	SE	0	r	29.80	+.01	54	52	-3	W	1	od	#	or	0.0	61	50	0.21
	Valencia ...	29.85	56	NNW	1	0	29.88	-.02	58	56	-1	WSW	2	0	3	0	0.0	60	55	0.06
	Roche's Point ..	29.81	61	W	5	om	29.87	-.05	57	55	-1	W	2	0	3	om	#	62	55	0.05
	Pembroke (St. Ann's Hd.)	29.74	59	NNW	1	r	29.85	-.02	58	57	0	NNW	5	o q	4	or	0.0	59	55	0.34
	Scilly	29.99	60	SW	6	r	29.93	-.18	59	59	0	W	3	r	2	or	0.0	61	57	0.53
	Prawle Point ...	29.95	55	WSW	1	r	29.92	-.19	56	56	0	WSW	3	r	4	r.qf	#	57	54	0.48
	Jersey (St. Aubin's)	30.10	62	WSW	1	o q p d	29.95	-.25	62	61	+3	WSW	5	omr	4	p d. r q	#	63	58	0.46
	Hurst Castle ...	29.91	60	WSW	1	q p	29.88	-.19	59	58	0	WSW	4	0	3	o p	#	60	58	0.36
	Dungeness ...	29.84	59	WSW	1	r	29.82	-.22	58	56	0	W	5	c	4	r.q	#	60	56	0.33
	North Foreland	29.88	60	SSW	5	0	29.84	-.22	59	55	+4	WSW	4	0	3	or	#	60	54	0.48
	London (Brixton) ...	29.82	60	WSW	4		29.82	-.20	56	54	+2	W	2	0	#	o q r	0.0	60	54	0.48
	Oxford	29.74	60	WSW	5	0	29.81	-.17	55	53	+2	WSW	3	0	#	o q r	#	60	53	0.23
	Cambridge ...	29.76	60	SW	3	d	29.78	-.21	56	53	+6	SW	3	0	#	o q r	0.0	61	49	0.37
	Yarmouth ...	29.73	59	WSW	5	o q r	29.71	-.26	55	52	+5	W	5	c q	4	o q r	#	59	48	0.62
Germany & Holland.	Cuxhaven ...	29.76	54	SW	5	r	29.41	-.29	56	55	+3	WNW	8	r	#	r	#	57	52	1.18
	Berlin	29.96	56	WSW	4	c	29.41	-.55	57	55	+6	WSW	6	0	#	c	#	61	51	0.04
	Wiesbaden ...	*	*	*	*	*	29.82	-.42	58	56	+5	W	4	r	#	*	#	61	53	0.55
	Munich	30.28	51	SW	5	c	30.03	-.36	58	53	+8	W	1	r	#	c	#	59	48	-
	The Helder ...	29.68	60	WSW	6	0	29.63	-.31	58	54	+2	WNW	6	c	4	0	#	61	55	0.87
Belgium.	Brussels ..	*	*	*	*	*	29.82	-.33	55	55	+3	WSW	3	0	#	r	#	59	51	0.87
	Cape Gris Nez ...	29.86	58	W	1	r	29.80	-.27	60	58	+5	W	5	0	5	r	#	59	55	1.14
	Paris	30.15	61	SW	2	0	29.99	-.30	57	57	+8	SW	4	r	#	0	#	63	49	0.12
	Brest	30.14	60	WSW	4	0	30.02	-.23	60	60	+1	SW	5	f	4	0	#	63	54	0.12
	Lorient... ..	30.25	61	W	5	0	30.10	-.20	61	61	+1	W	5	f	5	0	#	66	52	0.04
France &	Rochefort ...	30.31	63	WSW	6	0	30.19	-.13	64	63	+3	W	6	c	#	r	#	68	61	0.04
	Belfort	30.04	54	SW	6	r	30.08		50	50		W	1	bc	#	r	#	61	?	-
	Lyons ...	29.99	60	SE	1	0	30.25	-.18	57	53	+3	E	1	c	#	0	#	66	53	-
	Nice	30.17	66	N	0	b	30.10	-.03	57	54	+1	N	0	b	2	b	#	79	59	-
	Perpignan ...	30.34	70	NW	3	b	30.29	-.16	62	55	+1	SW	1	c	#	b	#	77	52	-
	Biarritz ...	30.36	66	N	3	b	30.30	-.14	60	56	0	S	3	bc	2	b	#	73	55	-
Peninsula.	Corunna ...																#			
	Lisbon	30.30	72	N	5	b	30.30	-.05	71	54	+4	NE	3	b	#		#	84	63	-
	Azores (P. Delgada)	30.42	66	E	2	b	30.37	-.06	68	61	+3	ENE	3	0	3	b	#	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...0.0 hrs;

WEATHER CHARTS

FOR Monday, 6th September, 1897.

BAROMETER, WIND AND SEA.

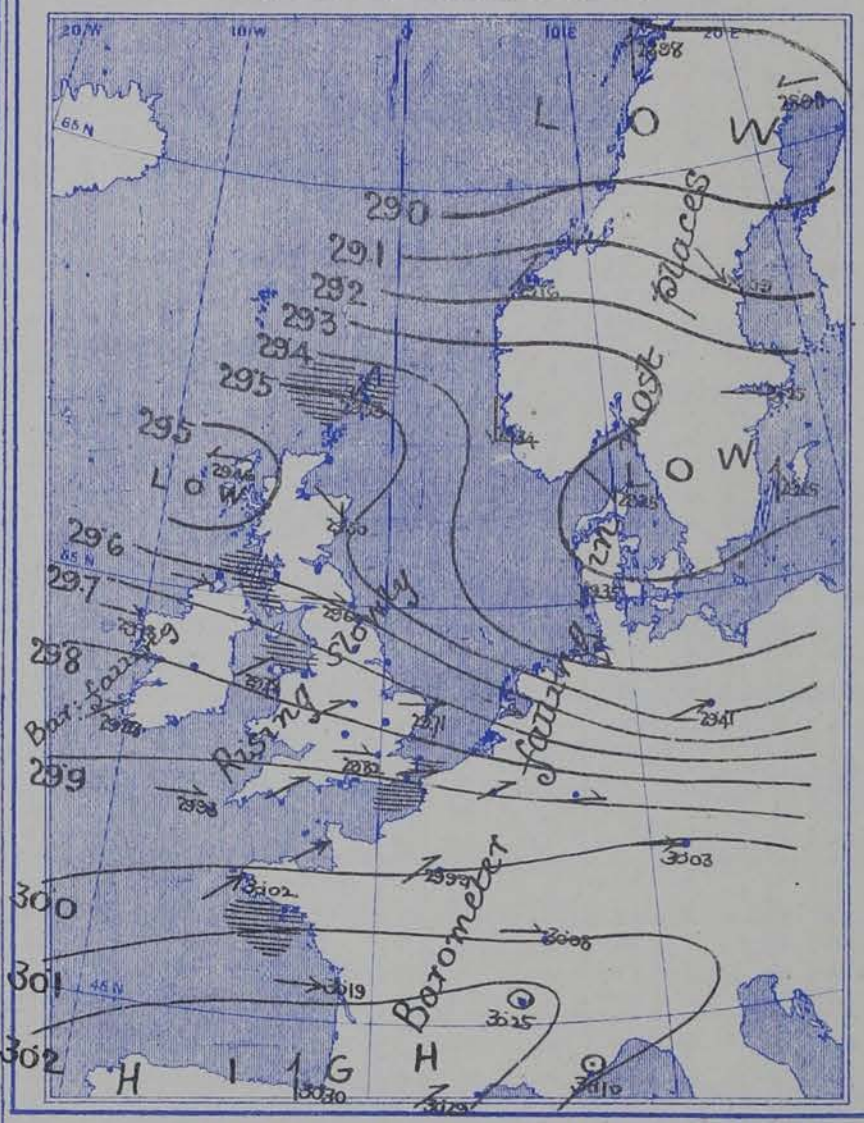
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

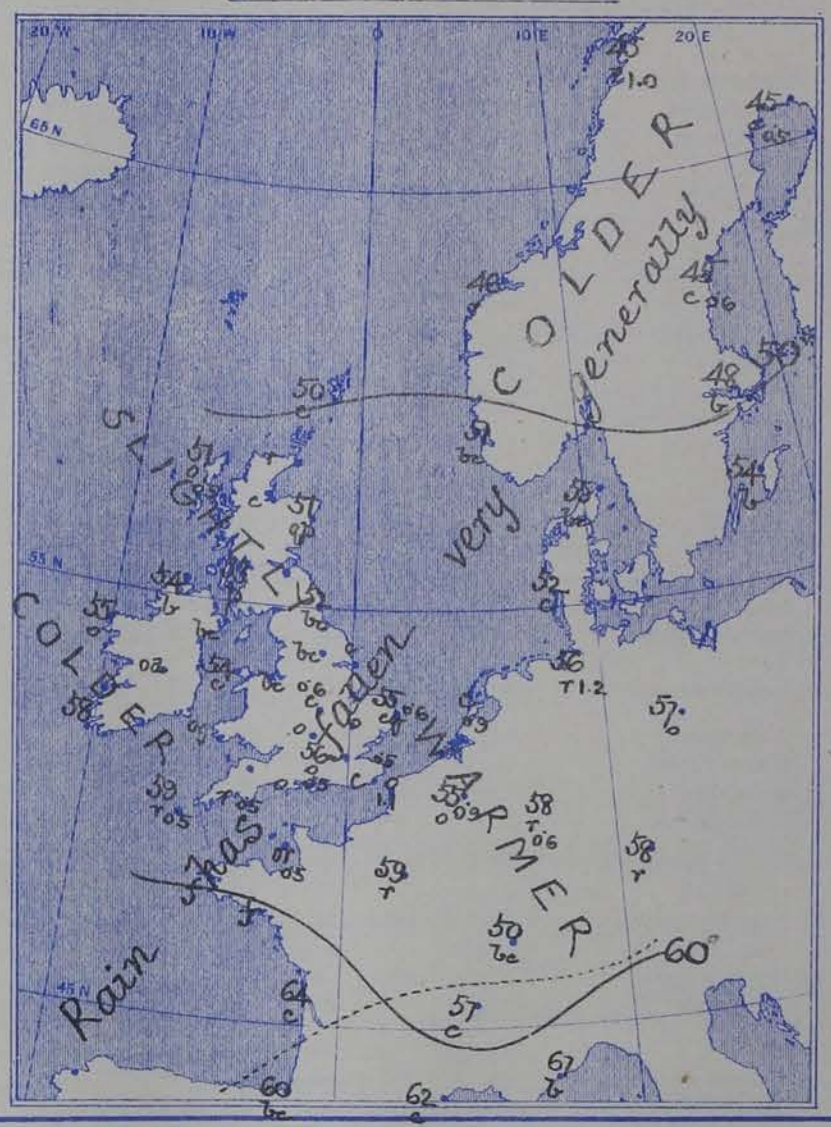


TEMPERATURE & WEATHER.

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 SEPTEMBER.

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and upwards in an anticyclone lying over the Spanish Peninsula.
Lowest, 29·0 in: and less, in a complex depression over the northern parts of Scandinavia; 29·3 in: and less, in another disturbance over Denmark and the south of Sweden; 29·5 in: and less, in a third system off the northwest of Scotland.
Gradients moderate generally, but rather steep over Germany.
Barometer rising over our Islands as a whole, but falling again in the west of Ireland, falling also at most of the Continental stations.

TEMPERATURE

Highest, 67° at Nice, 64° at Rochefort, 62° at Jersey and Perpignan, 61° at Lorient, and 60° at Ushant and Cape Gris Nez.
Lowest, 45° at Haparanda, Hernösand, and Bodö, and 46° at Christiansund and Marstad; lowest in our Islands 50° at Lumbrgh Hd and Mod.
The maxima registered yesterday were below 60° at most of our northern and eastern stations, and very little above it in the west and south.

WIND

W^ly over the greater part of Ireland, England, the Netherlands, France and Germany, fresh or strong in force in places, with a gale at Yarmouth.
E^ly or NE^ly in the north of Scotland; N^ly in Denmark and the south of Sweden; variable over the northern parts of Scandinavia.
A fresh to strong gale from the W^ward was experienced yesterday in the eastern parts of the English Channel.

WEATHER

Fine over the northern parts of Ireland and England, as well as in the south of France and at many stations in Denmark and the south of Scandinavia.
Cloudy or dull elsewhere, with fog on the northwest coasts of France, also in the eastern parts of the Channel and the northeast of Scotland, as well as in Germany and the W of Norway.
Rain fell yesterday in nearly all parts of Western Europe, the largest amounts being 1·2 in: at Cushaven, 1·1 in: at Cape Gris Nez, 1·0 in: at Bodö and 0·9 in: at Brussels and the Helder.

SEA

Moderate or slight generally, but rough at Malin Head, and rather rough at Lumbrgh Hd, Liverpool, Cape Gris Nez & Lorient.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general appearance remains very unsettled. The depression noticed over Scotland yesterday has travelled on to Denmark and the south of Sweden, but a new disturbance is apparently advancing towards our extreme northwest coasts.

FORECASTS

For the 24 hours ending at NOON on 7th SEPT: 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E^ly to Variable breezes; unsettled, rain at times.
1	SCOTLAND EAST	W^ly to S^ly winds; fair at first, some rain later.
2	ENGLAND N.E.	
3	ENGLAND EAST	W^ly to SW^ly winds, freshening; changeable, some rain.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	W^ly to SW^ly winds, increasing in force; unsettled, 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 ...							
Sumburgh Head							
Stornoway	29.89	56	55	WNW	6	c qr	5
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.65	55	53	NSW	6	r	6
Belmullet	29.79	56	55	W	4	r	*
Holyhead							
Valencia							
Scilly							
Jersey	30.16	62	58	WSW	7	0	5
Hurst Castle ...							
Dungeness ...	29.92	59	58	NSW	7	r	6
North Foreland	29.91	58	57	SSW	6	r	5
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.12	64	62	WNW	6	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 29TH AUG: TO THE 4TH SEPT:

In the course of this week there has been a constant succession of depressions moving across our Islands — some of them travelling from the southwestward, others from the westward — the track of the latter lying over our more northern Districts. There has consequently been a continuation of winds from between SSW. and NW — occasionally from NW — accompanied by heavy rains, and in some places by thunder and lightning. Temperature has varied a good deal; towards the end of the week it fell fast, as the wind veered to NW. and the sky cleared; early on Saturday morning it went down to between 34° and 36° in the screen at most of the Scotch stations, to between 39° and 41° over Central England, and to 41° at Paremoutown. It is thus evident that on the grass a sharp frost occurred at the Scotch stations, and apparently a little frost over some parts of England; even in London (Brixton) the grass thermometer went down to 33°.

At the close of the week there was no indication of improving weather.

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 7th September, 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 ...	28·99	49	S	2	o	29·06	+·08	49	47	+ 4	E	4	c	#	o	#	61	43	0·12
	Hernösand ...	29·11	46	W	4	b	29·06	—·03	46	39	+ 1	W	4	b	#	b	#	55	45	—
	Stockholm ...	29·17	47	NW	2	bc	29·25	·00	46	42	— 2	W	4	b	#	bc	#	55	45	—
	Wisby	29·21	53	N	8	bc	29·31	+·06	58	47	— 4	NW	4	b	#	bc	#	54	48	0·71
	Karlstad ...	29·29	46	WNW	2	o	29·24	—·07	46	41	0	W	2	b	#	o	#	#	#	—
	Bodö	28·96	51	Z	0	o	29·04	+·06	48	45	+ 3	Z	o	b	o	o	#	52	43	0·12
	Christiansund ...	29·42	40	WNW	6	r	29·32	+·16	49	47	+ 3	WNW	9	r	6	r	#	49	43	0·79
	Skudesnaes ...	29·49	51	N	8	c	29·62	+·28	50	48	— 1	NNW	10	o	5	c	#	57	41	#
	Færder (Christiania Fjord)	29·32	54	W	2	c	29·33	+·04	51	45	+ 2	NW	4	o	2	c	#	54	48	—
	Skagen (The Scaw)	29·36	52	Z	o	bc	29·40	+·15	51	45	— 4	NW	3	c	1	bc	#	55	41	0·16
	Fanö	29·47	53	NW	6	c	29·62	+·27	52	48	0	NW	7	c	#	r.c	#	59	50	0·71
	Sumburgh Head	29·75	45	NNE	4	bc	29·85	+·32	46	43	— 4	NW	4	c	5	c.bc	#	53	42	0·01
	Stornoway ..	29·83	63	ENE	4	c	30·01	+·45	46	45	— 5	NE	3	c	4	c	6·9	57	41	0·02
	Wick	29·83	53	E	2	o	29·97	+·42	48	47	— 2	N	2	c	1	o	#	58	39	0·02
	Nairn	29·81	51	ENE	2	bc	30·00	+·48	47	46	— 5	W	1	bc	2	bc	#	54	37	0·19
	Aberdeen ...	29·80	49	N	3	b	29·98	+·48	49	44	— 2	NW	3	bc	3	p.bcq.b	5·0	55	41	0·04
British Isles	Leith	29·75	54	E	3	o	30·01	+·46	49	46	— 5	N	1	c	#	o	#	66	42	0·11
	Shields	29·73	52	N	3	o	30·02	+·42	47	44	— 3	NW	3	bc	3	c,blr,o	#	61	42	0·04
	Spurn Head ...	29·71	56	WNW	5	b	29·97	+·31	52	53	— 2	NNW	3	bc	3	blpr,b	#	60	52	0·07
	York	29·72	60	W	2	b	30·01	+·35	51	48	— 5	N	1	o	#	b	9·5	62	47	0·13
	Loughborough ...	29·79	58	WNW	3	bc	30·01	+·26	52	51	— 2	NNW	1	cmw	#	ep,om,c	#	64	48	0·12
	Ardrossan ...	29·71	56	W	2	cp	30·05	+·48	51	48	— 2	Z	o	am	o	bcp.cp	#	59	45	0·07
	Malin Head ...	29·74	55	W	6	cq	30·04	+·42	52	47	— 2	NNW	4	b:p	2	bc.cq	#	60	47	0·04
	Belmullet ...	29·91	56	NW	1	b	30·11	+·33	56	52	+ 1	NNE	1	o	#	cp,b	#	58	46	0·04
	Donaghadee ...	29·78	58	WNW	4	bc	30·04	+·35	53	50	— 2	E	3	c	1	bc	#	63	49	0·01
	Liverpool (Bidston)	29·80	56	W	4	b	29·99	+·27	52	50	— 3	ENE	1	o	?	p.b	#	59	51	0·19
	Holyhead ...	29·83	56	W	3	bcp	30·00	+·22	56	54	+ 2	NW	2	c	1	cp.bcp	#	61	51	0·01
	Parsonstown ...	29·88	56	W	1	b	30·08	+·28	49	48	— 5	Z	o	b	#	b	5·7	61	45	—
	Valencia ...	29·98	51	WNW	3	bc	30·12	+·24	55	53	— 3	Z	o	o	1	c,bc	5·8	60	51	—
	Roche's Point ..	29·95	59	NW	3	b	30·11	+·24	55	52	— 2	NNW	2	bc	3	b	#	63	50	—
	Pembroke (St. Ann's Hd.)	29·88	59	WNW	5	b	30·05	+·20	55	53	— 3	NW	4	c	4	b	4·6	59	54	—
	Scilly	29·92	59	WNW	3	cp	30·09	+·16	58	55	— 1	NNW	2	c	2	f,cp	0·0	61	55	0·62
	Prawle Point ...	29·91	57	WSW	3	o	30·07	+·15	56	54	o	NW	3	b	3	r.o	#	57	49	0·30
	Jersey (St. Aubin's)	29·91	60	WNW	1	or	30·07	+·12	61	58	— 1	NW	3	b	3	f,orm	#	62	58	0·87
	Hurst Castle ...	29·86	61	WNW	3	bc	29·98	+·10	55	54	— 4	WNW	1	bcw	2	cp.bc	#	62	50	0·03
	Dungeness ...	29·79	61	WSW	4	c	29·99	+·17	55	52	— 3	NNW	3	o	2	c	#	63	48	—
	North Foreland	29·71	60	WSW	3	b	29·99	+·15	55	53	— 4	W	2	c	2	c,b	#	66	52	0·01
	London (Brixton) ...	29·80	60	W	3	c	30·01	+·19	54	51	— 2	NW	1	bcw	#	c.b,o	1·8	66	47	—
	Oxford	29·87	54	NW	3	c	30·01	+·20	55	52	o	W	2	b	#	c	#	64	50	—
	Cambridge ...	29·79	58	WNW	2	o	30·01	+·23	51	50	— 5	NW	1	ogmw	#	c,o	5·4	65	47	—
	Yarmouth ...	29·72	57	WNW	4	opq	29·95	+·24	54	49	— 1	NW	3	c	3	cq.bpq.o	#	62	47	0·03
Germany & Holland	Cuxhaven ...	29·50	54	W	5	c	29·69	+·28	54	53	— 2	NW	6	bc	#	c.rq	#	59	50	0·63
	Berlin	29·58	53	W	4	o	29·67	+·26	53	49	— 4	W	4	b	#	o	#	63	48	0·12
	Wiesbaden ...	#	#	#	#	#	29·89	+·07	59	49	+ 1	SW	2	b	#	#	#	61	46	0·63
	Munich... ..	29·90	55	SW	5	r	29·95	—·08	50	50	— 8	SW	5	c	#	r	#	63	50	0·79
	The Helder ...	29·66	57	WNW	6	o	29·87	+·24	56	50	— 2	N	3	bc	2	o	#	59	55	0·16
Belgium. France &	Brussels ..	#	#	#	#	#	29·96	+·14	53	52	— 2	WSW	1	o	#	c	#	59	51	—
	Cape Gris Nez...	29·80	60	W	5	c	29·95	+·15	55	53	— 5	N	2	m	2	c	#	64	54	—
	Paris	29·92	57	WSW	2	r	30·02	+·03	53	53	— 4	WNW	1	f	#	r	#	63	50	0·79
	Brest	29·97	60	W	4	f	30·10	+·08	57	55	— 3	NW	2	c	3	f	#	61	52	0·16
	Lorient	30·01	62	W	6	f	30·10	·00	57	57	— 4	NNW	4	bc	4	f	#	64	46	0·12
	Rochefort ...	30·00	66	W	6	o	30·11	—·08	64	62	o	NW	5	r	#	o	#	70	61	0·16
	Belfort	29·94	57	WSW	8	r	29·96	—·12	53	52	+ 3	W	3	o	#	r	#	58	52	0·75
	Lyons	30·06	67	SSW	1	o	30·00	—·25	59	57	+ 2	WSW	2	o	#	o	#	76	57	0·04
	Nice	29·92	68	Z	o	c	29·79	—·37	64	60	— 3	Z	o	c	2	c	#	77	61	—
	Perpignan ...	30·14	76	N	4	o	30·07	—·22	72	59	+ 10	NW	3	b	#	o	#	84	62	—
	Biarritz ...	30·26	68	W	4	o	30·19	—·11	67	63	+ 7	WSW	5	o	4	o	#	73	60	—
Peninsula	Corunna ...																#			
	Lisbon	30·24	74	N	4	b	30·22	—·08	71	59	o	N	2	b	#	b	#	88	64	—
	Azores (P. Delgada)	30·36	61	E	4	o	30·31	—·06	68	62	o	NNE	3	o	2	o	#	75	66	—

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

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

Bright Sunshine yesterday Southport 8·9 hrs;

WEATHER CHARTS

FOR Tuesday 7th September, 1897.

BAROMETER, WIND AND SEA.

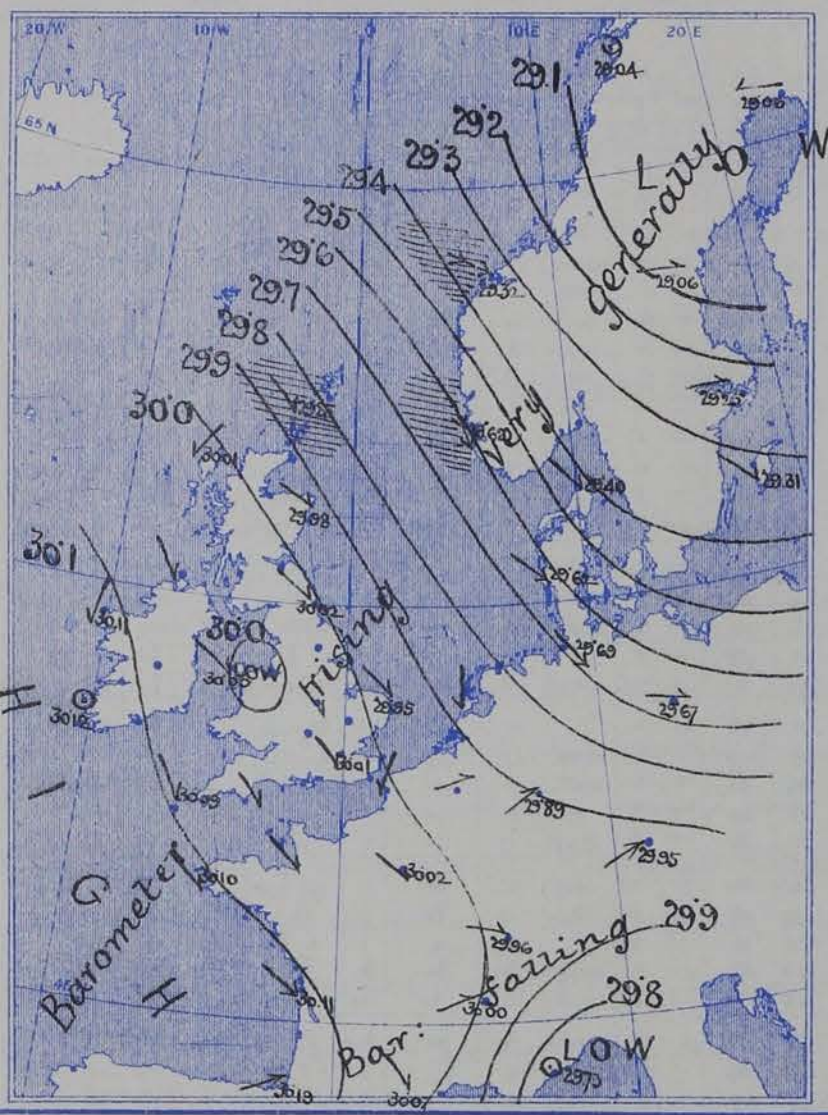
BAROMETER—Isobars are drawn for each tenth of an inch.

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

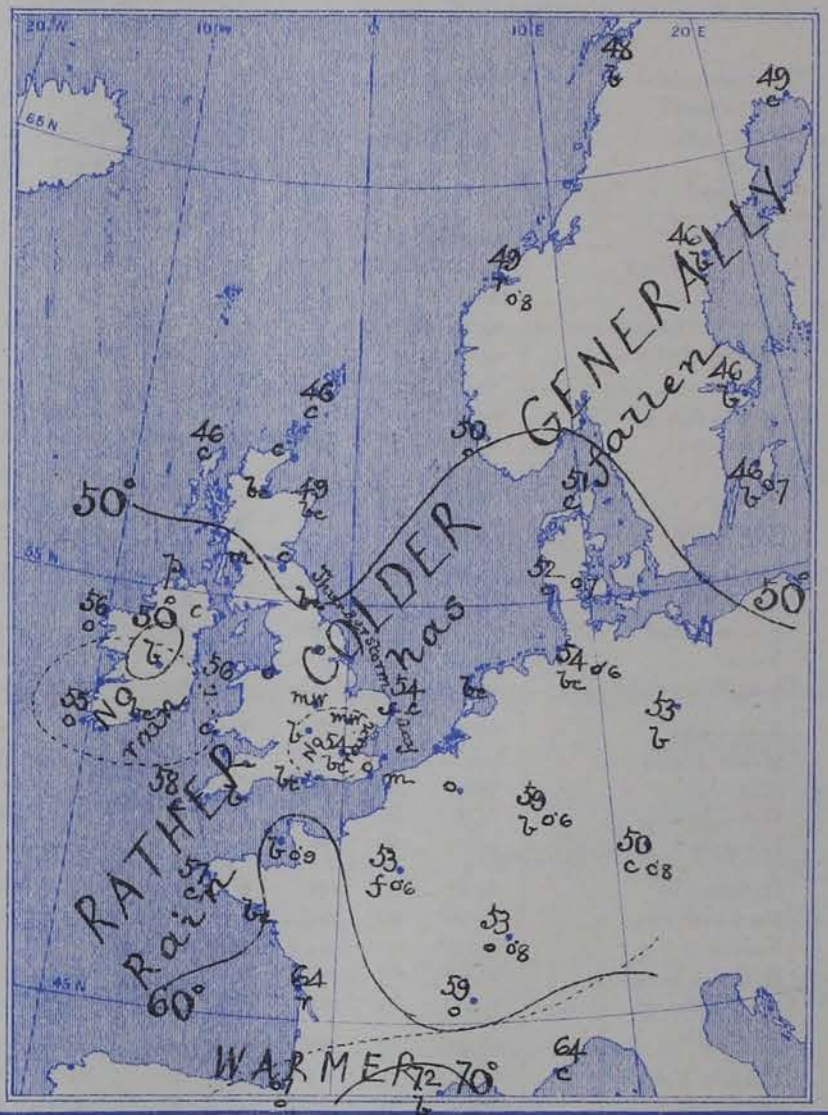


TEMPERATURE & WEATHER.

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 SEPTEMBER.*

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* 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 the Spanish peninsula.
Lowest 29.1 ins. and less in a depression over the northern parts of Scandinavia.
Gradients rather steep over Norway and the E^rn. parts of the North Sea, but moderate or slight elsewhere. Barometer rising generally, but falling in the south of France.

TEMPERATURE

Highest 72° at Perpignan, 71° at Lisbon, 67° at Biarritz, 64° at Rochefort & Nice, & 61° at Jersey.
Lowest 46° at Hernösand, Stockholm, Karlstad, Sumburgh Hd. and Stornoway, and 47° at Nairn and Shields.
During yesterday the thermometer rose to between 60° and 65° in many parts of the United Kingdom, and to 66° at Leith, the North Foreland and in London. On many parts of our W^rn. and extreme N^rn. coasts, however, it failed to reach 60°.

WIND

Chiefly NW^ly.; light to moderate in force in our Islands and France, but strong to a gale on the Norwegian and Danish coasts.
W^ly. or SW^ly. over Belgium, Germany and central France.

WEATHER

Fair or fine over W^rn. Europe as a whole, but dull at several of our own W^rn. and central stations, as well as in the SW. of France, with rain at Rochefort. Dull also in the W. and S. of Norway, with rain at Christiansund.
Rain fell yesterday in many parts of our area, the largest amounts being :-(1) 0.9 in. at Jersey, and 0.8 in. at Belfort and Munich; (2) 0.8 in. at Christiansund, and 0.7 in. at Ilfracombe and Faro. Thunderstorms occurred on the E. coasts of England.

SEA

Slight or smooth generally, but rough off the W. of Norway, and rather rough at Sumburgh Hd.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of the advance of any fresh depression. The barometric rise in the W. is, however, inclined to slacken, and the general appearance is not yet settled.

FORECASTS

For the 24 hours ending at NOON on 8^th. SEPT^r. 1897.

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW^ly. winds, light or moderate, fair generally.	6	SCOTLAND WEST	NW^ly. winds, backing later, fair at first, then cloudy, with some rain.
1	SCOTLAND EAST		7	ENGLAND N.W.	
2	ENGLAND N.E.	Same as No. 5.	8	ENGLAND S.W.	
3	ENGLAND EAST		9	IRELAND NORTH	
4	MIDLAND COUNTIES		10	IRELAND SOUTH	
5	ENGLAND SOUTH	NW^ly. winds, light or moderate, changeable at first with local thundershowers 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.
Skudesnaes ...	29.39	57	52	N	6	b	1
Sumburgh Head	29.67	51	45	NNE	4	c	5
Stornoway	29.73	56	54	E	4	c	5
Aberdeen	29.68	54	48	NE	5	bcq	4
Shields	29.64	55	51	W	3	c	2
Ardrossan	29.65	59	55	W	2	bcp	1
Malin Head ...	29.71	55	52	W	6	bcq	6
Belmullet	29.86	56	54	NW	3	cp	*
Holyhead	29.79	60	55	W	3	cp	2
Valencia	29.93	60	56	W	4	c	4
Scilly	29.90	60	59	WNW	1	f	3
Jersey	29.94	59	59	WSW	1	rm	1
Hurst Castle ...	29.86	60	59	WSW	4	cp	2
Dungeness ...	29.80	61	57	WSW	4	c	4
North Foreland	29.82	61	56	WSW	3	c	2
London (Westminster)	29.79	63	58	W	3	bc	*
Yarmouth ...	29.70	62	54	W	5	cq	3
Rochefort ...	30.14	68	65	W	6	c	*

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

Weather in morning cloudy or dull over our islands and the N^rn. and central parts of the Continent as a whole, with rain over the W^m. parts of the English Channel, as well as over the N. of France and the greater part of Germany. Rain falling also in the NE. of Scotland and the W. of Norway. Fine over the N^rn. parts of Ireland and England, and also over S^rn. Europe generally. Rain falling late in many parts of W^m., N^rn. and central Europe,—heavily in places. Thunderstorms occurring on the E. coasts of England.

Temperature risen in most of the W^m. and N^rn. countries, but fallen in Italy, Austria and Russia. Morning readings highest 81° at Sfax, 80° at Athens, 77° at Constantinople, and 76° at San Fernando; above 65° in many parts of S^rn. Europe. Lowest 45° at Haparanda, Hernösand and Bodö, and 46° at Christiansund and Karlstad. Rising during day to between 60° and 65° in many parts of our islands and to 66° at Leith, the North Foreland and in London; exceeding 75° in the S. of France, and reaching 84° at Perpignan, and 88° at Lisbon.

Wind W^ly. over the greater part of Ireland, England, France, Germany and the Netherlands; strong in force in places, with a gale at Cuxhaven; E^ly. or NE^ly. in the extreme N. of Scotland. S^ly. over the Baltic and the N^rn. parts of Russia; N^ly. or NE^ly. in the south of Norway. N^ly. or NW^ly. over the central and southern parts of Russia; calm or variable in Italy and Austria; NE^ly. over the Spanish peninsula. Subsequently veering to the NW^wd. in many parts of Ireland and England, but moderating considerably in strength.

Barometer highest 30.3 ins. to 30.4 ins. over the Spanish peninsula, 30.1 ins. and upwards in an anticyclone embracing a considerable portion of S^rn. Europe. Lowest 29.0 ins. and less in a complex depression over the N^rn. parts of Scandinavia, 29.3 ins. and less in two secondary systems,—one lying over the S. of Sweden and the N. of Denmark and the other over N. Germany. Further secondary disturbances appearing later over our islands and the North Sea, but barometer rising in the W. and N. 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 Wednesday, 8th September, 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 ...	29·22	47	S	2	r	29·34	+·28	48	48	− 1	SW	0	r	*	r	*	55	43	0·28
	Hernösand ...	29·16	49	SW	0	b	29·28	+·22	50	46	+ 4	NW	4	c	*	b	*	54	36	-
	Stockholm ...	29·23	48	SW	2	0	29·31	+·06	50	47	+ 4	NW	2	0	*	0	*	55	39	-
	Wisby	29·36	53	SW	8	r	29·37	+·06	53	48	+ 3	NW	8	b	*	r	*	54	48	-
	Karlstad ..	29·28	51	SW	0	bc	29·42	+·18	50	45	+ 4	W	4	b	*	bc	*	*	*	-
	Bodö	29·34	50	NE	1	b	29·38	+·34	49	45	+ 1	E	2	b	1	b	*	55	41	-
	Christiansund ...	29·43	50	NNW	8	0	29·52	+·20	49	48	0	NW	6	r	4	0	*	50	46	0·71
	Skudesnaes ...	29·67	49	NNW	9	0	29·65	+·03	50	47	0	NNW	7	0	4	0	*	54	41	*
	Færder (Christiania Fjord)	29·37	58	WNW	4	0	29·49	+·16	54	48	+ 3	WNW	2	b	3	0	*	61	51	-
	Skagen (The Scaw)	29·43	55	NNW	5	b	29·52	+·12	55	50	+ 4	NNW	2	c	0	b	*	61	48	-
	Fanö	29·71	51	NW	7	c	29·69	+·07	50	47	− 2	NW	7	c	*	c	*	57	50	0·04
	Sumburgh Head	29·85	49	NW	4	c	29·85	·00	45	41	− 1	N	2	c	4	bc.c	*	50	41	0·02
	Stornoway ...	30·01	52	NNW	3	bc	29·93	−·08	46	45	0	WNW	2	c	2	c.bc	9·5	53	40	0·01
	Wick	29·97	46	N	2	0	29·93	−·04	50	48	+ 2	N	2	c	2	0	*	54	39	0·08
	Nairn	29·98	50	W	1	bc	29·96	−·04	45	44	− 2	W	1	c	1	bc	*	57	38	0·02
	Aberdeen ...	29·98	48	NW	3	b	29·95	−·03	49	45	0	NW	3	bcw	3	bc.b	9·5	55	37	-
British Isles.	Leith	29·95	54	W	1	c	29·95	−·06	47	45	− 2	NE	1	m	*	c	*	60	40	0·02
	Shields	30·00	50	NE	1	0	29·97	−·05	48	45	+ 1	WNW	1	cm	2	p.c.o	*	55	42	-
	Spurn Head ...	30·00	52	ENE	3	ov	29·96	−·01	53	52	− 1	ESE	2	c	4	c,ov	*	57	50	0·02
	York	30·00	56	W	1	bc	29·95	−·06	48	46	− 3	NNW	1	c	*	bc	1·9	58	43	-
	Loughborough ...	29·99	56	ENE	2	0	29·98	−·03	47	46	− 5	W	1	cmw	*	c.og.rf	*	61	42	0·19
	Ardrossan ...	29·97	53	NW	2	bc	29·93	−·12	50	47	− 1	NE	1	b	1	bc	*	58	40	-
	Malin Head ...	30·04	52	SW	3	bc	29·95	−·09	54	50	+ 2	ENE	3	b	1	b,bc	*	54	44	-
	Belmullet ...	30·04	55	N	1	r	29·89	−·22	52	50	− 4	SE	2	0	*	0	*	59	50	0·04
	Donaghadee ...	30·05	53	NW	4	bc	29·96	−·08	50	48	− 3	NW	3	b	1	bc	*	58	39	-
	Liverpool (Bidston)	30·01	54	N	1	0	29·05	−·04	54	53	+ 2	W	0	bc	0	0	*	59	49	-
	Holyhead ...	30·03	55	NW	1	og	29·96	−·04	52	49	− 4	NE	2	cg	1	bc.og	*	59	49	-
	Parsonstown ...	30·03	55	W	0	0	29·86	−·22	52	50	+ 3	SE	1	or	*	c.or	3·2	59	48	0·18
	Valencia ...	30·05	55	S	1	gmr	29·82	−·30	56	56	+ 1	NE	1	gmr	2	o,gmr	0·4	60	52	0·72
	Roche's Point ..	30·10	57	WSW	4	op	29·88	−·23	55	55	0	SE	4	r	4	bc.or	*	61	51	0·56
	Pembroke (St. Ann's Hd.)	30·07	56	NW	3	0	29·93	−·12	54	53	− 1	SE	2	0	3	c.o	5·7	57	52	0·06
	Scilly	30·10	58	WNW	3	c	29·87	−·22	59	59	+ 1	W	3	m	2	c	6.1	60	53	0·42
	Prawle Point ...	30·07	55	WNW	3	bc	29·96	−·11	51	51	− 5	E	2	r	1	c.rm	*	61	51	0·09
	Jersey (St. Aubin's)	30·09	61	W	3	bc	30·00	−·07	56	55	− 5	SW	3	crm	3	bc	*	64	55	0·01
	Hurst Castle ...	30·02	60	WSW	4	c	29·97	−·01	54	53	− 1	NW	1	og	1	c	*	67	52	-
	Dungeness ...	29·99	58	ENE	2	0	29·94	−·05	53	52	− 2	WNW	2	0	1	cp.b	*	63	50	0·04
	North Foreland	30·03	56	WNW	1	c	29·93	−·06	58	54	+ 3	NW	2	c	2	c	*	59	51	0·01
	London (Brixton) ...	29·99	57	W	0	og	29·96	−·05	53	52	− 1	W	0	mw	*	cp.c,op	1·9	64	49	0·01
	Oxford	29·99	55	WNW	1	0	29·98	−·03	52	50	− 3	W	0	0	*	c,or	*	63	50	0·01
	Cambridge ...	30·00	56	NE	1	cm	29·98	−·03	47	47	− 4	ESE	1	fw	*	cm	1·5	60	44	0·01
	Yarmouth ...	30·01	55	NNW	1	bc	29·94	−·01	52	50	− 2	WNW	2	cm	4	b.bc	*	59	48	0·12
Germany & Holland.	Cuxhaven ...	29·79	54	NW	6	bc	29·81	+·12	51	50	− 3	NW	3	c	*	bc	*	57	48	0·12
	Berlin	29·78	51	NW	4	b	29·88	+·21	49	46	− 4	WNW	5	c	*	b	*	59	45	0·08
	Wiesbaden ...	*	*	*	*	*	30·02	+·13	52	50	− 1	NW	1	0	*	*	*	61	48	-
	Munich... ..	30·04	49	SW	4	b	30·09	+·14	49	47	− 1	W	3	c	*	b	*	57	46	0·12
	The Helder ...	29·93	55	NW	3	bc	29·93	+·06	54	48	− 2	NW	2	bc	2	bc	*	57	54	-
Belgium.	Brussels ...	*	*	*	*	*	29·95	−·01	54	53	+ 1	S	1	0	*	?	*	60	47	0·20
	Cape Gris Nez...	29·99	57	W	1	0	29·92	−·03	56	55	+ 1	NW	1	m	1	0	*	63	52	-
	Paris	30·05	57	SW	1	r	30·02	·00	53	52	0	S	1	0	*	0,r	*	65	50	-
	Brest	30·12	59	NW	2	b	29·97	−·13	59	59	+ 2	NW	4	g	3	b	*	64	52	0·08
	Lorient... ...	30·10	63	W	4	bc	30·03	−·07	59	57	+ 2	W	2	c	2	bc	*	68	?	-
France &	Rochefort ...	30·14	65	NW	4	bc	30·13	+·02	63	61	− 1	NW	3	b	*	bc	*	68	59	-
	Belfort	30·01	55	WSW	3	c	30·07	+·11	48	47	− 5	W	2	m	*	c	*	62	45	-
	Lyons ...	30·05	60	WNW	1	bc	30·07	+·07	55	51	− 4	E	1	b	*	bc	*	65	48	0·12
	Nice	29·69	68	SW	2	bc	29·86	+·13	69	62	+ 5	SW	0	b	0	b	*	81	63	-
	Perpignan ...	30·00	74	NW	5	b	30·06	−·01	66	60	− 6	N	4	b	*	b	*	82	63	-
	Biarritz ...	30·13	67	NNW	5	r	30·10	−·09	64	63	− 3	WNW	3	0	2	r	*	70	61	0·12
Penin-sula.	Corunna ...																*			
	Lisbon	30·12	68	NW	4	c	30·09	−·13	64	63	− 1	WNW	4	0	*	c	*	88	64	-
	Azores (P. Delgada)	30·26	66	ESE	1	bc	30·21	−·10	68	63	0	E	1	bc	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 2.4 hrs;

WEATHER CHARTS

FOR ..... Wednesday, 8th September, 1897.

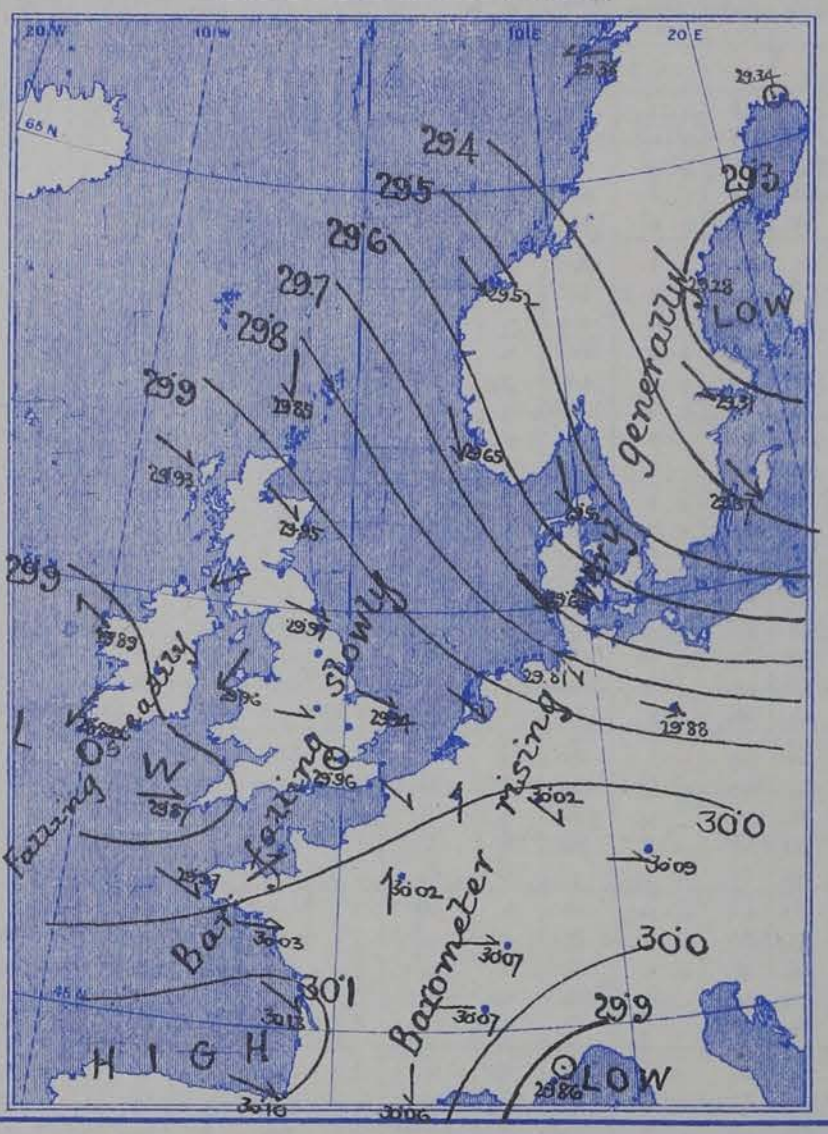
BAROMETER, WIND AND SEA.

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

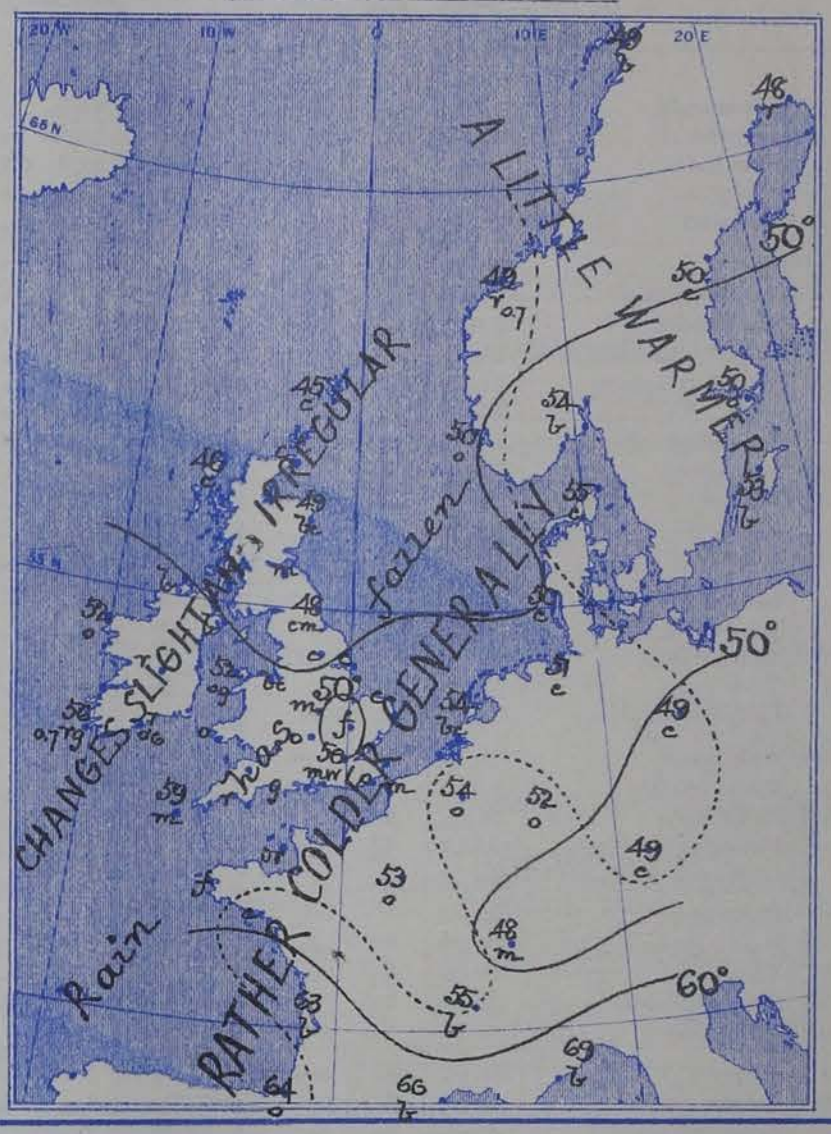


TEMPERATURE & WEATHER.

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 SEPTEMBER.

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* 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 inches and upwards in an anticyclone lying over the Bay of Biscay and the neighbouring parts of France and Spain.
Lowest, 29·3 inches and less, in a depression over the southern part of the Gulf of Bothnia; 29·9 inches and less, in a shallow system lying over the southeastern parts of the United Kingdom.
Gradients slight over our Islands and France, moderate to rather steep over Denmark, North Germany and the Baltic.
Barometer falling in our Islands, and the west and north of France, but rising elsewhere

TEMPERATURE

Highest, 69° at Nice, 66° at Lagunan, 64° at Biarritz and Lisbon, 63° at Rochefort and 59° at Scilly, Brest, and Lorient.
Lowest, 45° at Lerwick and Nairn, 46° at Stornoway and 47° at Leith, Loughborough and Cambridge.
During yesterday the thermometer rose to 60° and upwards at most of our central and southern stations, and to 67° at Hunstanton; on some parts of our extreme north and northwest coasts it did not reach 55°.

WIND

Light from the E. and or SE. and on most parts of our eastern coasts, but W. at most of the English Channel stations, and NW. in the west of France.
Variable over the eastern parts of England, NW. or W. in the north of Scotland, and over Scandinavia, Denmark, and Germany, strong to a gale in force on the eastern shores of the North Sea.

WEATHER

Fair or fine over Western Europe as a whole, but foggy or misty in places, and rainy in the south of Ireland and the southwest of England.
Rain is also falling at Haparanda and Christiansund.
Since yesterday morning rain has again fallen in most parts of our area, in the north and east of our Islands the amount has been small, but at Rockets Point there has been as much as 0·6 inch and at Valencia 0·7 inch.

SEA

Moderate to smooth

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

United Kingdom. The depression in the southwest is likely to spread eastwards and to occasion rain in many parts of the At present there are no indications of any serious increase in the force of the wind.

FORECASTS

For the 24 hours ending at NOON on 9th SEPT. 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	N. to E. winds, light; fair generally.
1	SCOTLAND EAST	Variable breezes, finally E.; fair at first, some rain later.
2	ENGLAND N.E.	
3	ENGLAND EAST	Wind shifting to the SE. or E.; fair at first, then dull and rainy.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	E. winds, light or moderate; fair at first, then dull and rainy.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Variable breezes, finally NW.; dull and rainy, some improvement later.
9	IRELAND NORTH	Same as Nos 6 and 7.
10	IRELAND SOUTH	E. to N. winds, moderate or fresh, dull and rainy at first, some improvement later.
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.66	53	50	NNW	8	o	5
Sumburgh Head	29.88	48	44	NW	4	bc	5
Stornoway	30.02	52	51	N	3	c	3
Aberdeen	29.99	54	47	NW	4	bc	3
Shields	30.03	52	47	NNE	3	c	3
Ardrossan	29.99	57	52	NW	2	bc	1
Malin Head ...	30.05	54	49	NNW	4	b	2
Belmullet	30.15	59	53	N	1	o	*
Holyhead	30.05	58	54	NW	3	bc	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.11	58	55	W	1	o	2
Scilly	30.12	59	55	NW	3	c	2
Jersey	30.10	63	58	W	4	bc	3
Hurst Castle ...	30.03	67	62	WSW	2	c	2
Dungeness ...	30.00	58	56	W	1	cp	1
North Foreland	30.04	58	53	WNW	2	c	1
London (Westminster)	30.01	61	54	WNW	1	o	*
Yarmouth ...	30.00	59	53	N	3	b	3
Rochefort ...	30.15	68	66	NW	3	c	*

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

Weather in morning fair or fine over the greater part of western, northern, and southern Europe, but dull at several of our more eastern and central stations, as well as in the southwest of France, with rain at Rochefort. Dull also in the west and south of Norway, and in Russia, Austria and Eastern Germany, with rain in several places. Showers falling later at most stations in the north and east of our Islands, heavy rain setting in at night in the south of Ireland.

Temperature fallen in most places. Morning readings highest 76° at Oran, 75° at Algiers, and 74° at Cagliari, Patras, and Malta; above 70° in many parts of southern Europe. Lowest 46° at Haparanda, Stockholm, Karlstad, Sumburgh Hd and Stornoway and 47° at Nairn and Shields: below 50° at several of our northern stations. Remaining below 55° all day on our extreme north and northwest coasts, but exceeding 60° at several of our central and southern stations, and reaching 67° at Hurst Castle. Exceeding 80° in the extreme south of France, and touching 88° at Lisbon.

Wind NW' over the greater part of western, northern and southern Europe; light or moderate in force generally, but blowing a strong gale on the east coast of Norway. Light to fresh from the W.ly or SW.ly over Germany and Austria; light from the S.ly over the greater part of Russia. Subsequently backing to the W.ly in many parts of England, and to the SW.ly or S.ly in the south of Ireland. No important change occurring elsewhere.

Barometer. highest 30·3 in. and upwards in an anticyclone lying off the Portuguese coasts. Lowest 29·1 in. and less. in a large depression lying over Finland and the northern parts of Scandinavia: 29·8 in. and less. in another disturbance over the Gulf of Genoa: 30·0 in. and less. in a very shallow system over North Wales. Northern depression subsequently moving eastwards, but new disturbance approaching the Irish 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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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 9th September, 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 ...	29.42	47	SW	0	0	29.58	+.24	49	48	+ 1	SW	0	†	*	0	*	52	45	0.32
	Hernösand ...	29.44	46	SW	0	b	29.57	+.29	49	48	- 1	NW	4	0	*	b	*	59	43	0.12
	Stockholm ...	29.47	48	N	4	b	29.62	+.31	47	45	- 3	W	1	b	*	b	*	57	46	0.08
	Wisby	29.55	56	NW	4	b	29.65	+.28	53	51	0	NW	4	b	*	b	*	57	50	-
	Karlstad ...	29.54	48	NW	2	b	29.70	+.28	46	43	- 4	NW	2	b	*	b	*	*	*	-
	Bodö	29.57	56	SW	0	c	29.74	+.36	50	48	+ 1	NW	4	0	1	c	*	52	45	-
	Christiansund ...	29.67	50	N	4	0	29.89	+.37	51	47	+ 2	N	4	bc	3	0	*	51	48	0.51
	Skudesnaes ...	29.74	51	NNW	6	c	29.87	+.22	51	48	+ 1	N	6	b	2	r.f.c	*	51	41	*
	Færder (Christiania Fjord)	†29.55	58	W	3	bc	29.76	+.27	53	48	- 1	NNW	3	b	2	bc	*	61	52	-
	Skagen (The Scaw)	29.59	58	SW	0	b	29.75	+.23	55	49	0	NE	3	b	0	b	*	61	52	-
	Fanö	29.81	52	NW	4	c	29.85	+.16	50	49	0	NW	4	r	*	c	*	57	50	0.20
	Sumburgh Head	29.92	44	NNE	2	c	30.07	+.22	45	42	0	NNE	1	0	3	bc.c	*	50	38	-
	Stornoway ...	29.98	53	ENE	3	bc	30.14	+.21	46	45	0	N	1	c	1	c.bc	6.0	54	41	-
	Wick	29.97	49	N	3	c	30.12	+.19	47	45	- 3	NW	2	bc	2	c	*	53	35	0.02
	Nairn	†29.97	51	WNW	1	r	30.13	+.17	45	44	0	W	0	bc	1	r	*	58	35	0.03
	Aberdeen ...	29.96	49	NNE	1	cgp	30.11	+.16	47	44	- 2	NW	2	bcw	3	bc.cgp	6.0	57	39	0.02
British Islands.	Leith	29.93	54	W	0	b	30.11	+.16	49	44	+ 2	ENE	3	0	*	b	*	60	43	-
	Shields	29.96	50	NE	1	c	30.09	+.12	46	44	- 2	NW	2	ebf	2	c.p	*	54	41	0.02
	Spurn Head ...	29.96	53	ENE	3	cv	30.03	+.07	54	52	+ 1	NNE	4	bv	4	cv	*	55	48	-
	York	29.95	54	E	1	bc	30.06	+.11	46	44	- 2	NNW	1	b	*	bc	5.5	58	36	-
	Loughborough ...	29.93	55	W	0	0	30.04	+.06	48	46	+ 1	NE	2	bmw	*	c.om.c.o	*	61	46	-
	Ardrossan ...	29.91	53	NE	1	bcm	30.07	+.14	50	47	0	NE	2	bcm	1	bcm	*	60	42	-
	Malin Head ...	29.94	52	E	3	b	30.08	+.13	55	52	+ 1	E	3	b	1	f.b	*	55	50	-
	Belmullet ...	29.88	56	E	1	bc	30.12	+.23	53	50	+ 1	E	1	b	*	o.bc	*	58	46	0.01
	Donaghadee ...	29.94	53	NNE	2	b	30.09	+.13	54	50	+ 4	ENE	5	b	3	b	*	57	48	-
	Liverpool (Bidston)	29.91	54	N	1	0	30.05	+.10	50	44	- 4	ENE	3	b	?	0	*	57	46	-
	Holyhead ...	29.90	54	ENE	2	0	30.03	+.07	52	50	0	ENE	2	b	1	0	*	56	49	-
	Parsonstown ...	29.85	52	SE	1	r	30.03	+.17	47	46	- 5	NW	1	b	*	or.o	0.0	54	41	0.22
	Valencia ...	29.75	58	W	0	rm	29.99	+.17	56	53	0	E	2	b	2	r.rm	0.0	60	51	0.36
	Roche's Point ..	29.78	56	SE	5	r	29.98	+.10	56	54	+ 1	E	4	c	4	r	*	57	51	0.36
	Pembroke (St. Ann's Hd.)	29.84	55	SW	4	r	29.94	+.01	55	52	+ 1	E	5	bc	4	or	0.0	57	52	0.38
	Scilly	29.83	59	W	3	f	29.82	-.05	58	58	- 1	N	1	c	3	r.f	0.0	61	56	0.10
	Prawle Point ...	29.85	55	ESE	2	f	29.87	-.09	52	51	+ 1	ENE	6	orm	5	orf	*	57	51	0.34
	Jersey (St. Aubin's)	29.88	61	W	5	odp	29.84	-.16	62	60	+ 6	W	3	cpm	3	r.d	*	62	55	0.41
	Hurst Castle ...	29.88	55	E	2	rm	29.91	-.06	55	54	+ 1	ENE	4	rm	3	om.rm	*	60	53	0.35
	Dungeness ...	29.92	57	ENE	1	p	29.93	-.01	51	49	- 2	E	5	r	4	o.p	*	62	49	0.14
	North Foreland	29.95	56	NE	2	c	29.97	+.04	54	52	- 4	E	2	p	2	bc.c	*	60	52	0.04
	London (Brixton) ...	29.91	57	E	1	og	29.99	+.03	51	50	- 2	ENE	2	ogm	*	og.r	0.0	60	51	0.21
	Oxford	29.91	55	SE	2	r	29.99	+.01	50	49	- 2	ENE	3	o	*	c.r	*	61	49	0.18
	Cambridge ...	29.92	58	SSW	1	om	30.01	+.03	53	51	+ 6	ENE	2	o	*	c.om	5.4	64	46	0.01
	Yarmouth ...	29.94	56	ESE	3	c	29.97	+.03	55	50	+ 3	NNE	4	bcv	4	cv.c	*	57	50	0.09
Germany & Holland.	Cuxhaven ...	29.86	54	NW	2	c	29.89	+.08	51	50	0	NNW	1	b	*	c.r	*	59	46	0.12
	Berlin	29.90	50	W	3	b	29.95	+.07	51	49	+ 2	W	2	b	*	b	*	59	46	0.20
	Wiesbaden ...	*	*	*	*	*	29.93	-.09	53	51	+ 1	SW	0	r	*	*	*	61	52	0.16
	Munich	30.07	52	SW	3	0	30.01	-.08	54	52	+ 5	SSW	3	c	*	0	*	59	48	-
	The Helder ...	29.93	55	NW	2	bc	29.95	+.02	54	49	0	NW	1	c	1	bc	*	57	54	-
Belgium.	Brussels ...	*	*	*	*	*	29.96	+.01	47	46	- 1	ENE	2	r	*	0	*	?	?	0.20
	Cape Gris Nez ...	29.91	60	E	1	m	29.90	-.02	49	48	- 1	ESE	4	o	4	m	*	61	48	0.24
	Paris	29.98	58	SW	2	0	29.88	-.14	55	54	+ 2	SSW	2	o	*	o	*	62	53	0.16
	Brest	29.93	59	SW	2	f	29.78	-.19	59	58	0	S	2	c	2	f	*	64	54	-
	Lorient	29.96	61	W	5	o	29.86	-.17	60	60	+ 1	SW	1	c	2	o	*	66	43	0.04
France &	Rochefort ...	30.02	66	W	4	0	29.89	-.24	63	60	0	W	3	r	*	bc.o	*	72	59	0.51
	Belfort	30.00	57	WSW	5	0	29.93	-.14	55	54	+ 1	W	3	m	*	o	*	65	48	-
	Lyons	30.04	62	E	1	b	29.99	-.08	57	54	+ 2	SE	1	bc	*	b	*	69	52	-
	Nice	30.12	67	SW	1	b	29.97	+.11	67	55	- 2	W	0	0	1	b	*	81	59	-
	Perpignan ...	30.02	73	NW	2	c	29.95	-.11	61	61	- 5	W	0	0	*	c	*	82	?	-
	Biarritz ...	30.04	68	WSW	2	c	29.91	-.19	63	62	- 1	W	0	0	2	c	*	73	61	0.08
Peninsula.	Corunna ...																*			
	Lisbon	30.08	65	NNW	4	c	30.10	+.01	67	59	+ 3	NNE	5	c	*	c	*	73	64	-
	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 7.5 hrs;

WEATHER CHARTS

FOR ..... Thursday, 9th September, 1897.

BAROMETER, WIND AND SEA.

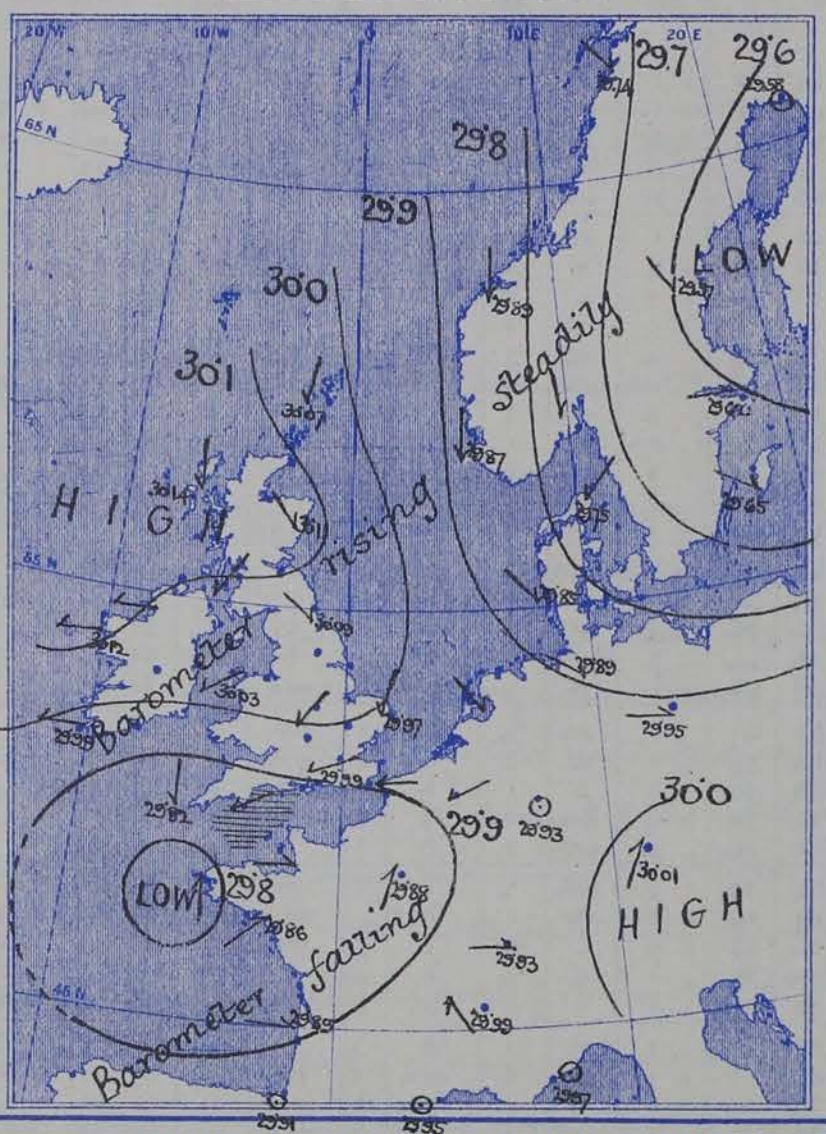
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

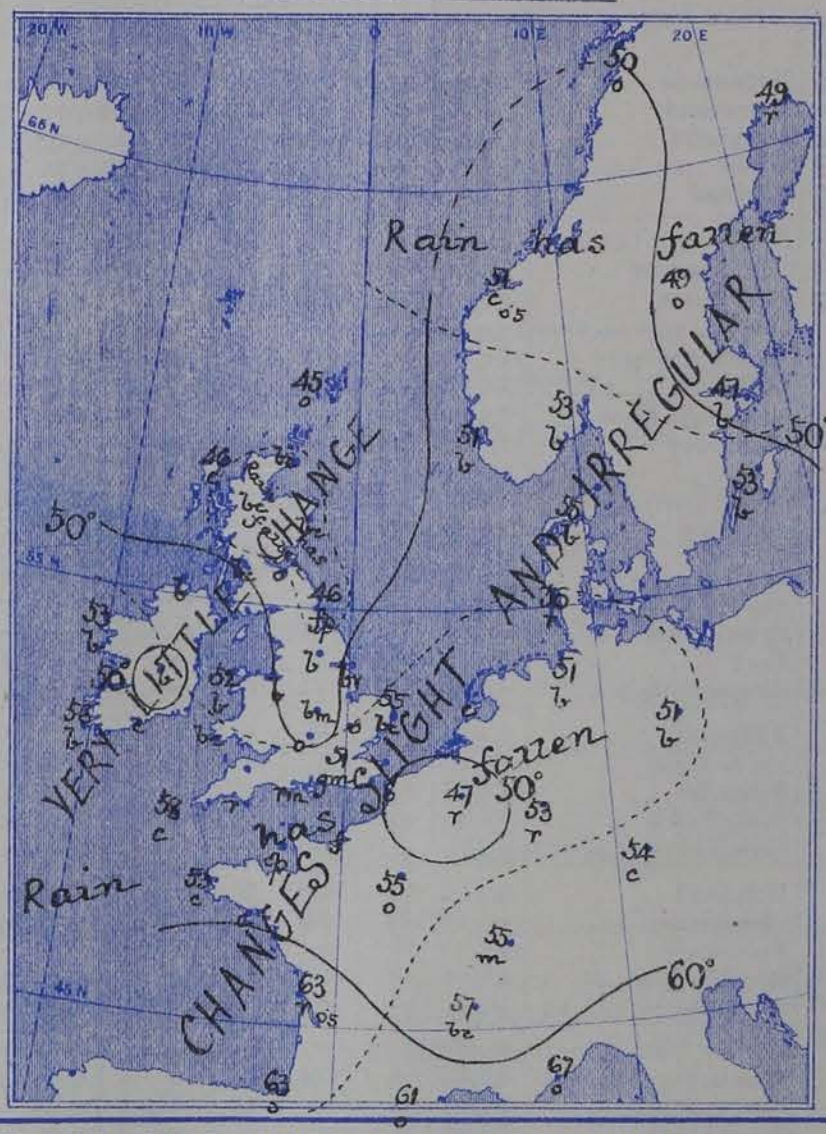


TEMPERATURE & WEATHER.

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 SEPTEMBER.*

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	--	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* 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 Scotland and the extreme northwest of Ireland, and also in another system off the Portuguese coasts.
Lowest, 29·6 ins: and less in a depression over the Gulf of Bothnia, 29·8 ins: and less, in a small shallow system lying at the mouth of the English Channel.
Gradients slight. Barometer rising at all but the French stations.

TEMPERATURE — Highest, 67° at Nice and Lisbon, 63° at Rochefort and Biarritz, 62° at Jersey, and 61° at Perpignan.
Lowest, (1) 45° at Lerwick Head and Nairn, and 46° at Stornoway, Shields, and York; (2) 46° at Karlstad and 47° at Stockholm.
The maxima registered yesterday were below 55° on several parts of our north and northeast coasts, and below 60° at all but our central and southern stations.

WIND — Light to fresh from the E.ly or NE.ly over all the more western and southern parts of our Islands; light from the SW.ly over the north of France; calm in the south of France.
NW.ly over the northeast coasts of Great Britain, as well as in Scandinavia and Denmark, and fresh in force in the west of Norway.

WEATHER — Rainy in the extreme south of England, as well as at Brussels, Wiesbaden, and Rochefort; dull over nearly the whole of France.
Fine in most other parts of Western Europe, but dull over the northern parts of Scandinavia, with rain at Haparanda.
Rain fell yesterday in the south of our Islands generally, as well as at many of the Continental stations; showers were experienced also in the northeastern parts of Great Britain.

SEA — Moderate to smooth generally, but rather rough at Prawle Point.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression noticed yesterday over the southwest of our Islands has moved southeastwards, and is now passing away towards France. An anticyclone is spreading over the country from the northward, and improving weather is likely over our southern districts.

FORECASTS

For the 24 hours ending at NOON on 10th SEPT: 1897.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	N.ly winds, light; fair generally.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES	N.ly and NE.ly winds, light or moderate; fair generally, but local showers.
5 ENGLAND SOUTH	E.ly and NE.ly winds, fresh; cloudy and showery at first, then fair.
6 SCOTLAND WEST 7 ENGLAND N.W.	NE.ly winds, light; fine generally.
8 ENGLAND S.W.	Same as No. 5.
9 IRELAND NORTH 10 IRELAND SOUTH	E.ly and NE.ly winds, moderate; fine generally.
WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.74	50	49	NNW	6	rf	4
Sumburgh Head	29.94	48	42	N	3	bc	4
Stornoway	29.96	53	52	E	3	o	3
Aberdeen	29.95	56	48	NW	2	bc	3
Shields	29.98	53	48	NE	2	c	3
Ardrossan	29.94	59	57	NE	2	bcm	1
Malin Head ...	29.94	54	50	E	2	f	1
Belmullet	29.89	57	53	ESE	2	o	1 *
Holyhead	29.92	55	52	E	2	o	1 *

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.79	59	58	SSE	2	r	3
Scilly	29.86	60	59	WSW	3	r	2
Jersey	29.91	62	62	WSW	3	r	3
Hurst Castle ...	29.93	60	58	SSW	2	om	1
Dungeness ...	29.94	61	55	SSW	1	o	0
North Foreland	29.96	59	54	NNE	2	bc	2
London (Westminster)	29.94	59	53	Z	0	og	*
Yarmouth ...	29.94	57	56	ENE	3	cf	3
Rochefort ...	30.13	68	66	NW	4	bc	*

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

Weather in morning fair or fine over Europe as a whole, but foggy or misty in several parts of our Islands and France, and raining in the south of Ireland and the southwest of England. Dull over the northern parts of Russia and Scandinavia, with rain at Haparanda and Christiansund. Rain falling later over the southern parts of our Islands generally, as well as at many of the Continental stations; showers experienced also on the northeast coasts of Great Britain.

Temperature fallen generally, but risen in Scandinavia and also over southern Italy. Morning readings highest 80° at Palma, 78° at Lesina and Algiers, and 75° at Brindisi, Palermo, and Malta; above 65° in many parts of southern Europe. Lowest (1) 43° at Riga and St Petersburg, and 48° at Haparanda; (2) 45° at Sumburgh Head and Nairn, and 46° at Stornoway; below 50° over the northern and central parts of Great Britain generally. Daily maxima below 60° in all but the central and southern parts of our Islands, and very little above it even in the extreme south. Thermometer exceeding 70° over all the more southern parts of France, and reaching 82° at Perpignan.

Wind light to moderate from the E^ly or SE^ly on most parts of our western coasts, but W^ly in the English Channel and NW^ly in the west of France; variable over eastern and central England. NW^ly in the north of Scotland and also in Scandinavia and Denmark; strong to a gale on the eastern shores of the North Sea, as well as at Wisby. W^ly in Germany and Austria; S^ly over the northern parts of Russia. Variable in Italy, N^ly over the Spanish Peninsula. Subsequently shifting to the E^ly or NE^ly in nearly all parts of our Islands; gales on eastern shores of the North Sea moderating gradually.

Barometer highest 30·1 ins. and upwards in an anticyclone lying over the Bay of Biscay and the neighbouring parts of France and Spain. Lowest 29·3 ins. and less. in a depression over Finland and the Gulf of Bothnia; 29·9 ins. and less. in a shallow disturbance over the southeastern parts of the United Kingdom. Latter system subsequently spreading eastwards, but centre finally moving away in a southeasterly direction towards France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Friday, 10th September, 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 ...	29.81	45	S	0	bc	29.96	+.38	46	44	- 3	N	2	b	*	bc	*	55	41	0.08
	Hernösand ...	29.84	53	NW	4	b	30.04	+.47	50	46	+ 1	NW	4	bc	*	b	*	59	39	-
	Stockholm ...	29.82	48	SW	2	b	30.02	+.40	50	48	+ 3	NW	4	o	*	b	*	57	43	-
	Wisby	29.84	54	NNW	4	bc	30.01	+.36	53	52	0	N	4	bc	*	bc	*	57	50	0.04
	Karlstad ...	29.92	50	NNW	2	b	30.11	+.41	48	44	+ 2	NNW	4	b	*	b	*	*	*	-
	Bodö	29.96	47	W	4	r	30.13	+.39	47	45	- 3	W	4	c	1	r	*	52	45	0.16
	Christiansund ...	30.11	50	N	3	r	30.24	+.35	49	46	- 2	SW	4	r	3	r	*	52	46	0.39
	Skudesnaes ...	30.02	53	N	6	b	30.24	+.37	51	50	0	N	6	b	2	b	*	59	48	*
	Færder (Christiania Fjord)	29.93	60	N	2	b	30.16	+.40	54	48	+ 1	NE	4	b	2	b	*	61	52	-
	Skagen (The Scaw)	29.97	56	N	1	b	30.13	+.38	54	49	- 1	NE	3	b	0	b	*	61	52	-
	Fanö	29.99	49	NE	1	b	30.13	+.28	49	48	- 1	NE	1	b	*	b	*	59	43	0.12
British Islands	Sumburgh Head	30.19	47	NNE	1	c	30.31	+.24	51	46	+ 6	NNW	1	c	3	c	*	51	43	-
	Stornoway ...	30.23	52	E	2	o	30.32	+.18	46	46	0	S	0	bc	0	c.o	2.4	55	40	-
	Wick	30.25	51	NW	2	o	30.37	+.25	52	50	+ 5	N	2	c	1	o	*	54	45	-
	Nairn	30.23	50	E	2	c	30.37	+.24	50	48	+ 5	W	1	b	1	c	*	56	39	0.01
	Aberdeen ...	30.23	47	N	2	bc	30.38	+.27	50	46	+ 3	NW	1	c	1	cq.p.bc	6.4	53	41	0.01
	Leith	30.21	54	E	1	o	30.38	+.27	48	45	- 1	N	1	m	*	o	*	59	40	-
	Shields	30.20	50	N	3	c	30.37	+.28	48	46	+ 2	NNW	2	of	3	c.r	*	53	44	0.03
	Spurn Head ...	30.13	52	N	5	bv	30.28	+.25	56	53	+ 2	N	4	bc	4	bv,p	*	57	49	-
	York	30.18	52	NNW	2	bc	30.35	+.29	49	47	+ 3	NNW	1	o	*	bc	7.6	57	41	-
	Loughborough ...	30.16	53	NE	3	b	30.33	+.29	44	44	- 4	S	0	bcmw	*	bc.bm	*	60	36	-
	Ardrossan ...	30.18	54	NE	2	bc	30.35	+.28	48	45	- 2	NE	1	bm	0	bc	*	56	38	-
	Malin Head ...	30.20	53	E	2	b	30.33	+.25	54	51	- 1	S	2	bm	1	b	*	58	46	-
	Belmullet ...	30.21	55	ENE	1	b	30.34	+.22	51	48	- 2	ESE	1	b	*	b	*	60	46	-
	Donaghadee ...	30.21	54	NNW	3	b	30.38	+.29	53	50	- 1	E	3	b	1	b	*	58	38	-
	Liverpool (Sidston)	30.17	54	NNE	2	b	30.37	+.32	47	44	- 3	NE	1	bc	?	bm	*	58	42	-
	Holyhead ...	30.18	54	NE	2	b	30.35	+.32	50	47	- 2	ESE	1	cm	1	b	*	59	43	-
	Parsonstown ...	30.17	56	E	1	b	30.34	+.31	42	41	- 5	S	0	b	*	b	10.1	62	34	-
	Valencia ...	30.13	62	SE	1	cm	30.31	+.32	50	48	- 6	E	1	bmw	1	b.cm	10.7	65	44	0.01
	Roche's Point ..	30.15	57	ESE	4	b	30.27	+.29	52	50	- 4	NNW	3	bm	3	b	*	62	46	-
	Pembroke (St. Ann's Hd.)	30.10	57	E	3	b	30.33	+.39	50	48	- 5	ESE	3	b	2	b	8.9	61	45	-
	Scilly	30.05	58	ENE	4	c	30.24	+.42	55	50	- 3	ENE	4	b	2	o,c	1.4	61	50	-
	Prawle Point ...	30.05	55	ENE	5	c	30.27	+.40	51	48	- 1	ENE	5	bc	4	cq.c	*	56	42	-
	Jersey (St. Anbin's)	29.97	59	ENE	6	c	30.19	+.35	58	53	- 4	NE	5	bm	4	dp.c,p	*	62	53	0.02
	Hurst Castle ...	30.06	57	NE	3	bcm	30.25	+.34	50	47	- 5	NNE	3	bm	2	cm.bcm	*	61	42	0.02
	Dungeness ...	30.02	56	NE	5	cqr	30.17	+.24	54	52	+ 3	NNE	3	c	2	c.cqr	*	58	46	0.03
	North Foreland	30.09	55	N	5	bc	30.20	+.23	56	54	+ 2	NNW	5	b	4	r.bc.b	*	58	50	0.17
	London (Brixton) ...	30.09	55	NE	3	bc	30.26	+.27	49	47	- 2	NE	3	bw	*	or c.bw	1.4	60	43	0.02
	Oxford	30.17	48	NE	2	b	30.30	+.31	49	47	- 1	N	2	bw	*	c.b	*	59	38	-
	Cambridge ...	30.14	52	NNE	3	b	30.28	+.27	50	49	- 3	N	2	bw	*	b	6.7	62	39	-
	Yarmouth ...	30.07	55	N	4	cv	30.23	+.26	57	53	+ 2	NNE	5	bc	4	bc.cv	*	58	50	0.03
Germany & Holland	Cuxhaven ...	29.95	54	NW	2	b	30.10	+.21	53	52	+ 2	NE	1	b	*	b	*	59	50	0.04
	Berlin	29.97	55	S	0	o	30.06	+.11	51	48	0	NW	2	b	*	o	*	61	48	-
	Wiesbaden ...	*	*	*	*	*	30.06	+.13	51	48	- 2	N	4	bc	*	*	*	55	48	0.24
	Munich	29.94	59	S	0	o	29.98	-.03	55	54	+ 1	NE	2	o	*	o	*	68	54	0.05
	The Helder ...	30.02	55	N	2	bc	30.14	+.19	58	54	+ 4	NNE	3	b	2	bc	*	58	54	-
Belgium. France &	Brussels ...	*	*	*	*	*	30.16	+.20	49	48	+ 2	NNW	1	f	*	b	*	54	44	0.04
	Cape Gris Nez ...	30.00	55	E	4	c	30.13	+.23	53	52	+ 4	E	2	o	2	c	*	57	48	0.08
	Paris	29.96	53	NE	2	o	30.07	+.19	48	48	- 7	NNE	3	b	*	o	*	62	44	-
	Brest	29.96	61	NE	1	b	30.19	+.41	54	50	+ 5	ENE	2	bc	2	b	*	68	48	-
	Lorient	29.87	64	E	2	c	30.08	+.22	52	50	- 8	NE	5	b	4	c	*	68	39	0.16
	Rochefort ...	29.88	64	ENE	4	c	29.97	+.08	55	53	- 8	NNE	6	o	*	r.c	*	68	52	1.26
	Belfort	29.87	59	N	5	o	29.96	+.03	48	47	- 7	E	2	r	*	o	*	68	47	0.28
	Lyons ...	29.92	60	NNW	1	r	29.88	-.11	57	57	0	NNE	1	r	*	r	*	76	?	0.91
	Nice	29.89	68	S	0	c	29.86	-.11	69	60	- 4	E	5	r	4	c	*	79	61	0.04
	Perpignan ...	29.83	76	NE	1	o	29.87	-.08	61	59	0	SW	1	o	*	o	*	76	57	0.24
	Biarritz ...	29.89	66	NW	5	r	29.85	-.06	61	59	- 2	W	5	r	3	r	*	72	57	1.58
Peninsula.	Corunna ...																*			
	Lisbon	30.09	65	NNW	4	b	30.08	-.02	63	57	- 4	N	4	b	*	b	*	72	59	-
	Azores (P. Delgada)	11	70	SSW	4	r	30.10	-.01	68	65	- 2	NNE	4	c	3	r	*	75	66	0.16

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

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

Bright Sunshine yesterday Southport 9.9 hrs;

WEATHER CHARTS

FOR Friday, 10th September, 1897.

BAROMETER, WIND AND SEA.

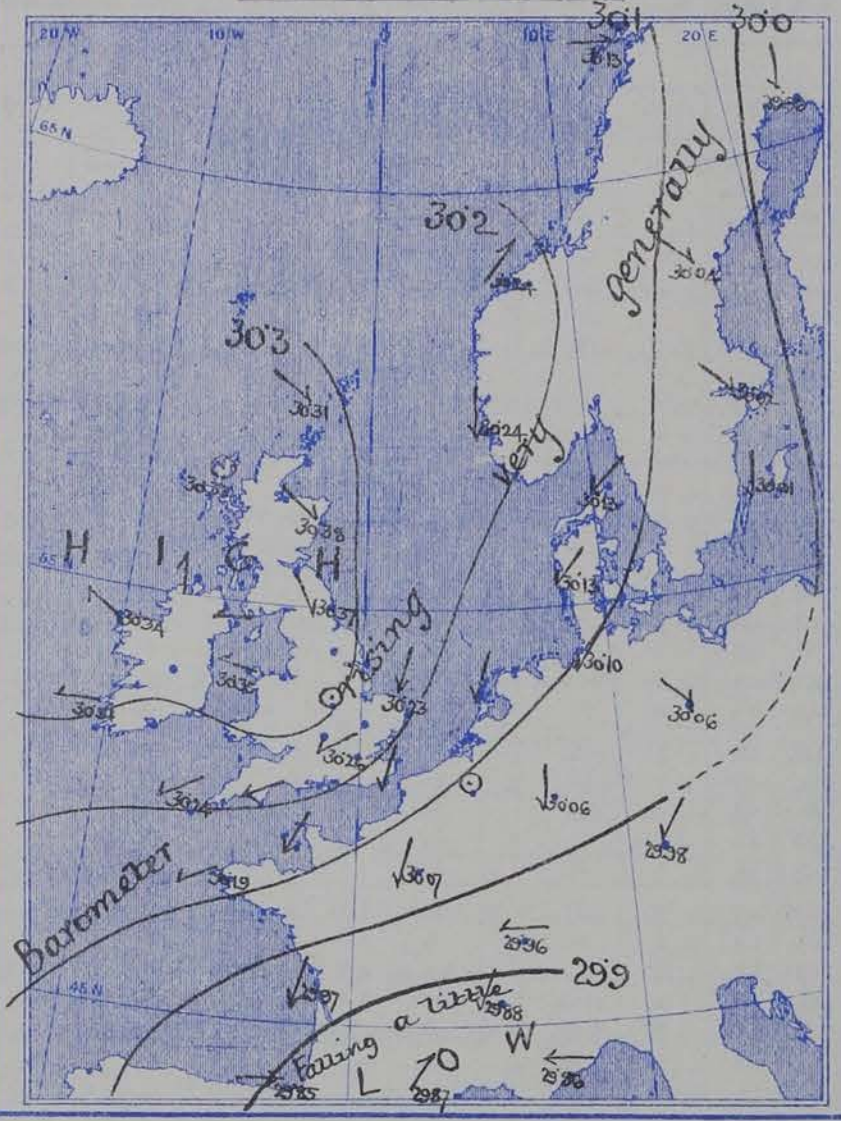
BAROMETER—Isobars are drawn for each tenth of an inch.

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*

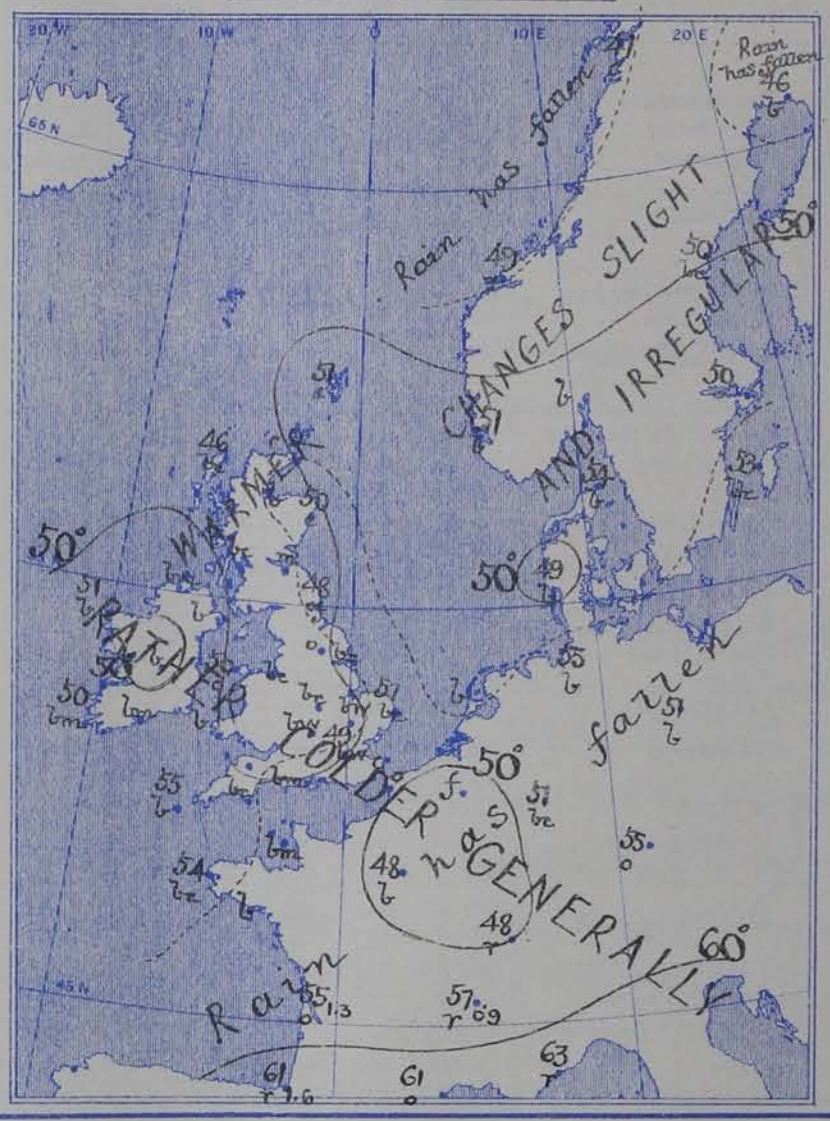


TEMPERATURE & WEATHER.

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 SEPTEMBER.

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89. 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins: and upwards, in an anticyclone lying over Ireland and all the more northern parts of Great Britain.
Lowest, 29·9 ins: and less, in a shallow depression over the south of France.
Gradients slight. Barometer rising generally, but falling a little in the extreme south of France.

TEMPERATURE

Highest, 63° at Nice and Lisbon, 61° at Biarritz and Perpignan, 58° at Jersey and the Helder, and 57° at Yarmouth and Lyons.
Lowest, (1) 42° at Parsonstown, 44° at Loughborough, and 47° at Liverpool; (2) 46° at Haparanda and 47° at Bodö; (3) 48° at Paris and Belfort.
Ground frost occurred last night over the central parts of England and Ireland; at Loughborough the exposed thermometer fell to 29°, and at Oxford to 31°.

WIND

Light to fresh from the N.W. or the east coasts of Great Britain, as well as in Sweden, Denmark, Germany, and the south of Norway, but W. or SW. in the west of Norway
E. or NE. in the west and south of our Islands and the northern parts of France, and fresh in force at some of the English Channel stations; W. at Biarritz and Perpignan.

WEATHER

Fine over western Europe generally, but dull in the northeast of England, with fog at the mouth of the Tyne.
Dull and rainy in the east and south of France and also at Christiansund.
A little rain fell yesterday in the east and south of our Islands, and larger quantities at many of the Continental stations; at Rochefort there was as much as 1·3 ins:, and at Biarritz 1·6 ins:

SEA

Moderate on our south and east coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone continues to spread southwards and eastwards, and fine weather is likely to prevail for a time in most districts, with cold nights, but with higher day temperatures than of late.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW. to W. winds, moderate; fair generally.
1	SCOTLAND EAST	NW. winds, light; fair generally.
2	ENGLAND N.E.	
3	ENGLAND EAST	N. and NE. winds, light or moderate; fair generally, cold at night, with local fogs.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	NE. winds, light; fair generally, but some mist or fog.
7	ENGLAND N.W.	
8	ENGLAND S.W.	E. and NE. winds, moderate; fine generally
9	IRELAND NORTH	Same as Nos. 6 and 7.
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.9H	58	52	N	7	b	2
Sumburgh Head	30.15	49	44	NW	2	c	3
Stornoway	30.20	55	54	E	2	c	2
Aberdeen	30.19	50	45	NNE	4	c q r	4
Shields	30.16	52	47	N	2	c	3
Ardrossan	30.13	?	51	NE	2	bc	1
Malin Head ...	30.17	56	53	E	3	b	1
Belmullet	30.18	59	52	ENE	1	b	*
Holyhead	30.13	56	51	NE	3	b	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.09	69	56	NE	2	b	3
Scilly	29.96	58	55	E	5	o	3
Jersey	29.92	60	57	NE	4	c	3
Hurst Castle ...	30.00	59	54	ENE	3	c m	3
Dungeness ...	29.98	57	52	ENE	4	c	3
North Foreland	30.02	57	52	N	3	c	3
London (Westminster)	30.03	58	52	ENE	2	o	*
Yarmouth ...	30.04	57	52	NNE	4	bc	4
Rochefort ...	29.87	64	62	SE	3	r	*

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

Weather in morning rainy in the extreme south of England, as well as in Belgium and the southern parts of Germany; dull in France, with rain at Rochefort. Fine in nearly all other parts of Europe, but dull over the northern parts of Russia and Scandinavia, with rain at Haparanda. Weather improving later in the south of England, but showers falling on the east and south east coasts of Great Britain. Heavy rain occurring over the southern parts of France — as much as 1 Gin. at Biarritz.

Temperature fallen in Russia and Italy, changed little and irregularly elsewhere. Morning readings highest 77° at Algiers, 76° at Brindisi and 74° at Athens; above 65° in most parts of southern Europe. Lowest (1) 48° at Lerwick, Ht and Nairn, and 46° at Stornoway, Shields, and York; (2) 45° at Munster, and 46° at Karlstad, St. Petersburg, Riga, Warsaw, and Kiew. Daily maxima below 55° on several parts of our own northern coasts, and very little above 60° even in the central and southern districts, thermometer exceeding 70° in the south of France and reaching 79° at Nice.

Wind light to fresh from the E.ly or NE.ly in the west and south of our Islands, but SW. over the northern parts of France. N. or NW. on the northeast coasts of Great Britain, as well as in Scandinavia and Denmark, and fresh in force in the west of Norway; light from the W.ly or SW.ly in Germany and from the S.ly over the northern parts of Russia. Calm or variable over southern Europe as a whole, but NE. over the Spanish Peninsula. Subsequently shifting to the NE.ly over the northern parts of France; no important change occurring elsewhere.

Barometer highest 30·1 in. and upwards in an anticyclone lying over Scotland and the extreme northeast of Ireland, and also in another system off the Portuguese coasts. Lowest 29·6 in. and less, in a large depression over Finland and the Gulf of Bothnia, 29·8 in. and less, in a smaller disturbance lying at the mouth of the English Channel. Anticyclone over Scotland subsequently spreading southwards; Channel depression moving southeastwards over France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 11th September, 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 ...	30·09	48	SW	0	b	30·09	+·13	44	41	- 2	W	4	c	*	b	*	57	37	-
	Hernösand ...	30·24	45	SW	0	b	30·33	+·29	50	45	0	SW	4	b	*	b	*	61	45	-
	Stockholm ...	30·28	50	N	2	b	30·40	+·38	48	46	- 2	SW	0	b	*	b	*	58	43	-
	Wisby	30·25	53	N	4	b	30·41	+·40	55	51	+ 2	NNE	4	b	*	b	*	57	50	-
	Karlstad ...	30·15	48	N	2	b	30·43	+·32	44	42	- 4	N	2	b	*	b	*	*	*	-
	Bodö	30·17	47	SW	1	0	30·20	+·07	50	48	+ 3	SW	6	r	4	0	*	50	45	0·47
	Christiansund ...	30·34	49	WSW	4	0	30·38	+·14	50	47	+ 1	SW	3	0	3	0	*	50	48	0·24
	Skudesnaes ...	30·34	52	N	4	b	30·50	+·26	50	47	- 1	NNE	2	c	1	b	*	59	46	*
	Færder (Christiania Fjord)	30·27	58	NW	2	b	30·39	+·23	55	54	+ 1	W	0	b	1	b	*	58	54	-
	Skagen (The Scaw)	30·38	55	NE	1	b	30·42	+·29	55	52	+ 1	W	0	b	0	b	*	59	46	-
	Fanö	30·31	50	W	0	b	30·41	+·28	48	47	- 1	W	0	b	*	b	*	64	45	-
British Isles.	Sumburgh Head	30·37	51	W	1	0	30·35	+·04	52	50	+ 1	S	1	c	1	0	*	55	44	-
	Stornoway ...	30·32	57	SSW	3	bc	30·32	·00	53	52	+ 1	SSW	4	c	4	c, bc	10·5	58	41	-
	Wick	30·31	50	E	1	bc	30·39	+·02	54	53	+ 2	W	1	bc	1	bc	*	57	40	-
	Nairn	30·38	54	W	0	bc	30·39	+·02	48	47	- 2	W	0	bc	1	bc	*	58	38	-
	Aberdeen ...	30·42	48	E	1	bc	30·43	+·05	52	48	+ 2	S	2	bw	1	0q, bc	1·6	53	40	-
	Leith	30·39	53	E	1	b	30·43	+·05	45	43	- 3	W	0	m	*	b	*	50	39	-
	Shields	30·44	51	N	2	c	30·48	+·11	47	45	- 1	NW	1	0f	2	c	*	54	43	-
	Spurn Head ...	30·36	53	N	4	cv	30·43	+·15	58	56	+ 2	NE	3	bv	3	cv	*	58	51	-
	York	30·39	54	N	2	c	30·47	+·12	50	48	+ 1	NW	1	0	*	0·c	0·6	56	40	-
	Loughborough ...	30·38	54	NE	2	c	30·47	+·14	46	46	+ 2	NW	1	cmw	*	c, b, cm	*	60	36	-
	Ardrossan ...	30·36	56	NW	1	bcm	30·42	+·07	49	46	+ 1	NE	1	bcm	0	bm, bcm	*	56	42	-
	Malin Head ...	30·35	57	S	3	bm	30·36	+·03	52	51	- 2	S	4	bm	2	bc, bm	*	60	46	-
	Belmullet ...	30·32	60	SSE	1	b	30·37	+·03	53	51	+ 2	SSE	2	b	*	b	*	63	47	-
	Donaghadee ...	30·44	54	ESE	1	b	30·44	+·06	50	49	- 3	SW	3	bc	1	b	*	58	38	-
	Liverpool (Bidston)	30·38	54	NE	2	m	30·46	+·09	49	46	+ 2	E	1	bc	?	m	*	57	44	-
	Holyhead ...	30·38	54	NE	2	b	30·44	+·09	50	48	0	W	0	cm	0	bc, b	*	57	44	-
	Parsonstown ...	30·34	58	SE	1	bc	30·41	+·07	46	45	+ 4	W	0	b	*	bc	10·0	62	38	-
	Valencia ...	30·32	59	S	3	bcm	30·39	+·08	59	51	+ 3	ENE	1	bm	2	bm, bcm	10·0	64	45	-
	Roche's Point ...	30·36	57	ESE	4	bm	30·41	+·14	52	50	0	N	2	b	3	b	*	61	44	-
	Pembroke (St. Ann's Hd.)	30·32	54	NE	3	b	30·41	+·08	50	48	0	ESE	4	bm	2	b	11·1	57	48	-
	Scilly	30·31	56	NE	3	b	30·36	+·12	57	54	+ 2	E	3	b	5	b	11·4	57	49	-
	Prawle Point ...	30·29	55	ENE	4	b	30·39	+·12	54	51	+ 3	ENE	4	b	3	b	*	60	44	-
	Jersey (St. Aubin's)	30·24	61	ENE	5	bc	30·35	+·16	60	57	+ 2	NE	4	bcm	3	bc	*	62	55	-
	Hurst Castle ...	30·27	59	NE	2	b	30·38	+·13	53	50	+ 3	NE	3	bm	2	b	*	64	46	-
	Dungeness ...	30·26	57	NNE	5	c	30·36	+·19	60	54	+ 6	ENE	5	bc	4	bc, c	*	63	51	0·02
	North Foreland	30·30	57	NNW	6	cp	30·39	+·19	62	59	+ 6	NE	4	bc	3	c, cp	*	61	55	0·02
	London (Brixton) ...	30·32	56	NNE	3	b	30·40	+·14	52	50	+ 3	ENE	2	bw	*	bc, bw	7·3	65	45	-
	Oxford	30·39	47	NE	2	b	30·44	+·14	49	47	0	NNE	3	b	*	b	*	60	38	-
	Cambridge ...	30·35	54	NNE	3	b	30·44	+·16	49	48	- 1	N	1	bw	*	b	9·5	63	41	-
	Yarmouth ...	30·30	57	NNE	4	cv	30·39	+·16	60	55	+ 3	NE	4	b	4	cv	*	60	54	-
Germany & Holland.	Cuxhaven ...	30·21	59	NNE	3	b	30·38	+·28	54	54	+ 1	NE	1	bw	*	b	*	63	52	-
	Berlin	30·18	56	NE	1	bc	30·34	+·28	50	48	- 1	NE	3	b	*	bc	*	61	46	0·04
	Wiesbaden ...	*	*	*	*	*	30·27	+·21	52	49	+ 1	W	0	b	*	*	*	61	48	-
	Munich	30·14	48	W	0	r	30·19	+·20	48	48	- 7	NE	5	0	*	r	*	55	46	0·35
	The Helder ...	30·27	57	NNE	2	b	30·39	+·25	58	55	0	NE	2	b	1	b	*	61	55	-
Belgium.	Brussels ...	*	*	*	*	*	30·36	+·20	50	48	+ 1	ENE	2	b	*	b	*	64	44	-
	Cape Gris Nez ...																*			
	Paris	30·15	56	N	2	b	30·26	+·19	49	48	+ 1	NNE	3	b	*	b	*	63	46	-
	Brest	30·05	59	ENE	2	b	30·28	+·09	57	54	+ 3	NE	2	b	2	b	*	63	48	-
	Lorient	30·16	62	NE	5	b	30·26	+·18	54	51	+ 2	ENE	5	b	4	b	*	68	43	-
France &	Rochefort ...	30·05	61	NE	5	bc	30·11	+·14	54	51	- 1	NE	4	b	*	bc	*	66	50	-
	Belfort	30·04	50	NE	6	0	30·10	+·14	48	44	0	NE	6	c	*	0	*	60	46	0·04
	Lyons	29·97	62	NNW	3	r	30·03	+·15	48	47	- 9	N	2	0	*	r	*	57	47	0·59
	Nice	29·86	64	SW	1	bc	29·90	+·04	62	58	- 1	E	1	0	0	bc	*	70	59	0·04
	Perpignan ...	29·85	64	W	1	0	29·95	+·08	62	57	+ 1	W	1	b	*	0	*	74	56	-
	Biarritz ...	29·90	61	N	5	r	29·99	+·14	57	54	- 4	SE	2	0	1	r	*	68	59	0·32
Peninsula.	Corunna ...																*			
	Lisbon	30·02	63	NNW	5	b	29·96	-·12	66	60	+ 3	NNW	4	b	*	b	*	72	61	-
	Azores (P. Delgada)	30·08	68	NE	3	c	30·04	-·06	70	64	+ 2	SW	4	b	3	c	*	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 7.7 hrs;

WEATHER CHARTS

FOR Saturday, 11th September, 1897.

BAROMETER, WIND AND SEA.

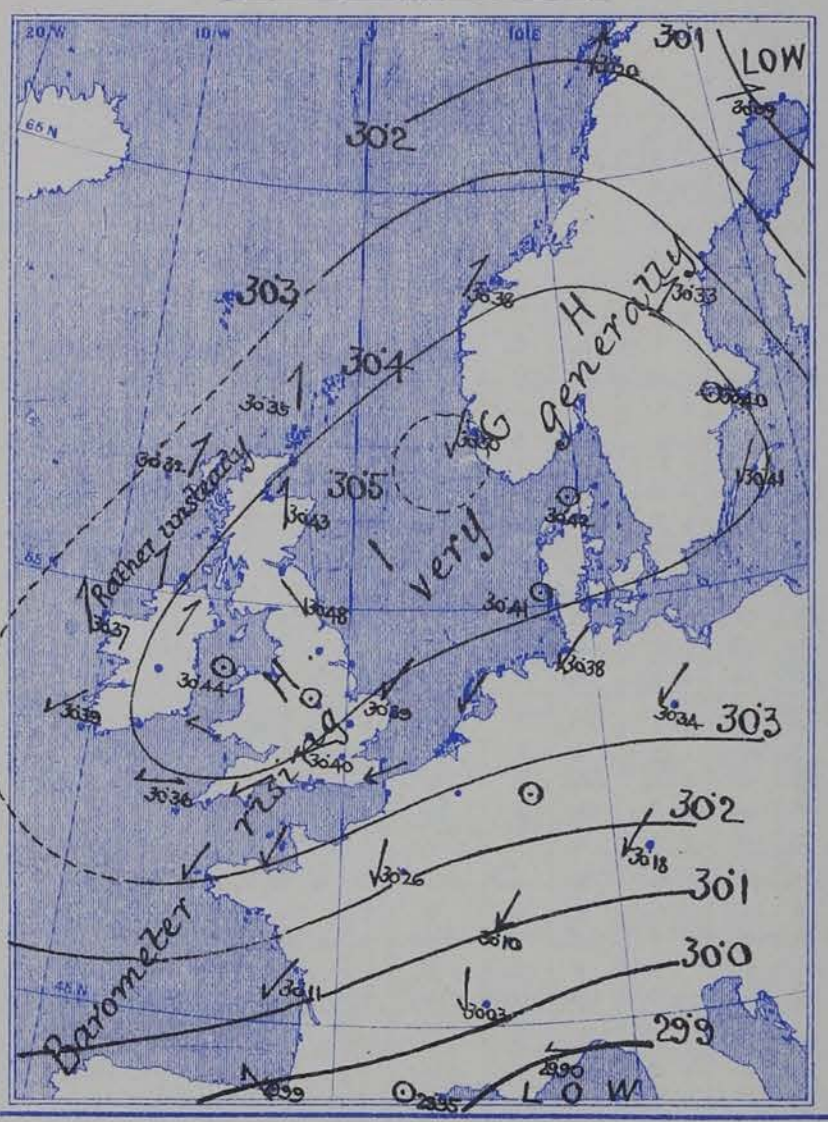
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

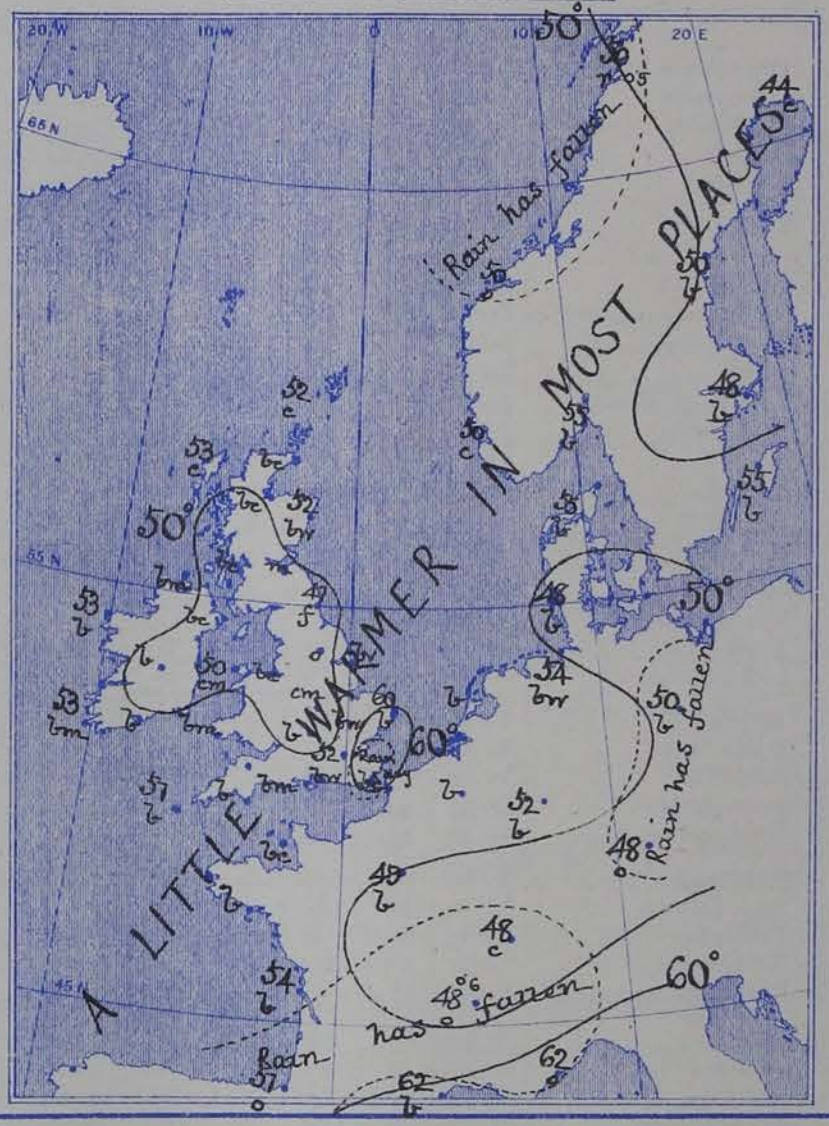


TEMPERATURE & WEATHER.

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 SEPTEMBER.

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89. 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* 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, 30·50 ins: at Skudesnaes; 30·4 ins: and upwards, in an anticyclone covering the greater part of our Islands, the North Sea, Denmark, and the south of Scandinavia.
Lowest, 29·9 ins: and less, in a depression lying off the south of France, 30·1 ins: and less over Lapland
Gradients slight, especially over our Islands and the North Sea.
Barometer rising generally, but rather unsteady on our more extreme north and northwest coasts.

TEMPERATURE

Highest (1) 66° at Lisbon, and 62° at Nice and Perpignan; (2) 62° at the North Foreland, and 60° at Dungeness and Yarmouth.
Lowest, (1) 44° at Haparanda and Karlstad; (2) 45° at Leith and 46° at Loughborough and Parsonstown; (3) 48° at Brest, Lyons and Munich.
During yesterday the thermometer rose to 60° and upwards at most of the English and Irish stations, and to 65° in London. On some parts of our northeast coasts, however, it did not reach 55°.

WIND

Light to fresh from the NE^{ly} over the southern parts of the United Kingdom and also over France, Germany and the Netherlands. S^{ly} on our extreme north and northwest coasts, and SW^{ly} over the northern parts of Scandinavia; calm at the Danish stations.

WEATHER

Fine over Western Europe as a whole, but dull in the northeast of England, with fog at Shields. Dull also in the south of France and the west of Norway, with rain at Bodö.
Showers fell yesterday on the extreme southeast coasts of England, and rain in several parts of Germany and the east and south of France, the largest amount being 0·6 ins: at Lyons.

SEA

Moderate to smooth generally, but rather rough (a ground sea) at Scilly.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of any decided change in the weather, excepting on our extreme north and northwest coasts where the conditions are likely to be affected shortly by depressions travelling in a northeasterly direction out in the Atlantic.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW^{ly} winds, moderate or fresh; fair at first, some rain later.
1	SCOTLAND EAST	S^{ly} winds, light; fine generally, warmer.
2	ENGLAND N.E.	Variable breezes, finally SW^{ly}; fine generally, warmer.
3	ENGLAND EAST	NE^{ly} winds, light; fine generally, warmer.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No. 2
7	ENGLAND N.W.	
8	ENGLAND S.W.	E^{ly} winds, light or moderate; fine generally.
9	IRELAND NORTH	S^{ly} winds, freshening; fine at first, some rain later.
10	IRELAND SOUTH	E^{ly} and SE^{ly} winds, light or moderate, fair generally.
	WARNINGS	NONE ISSUED

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·28	58	51	N	4	b	2	Valencia	30·31	64	47	S	2	bm	3
Sumburgh Head	30·35	53	48	W	1	o	2	Scilly	30·28	56	49	NE	4	b	2
Stornoway	30·32	58	56	S	3	c	4	Jersey	30·22	62	58	NE	6	bc	4
Aberdeen	30·42	51	49	NE	1	o g	2	Hurst Castle ...	30·25	64	57	NE	3	bc	2
Shields	30·41	52	49	N	3	c	3	Dungeness ...	30·24	59	52	NNE	5	bc	3
Ardrossan	30·37	51	50	NE	1	bm	0	North Foreland	30·28	59	57	N	5	c	4
Malin Head ...	30·36	58	54	E	1	bc	0	London (Westminster)	30·28	61	54	NNE	3	bc	*
Belmullet	30·35	63	54	SSW	1	b	*	Yarmouth ...	30·29	60	55	NNE	4	c	4
Holyhead	30·38	56	50	E	1	bc	1	Rochefort ...	30·03	64	61	NE	5	c	*

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

Weather in morning fine over western, northern, and central Europe generally, but dull in the northeast of England, with fog at Shields. Dull over northern Italy and the southern parts of France and Germany, with rain in several places; dull also over northern Russia. Showers falling later on the extreme southeast coasts of England, but weather remaining fine and dry in all other parts of our Islands. Rain continuing over the southern parts of France and Germany.

Temperature fallen in most parts of western and southern Europe, risen in Sweden and Austria; changed irregularly elsewhere. Morning readings highest 82° at Sfax and 81° at Algiers, 77° at La Calle and 74° at Oran; above 65° in many parts of southern Europe. Lowest (1) 42° at Parsontown, 44° at Loughborough and 47° at Liverpool; (2) 46° at Haparanda, Archangel, and Moscow. Daily maxima below 55° on the northeast coasts of Great Britain, but thermometer exceeding 60° over England and Ireland generally, and reaching 65° in London. Rising to 65° and upwards at most of the French stations and to 74° at Perpignan.

Wind light to fresh from the N^nd on the east coasts of Great Britain, as well as in Sweden, Denmark, Germany, and the south of Norway, but W^l or SW^l in the west of Norway. E^l or NE^l in the west and south of our Islands and the northern parts of France, and fresh in force at several of the English Channel stations; W^l at Biarritz and Perpignan. N^l or NW^l over the Spanish Peninsula, variable in Italy, E^l or NE^l in Austria. Light S^l breezes setting in later on our own extreme western coasts; no important change occurring elsewhere.

Barometer highest, 30·3 ins. and upwards in an anticyclone lying over Ireland and all the more northern parts of Great Britain, 30·2 ins. and upwards, in another system over the south of Russia. Lowest 29·8 ins. and less, in a large shallow depression over northern Russia, 29·8 ins. and less, in another system over Spain, the south of France, and the western parts of the Mediterranean. Western anticyclone increasing later both in size and height, but barometer beginning to fall slightly on our extreme western coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 12th September, 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 ...	30·14	51	SW	2	b	29·97	−·02	52	48	+ 8	WNW	4	b	5	b	*	57	36	—
	Hernösand ...	30·34	49	2	0	b	30·23	−·10	45	44	− 5	2	0	b	*	b	*	61	37	—
	Stockholm ...	30·48	50	2	0	b	30·45	+·05	54	51	+ 6	SSW	2	b	*	b	*	59	43	—
	Wisby	30·50	49	N	4	b	30·51	+·10	52	50	− 3	S	4	b	*	b	*	57	45	—
	Karlstad ...	30·42	53	SW	2	b	30·40	−·03	54	52	+ 10	SW	4	b	*	b	*	*	*	—
	Bodö	29·89	53	SW	6	o	29·69	−·51	53	48	+ 3	SW	8	o	5	o	*	55	48	0·20
	Christiansund ...	30·33	52	WSW	2	b	30·12	−·26	52	48	+ 2	SW	2	o	4	b	*	55	46	—
	Skudesnaes ...	30·44	55	2	o	o	30·32	−·18	54	50	+ 4	SW	4	b	2	o	*	59	46	*
	Færder (Christiania Fjord)	30·40	58	SW	4	b	30·35	−·04	57	53	+ 2	SW	8	bc	4	b	*	61	55	—
	Skagen (The Scaw)	30·47	53	2	o	b	30·45	+·03	55	51	0	SW	1	b	o	b	*	66	50	—
	Fanö	30·45	51	N	1	b	30·48	+·07	52	52	+ 4	2	o	b	*	b	*	64	48	—
British Islands.	Sumburgh Head	30·27	52	SSW	2	c	30·21	−·14	55	55	+ 3	W	3	o	4	c	*	58	50	0·02
	Stornoway ...	30·24	57	SW	5	o	30·28	−·04	57	56	+ 4	WNW	5	c	4	o	8·3	59	50	0·01
	Wick	30·32	55	SW	2	b	30·33	−·06	59	57	+ 5	W	2	c	1	b	*	67	50	—
	Nairn	30·31	57	W	1	bcw	30·34	−·05	60	58	+ 12	W	2	bc	1	bcw	*	65	46	—
	Aberdeen ...	30·35	52	S	2	bc	30·36	−·07	62	57	+ 10	W	2	bcw	1	bc	10·0	62	40	—
	Leith	30·37	57	W	1	bc	30·39	−·04	59	51	+ 14	W	3	o	*	bc	*	65	40	—
	Shields	30·44	52	SSE	3	b	30·45	−·03	49	47	+ 2	SW	3	m	2	f, bc	*	55	40	—
	Spurn Head ...	30·44	55	E	3	bw	30·46	+·03	54	54	− 4	2	o	cw	2	bw	*	60	51	—
	York	30·45	58	E	1	b	30·48	+·01	44	43	− 6	N	1	f	*	b	2·7	62	40	—
	Loughborough ...	30·44	60	NNE	1	b	30·49	+·02	47	47	+ 1	WNW	1	fw	*	c, bc, bf	*	66	40	—
	Ardrossan ...	30·38	56	W	2	bc	30·42	·00	55	54	+ 6	W	2	o	1	bc	*	60	48	—
	Malin Head ...	30·34	59	S	3	bw	30·42	+·06	56	55	+ 4	SSW	2	ow	1	b, d	*	62	51	0·01
	Belmullet ...	30·38	57	SW	2	o	30·47	+·10	56	55	+ 3	WSW	1	ow	*	o	*	60	53	0·04
	Donaghadee ...	30·42	55	SSE	4	bw	30·46	+·02	51	51	+ 1	WSW	3	c	1	b	*	58	43	—
	Liverpool (Bidston)	30·43	56	SE	1	c	30·48	+·02	54	50	+ 5	2	o	m	?	c	*	59	48	—
	Holyhead ...	30·44	53	2	o	b	30·48	+·04	53	51	+ 3	2	o	bf	o	b	*	61	45	—
	Parsonstown ...	30·39	61	2	o	b	30·49	+·08	43	42	+ 3	2	o	m	*	b	10·6	64	39	—
	Valencia ...	30·41	57	S	2	c	30·49	+·10	53	50	0	E	1	bw	2	c	10·4	60	42	—
	Roche's Point ..	30·43	60	SSE	2	b	30·51	+·10	50	50	− 2	N	3	f	3	b	*	63	49	—
	Pembroke (St. Ann's Hd.)	30·42	52	NE	2	b	30·49	+·08	54	53	+ 4	E	1	bw	1	b	11·0	59	47	—
	Scilly	30·40	58	NNE	2	b	30·41	+·05	59	55	+ 2	ENE	2	bw	4	b	10·8	62	50	—
	Prawle Point ...	30·40	57	ENE	3	b	30·45	+·06	58	55	+ 4	NE	3	b	2	b	*	62	50	—
	Jersey (St. Aubin's)	30·33	63	ENE	5	b	30·41	+·06	62	58	+ 2	ENE	4	bw	3	b	*	65	56	—
	Hurst Castle ...	30·37	62	ENE	2	bw	30·44	+·06	58	52	+ 5	NE	2	f	2	b	*	68	48	—
	Dungeness ...	30·35	60	ENE	4	b	30·42	+·06	55	54	− 5	N	2	bc	1	b	*	64	51	—
	North Foreland	30·40	59	NNE	4	b	30·43	+·04	59	58	− 3	NNW	3	b	3	b	*	62	56	—
	London (Brixton) ...	30·39	58	NE	3	b	30·47	+·07	46	43	− 6	NE	1	f	*	bc, fw	8·2	68	40	—
	Oxford	30·45	56	NE	2	o	30·48	+·04	53	51	+ 4	N	1	bw	*	o	*	65	47	—
	Cambridge ...	30·42	57	NNE	1	bc	30·49	+·05	48	48	− 1	NNE	1	fw	*	bc	7·3	67	43	—
	Yarmouth ...	30·41	59	NE	4	b	30·44	+·05	56	52	− 4	NNW	3	bw	3	b	*	62	48	—
Germany & Holland.	Cuxhaven ...	30·38	55	E	1	c	30·42	+·04	53	53	− 1	E	3	bw	*	c	*	63	52	—
	Berlin	30·34	57	NE	4	c	30·34	·00	53	50	+ 3	NE	3	c	*	c	*	63	51	0·08
	Wiesbaden ...	*	*	*	*	*	30·30	+·03	52	50	0	N	2	o	*	*	*	63	51	0·04
	Munich	30·24	48	NE	5	o	30·23	+·05	49	49	− 1	NE	2	r	*	0	*	60	46	0·28
	The Helder ...	30·40	57	NE	1	b	30·41	+·02	56	53	− 2	NE	1	b	1	b	*	61	54	—
Belgium.	Brussels ...	*	*	*	*	*	30·40	+·04	50	48	0	NNE	2	b	*	b	*	64	43	—
	Cape Gris Nez ...	30·29	58	E	4	b	30·36		54	51		E	1	b	1	b	*	63	48	—
	Paris	30·26	59	NNE	3	b	30·35	+·09	46	45	− 3	NNE	2	b	*	b	*	67	44	—
	Brest	30·28	59	NE	2	b	30·37	+·09	55	54	− 2	ENE	2	b	1	b	*	66	48	—
	Lorient	30·24	60	NE	5	b	30·36	+·10	54	53	0	NE	5	b	3	b	*	66	41	—
France &	Rochefort ...	30·18	63	NE	5	b	30·28	+·17	52	51	− 2	NE	6	b	*	b	*	70	50	—
	Belfort	30·12	52	E	3	o	30·25	+·15	50	47	+ 2	NE	3	bc	*	o	*	55	45	—
	Lyons	30·11	54	NW	1	o	30·24	+·26	51	49	+ 3	N	1	o	*	o	*	?	48	0·24
	Nice	30·00	61	2	o	bc	30·04	+·14	62	56	0	E	1	b	2	bc	*	75	55	0·55
	Perpignan ...	30·06	62	NW	3	o	30·17	+·22	61	57	− 1	2	o	b	*	o	*	75	52	0·04
	Biarritz ...	30·05	61	NW	4	o	30·13	+·14	57	55	0	SSE	3	o	2	o	*	66	55	0·55
Peninsula.	Corunna ...	30·14	66	NE	3	b	30·18		64	57		NE	3	b	3	b	*	68	48	—
	Lisbon	29·93	69	NNW	5	b	29·98	+·02	68	54	+ 2	NE	5	c	*	b	*	77	66	—
	Azores (P. Delgada)	30·07	71	SSE	3	bc	30·07	+·03	72	70	+ 2	SE	4	o	4	bc	*	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 7·6 hrs;

WEATHER CHARTS

FOR SUNDAY, 12TH SEPTR, 1897.

BAROMETER, WIND AND SEA.

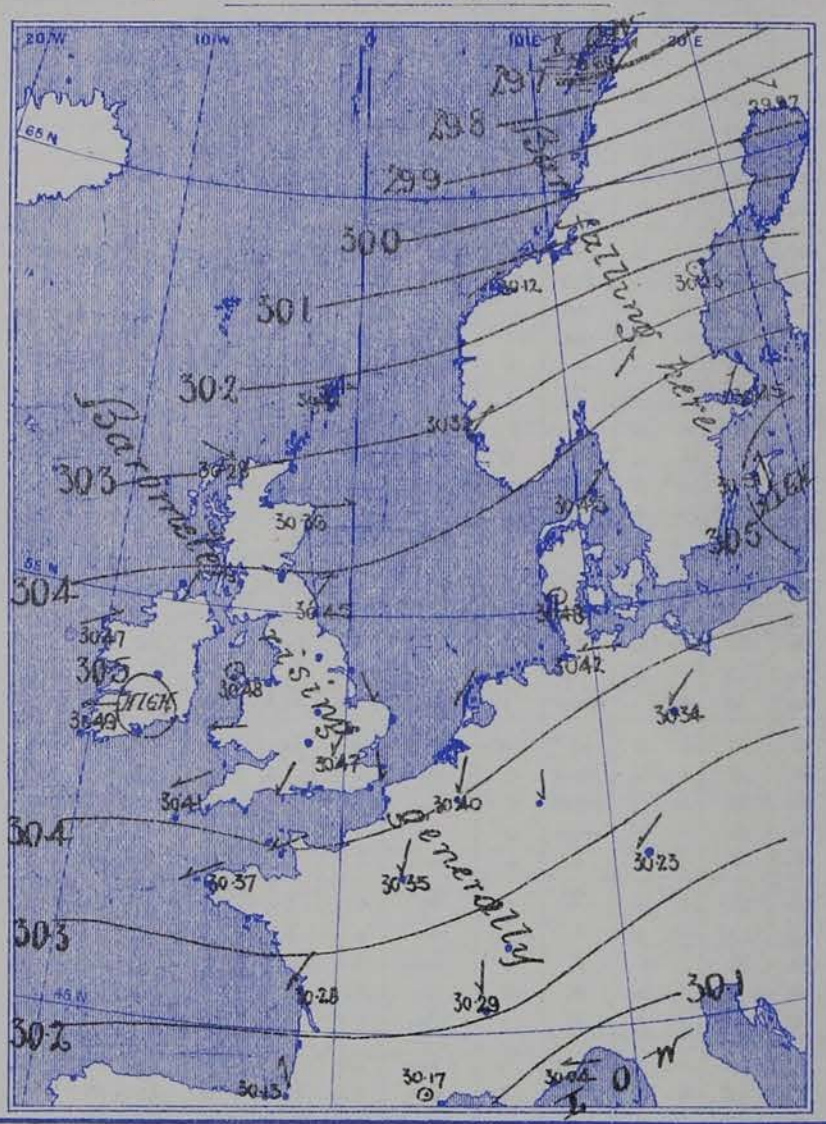
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

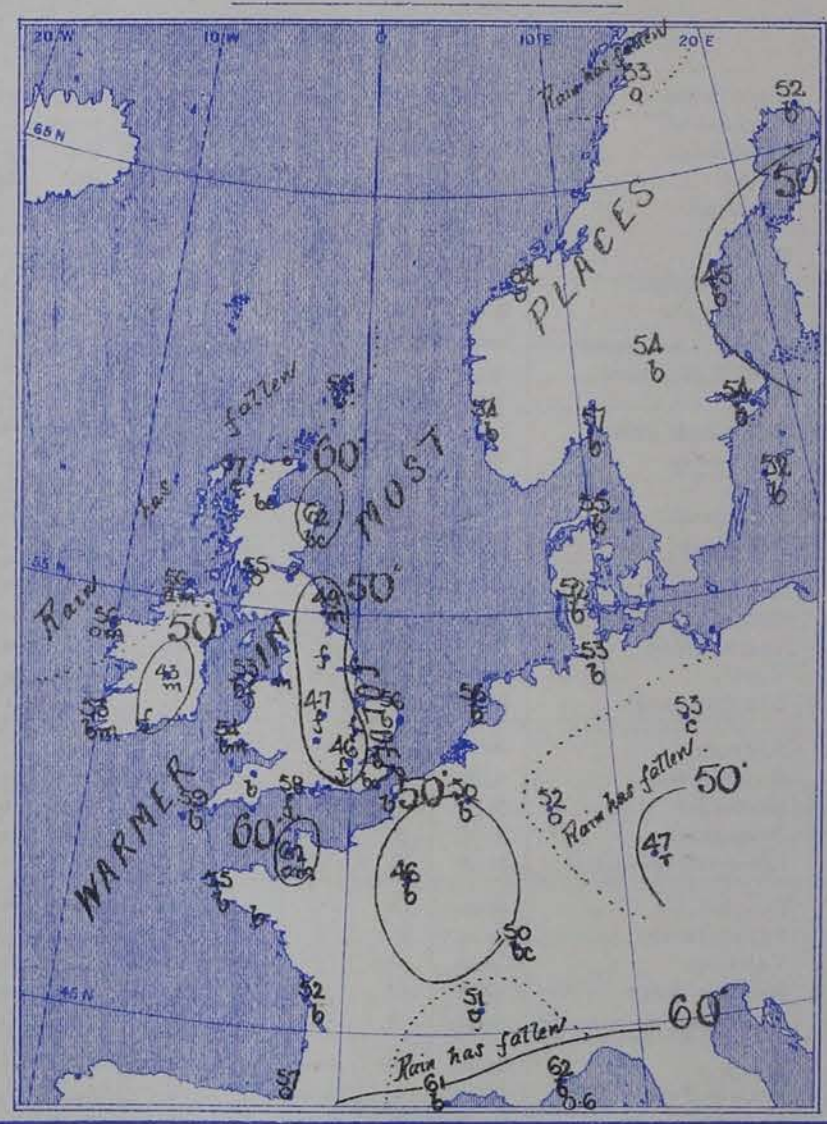


TEMPERATURE & WEATHER.

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 SEPTEMBER.

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89. 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.5 ins. at Roche's Pt. and also at Wisby; 30.4 ins. and upwards over the whole of Ireland, England, the Netherlands, Denmark and the south of Sweden.
Lowest 29.7 ins. and less in a depression off the NW. of Norway; 30.0 ins. and less in the S. of Portugal
Gradients slight generally, but rather steep over the Nrn. parts of Scandinavia.
Barometer rising slowly at all but the Scandinavian stations; falling briskly in the W. of Norway

TEMPERATURE

Highest (1) 68° at Lisbon, 62° at Nice, and 61° at Perpignan; (2) 62° at Aberdeen, and 60° at Nairn.
Lowest (1) 43° at Parsonstown, 44° at York, 46 in London, and 47° at Roughlanough; (2) 46° at Paris, and 47° at Munich.
During yesterday the thermometer rose to 65° and upwards in many parts of Gt. Britain, and to 68° in London.

WIND

N^ly or NE^ly in the south of our islands, and also over France, the Netherlands and Germany, light in force generally, but fresh or strong in the Bay of Biscay.
Light from the W^wd. or SW^wd. in the north of our islands; SW^ly over Scandinavia, with a gale at Bodo and Faerder.

WEATHER

Fine over W^rn Europe as a whole, but foggy in many parts of England and also in the S. of Ireland.
Cloudy or dull on our extreme N. and NW. coasts, as well as in the west of Norway, and in Germany, with rain at Munich.
Slight rain fell yesterday in the extreme N. and NW. of our islands and larger quantities in Germany and the E. and S of France; in other parts of our area the weather remained fair and dry.

SEA

Moderate to smooth generally, but rather rough at Bodo.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

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

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·47	58	52	NNW	2	c	1
Sumburgh Head	30·33	56	53	SSW	2	bc	2
Stornoway	30·19	56	51	SW	5	c	5
Aberdeen	30·39	51	52	S	3	b	2
Shields	30·48	53	49	ESE	2	o	3
Ardrossan	30·39	60	58	W	2	bcm	1
Malin Head ...	30·35	62	58	S	4	b	2
Belmullet	30·38	60	56	SW	1	o	*
Holyhead	30·45	59	54	SW	1	bc	1
Valencia	30·41	60	54	S	3	bm	4
Scilly	30·38	60	55	NNE	2	b	5
Jersey	30·34	65	58	NE	4	bm	3
Hurst Castle ...	30·37	67	61	NE	2	bc	2
Dungeness ...	30·36	63	56	ENE	5	b	4
North Foreland	30·41	61	?	N	4	b	0
London (Westminster)	30·40	65	54	NE	2	bc	*
Yarmouth ...	30·43	64	57	NE	3	b	3
Rochefort ...	30·44	67	65	NE	6	b	*

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

Weather in morning fine over W.m and N.m Europe generally, but dull in the NE. of England, with fog at Shields; dull also in the W. of Norway, with rain at Bodö. Cloudy over Austria, S. Germany and N.m Italy, with rain in several places, and a thunderstorm at Leghorn; fine over central Italy and the Spanish peninsula. Slight rain falling later in the extreme N. and NW. of our islands, and larger quantities in Germany and the S. of France.

Temperature risen a little in most places. Morning readings highest 83° at Palermo, 81° at Spezia, 79° at Patras, and 77° at Malta; above 70° at most of the Mediterranean and Adriatic stations. Lowest (1) 44° at Haparanda and Karlstad, and 45° at Archangel; (2) 45° at Leith, and 46° at Loughborough and Parsonstown (below 50° over the central parts of our islands generally). Rising during day to 65° and upwards in many parts of Gt. Britain and to 68° in London; exceeding 70° in the S. of France, and reaching 77° at Lisbon.

Wind light to fresh from the NE.ly over the southern parts of the United Kingdom, and also over France, Germany and the Netherlands. S.ly in the extreme north and northwest of our islands, and SW. over the northern parts of Scandinavia, calm or light from the N.d over Finland, Denmark and the Baltic. SE.ly in Italy, but chiefly NW. over the Spanish peninsula. No important change occurring over W.m Europe during day.

Barometer highest 30·50 ins. at Skudesnaes; 30·2 ins. and upwards in an anticyclone covering nearly the whole of N.rn and NW.m Europe. Lowest 29·9 ins. and less in two depressions,—one lying off the S. of France, and the other over Tunis; 30·0 ins. and less in another shallow system over E.rn Austria. No important change occurring later but barometer beginning to fall somewhat over the N.rn parts of our islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Monday 13th September, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.73	54	W	6	o	29.84	−.13	49	44	−3	NW	6	b	*	o	*	54	40	—
	Hernösand ...	30.08	55	NW	2	o	30.13	−.10	54	48	+9	W	4	b	*	o	*	61	37	—
	Stockholm ...	30.27	54	SSW	2	c	30.22	−.23	52	50	−2	N	2	b	*	c	*	63	45	—
	Wisby	30.37	52	S	4	b	30.23	−.28	54	51	+2	NW	6	o	*	b	*	59	46	—
	Karlstad ...	30.26	54	SSW	6	c	30.27	−.13	50	49	−4	N	2	bcf	*	c	*	*	*	—
	Bodö	29.83	46	SW	7	o	30.00	+.31	46	42	−7	W	6	c	4	o	*	54	43	0.47
	Christiansund ...	30.21	53	WSW	4	o	30.34	+.22	53	49	+1	W	4	o	5	o	*	59	52	0.72
	Skudesnaes ...	30.37	55	W	2	r	30.42	+.10	54	50	o	N	2	c	1	rf	*	58	52	*
	Færder (Christiania Fjord)	30.25	60	SW	4	c	30.29	−.06	58	54	+1	NW	1	b	2	c	*	61	55	—
	Skagen (The Scaw)	30.34	59	WNW	3	c	30.28	−.17	59	56	+4	NNW	3	b	0	c	*	61	54	—
	Fanö	30.45	54	NW	1	b	30.38	−.10	56	55	+4	NW	2	o	*	b	*	63	50	—
British Islands.	Sumburgh Head	30.32	54	W	3	o	30.45	+.24	52	51	−3	E	2	o	2	o	*	59	48	0.01
	Stornoway ...	30.38	59	W	1	dm	30.48	+.20	56	56	−1	W	2	o	2	o, dm	0.7	61	53	0.06
	Wick	30.44	60	W	2	c	30.53	+.20	54	53	−5	NW	2	o	1	c	*	67	50	0.02
	Nairn	30.41	62	W	1	c	30.50	+.16	59	59	−1	W	1	r	1	c	*	68	56	0.06
	Aberdeen ...	30.44	60	N	2	c	30.53	+.17	55	54	−7	E	1	og	1	c, rf	3.4	69	54	0.05
	Leith	30.43	60	W	2	c	30.51	+.12	59	58	0	WSW	2	om	*	c	*	70	53	—
	Shields	30.45	62	WSW	2	o	30.52	+.07	58	56	+9	W	1	ef	1	o	*	67	47	—
	Spurn Head ...	30.44	56	SE	3	b	30.49	+.03	57	57	+3	NNW	2	om	2	b	*	59	53	—
	York	30.46	63	N	1	b	30.52	+.04	58	56	+14	N	1	o	*	b	7.5	65	42	—
	Loughborough ...	30.46	60	Z	0	b	30.53	+.04	51	51	+4	WNW	1	of	*	bm, cm, f	*	69	44	—
	Ardrossan ...	30.47	57	Z	0	o	30.52	+.10	58	57	+3	Z	0	o	0	o	*	58	54	—
	Malin Head ...	30.49	57	W	4	cm	30.56	+.14	57	57	+1	WSW	1	om	0	c	*	58	55	—
	Belmullet ...	30.54	59	W	1	o	30.57	+.10	58	57	+2	W	1	o	*	o	*	62	54	—
	Donaghadee ...	30.51	58	WNW	2	om	30.57	+.11	57	57	+6	NNW	2	om	0	o	*	63	50	—
	Liverpool (Bidston)	30.52	56	WNW	1	b	30.53	+.05	57	55	+3	W	2	o	2	bm	*	60	47	—
	Holyhead ...	30.51	57	NW	1	bc	30.55	+.07	58	57	+5	Z	0	om	0	bc	*	60	51	—
	Parsonstown ...	30.46	61	Z	0	bc	30.57	+.08	60	49	+7	Z	0	o	*	bc	9.1	65	42	—
	Valencia ...	30.52	57	WNW	2	cm	30.57	+.08	49	48	−4	NNE	1	bw	2	cm	9.7	61	41	—
	Roche's Point ..	30.53	59	SE	1	b	30.58	+.07	62	60	+2	N	2	bm	2	b	*	63	48	—
	Pembroke (St. Ann's Hd.)	30.49	60	NE	3	b	30.54	+.05	51	50	−3	E	2	bmw	1	b	11.1	62	50	—
	Scilly	30.48	59	E	1	bcw	30.50	+.09	59	56	0	NNE	1	bw	1	bc	11.0	64	53	0.01
	Prawle Point ...	30.47	57	NE	1	b	30.52	+.07	54	52	−4	N	2	bc	2	b	*	64	50	—
	Jersey (St. Aubin's)	30.43	63	ENE	3	b	30.49	+.09	62	57	0	NE	3	bmw	3	bc, b	*	67	54	—
	Hurst Castle ...	30.44	62	WSW	1	bcm	30.50	+.06	53	51	−9	NE	1	bm	1	bcm	*	67	48	—
	Dungeness ...	30.42	61	NNE	2	bc	30.47	+.05	57	55	+2	NNE	3	bf	2	bc	*	65	44	—
Germany & Holland.	North Foreland	30.46	58	NNW	3	b	30.50	+.07	59	57	0	N	3	b	2	b	*	62	56	—
	London (Brixton) ...	30.46	60	NE	1	bc	30.51	+.04	47	46	+1	NE	1	fw	*	c, b	5.0	64	42	—
	Oxford	30.49	52	N	1	b	30.53	+.05	47	47	−6	N	1	fw	*	b	*	66	42	—
	Cambridge ...	30.45	60	N	1	b	30.51	+.02	51	51	+3	N	1	bmw	*	b	6.0	65	42	—
	Yarmouth ...	30.44	59	NNE	3	bcv	30.48	+.04	54	51	−2	WNW	2	b	2	p, bcv	*	59	46	0.01
	Cuxhaven ...	30.39	57	N	3	b	30.41	−.01	54	53	+1	E	1	c	*	b	*	61	53	—
	Berlin	30.31	55	NE	3	r	30.33	−.01	54	53	+1	WNW	3	r	*	r	*	59	52	0.32
	Wiesbaden ...	*	*	*	*	*	30.35	+.05	55	51	+3	Z	0	o	*	*	*	57	52	0.12
	Munich	30.34	50	NW	1	r	30.34	+.11	51	51	+4	NE	1	o	*	r	*	52	46	0.20
	The Helder ...	30.39	58	NE	1	bc	30.46	+.05	57	53	+1	NNE	1	b	1	bc	*	61	54	—
France & Belgium.	Brussels ...	*	*	*	*	*	30.46	+.06	50	49	0	NE	2	c	*	o	*	65	44	—
	Cape Gris Nez ...	30.39	57	E	4	bc	30.41	+.05	57	55	+3	ENE	3	bc	2	bc	*	63	50	—
	Paris	30.36	56	NE	2	bc	30.41	+.06	51	50	+5	N	2	bc	*	bc	*	66	?	—
	Brest	30.38	62	E	2	b	30.50	+.13	53	51	−2	NE	1	b	1	b	*	70	48	—
	Lorient	30.36	63	ENE	4	b	30.46	+.09	56	55	+2	ENE	5	b	3	b	*	68	41	—
	Rochefort ...	30.28	72	E	4	b	30.37	+.09	54	51	+2	NE	4	b	*	b	*	73	50	—
	Belfort	30.28	64	E	2	b	30.36	+.01	50	49	0	NE	4	m	*	o	*	58	47	—
	Lyons	30.25	53	NW	1	b	30.27	−.02	50	48	−1	N	1	o	*	b	*	61	49	—
	Nice	30.02	64	SW	4	b	30.09	+.05	63	58	+1	ENE	5	bc	3	b	*	75	57	—
	Perpignan ...	30.15	66	N	3	b	30.19	+.02	64	55	+3	W	3	b	*	b	*	75	54	—
	Biarritz ...	30.48	66	N	3	bc	30.23	+.10	57	54	0	E	4	bc	2	bc	*	70	55	—
Peninsula.	Corunna ...																*			
	Lisbon														*		*			
	Azores (P. Delgada)	30.16	71	N	3	c	30.21	+.14	71	67	−1	NNE	3	bc	3	c	*	77	68	—

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

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

Bright Sunshine yesterday Southport 9.5 hrs;

WEATHER CHARTS

FOR Monday, 13th Sept.r 1897.

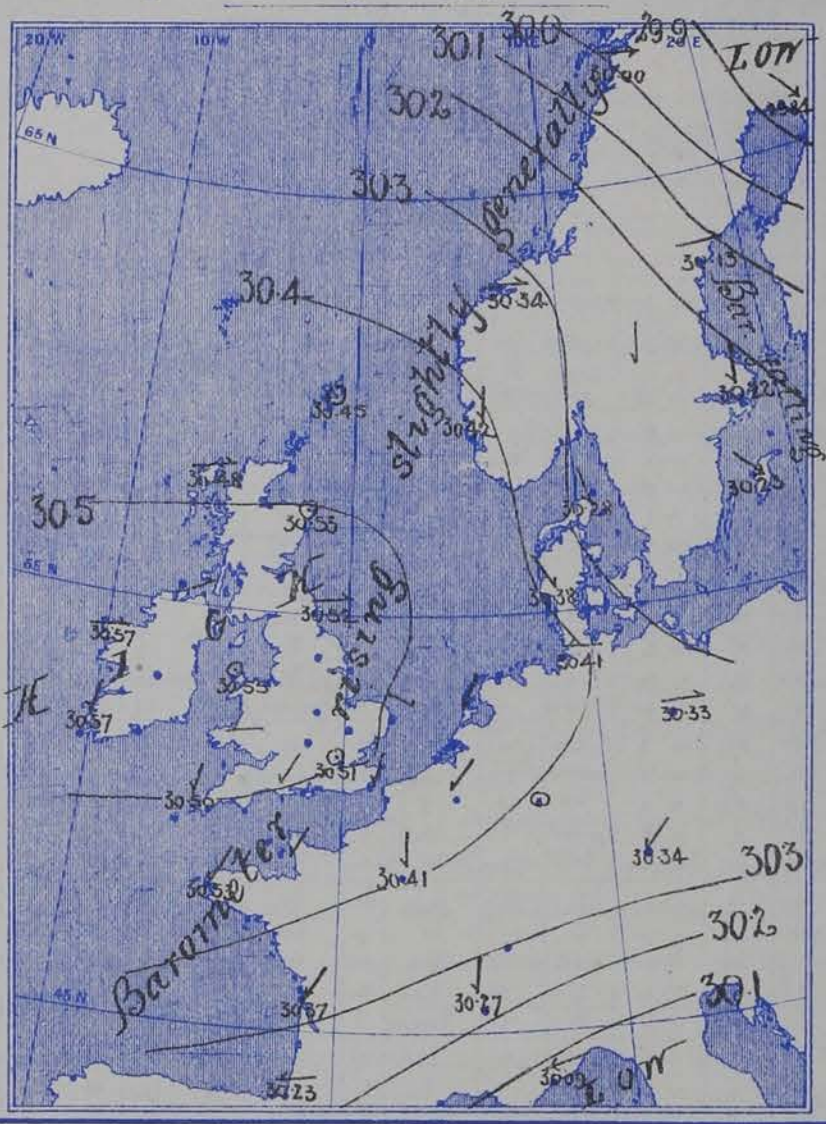
BAROMETER, WIND AND SEA.

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* ▩

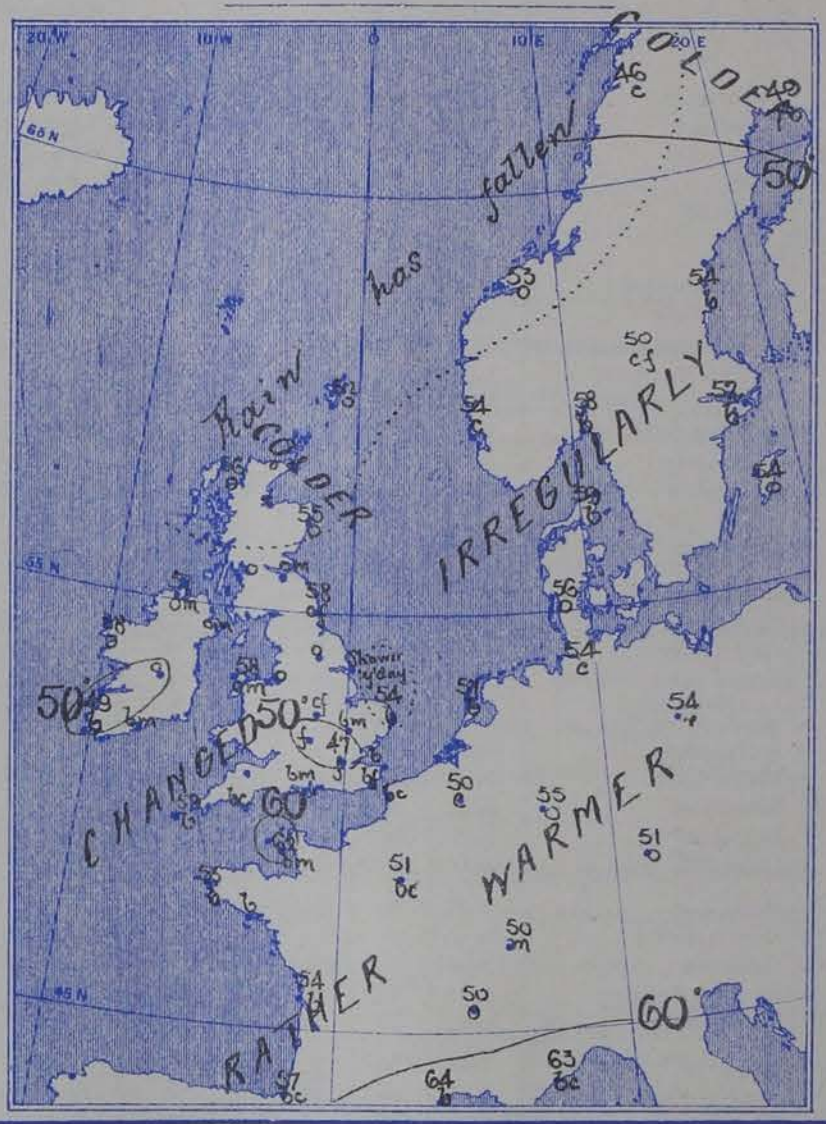


TEMPERATURE & WEATHER.

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 SEPTEMBER.*

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.5 ins. and upwards over all but the extreme N^W. and S.E^n. parts of our Islands, 30.3 ins. and upwards in an anticyclone embracing nearly the whole of W^n. Europe.
Lowest 29.9 ins. and less over Lapland; 30.1 ins. and less in the extreme S. of France.
Gradients slight generally, but moderate over the N. of Scandinavia.
Barometer rising a little in most places, but falling in the S. of Sweden.

TEMPERATURE

Highest (1) 64° at Perpignan, 63° at Nice, and 62° at Jersey; (2) 59° at Nairn and Leith; (3) 59° at Skagen, and 58° at Faerder.
Lowest (1) 46° at Bodö, and 49° at Hernösand; (2) 47° at Cosford and in London; (3) 49° at Valencia.
During yesterday the thermometer rose to 65° and upwards in many parts of St. Britain, and to 70° at Leith.

WIND

N^ly or NE^ly over the south of our Islands, and also over France, and the Netherlands; light in force generally but moderate in the Bay of Biscay.
Light from the W^wd. over the northern parts of the United Kingdom; moderate to strong from the same quarter or from NW in Scandinavia.

WEATHER

Dull over all the more N^n. parts of our Islands, with rain at Nairn.
Fine in most other parts of W^n. Europe, but foggy in the S.E. of England. Dull in Germany with rain at Berlin.
Since yesterday morning a little rain has fallen in the N. of Scotland, and larger quantities in the W. of Norway and also in Germany. In other parts of our area the weather has remained fair and dry.

SEA

Smooth on nearly all coasts, but moderate to rather rough off the W. of Norway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

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

FORECASTS

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

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·41	58	54	SSW	2	0	2
Sumburgh Head							
Stornoway	30·35	61	56	WNW	3	0	3
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30·46	58	58	SW	4	0	2
Belmullet	30·51	61	57	WSW	1	0	*
Holyhead							
Valencia							
Scilly							
Jersey	30·44	66	59	ENE	4	7a	3
Hurst Castle ...							
Dungeness ...	30·43	63	55	NNE	2	7a	1
North Foreland	30·46	61	58	NNW	3	7	3
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·28	71	70	E	4	7	*

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 5TH TO THE 11TH SEPT: 1897.

At the commencement of last week the weather remained in a very unsettled state over the whole of NW^rn and N^rn Europe; the conditions being influenced partly by large primary depressions which travelled eastwards across the N. of Scandinavia, and partly by secondary systems which passed in a similar direction across our Islands and the North Sea. Heavy falls of rain were reported in many places, and on the 5th a strong gale from the W^wd was experienced over the English Channel, gales from a similar quarter or from NW. being experienced later on many parts of the Scandinavian and Danish coasts.

On the night of the 7th a new depression advanced from the Atlantic over the SW^rn parts of our Islands, the system spreading E^wd on the 8th, and occasioning considerable falls of rain over our southern districts generally. The disturbance, however, ultimately moved SE^wd over France, while an anticyclone formed over our N. coast, the wind becoming E^ly with a gradual but decided improvement in the weather. During the remainder of the week the anticyclone increased both in size and height, and eventually covered the whole of NW^rn Europe. Over England the wind remained E^ly or NE^ly, but in Ireland and Scotland it shifted to the S^wd, the weather being, however, fair and dry in nearly all parts of the Kingdom. During the latter part of the week temperature was generally low for the time of year the daily maxima being seldom much above 60° even at our S^rn stations. On the night of the 9th a ground frost occurred over the central parts of England and 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.

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 14th September, 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 ...	29.96	41	NW	2	b	30.03	+ .19	41	38	− 8	NW	2	c	#	b	#	59	41	−
	Hernösand ...	30.21	51	NW	4	m	30.21	+ .08	46	45	− 8	W	4	r	#	m	#	61	46	0.04
	Stockholm ...	30.27	54	WSW	2	b	30.31	+ .09	49	45	− 3	W	2	c	#	b	#	63	49	−
	Wisby	30.32	48	N	3	b	30.31	+ .08	55	51	+ 1	N	4	b	#	b	#	57	48	−
	Karlstad ...	30.31	53	E	0	b	30.33	+ .06	49	47	− 1	N	2	o	#	b	#	#	#	−
	Bodö	30.14	46	W	6	r	30.04	+ .04	46	44	0	E	0	r	0	r	#	46	43	0.20
	Christiansund ...	30.39	51	W	5	r	30.27	− .07	54	51	+ 1	W	8	r	5	r	#	54	51	0.04
	Skudesnaes ...	30.43	53	NNW	4	b	30.44	+ .02	50	48	− 4	N	2	bc	1	b	#	59	46	#
	Færder (Christiania Fjord)	30.33	60	W	1	b	30.33	+ .04	57	55	− 1	E	0	b	1	b	#	63	54	−
	Skagen (The Scaw)	30.34	58	E	0	b	30.36	+ .08	57	55	− 2	E	0	b	0	b	#	64	48	−
	Fanö	30.38	56	NW	4	o	30.37	− .01	54	52	− 2	E	0	c	#	o	#	63	54	−
British Islands.	Sumburgh Head	30.41	54	W	2	f	30.41	− .04	54	54	+ 2	WNW	2	bc	3	o, f	#	56	48	−
	Stornoway ...	30.48	61	W	2	c	30.43	− .05	54	54	− 2	WSW	2	o	2	bc, c	5.3	66	49	−
	Wick	30.51	57	N	2	c	30.48	− .05	58	56	+ 4	N	1	b	1	c	#	67	50	−
	Nairn	30.50	63	E	0	c	30.45	− .05	58	57	− 1	E	0	c	1	c	#	70	52	0.01
	Aberdeen ...	30.52	58	SE	1	ogm	30.47	− .06	64	60	+ 9	SW	1	bcm	1	dm, gm, r	0.2	64	55	0.04
	Leith	30.52	61	WSW	1	o	30.48	− .03	60	57	+ 1	WSW	2	cm	#	o	#	72	54	0.03
	Shields	30.54	57	N	1	o	30.52	.00	56	55	− 2	E	0	of	1	f, c, o, f	#	62	54	−
	Spurn Head ...	30.49	57	NNE	3	c	30.51	+ .02	55	55	− 2	NNW	3	c	3	a, fw	#	61	52	−
	York	30.53	63	NE	1	c	30.54	+ .02	56	50	− 2	ENE	1	c	#	c	?	68	51	−
	Loughborough ...	30.51	64	NE	1	o	30.54	+ .01	55	54	+ 4	NE	1	omw	#	om, bm, f	#	66	51	−
	Ardrossan ...	30.50	61	W	1	bc	30.48	− .04	58	58	0	E	0	om	0	bc	#	67	50	−
	Malin Head ...	30.53	60	ESE	1	om	30.51	− .05	55	54	− 2	WSW	3	om	1	om	#	61	53	−
	Belmullet ...	30.58	59	W	1	b	30.57	.00	55	54	− 3	S	1	o	#	b	#	65	50	0.01
	Donaghadee ...	30.56	65	NW	2	c	30.55	− .02	57	57	0	NW	2	cm	0	c	#	67	54	−
	Liverpool (Bidston)	30.52	59	W	1	c	30.52	− .01	62	59	+ 5	E	0	c	1	c	#	62	56	−
	Holyhead ...	30.55	59	NW	1	c	30.53	− .02	60	59	+ 2	NW	1	cm	1	cm, c	#	61	57	−
	Parsonstown ...	30.53	65	E	0	b	30.56	− .01	54	53	+ 4	E	0	b	#	b, c	2.1	67	48	−
	Valencia ...	30.57	58	WSW	1	bm	30.56	− .01	48	47	− 1	E	0	bmw	2	bm	10.5	63	42	−
	Roche's Point ..	30.58	63	SE	1	b	30.58	.00	57	55	+ 5	NNW	2	bc	2	b	#	64	50	−
	Pembroke (St. Ann's Hd.)	30.52	60	E	3	o	30.52	− .02	60	59	+ 9	E	1	og	0	o	4.0	63	51	−
	Scilly	30.50	59	N	4	bm	30.50	.00	58	58	− 1	N	3	f	4	b, bm	10.8	63	55	0.01
	Prawle Point ...	30.60	58	NW	2	b	30.59	− .03	60	58	+ 6	NE	2	c	1	b	#	65	54	−
	Jersey (St. Aubin's)	30.48	60	NNE	3	b	30.47	− .02	61	59	− 1	NNE	3	cmw	3	bc, b	#	66	54	−
	Hurst Castle ...	30.48	62	SW	1	cm	30.48	− .02	58	56	+ 5	NNE	3	om	2	cm	#	67	53	−
	Dungeness ...	30.46	60	ENE	3	bc	30.46	− .01	58	54	+ 1	N	3	bc	2	b, bc	#	64	53	−
	North Foreland	30.49	58	N	2	bc	30.47	− .03	56	55	− 3	NNW	4	r	2	b, bc	#	61	55	−
	London (Brixton) ...	30.47	63	NNE	1	o	30.50	− .01	55	52	+ 8	NE	1	og	#	bc, o	2.8	69	46	−
	Oxford	30.51	59	N	1	o	30.53	.00	55	53	+ 8	NNE	3	bw	#	b, o	#	68	47	−
	Cambridge ...	30.50	61	N	1	o	30.53	+ .02	55	53	+ 4	N	1	o	#	bc, o	5.2	67	49	−
	Yarmouth ...	30.48	59	NNW	2	cg	30.49	+ .01	57	53	+ 3	N	3	bcv	3	bc, c	#	61	46	−
Germany & Holland.	Cuxhaven ...	30.37	57	N	1	o	30.38	− .03	56	55	+ 2	N	2	c	#	o	#	61	54	−
	Berlin	30.34	56	NW	3	b	30.37	+ .04	54	52	0	NW	2	o	#	b	#	63	54	−
	Wiesbaden ...	#	#	#	#	#	30.36	+ .01	57	51	+ 2	E	0	o	#	#	#	59	54	−
	Munich	30.34	54	SE	4	o	30.32	− .02	53	53	+ 2	ENE	6	o	#	o	#	59	50	−
	The Helder ...	30.42	59	N	2	o	30.45	− .01	57	52	0	NNE	3	b	1	o	#	61	57	−
Belgium.	Brussels ...	#	#	#	#	#	30.44	− .02	55	54	+ 5	NNE	2	o	#	b	#	64	50	−
	Cape Gris Nez ...	30.41	57	E	2	bc	30.39	− .02	58	56	+ 1	E	3	bc	3	bc	#	63	55	−
	Paris	30.39	58	NNE	2	b	30.39	− .02	50	49	− 1	NNE	2	bc	#	b	#	66	46	−
	Brest	30.45	62	NE	1	b	30.45	− .05	51	?	− 2	NNE	1	b	1	b	#	66	46	−
	Lorient																#			
France &	Rochefort ...	30.38	64	ENE	5	o	30.39	+ .02	58	51	− 1	ENE	6	b	#	c, o	#	72	50	−
	Belfort	30.25	54	NE	1	o	30.27	+ .01	53	51	+ 3	NE	2	o	#	o	#	57	50	−
	Lyons	30.28	52	NNW	1	m	30.25	− .02	53	53	+ 3	N	2	m	#	m	#	57	50	0.08
	Nice	30.15	59	E	0	c	30.09	.00	58	55	− 5	E	3	b	3	c	#	72	55	−
	Perpignan ...	30.21	65	NW	2	b	30.23	+ .04	60	53	− 4	NNW	2	b	#	b	#	74	51	−
	Biarritz ...	30.21	68	NNE	3	bc	30.25	+ .02	52	50	− 5	ESE	3	b	1	bc	#	72	50	−
Peninsula.	Corunna ...																#			
	Lisbon	30.13	69	NNW	4	b	30.13	.00	67	59	+ 1	NNE	4	b	#	b	#	79	61	−
	Azores (P. Delgada)	30.31	69	ENE	3	b	30.32	+ .11	69	66	− 2	NE	3	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 0.4 hrs;

WEATHER CHARTS

FOR ..... Tuesday, 14th September, 1897.

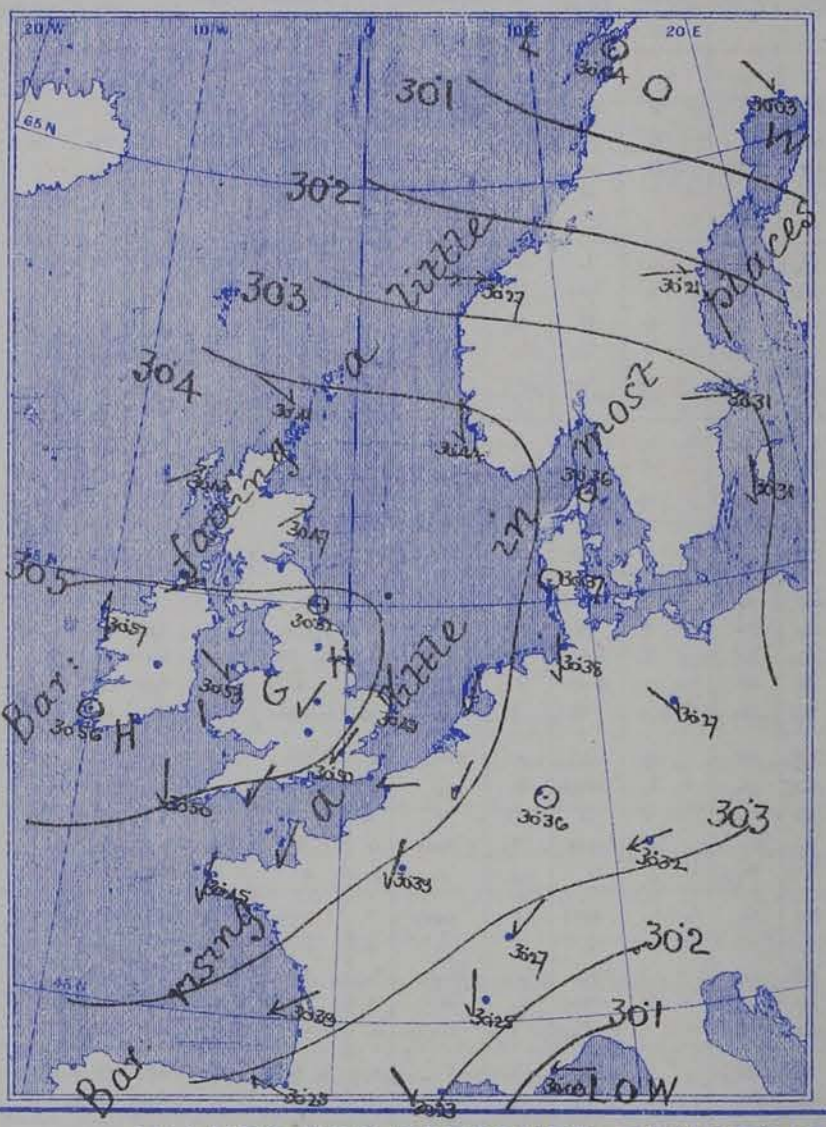
BAROMETER, WIND AND SEA.

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* ▩

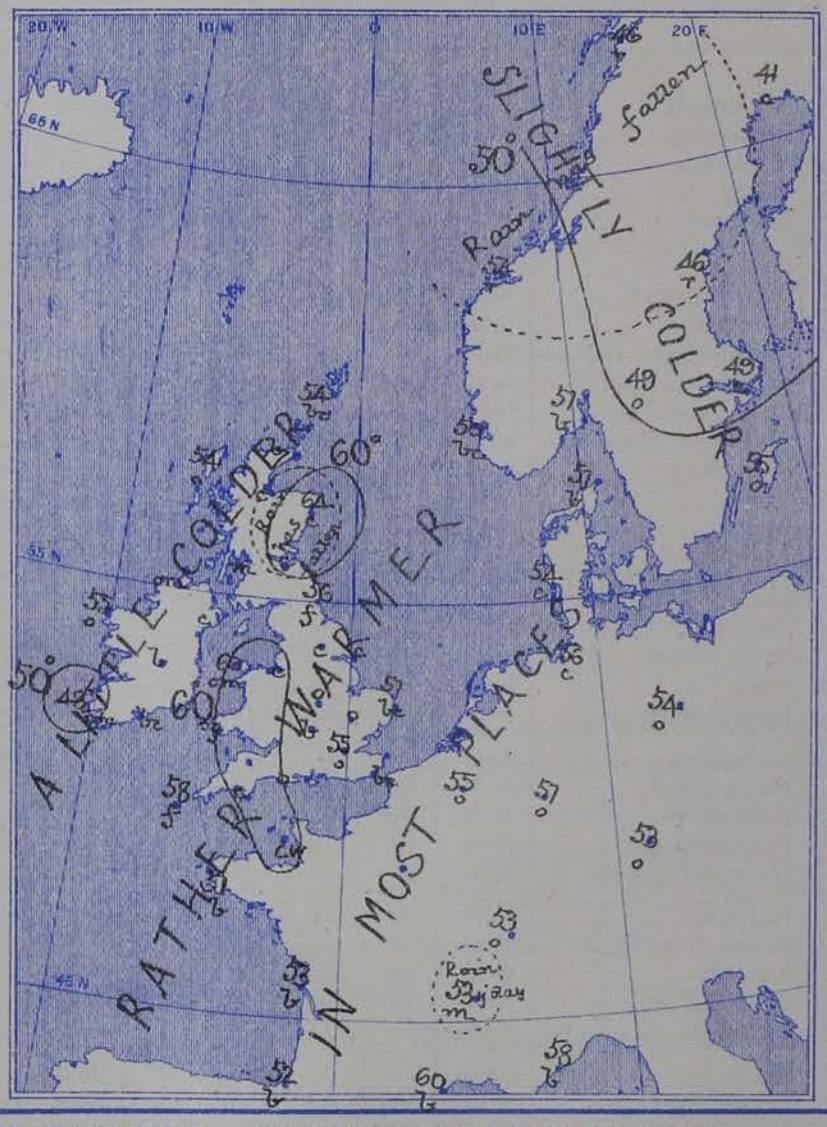


TEMPERATURE & WEATHER.

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 SEPTEMBER.*

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 ; 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1889	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest 30·5 ins. and upwards over Ireland and the greater part of England; 30·3 ins. and upwards in an anticyclone embracing nearly the whole of western Europe. Lowest 30·1 ins. and less in the N. of Scandinavia, and also in the extreme south of France. Gradients slight. Barometer falling slightly over all the more N^w. parts of our islands, and also in the W. of Norway, but rising a little in most other localities.

TEMPERATURE — Highest (1) 67° at Lisbon, and 60° at Perpignan; (2) 64° at Aberdeen, 62° at Liverpool, & 61° at Jersey. Lowest (1) 41° at Haparanda, and 46° at Bodö and Hernösand; (2) 48° at Valencia (Ireland); (3) 50° at Paris, and 51° at Brest. During yesterday the thermometer rose to 65° and upwards in many parts of the United Kingdom, to 70° at Nairn, and to 72° at Leith.

WIND — N. by W. or NE. by E. over England, France, the Netherlands and Germany; light in force in most places, but strong at Rochefort and Munich. W. by N. over the northern parts of our islands and Scandinavia, with a gale at Christiansund; N. by W. in the south of Scandinavia; calm in Denmark.

WEATHER — Fair or fine over W^n. Europe as a whole, but dull on our own extreme N.W. coasts, as well as at some stations in the southeast of England, with rain at the North Foreland. Dull in Germany and also over the N^w. parts of Scandinavia, with rain at Bodö Christiansund & Hernösand. Slight rain fell yesterday in the E. of Scotland, but over the United Kingdom generally the weather remained fair and dry. A lunar corona was seen last night at Stornoway.

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

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

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

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W. by N. and SW. by W. winds, moderate, fine at first, some rain later.
1	SCOTLAND EAST	W. by N. winds, light, fair generally.
2	ENGLAND N.E.	Light breezes chiefly NW. by W.; fair generally, but some mist or fog.
3	ENGLAND EAST	N. by W. winds, light, fair generally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.		FORECASTS.
6	SCOTLAND WEST	W. by N. winds, light, dull, misty, slight rain locally.
7	ENGLAND N.W.	Same as No. 2.
8	ENGLAND S.W.	NE. by E. winds light; fair generally but local fogs.
9	IRELAND NORTH	Same as No. 6.
10	IRELAND SOUTH	Same as No. 2.
	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 ...	30·43	59	52	NNW	4	bc	2
Sumburgh Head	30·46	55	53	L	0	0	2
Stornoway	30·48	65	64	W	3	bc	3
Aberdeen	30·53	59	58	SE	1	cmd	1
Shields	30·54	61	58	NE	1	c	2
Ardrossan	30·51	64	61	W	1	bc	0
Malin Head ...	30·55	60	59	E	1	0	0
Belmullet	? 30·58	60	58	WSW	1	b	*
Holyhead	30·54	61	59	NW	2	cm	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·58	61	56	WSW	3	bm	3
Scilly	30·51	62	56	NNE	2	b	1
Jersey	30·49	65	58	NE	4	bc	3
Hurst Castle ...	30·49	66	61	SW	2	cm	1
Dungeness ...	30·47	62	57	ENE	3	b	2
North Foreland	30·50	61	56	N	3	b	2
London (Westminster)	30·49	66	58	NE	2	c	*
Yarmouth ...	30·49	61	56	NNE	2	bc	2
Rochefort ...	30·40	67	65	NE	4	c	*

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

Weather in morning fine over the S^W. parts of our islands generally, and also over Sweden, the Netherlands, France, Spain and S^W. Italy; foggy over the eastern and central parts of England. Cloudy or dull in most other parts of Europe, with rain at Berlin and a thunderstorm at Rome. Sky clearing later at most of our own N^W. stations, but a little rain falling in the E. of Scotland. Rain setting in at night in the W. of Norway; lunar corona seen at Stornoway.

Temperature changed very irregularly. Morning readings highest 85° at La Calle, 81° at Patras, 79° at Athens, and 78° at Malta, above 65° in most parts of S^W. Europe. Lowest (1) 46° at Bodö, 47° at Moscow, and 49° at Archangel and Haparanda; (2) 47° in London, and at Oxford, and 49° at Valencia (Ireland); (3) 49° at Le Mans and Limoges. Rising during day to 65° and upwards in many parts of the United Kingdom, to 70° at Nairn, and to 72° at Leith. Exceeding 70° over the S^W. parts of France generally, and reaching 79° at Lisbon.

Wind N^W. or NE^by. over the south of our islands, and also over the Netherlands, France and the Spanish peninsula; light in force generally, but moderate to fresh in the west and south of France. Light from the W^nd. over the northern parts of the United Kingdom; moderate to strong from the same quarter or from NW. over Scandinavia and Finland; light from the NW^nd. or N^nd. over Denmark and Germany. Variable in Austria and Italy; E^by. or NE^by. in the south of Russia. No important change occurring over W^W. Europe during day.

Barometer highest 30·5 ins. and upwards over all but the extreme N^W. and SE^W. parts of our islands; 30·3 ins. and upwards in an anticyclone covering nearly the whole of W^W. Europe, and also in another system over the central and S^W. parts of Russia. Lowest 29·8 ins. and less in a depression over the extreme N. of Russia; 30·0 ins. and less in a very shallow area over Algeria. No decided change occurring during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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, 15th September, 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 ...	30·07	37	NE	0	0	30·02	-·01	44	42	+ 3	NE	0	b	*	b	*	52	30	-
	Hernösand ...	30·17	49	NE	0	0	30·15	-·06	55	51	+ 9	W	2	bc	*	b	*	57	45	0·04
	Stockholm ...	30·22	55	NE	0	0	30·25	-·06	54	50	+ 5	NE	0	b	*	c	*	57	45	-
	Wisby	30·25	56	NW	4	0	30·23	-·08	58	53	+ 3	E	4	c	*	o	*	58	46	-
	Karlstad ...	30·22	56	SW	2	b	30·22	-·11	52	50	+ 3	NE	2	o	*	b	*	*	*	-
	Bodö	30·10	47	NE	o	o	29·92	-·12	51	50	+ 5	SSW	4	r	2	o	*	51	45	0·51
	Christiansund ...	30·30	53	W	5	c	30·13	-·14	54	49	0	SW	2	o	3	c	*	55	42	0·08
	Skudesnaes ...	30·37	52	NNW	2	o	30·26	-·18	51	48	+ 1	NNE	2	c	1	o	*	57	46	*
	Faerder (Christiania Fjord)	30·22	60	SW	3	b	30·20	-·13	55	54	- 2	NNE	2	o	1	b	*	59	54	-
	Skagen (The Scaw)	30·27	51	SW	1	b	30·21	-·15	55	53	- 2	SW	3	c	0	b	*	68	50	-
	Fano	30·34	53	NW	1	b	30·28	-·09	55	53	+ 1	NW	2	o	*	b	*	64	53	-
British Isles.	Sumburgh Head	30·33	54	SW	3	o	30·08	-·33	54	54	0	W	2	r	3	c.o	*	59	52	0·10
	Stornoway ...	30·33	57	SSW	3	o	30·10	-·33	57	57	+ 3	WSW	3	r	4	o	0·0	57	53	0·08
	Wick	30·31	58	NE	o	o	30·16	-·32	54	53	- 4	S	1	r	1	o	*	62	52	0·05
	Nairn	30·39	59	W	1	bc	30·18	-·27	55	54	- 3	W	2	c	1	bc	*	67	52	0·06
	Aberdeen ...	30·40	55	NE	1	bc	30·20	-·27	52	51	- 12	NW	1	cw	1	cq.bc	5·4	63	44	-
	Leith	30·41	60	WSW	2	o	30·26	-·22	52	51	- 8	WSW	3	rm	*	o	*	65	51	0·03
	Shields	30·43	62	SW	2	rf	30·30	-·22	54	52	- 2	WSW	2	c	1	of.rf	*	66	51	0·02
	Spurn Head ...	30·44	57	E	1	cv	30·30	-·21	57	55	+ 2	W	3	cm	2	cv.f	*	61	53	-
	York	30·46	61	NW	1	r	30·32	-·22	56	54	0	NW	1	b	*	c.r	1·3	64	51	0·02
	Loughborough ...	30·46	60	SSE	1	c	30·36	-·18	50	50	- 5	N	0	cfw	*	om.c of	*	65	46	-
	Ardrossan ...	30·43	58	W	2	o	30·27	-·21	55	53	- 3	SW	2	o	1	c.o	*	61	51	0·13
	Malin Head ...	30·45	57	W	3	o	30·26	-·25	56	55	+ 1	WSW	4	ogmp	2	ogm	*	57	53	0·04
	Belmullet ...	30·49	58	WSW	1	o	30·35	-·22	58	57	+ 3	W	1	o	*	o	*	63	54	-
	Donaghadee ...	30·48	57	WNW	2	r	30·34	-·21	56	55	- 1	WSW	2	c	o	c.or	*	60	52	0·04
	Liverpool (Bidston)	30·46	58	WNW	1	m	30·35	-·17	57	56	- 5	N	o	m	?	m	*	63	54	-
	Holyhead ...	30·48	60	NW	1	c	30·36	-·17	58	57	- 2	W	1	cm	o	bc.c	*	63	55	-
	Parsonstown ...	30·47	65	N	o	b	30·39	-·17	54	53	0	N	o	bc	*	b	6·8	69	48	-
	Valencia ...	30·51	54	WSW	1	fq	30·42	-·14	54	53	+ 6	W	1	bcm	2	bm.fq	8·2	59	47	-
	Roche's Point ...	30·50	66	SSE	1	b	30·42	-·16	55	52	- 2	NNW	3	bcm	3	b	*	69	54	-
	Pembroke (St. Ann's Hd.)	30·43	61	NE	3	o	30·39	-·13	56	56	- 4	N	o	f	o	o	0·0	64	53	-
	Scilly	30·45	61	W	3	o	30·37	-·13	58	58	o	NW	3	mw	2	c.o.f	2·8	62	56	-
	Prawle Point ...	30·43	57	ENE	2	c	30·38	-·11	59	56	- 1	E	2	b	1	c	*	60	49	-
	Jersey (St. Aubin's)	30·40	61	ENE	3	bc	30·35	-·12	61	56	o	NNE	3	bc	3	cm	*	66	55	-
	Hurst Castle ...	30·41	61	NNE	1	bcm	30·36	-·12	58	56	o	NE	1	bm	1	c.bcm	*	65	50	-
	Dungeness ...	30·39	59	NE	3	c	30·32	-·14	57	55	- 1	NNE	3	op	2	c	*	63	53	-
	North Foreland	30·42	58	N	5	c	30·36	-·11	57	57	+ 1	NW	3	r	2	c	*	62	55	0·05
	London (Brixton) ...	30·44	59	NNE	2	og	30·35	-·15	54	52	- 1	N	o	f	*	c.o	3·2	65	48	-
	Oxford	30·46	53	N	1	b	30·37	-·16	54	53	- 1	N	1	mw	*	o.b	*	59	48	-
	Cambridge ...	30·44	57	N	1	o	30·36	-·17	52	52	- 3	N	1	omw	*	o	0·5	60	47	-
	Yarmouth ...	30·43	58	NNW	3	gp	30·32	-·17	57	55	o	NW	1	b	2	p.gp	*	60	50	0·02
Germany & Holland.	Cuxhaven ...	30·35	54	NE	o	o	?	?	54	54	- 2	W	2	r	*	o	*	59	52	0·10
	Berlin	30·34	58	W	2	c	30·28	-·09	54	52	o	NE	o	b	*	c	*	63	50	-
	Wiesbaden ...	*	*	*	*	*	30·22	-·14	58	53	+ 1	N	1	o	*	*	*	64	55	-
	Munich	30·27	55	NE	5	o	30·14	-·18	53	51	o	ENE	6	o	*	o	*	61	52	-
	The Helder ...	30·38	57	NNE	2	o	30·31	-·14	55	54	- 2	S	1	o	1	o	*	59	55	-
France & Belgium.	Brussels ..	*	*	*	*	*	30·30	-·14	53	51	- 2	NE	2	b	*	o	*	64	46	-
	Cape Gris Nez ...	30·35	58	E	4	c	30·26	-·13	57	54	- 1	E	3	o	3	c	*	64	54	-
	Paris	30·31	60	NNE	2	o	30·26	-·13	52	50	+ 2	N	2	o	*	o	*	66	50	-
	Brest	30·38	61	NE	1	b	30·38	-·07	54	53	+ 3	NE	1	bc	2	b	*	68	48	-
	Lorient	30·39	63	NE	4	c	30·34		53	52		NE	3	b	2	c	*	68	52	-
	Rochefort ...	30·28	65	NE	3	c	30·25	-·14	57	54	+ 4	NE	4	o	*	b.c	*	73	50	-
	Belfort	30·18	55	NE	1	o	30·07	-·20	56	52	+ 3	E	2	m	*	o	*	57	53	-
	Lyons ...	30·19	56	NNW	2	o	30·10	-·15	53	53	o	NNW	2	r	*	o	*	58	53	0·12
	Nice	30·01	66	W	o	bc	29·95	-·14	65	58	+ 7	W	o	o	o	bc	*	81	58	-
	Perpignan ...	30·14	66	NW	3	b	30·13	-·10	62	55	+ 2	NW	4	b	*	b	*	72	60	-
	Biarritz ...	30·21	65	NNW	3	c	30·20	-·05	59	55	+ 7	ESE	3	o	2	c	*	66	52	-
Peninsula.	Corunna ...																*			
	Lisbon ... ... †	30·12	71	NNW	5	bc	30·15	+·02	68	59	+ 1	NNE	2	b	*	bc	*	81	67	0·20
	Azores (P. Delgada)																*			

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

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

Bright Sunshine yesterday Southport 0·2 hrs;

WEATHER CHARTS

FOR Wednesday, 15TH September 1897.

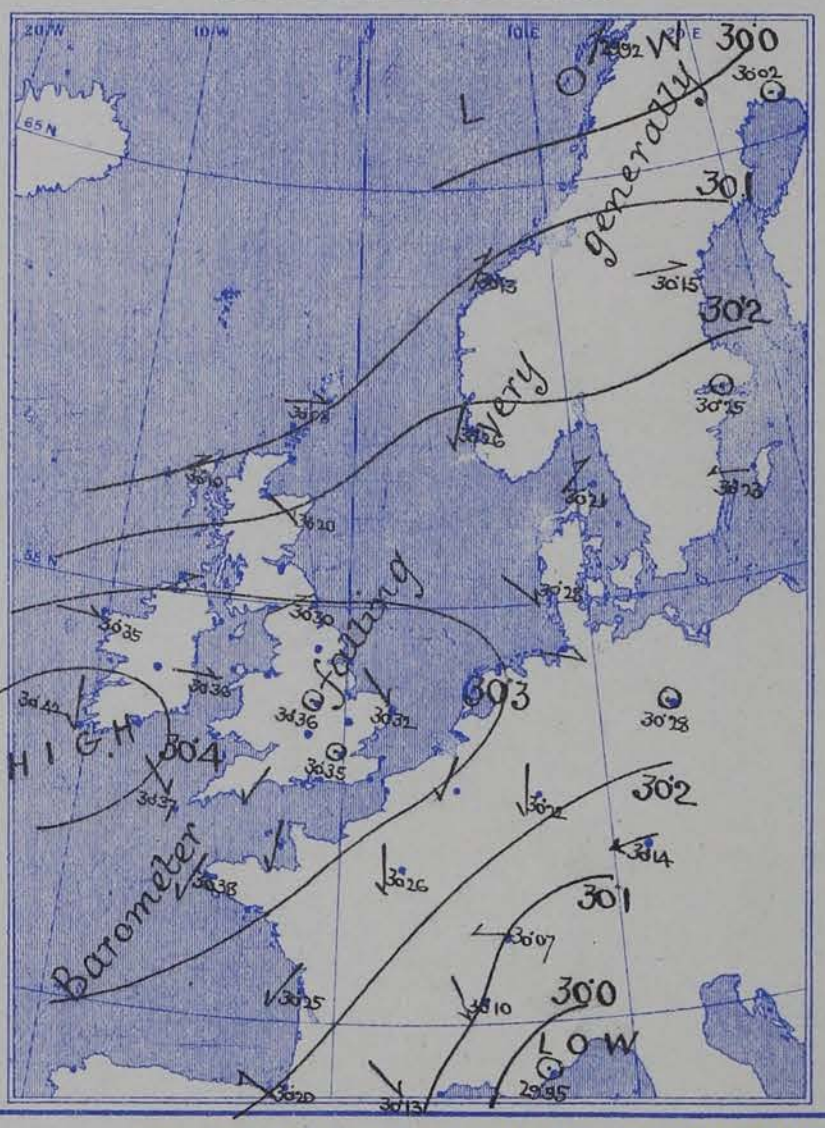
BAROMETER, WIND AND SEA.

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 ▦

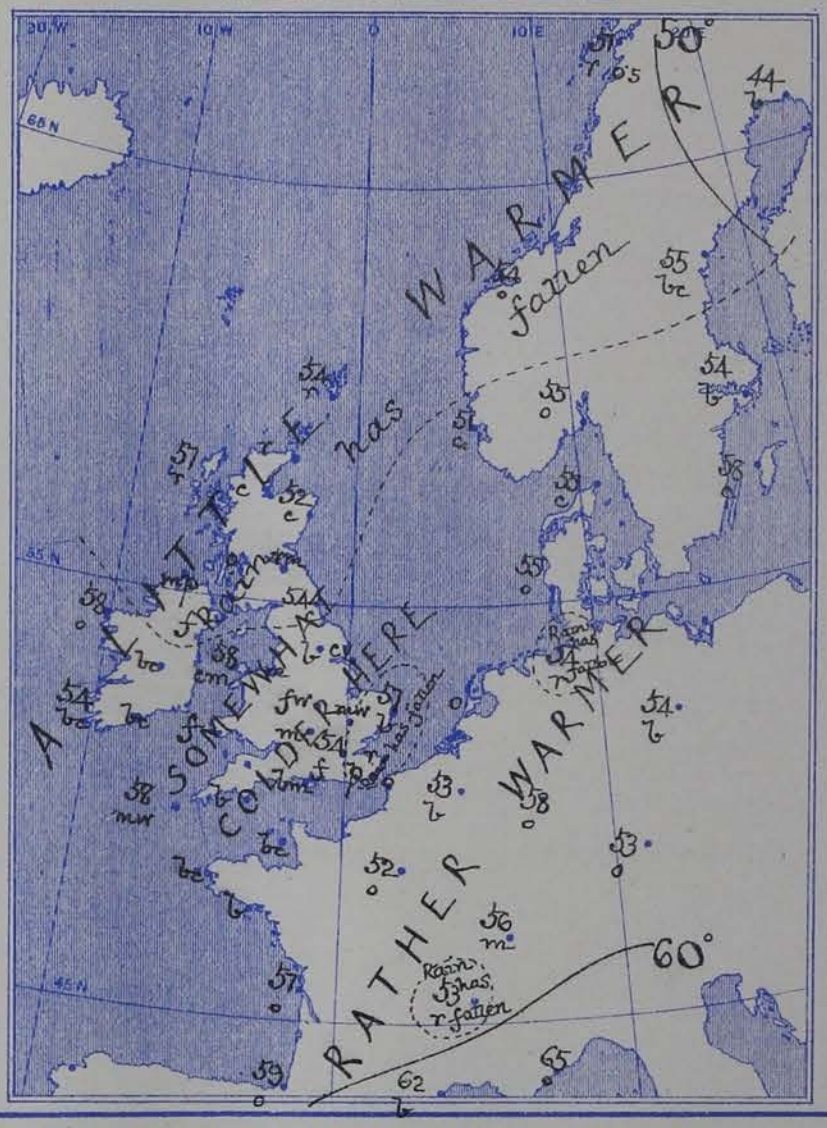


TEMPERATURE & WEATHER.

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 SEPTEMBER.*

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89. 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 ins and upwards, in the south of Ireland; 30·2 ins and upwards in an anticyclone covering all but the extreme northern and southern parts of our area.

Lowest, 30·0 ins and less, in a shallow depression lying over the north of Norway, and also in another disturbance over the Gulf of Genoa.

Gradients slight. Barometer falling generally.

TEMPERATURE

Highest, (1) 65° at Nice, 62° at Perpignan, and 59° at Biarritz; (2) 61° at Jersey, 59° at Pawlet Point, and 58° at Belmullet and Hurst Castle.

Lowest, (1) 44° at Haparanda, and 51° at Bodö and Skudenaes; (2) 50° at Loughborough and 52° at Aberdeen, Leith, and Cambridge.

During yesterday the thermometer rose to 65° and upwards in many parts of the United Kingdom, and to 69° at Parsonstown and Rockingham.

WIND

Light from the N.W. over the southern parts of our Islands and also over France, Belgium, and Western Germany.

SW. or W. over all the more northern parts of our Islands, and also over the northern parts of Scandinavia; W. in Denmark.

WEATHER

Fair over the United Kingdom as a whole, but with fog or mist in many places; rainy in the extreme north of Scotland and showery on the Kentish coast.

Fine in Sweden, but dull over the western parts of the Continent generally, with rain at Bodö, Cuxhaven, and Ryons.

A little rain fell yesterday at many of our northern stations. A solar halo was seen at Spurn Head.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is gradually giving way, and the conditions are becoming favourable for the advance of depressions towards our extreme northern coasts. At present, however, there are no signs of the approach of any serious disturbance.

FORECASTS

For the 24 hours ending at NOON on 16TH SEPT: **1897.**

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW. and W. winds, moderate or fresh; cloudy, some rain.
1 SCOTLAND EAST	SW. and W. winds, light; fair generally.
2 ENGLAND N.E.	
3 ENGLAND EAST	N. and NW. winds, light; fair generally but local fogs at night.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as No. 0.
7 ENGLAND N.W.	Same as Nos. 1 + 2.
8 ENGLAND S.W.	NW. winds, light; fair generally
9 IRELAND NORTH	Same as No. 0.
10 IRELAND SOUTH	NW. to W. winds, light; fair generally.
WARNINGS	None issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·41	57	54	NNW	4	0	2
Sumburgh Head	30·39	57	55	W	1	c	3
Stornoway	30·39	57	57	WSW	3	0	3
Aberdeen	30·42	62	58	SE	2	cg	1
Shields	30·48	63	59	Z	0	of	1
Ardrossan	30·45	60	57	NW	1	bc	1
Malin Head ...	30·49	57	56	W	3	0	1
Belmullet	30·53	59	57	WSW	2	0	*
Holyhead	30·50	62	60	NW	2	bc	1
Valencia	30·52	58	56	WSW	2	bm	2
Scilly	30·47	61	59	N	3	0	3
Jersey	30·42	66	61	NE	4	bc	3
Hurst Castle ...	30·46	64	58	NE	4	c	2
Dungeness ...	30·42	60	55	NE	4	c	3
North Foreland	30·46	60	56	N	5	c	4
London (Westminster)	30·46	63	54	NE	2	bc	*
Yarmouth ...	30·46	59	56	NNW	3	p	3
Rochefort ...	30·36	71	69	NE	3	b	*

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

Weather in morning fair over Western Europe as a whole, but dull on our own extreme northwest coasts, as well as at some stations in the southeast of England, with rain at the North Foreland. Dull in most of the northern, central, and southern parts of Europe, with rain in several isolated places, but fine at some of the Austrian stations. A little rain falling later over the northern parts of our Islands generally, but weather remaining fair and dry in the south; solar halo seen at Spurn Head.

Temperature risen in many parts of our Islands, but changed very irregularly elsewhere. Morning readings highest 84° at Sfax, 78° at Malta, and 77° at Naples, Cagliari, and Arcuale; above 65° in many parts of southern Europe, and very little below it in the east of Scotland. Lowest (1) 41° at Haparanda, 44° at Uleaborg, and 46° at Bodö, Hernösand and Archangel; (2) 48° at Valencia (Ireland); (3) 48° at Le Mans and 50° at Paris. Rising during day to 55° and upwards in many parts of our Islands, and to 69° at Parsonstown and Rockétpoint; exceeding 70° in the south of France, and reaching 81° at Nice as well as at Lisbon.

Wind NE' over England, France and the greater part of southern Europe; light or moderate in force in most places, but strong at Rochefort and Munich. W' over the northern parts of our Islands and Scandinavia, with a gale at Christiansund; N' or NW' over the south of Scandinavia, northern and western Russia, and the greater part of Germany and Austria; calm in Denmark. Subsequently backing to the SW'ly in the extreme north of Scotland, no important change occurring elsewhere.

Barometer highest 30·5 ins: and upwards over Ireland and England; 30·2 ins: and upwards, in an anticyclone covering the whole of western and central Europe. Lowest 29·8 ins: and less, in a shallow depression over northern Russia; 30·0 ins: and less, in another shallow system over Algeria. Slight fall of barometer taking place over Western Europe 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.

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 16th September, 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 ...	29.81	53	NNW	4	b	29.73	-.29	54	51	+10	NNW	2	bc	*	b	*	65	?	-
	Hernösand ...	30.01	53	ESE	2	b	29.81	-.34	49	48	-6	S	2	0	*	b	*	66	43	-
	Stockholm ...	30.15	53	S	2	bc	30.01	-.24	52	50	-2	SSW	4	0	*	bc	*	63	48	-
	Wisby	30.18	59	S	4	b	30.08	-.15	55	53	-3	S	4	0	*	b	*	63	46	-
	Karlstad ...	30.10	56	S	2	c	29.91	-.31	56	52	+4	SSW	6	r	*	c	*	*	*	-
	Bodö	29.73	52	SW	1	0	29.86	-.36	48	48	-3	E	1	r	1	0	*	52	46	0.47
	Christiansund ...	29.90	57	SW	3	0	29.75	-.38	52	48	-2	SW	3	c	4	0	*	59	50	0.04
	Skudesnaes ...	30.08	55	N	0	b	29.98	-.28	53	51	+2	NW	2	c	2	b	*	59	46	*
	Færder (Christiania Fjord)	30.10	57	SSE	1	0	29.89	-.31	57	54	+2	SW	4	bc	3	0	*	59	54	-
	Skagen (The Scaw)	30.09	57	W	1	c	29.98	-.23	57	55	+2	NNW	1	m	0	c	*	66	54	-
	Fanö	30.17	56	W	2	0	30.03	-.25	57	55	+2	SW	3	c	*	0	*	59	55	-
British Islands.	Sumburgh Head	29.96	50	W	1	bc	29.98	-.30	53	49	-1	NNW	2	c	3	0.bc	*	55	47	0.03
	Stornoway ...	30.06	54	W	3	0	29.82	-.27	52	52	-5	W	3	0	4	c.0	3.2	57	48	0.05
	Wick	30.07	56	NW	3	0	29.87	-.29	51	50	-3	NW	3	c	1	0	*	60	45	0.05
	Nairn	30.08	55	W	2	c	29.90	-.28	53	52	-2	W	1	c	1	c	*	67	45	0.06
	Aberdeen ...	30.05	56	SSE	1	bc	29.95	-.25	52	48	0	S	2	cw	1	c.bc	2.5	63	45	0.01
	Leith	30.12	57	W	2	0	30.01	-.25	54	51	+2	NNW	3	om	*	0	*	61	48	0.01
	Shields	30.17	59	SW	2	c	30.08	-.22	49	47	-5	W	3	c	1	c	*	62	47	-
	Spurn Head ...	30.19	58	SW	2	c	30.07	-.23	56	53	-1	WNW	2	c	2	c.d	*	63	53	-
	York	30.26	62	W	1	0	30.11	-.21	52	48	-4	W	1	b	*	c.0	3.4	66	48	-
	Loughborough ...	30.25	61	WNW	1	c	30.14	-.22	56	54	+6	W	3	cm	*	cm.om	*	67	50	-
	Ardrossan ...	30.14	53	W	3	0	30.03	-.24	55	53	0	SW	3	c	2	0	*	59	51	-
	Malin Head ...	30.22	54	NW	5	bc	30.05	-.21	55	52	-1	W	5	bcm	4	mt.bc	*	59	52	0.02
	Belmullet ...	30.32	56	NW	2	c	30.18	-.17	56	51	-2	W	3	0	*	0m.c	*	59	51	0.03
	Donaghadee ...	30.22	60	WNW	2	c	30.14	-.20	52	51	-4	WSW	3	bc	1	c	*	64	47	-
	Liverpool (Bidston)	30.25	56	WNW	3	0	30.14	-.21	55	50	-2	WNW	2	b	3	c.0	*	62	52	0.06
	Holyhead ...	30.27	59	SW	1	c	30.18	-.18	55	53	-3	WNW	2	c	1	bc.c	*	64	52	-
	Parsonstown ...	30.29	59	SW	1	0	30.27	-.12	52	51	-2	N	0	0	*	c.d	6.4	64	47	-
	Valencia ...	30.35	57	WSW	2	gfr	30.28	-.14	55	53	+1	WNW	2	0	3	cm.gfr	6.0	61	51	0.03
	Roche's Point ..	30.34	61	WNW	2	bc	30.27	-.15	55	52	0	NW	3	c	3	bc	*	64	50	-
	Pembroke (St. Ann's Hd.)	30.31	60	NW	3	b	30.21	-.18	56	54	0	NNW	4	bcw	1	b	6.9	63	52	-
	Scilly	30.34	59	WNW	1	b	30.24	-.13	58	57	0	NW	2	0	1	bcf.b	5.2	62	55	-
	Prawle Point ...	30.31	55	WSW	3	c	30.18	-.20	60	57	+1	WNW	2	c	1	c	*	66	52	-
	Jersey (St. Aubin's)	30.31	61	NW	3	b	30.21	-.14	61	58	0	WNW	3	c	3	bc.b	*	64	54	-
	Hurst Castle ...	30.27	61	SW	3	cm	30.16	-.20	57	55	-1	NW	1	cm	1	o.c	*	67	54	-
	Dungeness ...	30.25	61	N	0	0	30.12	-.20	58	55	+1	NW	1	cm	1	0	*	64	55	-
	North Foreland	30.27	59	NW	1	0	30.12	-.24	58	56	+1	NW	3	c	2	c.0	*	61	55	0.04
	London (Brixton) ...	30.24	60	SW	1	0	30.12	-.23	56	55	+2	W	1	bc	*	bc.op	1.7	67	53	0.01
	Oxford	30.25	59	NW	1	0	30.14	-.23	54	53	0	W	1	op	*	o.q.p	*	64	51	-
	Cambridge ...	30.23	61	N	0	0q	30.12	-.24	57	55	+5	NW	1	om	*	c.oqm	1.0	67	51	-
	Yarmouth ...	30.21	59	S	3	c	30.08	-.24	55	53	-2	NNW	2	bm	2	bc.c	*	60	52	0.09
Germany & Holland.	Cuxhaven ...	30.18	55	N	1	0	30.06	?	54	54	0	S	1	0	*	0	*	59	52	-
	Berlin	30.15	59	E	1	b	30.04	-.24	55	52	+1	NE	3	c	*	b	*	66	52	-
	Wiesbaden ...	*	*	*	*	*	30.02	-.20	55	53	-3	NW	1	c	*	*	*	61	54	-
	Munich	30.02	53	N	0	0	29.95	-.19	50	50	-3	W	5	0	*	0	*	59	50	0.28
	The Helder ...	30.21	59	N	1	0	30.05	-.26	56	55	+1	S	1	0	1	0	*	63	55	-
France & Belgium.	Brussels ...	*	*	*	*	*	30.13	-.17	58	53	0	S	1	f	*	0	*	63	45	-
	Cape Gris Nez ...	30.22	57	NE	2	0	30.10	-.16	59	58	+2	NNW	1	m	1	0	*	63	54	-
	Paris	30.21	55	N	2	0	30.17	-.09	53	53	+1	SSE	1	m	*	0	*	65	49	-
	Brest	30.33	60	NE	1	c	30.27	-.11	57	55	+3	NNW	1	c	1	c	*	66	50	-
	Lorient	30.30	61	NNE	2	c	30.27	-.07	55	52	+2	NW	2	c	2	c	*	68	52	-
	Rochefort ...	30.26	64	NW	4	bc	30.21	-.04	54	53	-3	NE	4	b	*	bc	*	70	50	-
	Belfort	30.03	54	NE	3	m	30.02	-.05	50	49	-6	SW	3	r	*	m	*	56	50	0.28
	Lyons	30.09	55	NW	2	r	30.12	+.02	53	51	0	NW	2	0	*	r	*	53	51	0.47
	Nice	29.86	64	W	5	b	29.86	-.09	60	55	-5	E	1	bc	2	b	*	75	54	-
	Perpignan ...	30.13	65	NW	4	bc	30.15	+.02	63	55	+1	W	3	b	*	bc	*	72	60	-
	Biarritz ...	30.21	66	NNW	4	c	30.18	-.02	61	55	+2	SE	3	0	2	c	*	70	57	-
Peninsula.	Corunna ...																*			
	† Lisbon	30.15	70	N	3	b	30.14	-.01	70	59	+2	NE	3	b	*	b	*	79	64	-
	Azores (P. Delgada)																*			

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 1.9 *hrs;*

WEATHER CHARTS

FOR Thursday, 16th September, 1897.

BAROMETER, WIND AND SEA.

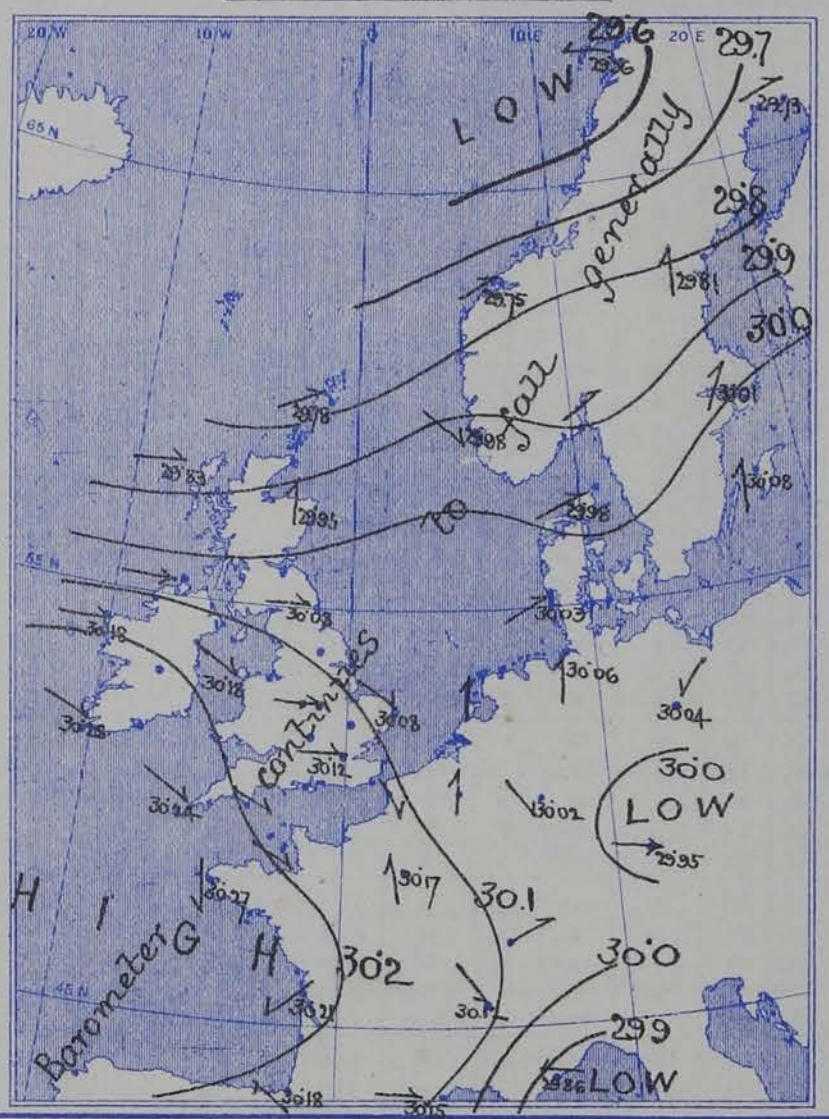
BAROMETER—Isobars are drawn for each tenth of an inch.

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

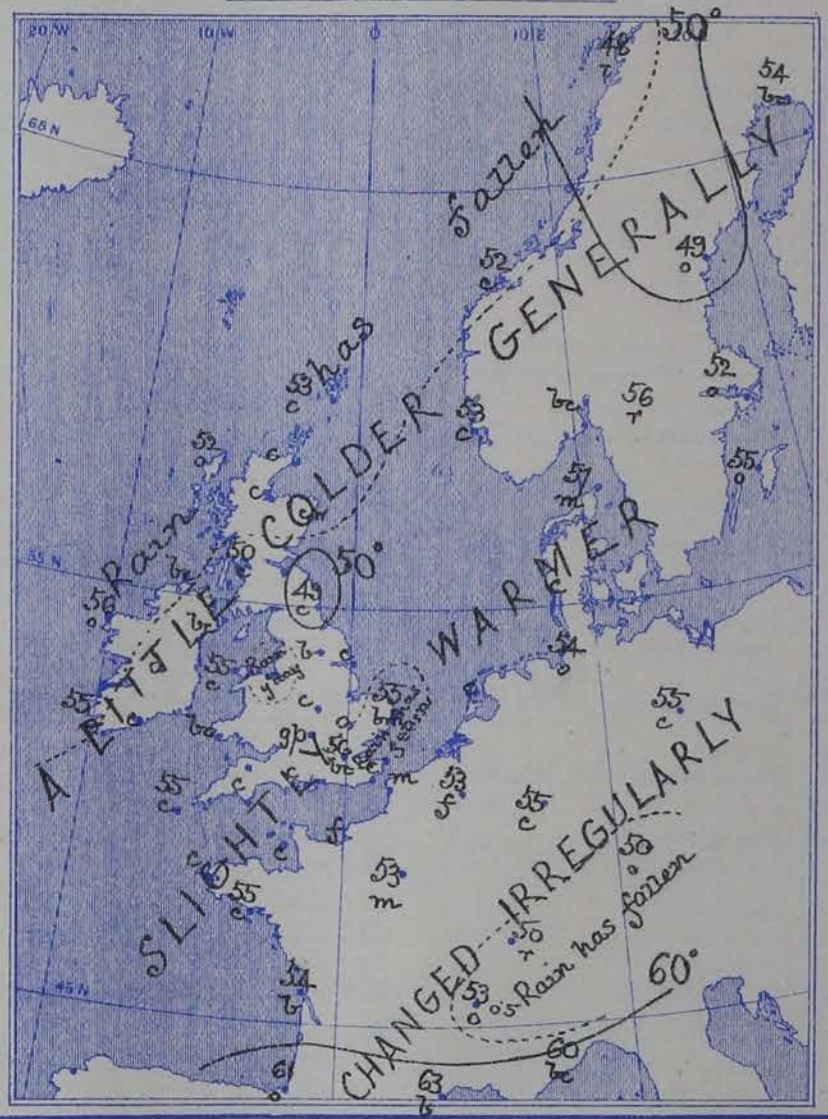


TEMPERATURE & WEATHER.

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 SEPTEMBER.*

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* 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 the southwest of our Islands, the Bay of Biscay, and the northwest of France.
Lowest, 29·6 ins: and less, in a depression lying off the northwest of Norway; 30·0 ins: and less, in a shallow area over the southern parts of Germany.
Gradients slight. Barometer falling generally,—most in the extreme north.

TEMPERATURE

Highest, 63° at Perpignan, 61° at Jersey, 60° at Prawle Point and Nice, and 59° at Hunt Castle and Cape Gris Nez.
Lowest, (1) 48° at Bodö and 49° at Hernösand; (2) 49° at Shields and 51° at Wick; (3) 50° at Belfort and Munich.
During yesterday the thermometer rose to between 60° and 65° in many parts of our Islands, and to 67° at Nairn, Loughborough, Hunt Castle, London, and Cambridge.

WIND

Light from the W.ly over the northern parts of our Islands, and from the NW.ly over our southern coasts and the north of France; variable in the south of France.
Light from the S.ly in the Netherlands, moderate to fresh from the same quarter or from SW. over Denmark and the greater part of Scandinavia.

WEATHER

Fair over Western Europe as a whole, but dull in places.
Fog is reported at Brussels, and slight occasional rain at Oxford; rain is falling also at Bodö, Karlstad, and Belfort.
A little rain fell yesterday in several parts of the United Kingdom, and larger quantities at Bodö and Munich.

SEA

Slight or smooth on nearly all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone recently noticed over Western Europe is passing away to the southwestward, and the low pressure system in the north is spreading Southwards. Showery weather seems likely in most parts of the United Kingdom, but at present there are no indications of any serious increase in the strength of the wind.

FORECASTS

For the 24 hours ending at NOON on 17th SEPT. **1897.**

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W.ly to NW.ly winds, freshening; cloudy, unsettled, some rain.
1	SCOTLAND EAST	
2	ENGLAND N.E.	W.ly to NW.ly winds, moderate; changeable, some showers.
3	ENGLAND EAST	W.ly to NW.ly winds, moderate; changeable, some showers, cooler.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos 0 and 1.
7	ENGLAND N.W.	Same as No 2
8	ENGLAND S.W.	W.ly and NW.ly winds, light; cloudy. Some showers.
9	IRELAND NORTH	Same as Nos 0 & 1.
10	IRELAND SOUTH	Same as No 8.
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·18	58	52	NW	4	0	2
Sumburgh Head	29·99	54	54	W	2	0	3
Stornoway	30·09	57	56	NNW	3	c	4
Aberdeen	30·12	60	55	S	2	c	1
Shields	30·23	60	55	SW	3	c	1
Ardrossan	30·18	52	51	SW	3	o	2
Malin Head ...	30·21	57	57	W	4	r	2
Belmullet	30·31	56	56	?W	2	om	#
Holyhead	30·32	61	57	W	2	bc	1
Valencia	30·38	60	57	W	3	cm	3
Scilly	30·36	60	58	WNW	1	bcf	1
Jersey	30·33	64	58	N	4	bc	3
Hurst Castle ...	30·31	67	61	WSW	1	c	1
Dungeness ...	30·28	63	57	NE	3	o	2
North Foreland	30·29	61	58	NW	3	c	2
London (Westminster)	30·28	65	59	L	0	o	#
Yarmouth ...	30·25	60	56	WSW	2	bc	2
Rochefort ...	30·27	68	66	NW	4	bc	#

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 with fog or mist in many places; rainy in the extreme north of Scotland, and showery on the Kentish coasts. Fine in Sweden and Finland, but cloudy or dull in most other Continental countries, with rain at several isolated stations, and a thunderstorm at Lyons. Slight rain falling later in many parts of the United Kingdom, and larger quantities at Bodö and Munich; clly, clearing over the western part of the Continent.

Temperature rain in the extreme west of our Islands, as well as over Scandinavia and the greater part of southern Europe, but fallen in most other localities. Morning readings highest 82° at Sfax, 80° at Malta, and 79° at Naples, Athens, Patras, and Tunis; above 65° over southern Europe generally. Lowest 40° at Thorshavn, 41° at Helsingfors, and 14° at Haparanda and Upsala and 45° at Moscow. Rising during day to 65° or a little above it in several parts of Great Britain; exceeding 70° in the south of France and reaching 79° at Lisbon.

Wind light from the W^ard or SW^ard over all the more northern parts of our Islands and also over Denmark and the northern parts of Scandinavia, but varying between N. and E. in the south of Scandinavia. Light to moderate from the N^ward in the south of our Islands, and from the same quarter or from NE. over Belgium, Western Germany, France and the Spanish Peninsula. Calm or variable over Eastern Germany; E^ly or NE^ly in Austria, N^ly or NW^ly in Russia; variable in Italy. Subsequently veering to the NW^ard in the north of Ireland, no important change occurring Elsewhere.

Barometer highest 30·4 in. and upwards, in the south of Ireland; 30·2 in. and upwards in an anticyclone covering nearly the whole of western and central Europe. Lowest 29·8 in. and less, in a depression over Central Russia, – 30·0 in. and less, in two shallow systems, one lying over Corsica and the Gulf of Genoa and the other over Tunis. Anticyclone dispersing gradually later, and further low-pressure systems beginning to appear off the Norwegian 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.

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DAILY WEATHER REPORT

for 8 a.m. on Friday, 17th September, 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.)						
		Ins.	°				Ins.	Ins	°	°	°						Max. °	Min. °	Ins.
Scandinavia	Haparanda ...	29.73	51	SW	4	0	29.78	+.05	53	51	− 1	S	2	0	5	0	*	55	43	-
	Hernösand ...	29.78	50	W	0	b	29.71	−.10	55	54	+ 6	S	4	0	*	b	*	59	39	-
	Stockholm ...	29.89	54	W	0	0	29.82	−.19	55	54	+ 3	SSE	4	0	*	0	*	59	46	-
	Wisby	29.97	52	SSW	4	0	29.84	−.24	55	54	0	SSE	4	0	*	0	*	61	48	-
	Karlstad ...	29.80	56	S	2	0	29.69	−.22	53	52	− 3	SSW	4	1	*	0	*	*	*	0.12
	Bodö	29.58	48	SW	4	1	29.59	+.03	49	44	+ 1	E	4	bc	2	1	*	54	43	0.24
	Christiansund ...	29.65	52	SW	2	bc	29.41	−.34	52	47	0	SE	4	c	3	bc	*	57	48	-
	Skudesnaes ...	29.75	55	SW	4	c	29.48	−.50	54	51	+ 1	SSW	7	0	4	c	*	59	50	*
	Færder (Christiania Fjord)	29.75	58	SSW	5	0	29.63	−.26	56	52	− 1	SSW	2	0	2	0	*	61	54	-
	Skagen (The Scaw)	29.80	57	SW	3	m	29.65	−.33	54	53	− 3	W	1	c	0	m	*	59	54	0.08
	Fanö	29.82	56	W	0	0	29.68	−.35	55	52	− 2	NNW	2	c	*	0	*	57	50	0.04
British Islands.	Sumburgh Head	29.51	49	WSW	3	1	29.39	−.45	47	45	− 6	W	2	c	4	c.1	*	55	42	0.44
	Stornoway ...	29.60	50	W	4	0	29.52	−.31	45	45	− 7	N	2	c	3	1.0	1.5	53	44	0.30
	Wick	29.59	50	SW	2	0	29.46	−.41	49	48	− 2	NW	4	c	2	0	*	55	37	0.05
	Nairn	29.63	50	W	2	1	29.50	−.40	47	45	− 6	W	2	c	1	1	*	59	41	0.22
	Aberdeen ...	29.67	54	WSW	4	cq	29.49	−.46	49	45	− 3	NW	4	bq	2	cq.1	3.4	61	43	0.01
	Leith	29.77	53	W	2	bc	29.54	−.47	51	48	− 3	WSW	3	bm	*	bc	*	63	46	0.01
	Shields	29.86	56	SW	2	c	29.55	−.53	49	47	0	W	3	c	2	c.1	*	61	47	0.01
	Spurn Head ...	29.94	57	WNW	4	c	29.63	−.44	52	50	− 4	W	5	c	4	c	*	61	48	-
	York	29.96	56	W	2	bc	29.61	−.50	53	50	+ 1	W	2	bc	*	bc	6.2	62	48	0.02
	Loughborough ...	30.01	54	W	1	c	29.72	−.42	52	50	− 4	WSW	3	cm	*	cm.oq.c	*	61	47	-
	Ardrossan ...	29.76	55	WSW	3	0	29.58	−.45	52	49	− 3	WNW	3	bc	2	0.q	*	58	48	0.15
	Malin Head ...	29.78	51	W	7	cq.1	29.65	−.40	51	50	− 4	NNW	5	c	4	c.q.1	*	57	45	0.23
	Belmullet ...	29.96	56	W	5	0	29.79	−.39	55	51	− 1	WNW	4	0	*	0	*	58	51	0.01
	Donaghadee ...	29.91	55	WSW	4	c	29.67	−.47	50	47	− 2	W	4	bc	2	c	*	63	45	0.01
	Liverpool (Bidston)	29.98	54	WSW	3	0	29.68	−.46	51	47	− 4	W	6	0	5	0p	*	62	50	-
	Holyhead ...	30.00	56	SW	2	c	29.74	−.44	52	49	− 3	W	6	cpm	4	c	*	58	49	0.03
	Parsonstown ...	30.03	55	W	1	0	29.79	−.48	54	51	+ 2	W	2	b	*	c.0.1	3.6	64	46	-
	Valencia ...	30.15	57	W	3	0	29.92	−.36	56	53	+ 1	W	6	0q	5	c.0	2.0	58	52	-
	Roche's Point ..	30.14	59	W	3	c	29.89	−.38	55	52	0	W	4	bc	3	c	*	60	52	-
	Pembroke (St. Ann's Hd.)	30.06	56	WNW	5	c	29.85	−.36	56	54	0	NW	6	cq	4	c	3.4	57	55	-
	Scilly	30.15	57	WNW	4	c	29.94	−.30	57	54	− 1	WNW	5	c	3	0.c	1.8	59	53	-
	Prawle Point ...	30.11	54	WNW	3	c	29.90	−.28	55	52	− 5	W	4	c	3	c	*	62	48	-
	Jersey (St. Anbin's)	30.10	61	WNW	3	0q	29.95	−.26	58	53	− 3	W	3	c	4	c.0q	*	64	52	-
	Hurst Castle ...	30.03	59	WNW	3	0	29.84	−.32	57	54	0	W	4	0	2	cm.0	*	67	51	-
	Dungeness ...	30.01	61	WNW	1	cm	29.80	−.32	58	54	0	WSW	3	bc	2	c.cm	*	69	48	-
	North Foreland	30.01	60	W	2	f	29.78	−.34	54	52	− 4	SW	3	b	2	m.f	*	64	47	-
	London (Brixton) ...	30.01	59	NW	2	c	29.78	−.34	54	51	− 2	WSW	2	0	*	0.b	0.7	62	45	-
	Oxford	30.00	53	W	2	0	29.78	−.36	53	51	− 1	WSW	2	0d	*	c.0	*	61	46	-
	Cambridge ...	30.00	57	NW	1	0m	29.74	−.38	53	50	− 4	SW	3	cw	*	c.0m	1.5	64	43	-
	Yarmouth ...	29.96	57	NNW	2	c	29.72	−.36	52	49	− 3	SW	4	bc	3	c	*	60	45	-
Germany & Holland.	Cuxhaven ...	29.93	57	W	2	0	29.74	−.32	55	53	+ 1	SW	2	0	*	0r	*	61	54	0.04
	Berlin	29.88	60	NW	2	c	29.77	−.27	53	51	− 2	SW	1	f	*	c	*	68	52	-
	Wiesbaden ...	*	*	*	*	*	29.85	−.17	53	52	− 2	L	0	0	*	*	*	61	52	-
	Munich... ..	29.97	50	W	5	0	29.93	−.02	49	48	− 1	W	6	r	*	0	*	55	46	0.04
	The Helder ...	29.92	57	NW	2	0	29.72	−.33	56	50	0	SW	3	bc	1	0	*	63	52	-
Belgium.	Brussels ...	*	*	*	*	*	29.84	−.29	54	53	+ 1	SW	2	f	*	m	*	61	49	0.04
	Cape Gris Nez...	29.99	60	NW	1	m	29.82	−.28	55	51	− 4	W	4	c	4	m	*	64	52	-
	Paris	30.05	60	WNW	2	0	29.93	−.24	53	52	0	W	2	?	*	0	*	62	51	0.04
	Brest	30.17	57	N	1	0	30.06	−.21	57	54	0	NW	2	0	2	0	*	63	50	-
	Lorient... ...	30.15	60	NW	4	c	30.07	−.20	56	55	+ 1	NW	3	c	3	c	*	64	52	-
France &	Rochefort ...	30.14	63	NW	4	0	30.07	−.14	59	55	+ 5	NW	4	0	*	c.0	*	68	50	-
	Belfort	30.07	51	W	3	1	29.96	−.06	49	49	− 1	W	2	f	*	r	*	54	48	0.12
	Lyons	30.08	54	NNW	1	0	30.00	−.12	52	52	− 1	SSE	1	b	*	0	*	57	51	0.04
	Nice	29.78	63	SW	0	b	29.80	−.06	59	55	− 1	E	1	c	1	c	*	73	55	-
	Perpignan ...	30.06	65	W	4	0	30.01	−.14	62	54	− 1	NW	3	0	*	0	*	73	60	-
	Biarritz ...	30.16	65	NNW	3	b	30.06	−.12	58	54	− 3	SE	3	0	2	b	*	72	55	-
Penin-sula.	Corunna ...																*			
†	Lisbon	30.07	66	NNW	5	b	30.00	−.14	66	59	− 4	NNE	3	b	*	b	*	82	61	-
	Azores (P. Delgada)	30.38	69	NE	4	c	30.34	−.03	68	63	− 1	NE	4	bc	4	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 1.1 hrs;

WEATHER CHARTS

FOR FRIDAY, 17TH SEPTEMBER 1897.

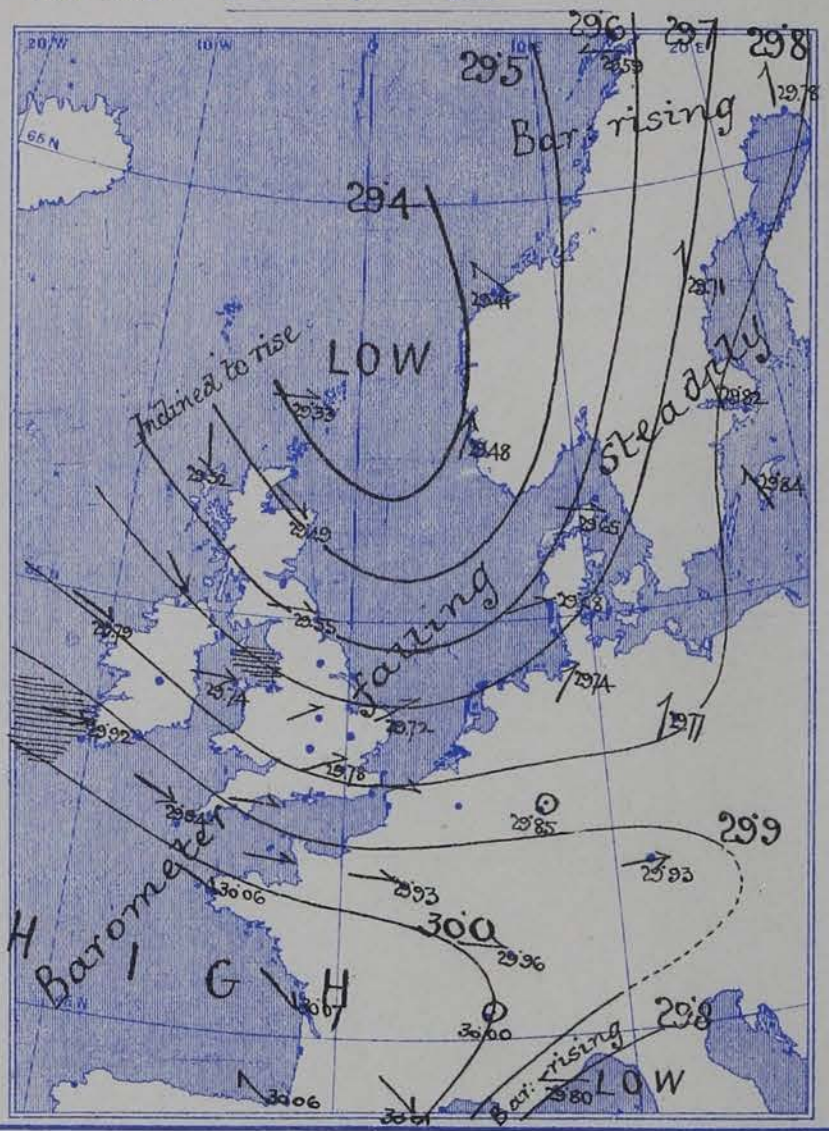
BAROMETER, WIND AND SEA.

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* ▬

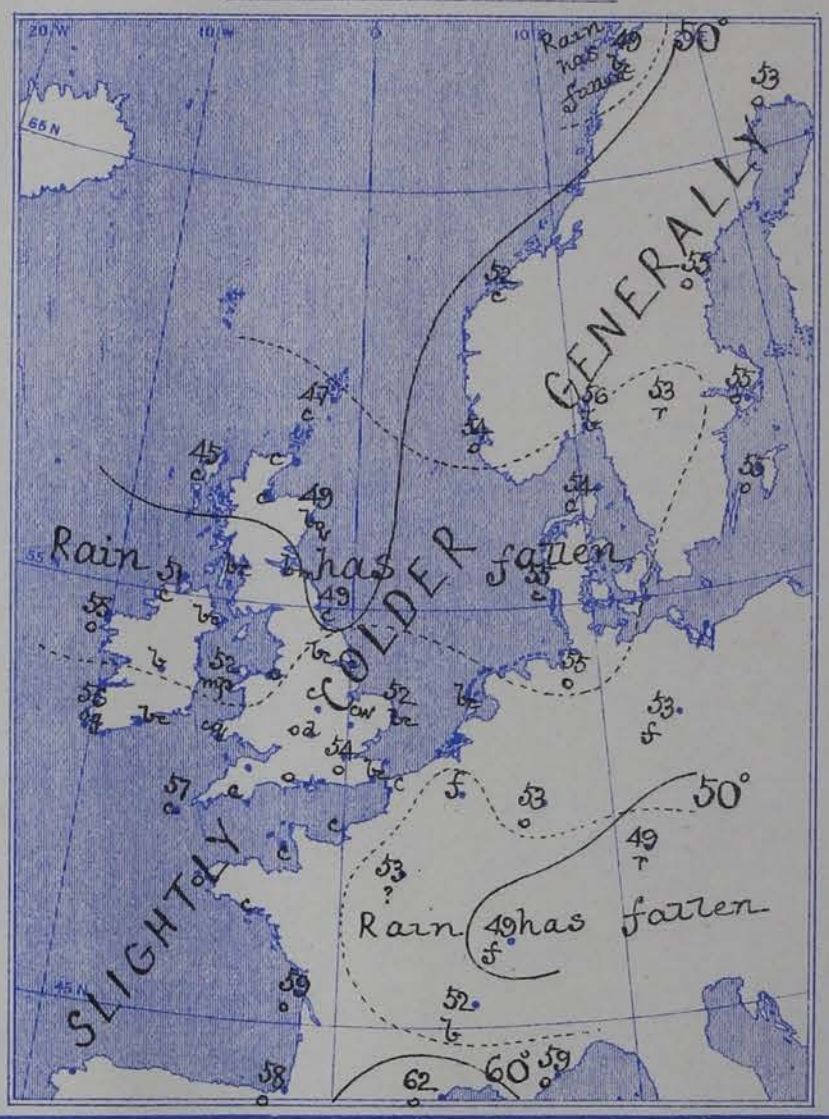


TEMPERATURE & WEATHER.

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 SEPTEMBER.

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	92	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* 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 the western and southern parts of France.
Lowest, 29·4 ins: and less, in a depression lying between the northeast of Scotland and the Norwegian coasts.
Gradients moderate generally, but slight over Germany and the greater part of France.
Barometer falling in most places, but rising in the north of Scandinavia, and inclined to rise in the north of Scotland.

TEMPERATURE

Highest. 67° at Perpignan, 59° at Rochefort and Nice, 58° at Jersey and Dungeness, and 57° at Scilly, Hunt Castle, and Brest.
Lowest, (1) 45° at Fenoway, 47° at Fearnbugh Hd and Nairn, and 48° at Leith, Wick, and Aberdeen; (2) 49° at Belfast and Munich.
The maxima registered yesterday were below 60° in many parts of our western and extreme northern coasts, and below 65° in most other parts of the Kingdom: at Hunt Castle, however, the thermometer rose to 67° and at Dungeness to 69°.

WIND

W[3] to NW[3] over the greater part of our Islands and France, and strong in force at many of our western stations.
Light to moderate from the SW[ard] over the southeast of England, and also over the Netherlands, Denmark, and North Germany.
S[2] in Scandinavia, and strong in force at Thorshavn.

WEATHER

Fair over the United Kingdom as a whole, but dull in the west of Ireland, and showery at Holyhead.
Cloudy or dull at most of the Continental stations, with fog at Brussels, Berlin, and Belfort, and rain at Karlstad and Munich.
Rain fell yesterday over the northern parts of our Islands generally, as well as at many of the Continental stations. Solar and lunar halos were seen at Oxford.

SEA

Moderate to smooth generally, but rather rough at Liverpool and Valencia (Ireland).

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Since yesterday morning the depression in the far north has spread southeastwards. This change appears to be still in progress, and showery weather is probable in most parts of the United Kingdom, with strong NW[3] winds on our western coasts.

FORECASTS

For the 24 hours ending at NOON on 18[TH] SEPT: 1897.

DISTRICTS.	FORECASTS.
▽ 0 SCOTLAND NORTH	NW[2½] winds, freshening; changeable, some showers.
▽ 1 SCOTLAND EAST	W[2½] winds, freshening; changeable, some showers.
2 ENGLAND N.E.	
3 ENGLAND EAST	SW[2½] to W[2½] winds, freshening; changeable, some showers.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
▽ 6 SCOTLAND WEST	NW[2½] winds, strong; squally, some showers.
▽ 7 ENGLAND N.W.	
8 ENGLAND S.W.	W[2½] and NW[2½] winds, strong in places, squally, some showers.
▽ 9 IRELAND NORTH	Same as Nos 6 and 7.
10 IRELAND SOUTH	Same as No 8.
WARNINGS	At 7·15 pm yesterday to districts 0, 6, 7, 9 and part of 1 "Hoist South Cone".

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·88	58	52	SW	2	c	2	Valencia	30·23	58	54	NSW	3	o	4
Sumburgh Head	29·63	52	51	NSW	2	o	4	Scilly	30·21	58	56	NNW	3	o	1
Stornoway	29·69	50	50	N	4	r	4	Jersey	30·15	63	58	N	4	c	3
Aberdeen	29·78	57	51	SSW	4	cq	2	Hurst Castle ...	30·08	67	62	NSW	2	cm	1
Shields	29·97	59	52	NSW	4	c	2	Dungeness ...	30·05	63	56	NNW	2	c	1
Ardrossan	29·93	56	53	NSW	3	o	2	North Foreland	30·04	62	57	NW	2	m	2
Malin Head ...	29·90	56	54	W	6	c	5	London (Westminster)	30·05	62	57	NNW	2	o	*
Belmullet	30·09	57	53	N	3	o	*	Yarmouth ...	30·01	60	56	NNW	3	c	3
Holyhead	30·10	58	52	NNW	2	c	1	Rochefort ...	30·17	68	64	NE	3	c	*

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

Weather in morning fair over northwestern Europe as a whole, but dull in places, with slight rain at Oxford; rain falling also at Bodö and Karlstad. Dull in most parts of France, Germany, Austria, and northern Italy, with fog at Swinemunde and Neufahrwasser, and rain at Belfort and Le Mans; fine over the Spanish Peninsula and also over the central and southern parts of Russia. Rain falling later over the northern parts of our Islands generally, as well as in Denmark, the west of Norway, and some parts of France and Germany.

Temperature fallen in the northwest and extreme north of our Islands, changed irregularly elsewhere. Morning readings highest 81° at Syra, 80° at Malta, 75° at Biskra, and 73° at Athens and Tunis; above 65° in many parts of southern Europe. Lowest (1) 36° at Moscow, 39° at Kharkov, and 41° at Archangel and Kiev; (2) 49° at Shields and 51° at Wick. Daily maxima below 60° on many parts of our own western and extreme northern coasts, and below 65° in nearly all other parts of the Kingdom, but thermometer reaching 69° at Dungeness. Exceeding 70° in the south of France, and reaching 82° at Lisbon.

Wind light from the W.ᵂᵈ over the northern parts of our Islands, and from the NW.ᵂᵈ over our southern coasts and the north of France. S. or SW. over the Netherlands, Denmark, Scandinavia, and northern Russia, and strong in force at Karlstad and Haparanda; N. or NW. over the south of Russia. Variable over Austria, Italy, and the south of France; NE. over the Spanish Peninsula. Subsequently increasing from the W.ᵂᵈ on our extreme northwest coasts, and blowing with the force of a gale at Malin Head.

Barometer highest 30·2 in. and upwards in an anticyclone lying over the southwest of our Islands and the northwestern parts of France and Spain, as well as in another system over the northwest of Russia. Lowest 29·6 in. and less, in a depression lying off the northwest of Norway, 29·8 in. and less, in two other systems — one lying over Eastern Austria and the other over Switzerland. Depression in north subsequently spreading southwards, 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.

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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 18th September, 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 ...	29.82	54	S	4	o	29.83	+.05	53	50	0	S	2	o	#	o	#	55	48	0.04
	Hernösand ...	29.72	55	S	4	o	29.77	+.06	54	51	-1	S	6	o	#	o	#	57	43	-
	Stockholm ...	29.80	55	S	4	o	29.78	-.04	55	51	0	SE	2	b	#	o	#	61	50	-
	Wisby	29.84	48	S	4	b	29.80	-.04	54	50	-1	S	4	b	#	b	#	61	46	-
	Karlstad ...	29.64	53	SW	2	r	29.65	-.04	54	52	+1	SSE	2	o	#	r	#	#	#	0.83
	Bodö	29.51	53	L	0	c	29.59	.00	53	49	+4	E	2	b	1	o	#	57	48	0.16
	Christiansund ...	29.40	50	SW	2	bc	29.48	+.07	50	48	-2	E	1	c	3	bc	#	54	48	-
	Skudesnaes ...	29.46	50	NNW	4	o	29.57	+.09	47	46	-1	N	1	bc	3	c.o	#	55	45	#
	Færder (Christiania Fjord)	29.58	51	S	4	c	29.56	-.07	55	53	-1	SSE	4	o	3	c	#	59	54	0.04
	Skagen (The Scaw)	29.60	51	NSW	4	o	29.58	-.07	54	51	0	SW	3	b	0	o	#	59	52	-
	Fanö	29.58	53	NSW	2	c	29.60	-.08	52	49	-3	SW	1	b	#	klr.c	#	63	50	0.20
	Sumburgh Head	29.40	47	W	3	bc	29.40	+.07	46	44	-1	NNW	2	c	3	bc	#	50	39	0.38
	Stornoway ...	29.62	46	NNW	3	r	29.70	+.18	46	46	+1	NNW	3	c	4	c.r	8.6	51	41	0.25
	Wick	29.51	51	SW	4	o	29.56	+.10	48	47	-1	N	5	c	4	hp.o	#	54	40	0.12
	Nairn	29.58	51	W	1	c	29.65	+.15	46	45	-1	NW	2	bc	2	c	#	55	40	0.02
	Aberdeen ...	29.55	48	NW	3	bc	29.62	+.13	48	44	-1	NNW	6	bcq	3	cq.bc	8.5	55	40	-
	Leith	29.55	52	L	0	bc	29.67	+.13	48	44	-3	WNW	3	bm	#	bc	#	62	40	0.06
	Shields	29.57	50	L	0	c	29.65	+.10	42	40	-7	WNW	3	c	2	bc.r.c	#	57	40	0.05
	Spurn Head ...	29.58	53	NSW	4	c	29.57	-.06	49	48	-3	NNW	6	rq	4	c	#	57	46	0.05
	York	29.59	52	NW	1	c	29.64	+.03	46	44	-7	NNW	1	o	#	c	8.1	60	44	-
	Loughborough ...	29.63	52	SSW	1	r	29.63	-.09	46	45	-6	WNW	2	omw	#	c.or.cm	#	61	44	0.15
British Isles	Ardrossan ...	29.55	52	WNW	2	b	29.68	+.10	49	45	-3	NW	2	b	1	bc.b	#	56	42	-
	Malin Head ...	29.67	47	NNW	5	c	29.77	+.12	50	47	-1	NNW	6	c	4	bc.hq	#	52	44	0.11
	Belmullet ...	29.77	52	N	3	c	29.96	-.17	50	46	-5	WNW	3	o	#	bc.c	#	55	46	0.03
	Donaghadee ...	29.63	50	NW	5	bp	29.75	+.08	51	47	+1	NNW	6	bc	4	p	#	57	46	0.09
	Liverpool (Bidston)	29.59	49	W	1	o	29.68	.00	49	45	-2	N	2	b	2	p.tl	#	55.	42	0.33
	Holyhead ...	29.63	50	NW	3	cp	29.72	-.02	52	49	0	N	5	bc	4	c	#	57	47	0.20
	Parsonstown ...	29.71	51	NW	1	bc	29.86	+.07	45	44	-9	W	1	c	#	c.p	3.9	57	36	0.02
	Valencia ...	29.80	54	NNW	5	cq	29.93	+.01	52	47	-4	N	4	c	4	cp.cq	3.2	58	45	0.09
	Roche's Point ..	29.73	54	NW	4	cp	29.89	.00	49	46	-6	N	5	bc	3	cp	#	56	45	0.06
	Pembroke (St. Ann's Hd.)	29.65	56	NNW	6	r	29.74	-.11	51	48	-5	N	5	bcqp	4	c.r	3.4	59	46	0.24
	Scilly	29.79	58	W	4	c	29.75	-.19	54	48	-3	NNW	5	c	3	c	2.6	61	48	0.14
	Prawle Point ...	29.75	55	W	5	c	29.69	-.21	54	50	-1	NNW	3	b	2	c	#	60	43	0.04
	Jersey (St. Aubin's)	29.80	59	W	5	cq	29.63	-.32	54	51	-4	WNW	3	bc	3	o.pm	#	62	52	0.21
	Hurst Castle ...	29.70	59	WSW	5	cu	29.62	-.22	50	49	-7	NW	4	b	2	c.mp	#	65	47	-
	Dungeness ...	29.68	60	WSW	4	bc	29.53	-.27	52	51	-6	NW	3	c	2	c.bc.p	#	66	51	0.34
	North Foreland	29.69	56	SW	3	c	29.53	-.25	53	52	-1	NW	3	o	2	b.c.l	#	62	50	0.21
	London (Brixton) ...	29.69	56	WSW	2	o	29.57	-.21	48	46	-6	NNW	2	o	#	c.bc.or	3.3	63	47	0.33
	Oxford	29.64	52	W	4	r	29.63	-.15	43	42	-10	N	3	ou	#	p	#	61	43	0.03
	Cambridge ...	29.64	54	SW	2	or	29.58	-.16	46	46	-7	NW	2	om	#	c.op.r	3.7	61	44	0.19
	Yarmouth ...	29.63	57	W	2	c	29.52	-.20	49	48	-3	NW	2	omr	3	c	#	59	47	0.20
Germany & Holland.	Cuxhaven ...	29.63	55	S	1	o	29.64	-.10	48	48	-7	S	2	f	#	o	#	63	45	-
	Berlin	29.75	55	SSW	1	o	29.76	-.01	53	52	0	SW	1	c	#	o	#	59	52	0.04
	Wiesbaden ...	#	#	#	#	#									#	#	#			
	Munich... ..	29.90	48	W	2	c	29.89	-.04	51	50	+2	S	1	c	#	c	#	52	46	0.12
	The Helder ...	29.61	55	WSW	2	r	29.52	-.20	52	51	-4	S	2	r	1	r	#	59	52	0.47
France & Belgium.	Brussels ...	#	#	#	#	#	29.62	-.22	53	51	-1	SSE	2	o	#	o	#	61	49	0.12
	Cape Gris Nez...	29.70'	58	W	5	o	29.52	-.30	55	54	0	WSW	6	o	6	o	#	59	52	0.28
	Paris	29.84	56	SW	2	o	29.69	-.24	52	51	-1	S	2	o	#	o	#	63	57	-
	Brest	29.86	57	NNW	3	o	29.71	-.35	52	50	-5	N	2	o	3	o	#	59	48	0.04
	Lorient... ...	29.89	59	NW	4	o	29.66	-.41	64	64	+8	NNW	4	r	4	o	#	64	50	0.47
	Rochefort ...	29.93	61	NNW	3	o	29.75	-.32	61	59	+2	SW	3	o	#	o	#	66	57	-
	Belfort	29.87	52	WSW	3	o	29.82	-.14	47	46	-2	W	1	f	#	o	#	57	45	0.16
	Lyons	29.93	55	E	1	bc	29.85	-.15	50	49	-2	ESE	1	bc	#	b	#	63	46	0.04
	Nice	29.77	64	?	4	b	29.80	.00	62	54	+3	Z	0	b	1	b	#	74	57	-
	Perpignan ...	29.92	67	W	3	o	29.87	-.14	61	58	-1	Z	0	o	#	o	#	76	59	-
	Biarritz ...	30.00	63	N	3	o	29.80	-.26	56	53	-2	S	3	c	2	o	#	70	52	0.12
Peninsula	Corunna ...																#			
	Lisbon	29.89	64	N	5	bc	29.88	-.12	62	55	-4	NNW	6	c	#	bc	#	81	59	-
	Azores (P. Delgada)	30.32	66	NNE	3	c	30.28	-.06	66	61	-2	NNE	3	c	2	c	#	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 4.3 hrs;

WEATHER CHARTS

FOR Saturday, 18th September, 1897.

BAROMETER, WIND AND SEA.

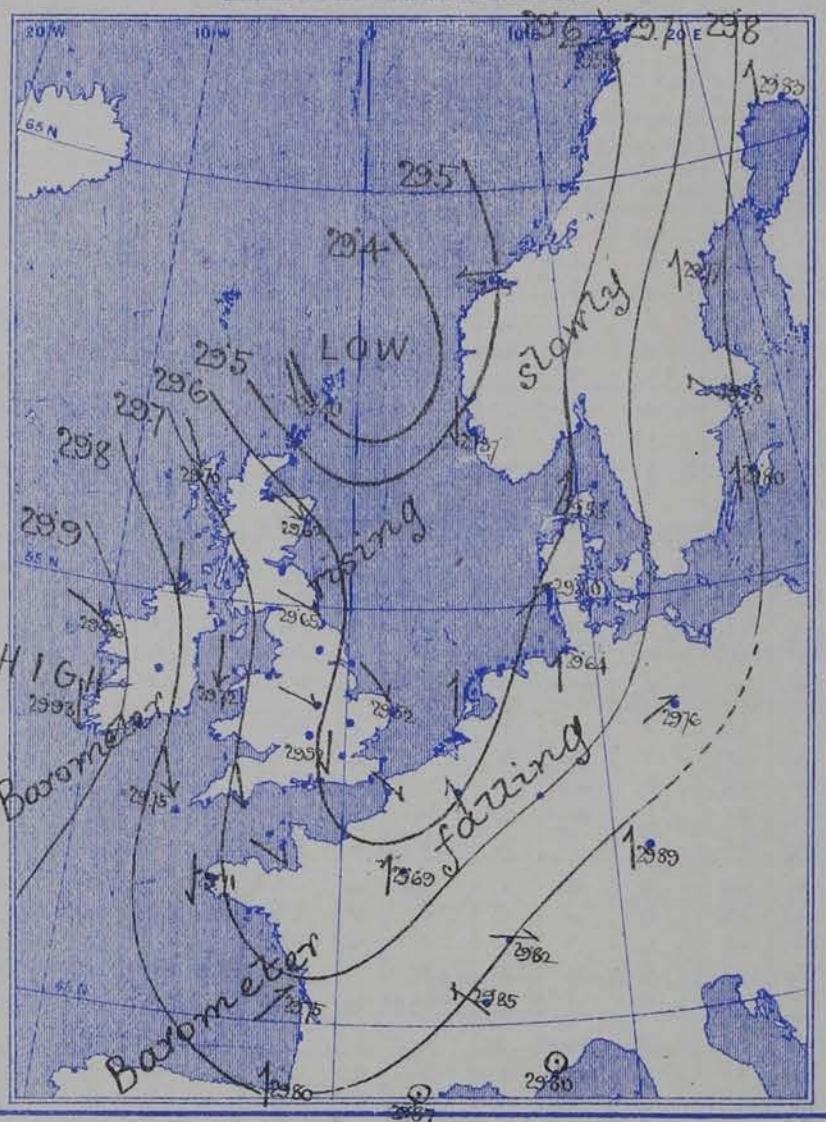
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▓

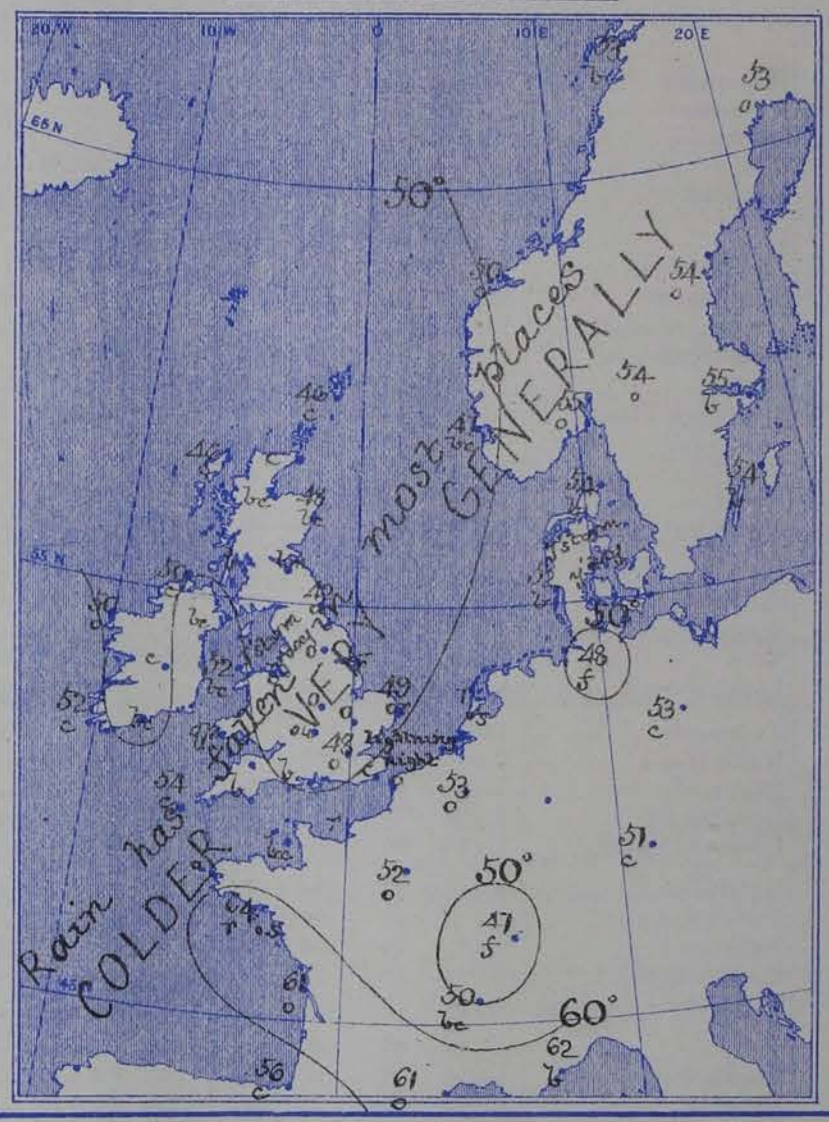


TEMPERATURE & WEATHER.

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 SEPTEMBER.*

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89. 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* 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, 29·9 in: and upwards in the west of Ireland, 29·8 in: and upwards in the southeast of France
Lowest, 29·4 in: and less, in a depression lying off the west of Norway, and below 29·6 in: in a secondary between Norfolk and the Helder.
Gradients moderate over the west and extreme north of our Islands, but slight elsewhere.
Barometer rising in our Islands and also in Scandinavia, Denmark, and North Germany, falling in France and the Netherlands.

TEMPERATURE

Highest, 64° at Lorient, 62° at Nice, 61° at Rochefort and Perpignan, and 56° at Thanitz; 55° at Stockholm and Lerwick.
Lowest, 42° at Shields, 43° at Oxford, 45° at Roscommon, and 46° at Limburgh Head, Marin, Yeovil, Loughborough, and Cambridge.
The maxima registered yesterday were below 60° on most parts of our western, northern, and eastern coasts, and, as a rule very little above it even in the central and southern districts; at Hurst Castle, however, the thermometer rose to 65° and at Dungeness to 66°.

WIND

N or NW over our Islands and the northwest of France, and fresh or strong in force on many parts of our eastern and western coasts.
Light to moderate from the S. and at most of the Continental stations, but E. in the west of Norway.

WEATHER

Fair or fine over the greater part of our Islands and also in Scandinavia and Denmark.
Rainy on the east coasts of England and also at the Helder; cloudy at most of the French stations, with rain at Lorient.
Since yesterday morning rain has fallen in nearly all parts of Western Europe, the largest amounts being 0·8 in: at Karlstad and 0·5 in: at the Helder and Lorient. Thunderstorms occurred yesterday at Liverpool and Paris, and lightning was seen at night at the North Foreland.

SEA

Moderate to smooth generally, but rough at Cape Finisterre.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions noticed above are apparently moving away to the eastward, and a temporary improvement in the weather is probable over our Islands. Showers are, however, still likely in places.

FORECASTS

For the 24 hours ending at NOON on 19th SEPT: 1897.

DISTRICTS.		FORECASTS.
↓ 0	SCOTLAND NORTH	N. and NW. winds, strong; squally, some showers.
↓ 1	SCOTLAND EAST	NW. winds, fresh; some showers at first, then fair.
2	ENGLAND N.E.	
3	ENGLAND EAST	N. and NW. winds, moderate; some showers at first, then fair.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
↓ 6	SCOTLAND WEST	N. winds, strong at first in places, but moderating later; fair generally, but local showers.
↓ 7	ENGLAND N.W.	
8	ENGLAND S.W.	
↓ 9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	The SOUTH CONE is still flying in districts 0.6.7.9. and part of 1.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.43	55	53	SSW	8	c	5
Sumburgh Head	29.37	48	44	W	3	bc	4
Stornoway	29.56	51	51	NNW	3	c	3
Aberdeen	29.51	52	46	WNW	4	cqj	3
Shields	29.55	56	47	W	4	bc	2
Ardrossan	29.55	54	50	NNW	2	bc	1
Malin Head ...	29.61	51	46	NNW	6	bc	5
Belmullet	29.76	54	48	NNW	3	bc	*
Holyhead	29.66	56	52	WSW	3	c	3
Valencia	29.81	56	53	WNW	4	cp	5
Scilly	29.85	58	55	W	4	c	3
Jersey	29.87	62	56	W	4	o	3
Hurst Castle ...	29.77	64	58	SW	4	cm	2
Dungeness ...	29.74	59	53	WSW	4	c	3
North Foreland	29.69	59	56	SW	4	b	3
London (Westminster)	29.69	64	54	W	3	c	*
Yarmouth ...	29.64	59	52	W	4	c	3
Rochefort ...	30.07	64	61	NW	4	c	*

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

Weather in morning fair over our Islands generally, but dull in the west of Ireland, and showery at Holyhead. Cloudy or dull in most of the Continental countries, with rain and fog in several isolated places, but fine over Eastern Germany and also over the Spanish Peninsula. Rain falling later in nearly all parts of Western Europe, - rather heavily in places; thunderstorms occurring at Jersey and Liverpool, and lightning seen at the North Foreland at night.

Temperature fallen in most of the north-western countries, but changed rather irregularly elsewhere. Morning readings highest 77° at Ufax, 76° at Malta, 75° at Athens, and 69° at Barcelona, above 60° over Southern Europe generally. Lowest (1) 37° at St Petersburg, 39° at Riga and Warsaw, and 42° at Cracow and Lemberg; (2) 46° at Stornoway and 47° at Sumburgh Head and Nairn. Daily maxima below 60° at most of our ocean western, northern, and eastern stations, and very little above it in the central and southern districts as a whole, but thermometer reaching 66° at Dungeness; exceeding 70° in the south of France.

Wind moderate to strong from the W^n or NW^n over the greater part of our Islands and France; light to moderate from the SW^n over the southeast of England, the Netherlands and Denmark, S^n in most parts of Scandinavia and northern Russia, but E^n in the west of Norway. Light and variable over Austria, Italy, and Greece, N^n or NE^n over the Spanish Peninsula. Subsequently veering to the N^n on our ocean extreme western coasts, no important change occurring elsewhere.

Barometer highest 30·1 ins. and upwards in an anticyclone lying off the north-west of Spain and also in another system over northern Russia, with its centre near St Petersburg. Lowest 29·4 ins. and less. in a depression lying between the north-east of Scotland and the Norwegian coasts, 29·6 ins. and less. in another disturbance over the south of Russia; 29·8 ins. and less. in a third system over Corsica and the Gulf of Genoa. Depression off Norwegian coast subsequently moving slowly north-eastwards; small secondary disturbances advancing south-eastwards across 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 Sunday 19th September, 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 ...	29.93	49	S	2	bc	29.93	+ .10	51	49	— 2	S	2	o	*	bc	*	55	45	—
	Hernösand ...	29.84	53	S	4	c	29.87	+ .10	54	52	0	S	2	c	*	c	*	59	52	—
	Stockholm ...	29.83	54	E	0	c	29.86	+ .08	58	51	— 2	E	0	c	*	c	*	61	48	—
	Wisby	29.84	48	SSW	4	b	29.84	+ .04	54	50	0	SE	4	o	*	b	*	61	46	—
	Karlstad ...	29.75	51	SE	2	o	29.81	+ .16	52	51	— 2	ENE	2	o	*	o,r	*	*	*	0.08
	Bodö	29.67	52	E	0	o	29.71	+ .12	50	48	— 3	SSW	2	b	1	o	*	55	48	0.08
	Christiansund ...	29.71	49	SW	4	c	29.76	+ .28	45	43	— 5	SE	1	b	3	c	*	54	43	0.04
	Skudesnaes ...	29.62	53	SSE	2	o	29.64	+ .07	54	50	+ 7	E	4	bc	2	bc,o	*	55	45	*
	Færder (Christiania Fjord)	29.70	56	SE	1	o	29.75	+ .19	54	53	— 1	E	2	m	2	o	*	57	54	—
	Skagen (The Scaw)	29.67	57	SE	1	c	29.69	+ .11	57	55	+ 3	SE	4	m	1	c	*	59	54	0.16
	Fanö	29.52	55	SSE	5	o	29.50	— .10	54	52	+ 2	SSE	5	o	*	o	*	59	52	—
British Isles	Sumburgh Head	29.58	46	N	3	c	29.79	+ .39	48	45	+ 2	N	2	bc	3	c	*	51	43	0.04
	Stornoway ...	29.77	47	NNW	6	c	29.86	+ .16	46	46	0	W	1	o	2	rq,oq,c	6.1	49	40	0.12
	Wick	29.67	44	N	5	r	29.84	+ .18	49	46	+ 1	N	4	c	3	r	*	55	40	0.12
	Nairn	29.74	47	NNW	3	bc	29.86	+ .21	48	47	+ 2	NNW	2	bc	3	bc,p	*	55	40	0.05
	Aberdeen ...	29.67	47	NW	5	bcpq	29.78	+ .16	50	47	+ 2	NW	5	bcq	4	qp,bcpr	9.0	54	43	0.33
	Leith	29.70	52	NW	2	bc	29.82	+ .15	49	44	+ 1	NNW	3	c	*	bc	*	61	40	—
	Shields	29.67	50	E	0	bc	29.72	+ .07	44	43	+ 2	NW	4	p	3	bc	*	53	40	0.10
	Spurn Head ...	29.63	50	NNW	5	c	29.67	+ .10	46	44	— 3	NW	5	c	5	Th,c,b	*	52	43	0.27
	York	29.67	51	N	1	b	29.74	+ .10	45	41	— 1	N	3	b	*	b	8.0	55	36	—
	Loughborough ...	29.69	48	NW	1	b	29.77	+ .14	42	41	— 4	WNW	1	bw	*	e,bc,bw	*	57	36	—
	Ardrossan ...	29.70	52	N	2	b	29.86	+ .18	50	46	+ 1	NNW	1	b	1	b	*	56	37	—
	Malin Head ...	29.81	51	N	6	cq	29.90	+ .13	51	48	+ 1	NNW	4	c	3	cq	*	55	46	0.03
	Belmullet ...	29.91	50	NW	1	o	29.99	+ .03	54	51	+ 4	WNW	1	q	*	c,o	*	58	46	0.01
	Donaghadee ...	29.80	50	NNW	6	b	29.88	+ .13	52	48	+ 1	NNW	6	b	4	b	*	57	47	—
	Liverpool (Bidston)	29.72	51	NW	3	b	29.79	+ .11	50	43	+ 1	NW	4	b	4	b	*	54	44	0.01
	Holyhead ...	29.77	51	NNW	6	bc	29.85	+ .13	51	47	— 1	N	6	bc	5	bc	*	53	47	0.01
	Parsonstown ...	29.86	51	N	1	b	? 29.95	+ .09	49	47	+ 4	E	0	bc	*	b,p	7.0	55	40	0.01
	Valencia ...	29.93	53	WNW	3	cv	30.00	+ .07	53	49	+ 1	N	2	c	3	cv	6.4	57	47	0.01
	Roche's Point ..	29.91	52	NW	4	bcp	29.98	+ .09	50	47	+ 1	N	3	c	3	bc,p	*	57	46	—
	Pembroke (St. Ann's Hd.)	29.81	51	W	4	b	29.87	+ .13	52	48	+ 1	NNW	5	bc	4	b	10.4	55	49	—
	Scilly	29.83	54	NNW	5	c	29.90	+ .15	54	48	0	NNW	5	c	3	c	7.6	60	46	0.02
	Prawle Point ...	29.78	50	NNW	3	bc	29.86	+ .17	55	50	+ 1	NNW	3	bc	2	bc,b	*	62	41	—
	Jersey (St. Aubin's)	29.71	56	NW	4	cfbr	29.84	+ .21	50	48	— 4	NW	3	op	3	fh,g,thr.	*	58	47	0.14
	Hurst Castle ...	29.70	50	WNW	3	cp	29.80	+ .18	48	46	— 2	WNW	3	cm	2	c	*	58	42	0.01
	Dungeness ...	29.60	51	NNW	4	c	29.73	+ .20	45	43	— 7	NW	3	c	2	c	*	55	38	0.06
	North Foreland	29.59	50	NW	6	rq	29.73	+ .20	50	48	— 3	NW	5	b	3	r,b	*	54	46	0.08
	London (Brixton) ...	29.68	47	NW	3	o	29.77	+ .20	44	42	— 4	NW	2	bc	*	fr,b,b	3.6	54	37	0.02
	Oxford	29.74	44	NW	3	bc	29.78	+ .15	45	43	+ 2	W	1	o	*	bc	*	55	38	—
	Cambridge ...	29.67	46	NW	1	bc	29.76	+ .18	45	43	— 1	NW	1	bw	*	bc	0.1	61	39	0.14
	Yarmouth ...	29.56	49	NNW	5	r	29.66	+ .14	46	45	— 3	WNW	4	rq	4	rqh	*	52	43	0.81
Germany & Holland.	Cuxhaven ...	29.57	55	S	3	o	29.50	— .14	50	50	+ 2	S	2	c	*	thr,o	*	59	48	0.08
	Berlin	29.74	56	ESE	2	b	29.66	— .12	53	51	0	SSE	3	c	*	b	*	64	50	—
	Wiesbaden ...	*	*	*	*	*	29.63		50	48		W	2	o	*	*	*	61	50	—
	Munich... ..	29.79	54	E	3	b	29.64	— .25	51	51	0	W	2	o	*	b	*	63	48	0.04
	The Helder ...	29.40	52	SSW	1	bc	29.51	+ .02	54	50	+ 2	NNW	3	bc	2	bc	*	57	52	0.59
Belgium.	Brussels ...	*	*	*	*	*	29.67	+ .05	45	45	— 8	WSW	2	r	*	o	*	58	44	1.14
	Cape Gris Nez...	29.56	52	N	5	o	29.69	+ .17	50	46	— 5	NNW	4	c	4	o	*	55	46	0.08
	Paris	29.63	50	SW	1	bc	29.76	+ .07	47	45	— 5	WNW	2	bc	*	bc	*	56	43	0.28
	Brest	29.80	55	NNW	4	bc	29.87	+ .16	52	48	0	?NW	2	c	2	bc	*	57	46	—
	Lorient... ...	29.76	56	NNW	5	bc	29.89	+ .23	52	52	— 12	NNW	4	c	4	bc	*	64	50	—
France &	Rochefort ...	29.69	61	NW	5	o	29.80	+ .05	50	49	— 11	N	3	bc	*	o	*	63	48	0.24
	Belfort	29.66	55	SW	2	r	29.69	— .13	45	45	— 2	W	5	o	*	r	*	61	45	0.39
	Lyons	29.71	59	S	2	o	29.77	— .08	46	46	— 4	N	1	r	*	o	*	67	46	0.32
	Nice	29.78	63	WNW	?	?	?	?	58	55	— 4	E	0	o	4	?	*	75	54	2.52
	Perpignan ...	29.74	64	N	1	o	29.76	— .11	57	49	— 4	NW	5	r	*	o	*	73	54	0.12
	Biarritz ...	29.75	62	W	5	r	29.86	+ .06	52	50	— 4	E	3	r	4	r	*	68	52	0.32
Peninsula.	Corunna ...																*			
	Lisbon	29.43	63	NW	4	b	30.02	+ .14	62	53	0	NNW	4	bc	*	b	*	68	57	—
	Azores (P. Delgada)	30.27	66	NE	3	c	30.27	— .01	67	65	+ 1	NNE	4	c	3	c	*	72	64	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 11.5 hrs;

WEATHER CHARTS

FOR SUNDAY, 19TH SEPT.R 1897.

BAROMETER, WIND AND SEA.

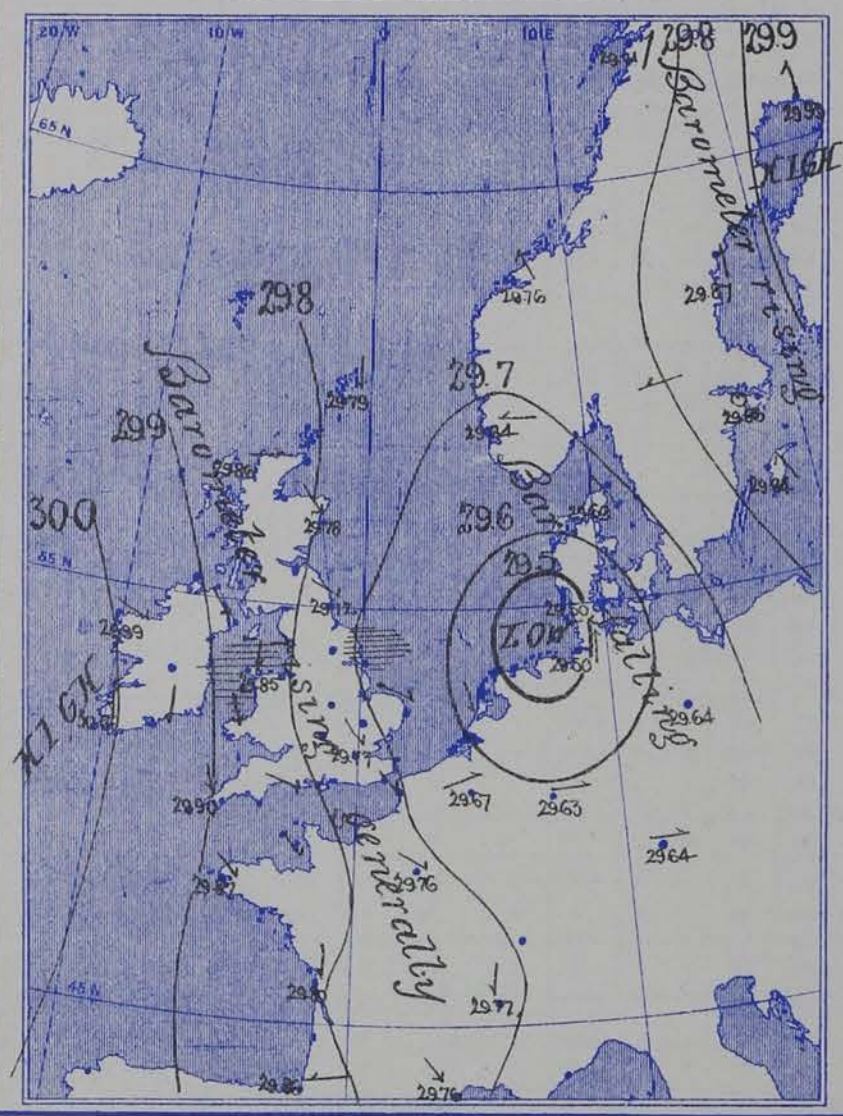
BAROMETER—Isobars are drawn for each tenth of an inch.

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*

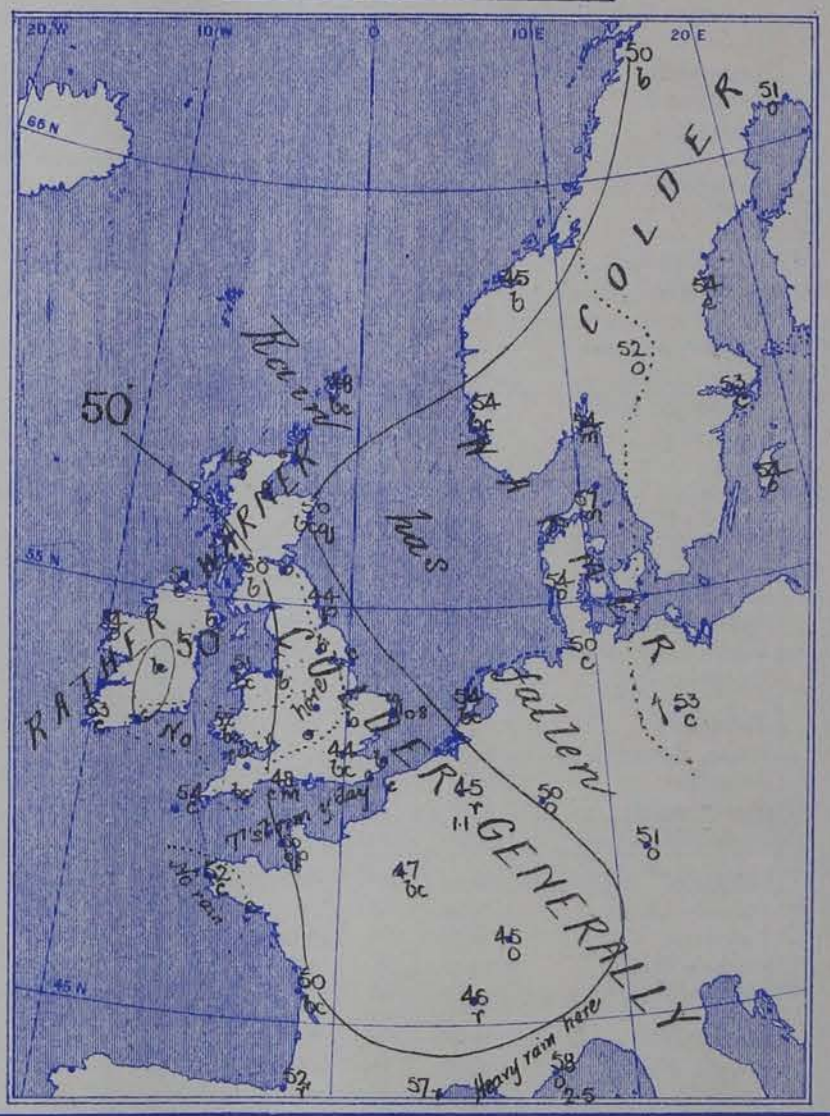


TEMPERATURE & WEATHER.

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 SEPTEMBER.*

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* 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) 29·9 ins: to 30·0 ins: over Ireland and the western parts of the Iberian Peninsula, and apparently still higher over the Atlantic,
(2) 29·9 ins: and more over Finland and Russia.
Lowest. 29·5 ins: and less, in a depression over Holland and the southeastern parts of the North Sea.
Gradients moderate. Barometer falling over Germany and southern Europe, rising elsewhere

TEMPERATURE

Highest, (1) 62° at Lisbon, 58° to 60° on the south and west coasts of France; (2) 54° to 56° at most of the Scandinavian stations and on the west and south coasts of Ireland.
Lowest. 42° at Loughborough, 44° at Shields and in London, 45° at Brussels, 47° at Paris.
It had been decidedly warmer yesterday to between 60° and 62° at a few of the British stations, to 64° at Berlin, 72° at Coruna, and P. Delgada, and to 75° at Nice, but did not exceed 54° in London nor 56° at Paris.

WIND

N' and NW' over the United Kingdom, fresh at the northeastern, northern and western stations, moderate to light elsewhere; W' over the east of France and Western Germany, S' to SE' in Denmark, SE' to E' over Scandinavia.

WEATHER

Showery over the eastern parts of England, the Netherlands and the east of France, fair (but not settled) over our Islands generally.
Rain has fallen in most places – heavily at Nice, Brussels, the Helder and Yarmouth. Thunder and lightning have occurred in the south and east of England.
Bright Sunshine recorded yesterday, ranged from 0·1 hr at Cambridge to 10·4 hrs: at Pembroke.

SEA

Rather rough at Spurn Head, Holyhead, moderate in the northwest generally, and off the south coast of France.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 20th SEPT: **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 ...	29.59	56	49	SSW	4	bc	3
Sumburgh Head	29.49	50	46	NNW	3	c	4
Stornoway	29.74	49	49	NNW	6	oq	5
Aberdeen	2964	49	45	WNW	5	bc	4
Shields	2968	52	47	N	3	bc	3
Ardrossan	2969	51	49	NW	2	b	1
Malin Head ...	29.79	51	48	N	6	cq	4
Belmullet	29.91	58	57	NNW	1	c	*
Holyhead	29.75	53	48	N	5	bcp	4

	BAR.	THER. Dry.	THER. Wet.	WIND Direc	F.	WEA.	SEA.
Valencia	29.93	56	48	NNW	4	cv	4
Scilly	29.87	54	49	NNW	5	c	3
Jersey	29.69	55	51	NNW	4	bc	4
Hurst Castle ...	29.63	57	52	NNE	4	cp	2
Dungeness ...	29.56	55	50	NW	4	c	2
North Foreland	29.56	52	50	NW	6	oq	4
London (Westminster)	29.61	52	46	NNW	3	c	*
Yarmouth ...	29.53	50	48	NNW	4	cpq	4
Rochefort ...	29.70	59	57	NW	4	r	*

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

Weather in morning very variable locally; fine and bright in many places, cloudy or overcast in many others, raining and misty over the east of England, in some parts of Central Europe and at Moscow. Rain falling later in many parts of our Islands, more heavily and generally over France and the Netherlands – falls heavy at Nice and Brussels, and very considerable at the Helder and Yarmouth; thunder, lightning and hail occurring over the south and east of England.

Temperature falling over Ireland, England, and the north of France, rising over Central Europe and the Baltic Provinces. Morning readings highest 77° at Athens, 72° at Palermo and Tunis, 70° at Barcelona; above 60° in the south of France, and above 50° over Central Europe, and on our own southeastern and southern coasts and on the coasts of Scandinavia. Lowest 42° at Shields, 43° at Oxford, 46° at Loughborough, as well as at Archangel; 45° at Neufahrwasser, 48° at Cliff. Exceeding 60° at a few of our stations later, and touching 64° at Berlin, and 75° at Nice, but not exceeding 56° at Paris.

Wind (1) N' to NW' over our Islands – light at our eastern stations, fresh to strong elsewhere, but light from SW. and S. over the northeast of France and the Netherlands, moderate from the S^ern over the Baltic, Finland, and Sweden, (2) very light and variable over southern, central, and eastern Europe. No decided change later.

Barometer highest (1) 29·9 ins: and more over the west of Ireland and still higher over the Atlantic; (2) 30·1 ins: to 29·9 ins: over northern Europe. Lowest (1) 29·4 ins: and less, in a depression lying between the Shetland Islands and the Norwegian coast, and below 29·5 ins: in a secondary system between the Helder and the Norfolk coast: Gradients moderate. Former disturbance filling up later, latter moving eastwards to the Netherlands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Monday, 20th September, 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 ...	29.91	42	NW	0	b	29.89	-.04	46	45	-5	E	2	o	*	b	*	55	41	-
	Hernösand ...	29.82	52	SE	2	b	29.76	-.11	51	51	-3	E	4	r	*	b	*	59	50	-
	Stockholm ...	29.83	50	W	0	c	29.68	-.18	56	55	+3	ESE	4	o	*	c	*	59	46	-
	Wisby	29.84	53	SSE	4	f	29.62	-.22	59	56	+5	SSE	4	c	*	f	*	61	41	-
	Karlstad ...	29.77	54	E	2	o	29.51	-.30	53	51	+1	SE	2	o	*	o.r	*	*	*	0.20
	Bodö	29.66	46	NW	0	b	29.69	-.02	53	46	+3	SE	2	b	1	b	*	53	46	?
	Christiansund ...	29.58	48	SSE	9	r	29.60	-.16	44	42	-1	NE	3	o	3	r	*	54	43	0.20
	Skudesnaes ...	29.72	55	ENE	6	o	29.53	-.11	50	47	-4	NW	4	c	3	o	*	63	48	*
	Færder (Christiania Fjord)	29.76	56	SE	1	o	29.44	-.31	52	49	-2	NW	4	o	3	o	*	57	52	0.28
	Skagen (The Scaw)	29.66	56	SSE	3	r	29.45	-.24	54	53	-3	W	1	r	0	r	*	61	52	0.32
	Fanö	29.67	50	NW	0	b	29.52	+.02	50	50	-4	N	1	b	*	b	*	61	43	-
British Islands.	Sumburgh Head	29.76	51	NW	3	o	29.76	-.03	45	44	-3	NW	4	c	4	o	*	53	42	0.01
	Stornoway ...	29.92	54	WNW	3	cv	29.91	+.05	46	45	0	WNW	2	o	2	a,c	5.0	56	42	0.02
	Wick	29.90	50	N	4	c	29.87	+.03	48	47	-1	N	3	o	1	c	*	54	40	-
	Nairn	29.93	49	W	1	b	29.90	+.04	49	48	+1	W	0	b	1	b	*	59	42	0.02
	Aberdeen ...	29.89	48	N	3	b	29.86	+.08	48	44	-2	NW	3	bw	3	b	10.4	54	41	-
	Leith	29.86	51	N	1	b	29.85	+.03	46	43	-3	NSW	1	b	*	b	*	63	43	-
	Shields	29.81	51	N	5	o	29.87	+.15	47	44	+3	NNW	3	c	3	o	*	53	41	0.04
	Spurn Head ...	29.62	49	NW	6	r	29.82	+.15	51	49	+5	NW	5	bq	5	or	*	54	46	0.33
	York	29.76	52	N	4	o	29.88	+.14	48	44	+3	NW	1	b	*	c.o	3.0	53	41	-
	Loughborough ...	29.81	51	NW	3	o	29.91	+.14	48	44	+6	WNW	2	b	*	c.o	*	56	42	0.03
	Ardrossan ...	29.90	54	NNW	1	b	29.89	+.03	53	51	+3	NW	2	c	1	b	*	60	44	-
	Malin Head ...	30.00	53	NNW	5	c	29.98	+.08	53	51	+2	NNW	5	oq	3	bc.c	*	54	49	-
	Belmullet ...	30.06	55	NNW	1	c	30.09	+.10	53	52	-1	WNW	2	o	*	o.c	*	50	50	0.02
	Donaghadee ...	29.95	53	NNW	6	bc	29.97	+.09	54	52	+2	NW	5	bc	0	bc	*	58	48	-
	Liverpool (Bidston)	29.88	53	NW	4	b	29.93	+.14	53	50	+3	WNW	3	o	3	b	*	55	50	-
	Holyhead ...	29.93	53	N	5	b	29.96	+.11	54	52	+3	NW	4	c	3	b	*	54	50	-
	Parsonstown ...	30.01	54	W	0	b	30.05	.00	52	50	+3	N	1	o	*	c.b	5.8	58	46	-
	Valencia ...	30.07	53	NNW	2	cp	30.12	+.12	54	51	+1	WNW	3	o	4	cp	4.7	57	52	-
	Roche's Point ..	30.03	58	NNW	3	b	30.08	+.10	54	53	+4	NNW	2	o	3	b	*	60	48	-
	Pembroke (St. Ann's Hd.)	29.96	57	N	3	b	29.99	+.12	55	51	+3	N	4	o	3	c.b	6.5	57	50	-
	Scilly	29.98	55	NNW	4	c	30.03	+.13	56	53	+2	N	4	bc	2	c	3.2	57	48	-
	Prawle Point ...	29.90	50	NNW	3	c	29.97	+.11	55	50	0	NNW	4	b	2	c	*	61	44	-
	Jersey (St. Aubin's)	29.87	54	NW	3	bc	29.95	+.11	54	52	+4	NW	4	opq	3	bc,br,tr	*	58	48	0.25
	Hurst Castle ...	29.84	52	N	2	bc	29.90	+.10	54	51	+6	NNW	4	cm	2	bc	*	59	48	0.03
	Dungeness ...	29.76	53	SW	3	b	29.79	+.06	51	49	+6	NNW	4	c	2	bc,b.p	*	56	44	0.08
	North Foreland	29.79	52	NW	5	c	29.78	+.05	54	52	+4	NW	4	bcq	3	bc.c	*	54	46	0.06
	London (Brixton) ...	29.79	52	NW	2	c	29.86	+.09	52	49	+8	NW	3	o	*	c.bc.or	5.7	55	44	0.07
	Oxford	29.85	50	NW	3	r	29.91	+.13	51	46	+6	NNW	3	b	*	b.r	*	55	44	0.01
	Cambridge ...	29.78	49	NW	1	r	29.86	+.10	49	48	+4	NNW	2	o	*	c.r	6.3	55	43	0.22
	Yarmouth ...	29.70	52	W	3	c	29.77	+.11	52	50	+6	NW	4	cq	4	c	*	53	45	0.14
Germany & Holland.	Cuxhaven ...	29.62	54	S	1	o	29.52	+.02	55	54	+5	NW	3	c	*	o	*	57	48	-
	Berlin	29.51	58	SW	2	o	29.36	-.28	56	56	+3	SE	2	o	*	o	*	63	53	0.39
	Wiesbaden ...	*	*	*	*	*	29.68	+.05	49	47	-1	W	2	r	*	*	*	55	48	0.16
	Munich... ..	29.72	41	W	4	r	29.74	+.10	41	39	-10	SW	6	c	*	*	*	57	36	0.95
	The Helder	29.68	54	NW	2	bc	29.67	+.13	56	53	+2	NW	4	c	3	bc	*	56	54	-
Belgium.	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez...	29.75	52	N	3	bc	29.80	+.11	54	52	+4	N	1	o	1	bc	*	57	46	-
	Paris	29.81	45	NNW	1	bc	29.86	+.10	38	38	-9	NNW	2	bc	*	bc	*	58	35	-
	Brest	29.93	54	N	4	c	29.99	+.12	55	50	+3	N	2	b	2	c	*	59	48	-
	Lorient... ...	29.91	54	NW	4	o	29.99	+.10	52	50	0	NW	4	bc	4	o	*	64	48	-
France &	Rochefort ...	29.88	54	NNW	4	r	29.95	+.13	54	50	+4	NNW	4	o	*	r	*	63	48	0.16
	Belfort	29.84	45	N	3	o	29.82	+.13	40	40	-5	W	3	o	*	o	*	57	39	0.01
	Lyons	29.85	44	W	1	b	29.88	+.11	44	43	-2	N	1	o	*	b	*	55	41	0.04
	Nice	29.53	57	W	6	b	29.65	?	55	44	-3	E	0	b	2	b	*	66	46	0.20
	Perpignan ...	29.84	58	N	5	bc	29.91	+.15	52	48	-5	NNW	2	c	*	bc	*	66	50	-
	Biarritz ...	29.93	59	NNW	4	r	29.95	+.09	52	50	0	ESE	3	r	4	r	*	64	50	0.35
Penin-sula.	Corunna ...																*			
	Lisbon	30.07	60	NNW	3	b	30.06	+.04	60	53	-2	NNW	5	bc	*	b	*	66	57	-
	Azores (P. Delgada)	30.34	67	NE	3	bc	30.32	+.05	67	61	0	NE	4	c	3	c	*	72	63	0.04

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

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

Bright Sunshine yesterday Southport 8.9 hrs;

WEATHER CHARTS

FOR Monday, 20th September, 1897.

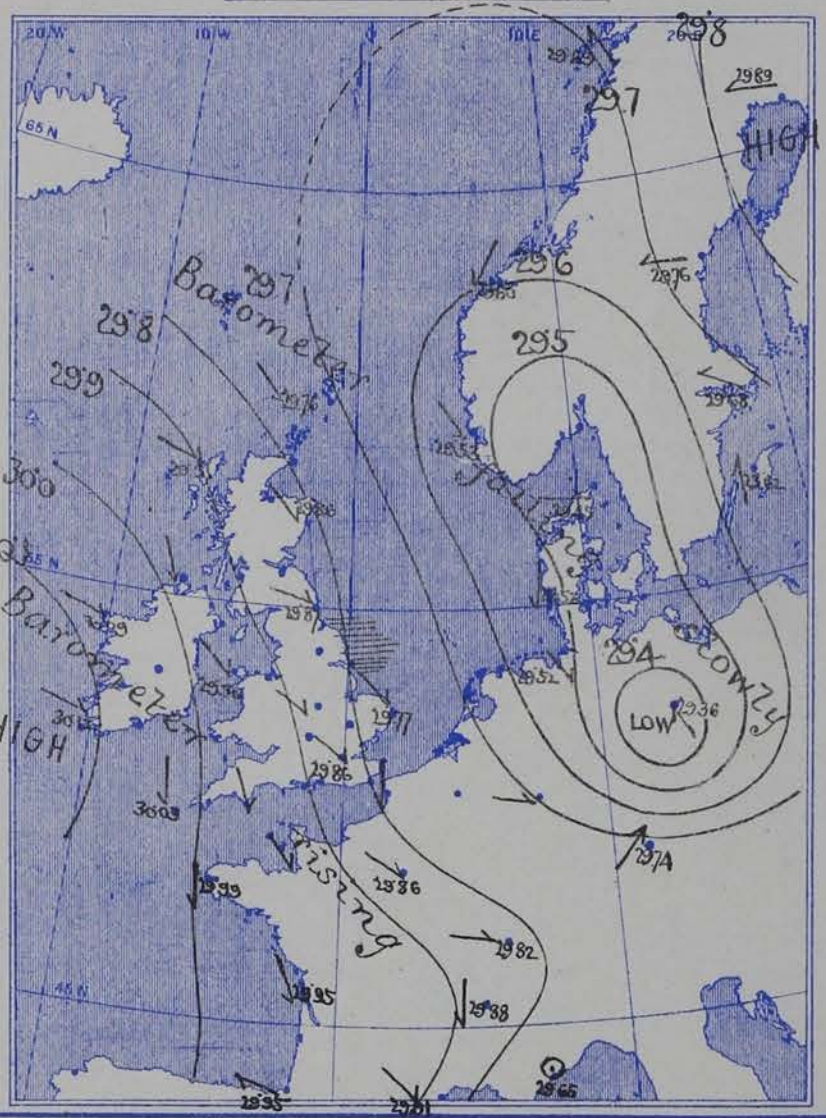
BAROMETER, WIND AND SEA.

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 ▨

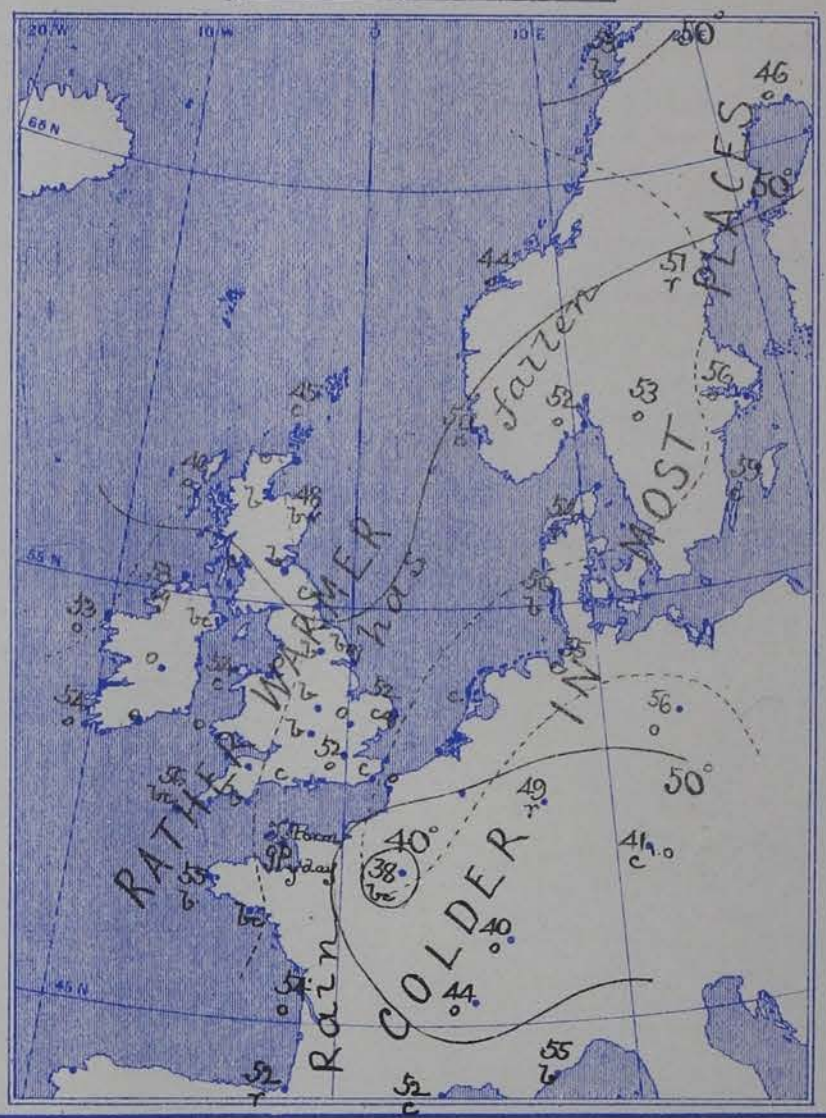


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beautfort 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 SEPTEMBER.*

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	51 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* 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 30·1 ins: and more over Ireland and the neighbouring parts of the Atlantic, and exceeding 29·9 ins: over Finland.
Lowest, 29·35 ins: to 29·5 ins: in a complex depression covering Germany, Denmark, and the south of Norway.
Gradient moderate over our Islands and France, and favourable for NW to N winds.
Barometer rising in the south and west, falling at our northeastern stations, and the fall is travelling southeastwards.

TEMPERATURE

Highest, (1) 60° at Lisbon, and 56° to 51° at the stations over the western and southern parts of our Islands; (2) 59° at Thiesy, 56° at Stockholm and Berlin.
Lowest, 38° at Paris, 40° at Belfort, 41° at Munich; 46° at Leith, 48° at Aberdeen and Loughborough.
It was not nearly so cold over our Islands last night as it had been the previous night, but was changing fitfully, Paris reports a very decided fall.

WIND

NW to N over our Islands generally, and moderate in force, but E and SE over Sweden and the Baltic

WEATHER

Changeable generally, though temporarily clear in some places.
Rain has fallen over England generally and locally in several parts of Scotland and Scandinavia. Over the southern parts of France also there has been some rain. A thunderstorm has occurred at Jersey. Bright Sunshine recorded yesterday was least (about 3 hours) at York and Selby, greatest (10·4 hrs) at Aberdeen.

SEA

Rather rough in the northeast and east, slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of westerly to northerly winds is probable, with rain occasionally in the north and east (with bright intervals), fair weather in Ireland, and a decrease of temperature tonight.

FORECASTS

For the 24 hours ending at NOON on 21st SEPT: 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW and N breezes; some showers, bright intervals, cold at night.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	Same as No. 5
4	MIDLAND COUNTIES	Same as Nos. 0 to 2
5	ENGLAND SOUTH	W to NW winds; weather changeable, rain at times, cold tonight.
6	SCOTLAND WEST	Same as Nos. 0 to 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	NW and N breezes, light or moderate; fair as a whole, cold tonight.
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 ...	29.75	63	57	E	2	c	2	Valencia							
Sumburgh Head								Scilly							
Stornoway	29.91	56	56	NNW	3	od	2	Jersey	29.83	57	57	WNW	4	bc	3
Aberdeen								Hurst Castle ...							
Shields								Dungeness ...	29.95	54	47	NNW	3	bc	2
Ardrossan								North Foreland	29.97	54	50	NW	5	bc	3
Malin Head ...	29.96	54	51	NNW	4	bc	2	London (Wesminster)							*
Belmullet	30.02	59	56	N	1	o	*	Yarmouth ...							
Holyhead								Rochefort ...	29.90	62	59	NW	4	c	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 12TH TO THE 18TH SEPT: 1897.

During the earlier part of the week the central portion of a large anticyclone lay directly over our Islands, the wind being light from the W^ward on our northern coasts, but from the N^ward or NE^ward in the south. Fair dry weather prevailed over a considerable portion of the country, but a good deal of fog and cloud was reported in places, while in the northern and eastern districts there were occasional slight showers. Temperature differed very little from the average in the south, but was high in the north, maximum readings of 70° and upwards being reported at the Scotch stations on the 13th.

Towards the middle of the period the anticyclone gradually broke up, its central area moving off in a southwesterly direction, while a large, but somewhat shallow depression appeared off our extreme northern coasts. The latter system eventually spread southwards, and the wind backed to the W^ward over the entire Kingdom, while unsettled showery weather extended very gradually to all parts of the country. By the close of the week the depression was apparently moving away to the northeastward, but shallow secondary disturbances were forming southeastwards across our Islands. In the rear of these the wind veered to the NW^ward or N^ward and freshened very considerably with cold showers and with thunder and lightning in a few places on the 17th. The maximum temperatures reported on the 18th were below 55° in many parts of the country, and at night a ground frost was experienced over the inland portions of England.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 21st September, 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 ...	29.91	42	2	0	b	29.83	−.06	43	42	− 3	N	2	o	s	b	#	55	39	−
	Hernösand ...	29.73	56	N	4	o	29.49	−.27	51	51	0	NE	6	r	#	o	#	56	48	0.20
	Stockholm ...	29.39	57	SE	8	o	29.28	−.40	50	47	− 6	S	8	b	#	o	#	61	48	0.63
	Wisby	29.52	59	SE	4	o	29.35	−.27	52	49	− 7	S	4	bc	#	o	#	61	50	0.39
	Karlstad ...	29.16	56	SE	6	r	29.09	−.42	46	45	− 7	S	4	r	#	r	#	#	#	0.98
	Bodö	29.78	52	E	2	b	29.64	−.05	53	46	0	E	5	b	1	b	#	57	46	−
	Christiansund ...	29.46	46	NE	2	c	29.23	−.37	54	50	+ 10	ESE	6	bc	3	c	#	54	44	−
	Skudesnaes ...	29.28	45	NNW	2	bc	29.11	−.42	49	47	− 1	N	2	c	2	r, bc	#	63	43	#
	Færder (Christiania Fjord)	29.19	49	NNW	2	o	29.02	−.42	48	48	− 4	SSE	4	r	3	o	#	52	46	0.35
	Skagen (The Scaw)	29.16	51	S	1	o	29.05	−.40	49	46	− 5	2	o	c	o	o	#	55	45	0.08
	Fanö	29.33	49	W	6	c	29.14	−.38	49	45	− 1	NW	6	c	#	c	#	55	45	0.32
	Sumburgh Head	29.60	45	N	4	o	29.31	−.45	45	43	0	NW	2	b	4	c, o	#	49	41	003
	Stornoway ...	29.71	52	W	3	o	29.54	−.37	51	51	+ 5	NNW	5	r	5	o	2.5	55	44	0.22
	Wick	29.70	50	N	3	o	29.37	−.50	52	52	+ 4	N	6	r	3	o	#	52	46	0.25
	Nairn	29.71	53	2	o	c	29.46	−.44	53	52	+ 4	NNW	3	cp	2	c	#	60	47	0.09
	Aberdeen ...	29.68	50	NW	3	cg	29.39	−.47	54	51	+ 6	NW	7	ogw	4	gg, c, r	3.4	54	47	0.11
British Islands.	Leith	29.70	56	W	3	c	29.48	−.37	59	54	+ 13	W	4	b	#	c, r	#	66	45	0.06
	Shields	29.72	51	NW	1	cm	29.46	−.41	56	54	+ 9	W	4	c	3	c, r	#	56	46	0.01
	Spurn Head ...	29.75	52	SSW	2	o	29.52	−.30	55	54	+ 4	W	5	r	4	o	#	55	51	0.03
	York	29.76	56	W	2	o	29.54	−.34	58	55	+ 10	W	3	b	#	b, o	7.0	60	45	0.08
	Loughborough ...	29.83	54	WNW	3	o	29.66	−.25	55	53	+ 7	W	5	c	#	c, opq, c	#	63	48	0.02
	Ardrossan ...	29.76	54	NW	2	o	29.56	−.33	54	52	+ 1	WNW	4	oq	3	c, o	#	58	52	−
	Malin Head ...	29.82	54	NW	6	omr	29.73	−.25	53	51	0	NW	7	o	6	qmr	#	55	50	0.18
	Belmullet ...	29.95	55	WNW	2	om	29.94	−.15	55	48	+ 2	WNW	3	o	#	om	#	57	48	0.03
	Donaghadee ...	29.89	56	WNW	4	o	29.71	−.26	54	52	0	WNW	6	c	4	o	#	60	52	0.04
	Liverpool (Bidston)	29.85	52	W	5	o	29.66	−.27	55	53	+ 2	W	6	c	5	o, r	#	57	52	0.14
	Holyhead ...	29.89	55	SW	2	og	29.75	−.21	56	54	+ 2	WNW	7	bcp	6	op, og	#	56	52	0.04
	Parsonstown ...	29.93	56	SW	1	o	29.88	−.17	54	52	+ 2	W	1	c	#	oq	0.5	58	51	0.02
	Valencia ...	30.04	51	WNW	3	c	29.98	−.14	56	55	+ 2	NNW	4	op	4	o, c	0.8	58	53	0.03
	Roche's Point ..	30.00	58	NW	3	c	29.94	−.14	59	57	+ 5	NNW	4	c	3	c	#	61	53	—
	Pembroke (St. Ann's Hd.)	29.94	56	NW	4	o	29.83	−.16	58	57	+ 3	NW	5	oq	4	o	0.7	58	54	−
	Scilly	30.01	56	WNW	4	c	29.93	−.10	58	58	+ 2	W	4	omp	3	c	2.3	59	52	0.01
	Prawle Point ...	29.97	54	WNW	4	c	29.87	−.10	56	54	+ 1	W	5	c	4	c, p	#	64	52	0.01
	Jersey (St. Aubin's)	29.97	58	WNW	3	bc	29.91	−.04	60	55	+ 6	W	4	c	4	cg, bc	#	61	53	0.01
	Hurst Castle ...	29.90	58	WNW	4	c	29.80	−.10	58	56	+ 4	W	4	c	2	bc, c	#	64	54	—
	Dungeness ...	29.85	55	NNW	2	c	29.73	−.06	56	55	+ 5	WSW	4	c	3	bc, c	#	59	51	—
	North Foreland	29.83	54	W	2	o	29.71	−.07	55	54	+ 1	W	4	cq	3	c, o	#	58	49	—
	London (Brixton) ...	29.85	56	NW	2	c	29.74	−.12	56	54	+ 4	WSW	3	c	#	c, bc, op	4.3	62	48	0.02
	Oxford	29.85	53	WNW	2	o	29.73	−.18	56	54	+ 5	WSW	3	bc	#	o, c	#	60	49	—
	Cambridge ...	29.81	56	W	3	c	29.67	−.19	54	53	+ 5	SW	2	r	#	c	4.4	61	48	0.01
	Yarmouth ...	29.78	51	WNW	3	c	29.60	−.17	54	52	+ 2	W	5	cq	4	cq	#	55	49	0.07
Germany & Holland.	Cuxhaven ...	29.47	54	NNW	6	c	29.35	−.17	51	50	− 4	W	8	r	#	c, rq	#	63	48	0.63
	Berlin	29.48	49	SW	4	r	29.58	+.22	49	47	− 7	SW	5	r	#	r	#	57	46	0.87
	Wiesbaden ...	#	#	#	#	#	29.80	+.12	51	49	+ 2	SW	1	o	#	#	#	55	48	0.08
	Munich	29.94	44	W	6	c	29.97	+.23	44	41	+ 3	W	4	c	#	c	#	48	39	0.04
	The Helder ...	29.67	54	NW	5	o	29.53	−.14	56	52	0	WNW	7	o	3	o	#	57	54	0.04
Belgium. France &	Brussels ...	#	#	#	#	#	29.74	−.04	52	50	+ 7	WSW	4	o	#	bc	#	57	44	0.04
	Cape Gris Nez ...	29.83	55	NW	1	o	29.73	−.07	55	54	+ 1	W	5	o	5	o	#	57	52	—
	Paris	29.92	54	SW	2	c	29.90	+.04	51	50	+ 13	SW	2	o	#	c	#	58	38	—
	Brest	30.06	57	WNW	1	o	29.99	.00	56	54	+ 1	WNW	3	c	3	o	#	61	50	—
	Lorient	30.06	59	NW	4	bc	29.99	.00	57	56	+ 5	NW	4	c	4	bc	#	66	48	0.04
	Rochefort ...	30.06	59	NW	4	c	30.07	+.12	58	55	+ 4	WNW	4	o	#	c	#	63	48	—
	Belfort	29.94	45	WSW	3	c	29.97	+.15	46	44	+ 6	WSW	5	o	#	c	#	52	40	0.04
	Lyons	30.01	49	NNW	2	c	30.06	+.18	46	?	+ 2	W	1	o	#	c	#	55	44	—
	Nice																#			
	Perpignan ...	30.00	56	NW	4	b	30.05	+.14	59	50	+ 7	WNW	4	bc	#	b	#	63	52	—
	Biarritz ...	30.06	58	WNW	3	o	30.08	+.13	62	56	+ 10	WNW	4	r	4	o	#	64	52	0.12
Peninsula.	Corunna ...																#			
	Lisbon	30.10	60	NNW	5	b	30.15	+.09	64	53	+ 4	NNE	4	b	#	b	#	70	57	—
	Azores (P. Delgada)	30.32	69	S	4	c	30.31	−.01	65	62	− 2	NE	3	c	3	c	#	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 3.8 hrs;

WEATHER CHARTS

FOR Tuesday, 21st September 1897.

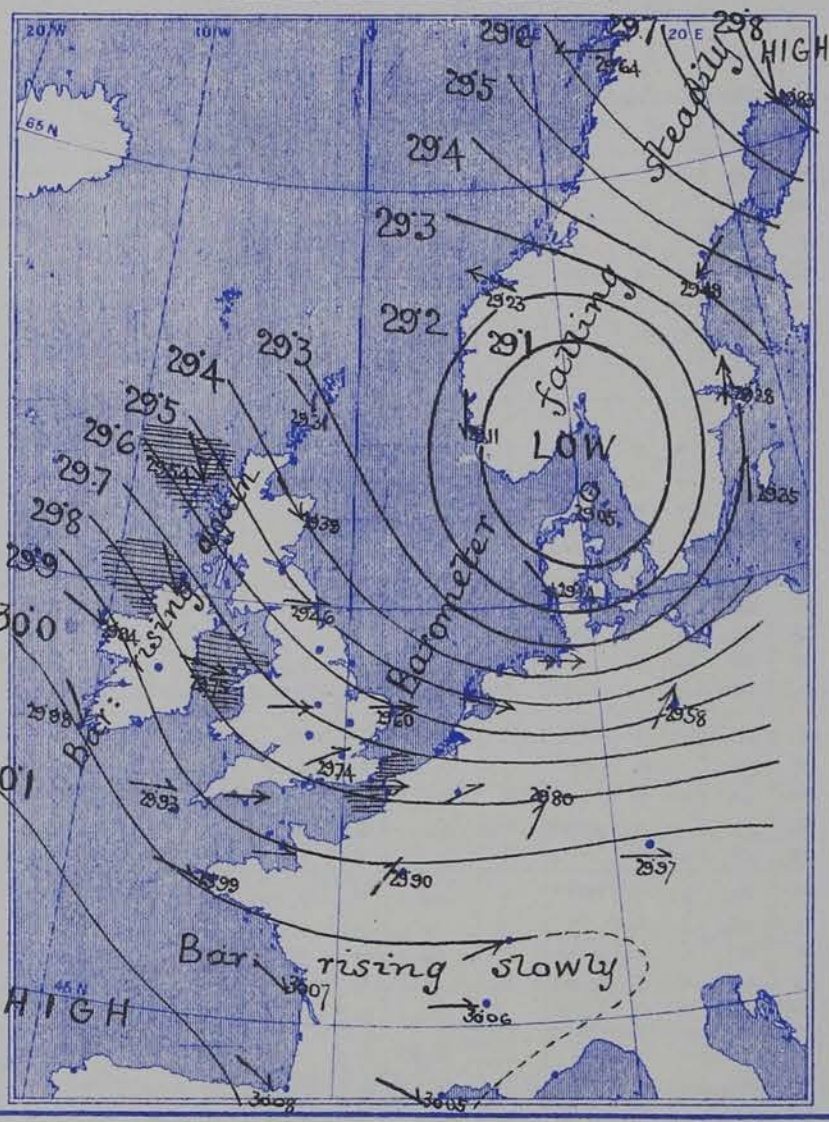
BAROMETER, WIND AND SEA.

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 ▩

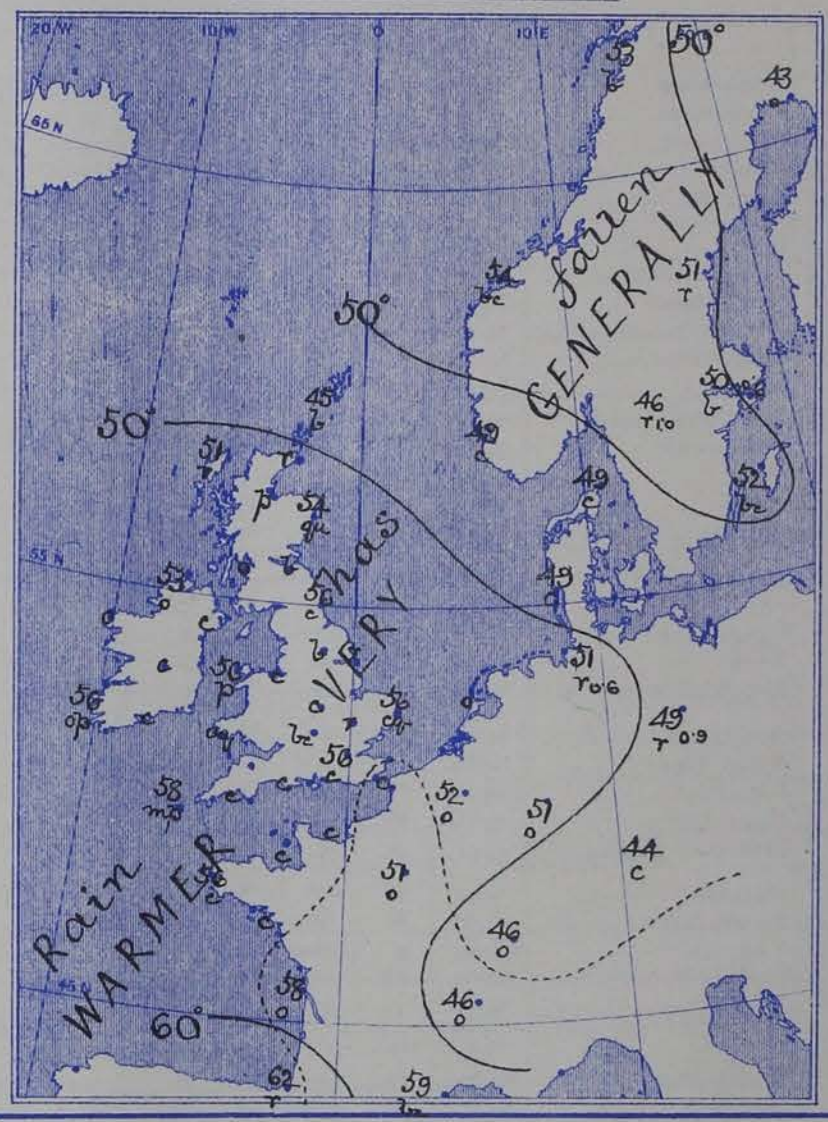


TEMPERATURE & WEATHER.

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 SEPTEMBER.

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* 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) 30.15 ins. at Lisbon, and exceeding 29.9 ins. over the W. of Ireland, the Bay of Biscay and France; (2) exceeding 29.8 in. at Haparanda (Gulf of Bothnia)
Lowest 29.0 ins. to 29.1 ins. in a well marked depression lying over the Skager Rack.
Gradients rather steep for NW^ly winds over our Islands, and for W^ly winds over Germany.
Barometer falling generally, most in the north and northeast, but has commenced to rise again in the extreme northwest and west.

TEMPERATURE

Highest (1) 64° at Lisbon, 62° at Biarritz, 59° at Leith and Roche's Pt., 58° at Scilly, 56° at Valencia, Prawle Pt. and the Helder; (2) 54° at Christiansund, 53° at Bodö.
Lowest 43° at Haparanda, 45° at Hamburgh Nt., 46° at Karlstad, 49° at Berlin.
It had risen in most parts of our Islands since yesterday morning. It had touched 66° at Leith, and 64° at some of our S^rn. stations yesterday afternoon, but had not exceeded 57° at Berlin, or 58° at Paris.

WIND

NW^ly — strong to a moderate gale, on our N^rn. and NW^rn. coasts, and moderate to fresh from between NW and SW. in the northwest and south of our Islands. It was blowing a gale from W. on the Dutch coasts, from S. at Stockholm, and from E. in the northwest of Norway.

WEATHER

Squally and rainy in the N., showery in the W., and unsettled looking over England. Rain had again fallen in most places — heavily at Berlin, Cuxhaven and Karlstad.

SEA

Rough in the NW. and W. moderate to slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression lying over the Skager Rack is rather deep. Secondary systems are likely to move SE^wds. over our Islands, and showery weather is probable over England, with a fall of temperature tonight or early tomorrow morning.

FORECASTS

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

DISTRICTS.		FORECASTS.
↑ 0	SCOTLAND NORTH	NW^ly and N^ly winds strong to a gale; squally, showery, colder.
↑ 1	SCOTLAND EAST	
↑ 2	ENGLAND N.E.	
3	ENGLAND EAST	NW^ly winds, freshening considerably; squally, rainy, colder.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 0 to 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	Same as Nos. 3 to 5.
10	IRELAND SOUTH	
	WARNINGS	At 7.25 pm. yesterday to districts 0 to 2 and 6. Hoist North 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 ...	29.42	63	62	NW	2	r	2
Sumburgh Head	29.67	47	45	NW	3	c	3
Stornoway	29.81	55	55	WNW	3	o	3
Aberdeen	29.77	51	45	NW	5	ogq	4
Shields	29.81	52	48	NNE	3	c	3
Ardrossan	29.81	56	52	NW	2	c	1
Malin Head ...	29.91	53	53	NW	5	orm	3
Belmullet	30.01	57	56	W	2	ow	*
Holyhead	29.94	54	52	WNW	3	op	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.08	57	55	WNW	2	o	4
Scilly	30.05	57	54	NW	4	c	2
Jersey	29.99	60	55	WNW	4	c	3
Hurst Castle ...	29.91	63	56	WNW	3	bc	2
Dungeness ...	29.85	57	53	NNW	2	bc	1
North Foreland	29.84	57	53	NW	4	c	3
London (Westminster)	29.86	59	50	NNW	4	bc	*
Yarmouth ...	29.78	53	51	NW	4	cq	4
Rochefort ...	30.06	61	58	NNW	5	o	*

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

Weather in morning fine and bright over the Spanish Peninsula, the N. of Africa, and SE. Europe, as well as over many parts of our Islands and Nw. Europe; dull, rainy and very unsettled over Germany, the Baltic and Sweden, and not at all settled over NW. Europe as a whole. Heavy falls of rain later over N. Germany and the Sw. parts of Scandinavia, smaller quantities over the N. of Scotland, and showers over almost the whole of the British Islands, and in some parts of France.

Temperature in morning highest 81° at Malta, 76° at Patras, 73° at Algiers, 72° at Constantinople, 60° at Lisbon and Bilbao, 56° to 54° at most of our own SWw. and Sw. stations, and 59° to 56° over N. Germany and the Sw. parts of Sweden. Lowest 41° at Haparanda, 45° at Kuopio and at Sumburgh Hd., 49° to 46° over the Nw. parts of our Islands. Rising later to 66° at Leith, to 64° at Prawle Point and Hurst Castle to 63° at Skudesnaes, and to 62° in London, to between 63° and 66° over the Sw. parts of France, and to 70° at Lisbon, but not exceeding 57° at Berlin, and 58° at Paris.

Wind N. and NW.; moderate to light over the British Islands, the North Sea, and the N. and W. of France, but S. to E. over the Baltic and Nw. Europe, light and very variable over the Sw. and SEern. countries. Not much change in our Islands later, but blowing strongly from ESE. at Stockholm, and from NW. at Malin Hd.

Barometer highest (1) 30.1 ins. and more over the W. of Ireland and adjacent parts of the Atlantic, and exceeding 29.9 ins. over all the Wern. parts of the British Islands and France; (2) exceeding 29.9 ins. over Finland, the Kola Peninsula and the North Sea, (3) exceeding 30.0 ins. over the Black Sea and S. of Russia. Lowest 29.4 ins. and less in a complex system stretching Nwds. from Germany to the S. of Norway, and below 29.7 ins. over Austria, the N. of Italy and the Riviera. New depressions developing over NWern. Europe later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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, 22nd September, 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 ...	29.61	51	NE	2	0	29.50	-.33	51	50	+8	SE	2	c	*	0	*	59	36	0.08
	Hernösand ...	29.41	50	S	4	r	29.12	-.37	49	47	-2	SE	4	c	*	r	*	55	46	1.02
	Stockholm ...	29.20	48	SE	2	0	29.23	-.05	43	44	-5	SW	2	0	*	0	*	57	45	0.12
	Wisby	29.26	48	S	6	c	29.30	-.05	52	51	0	SW	6	r	*	c	*	52	45	0.98
	Karlstad ...	29.20	46	NW	0	bc	29.23	+.14	42	?	-4	NW	0	bcq	*	bc	*	*	*	0.28
	Bodö	29.53	SW	E	2	0	29.28	-.36	55	50	+2	E	4	0	2	0	*	57	50	-
	Christiansund ...	29.12	51	ESE	4	c	29.08	-.15	48	43	-6	ESE	2	bc	2	c	*	59	46	r
	Skudesnaes ...	29.17	53	NNW	6	0	29.32	+.21	49	46	0	NW	8	r	4	0	*	58	43	*
	Færder (Christiania Fjord)	29.19	50	NE	2	c	29.24	+.22	48	45	0	NNW	1	bc	2	c	*	50	46	0.85
	Skagen (The Scaw)	29.16	51	ESE	1	0	29.26	+.21	50	49	+1	NNW	1	r	0	0	*	54	49	0.08
	Fanö	29.31	53	W	4	c	29.49	+.35	53	51	+4	NNW	4	0	*	c	*	54	49	0.20
British Isles.	Sumburgh Head	29.34	49	NW	4	0	29.31	.00	51	49	+6	W	2	c	4	0	*	52	44	0.07
	Stornoway ...	29.64	49	NW	6	c	29.45	-.09	49	49	-2	W	3	bc	4	c	7.3	53	46	0.14
	Wick	29.53	45	NW	6	c	29.42	+.05	53	52	+1	NW	3	0	2	c	*	54	44	0.05
	Nairn	29.64	50	W	3	bc	29.50	+.04	51	51	-2	W	2	c	1	bc	*	56	46	0.01
	Aberdeen ...	29.57	50	WNW	6	bq	29.53	+.14	50	47	-4	SW	3	oq	3	bcq.bq	6.6	57	45	-
	Leith	29.64	53	W	4	b	29.62	+.14	53	50	-6	WSW	3	0	*	b	*	64	48	-
	Shields	29.65	53	W	5	bc	29.70	+.24	52	49	-4	WSW	3	0	2	c.bc	*	61	47	-
	Spurn Head ...	29.67	56	WNW	5	c	29.76	+.34	55	52	0	W	4	c	2	c	*	60	50	-
	York	29.71	55	W	4	b	29.79	+.25	54	51	-4	W	2	0	*	b	10.1	63	46	-
	Loughborough ...	29.81	53	WNW	3	c	29.88	+.22	51	48	-4	W	2	cm	*	cq.bc.o	*	61	49	-
	Ardrossan ...	29.72	53	WNW	3	cq	29.64	+.08	53	52	-1	W	4	0	4	cq	*	56	51	-
	Malin Head ...	29.82	52	WNW	6	0	29.63	-.10	52	51	-1	W	6	o rm	5	q.o	*	54	49	0.06
	Belmullet ...	29.98	54	W	1	0	29.77	-.17	55	52	0	W	2	0	*	o	*	57	48	0.02
	Donaghadee ...	29.86	53	NW	6	bcq	29.74	+.03	52	50	-2	NNW	4	c	2	bc	*	59	48	-
	Liverpool (Bidston)	29.81	54	W	6	c	29.82	+.16	53	49	-2	NNW	2	0	4	p.c	*	57	51	-
	Holyhead ...	29.89	54	NW	7	bcq	29.84	+.09	53	51	-3	SW	4	c	3	cqp.bcq	*	58	51	-
	Parsonstown ...	29.98	53	W	2	0	29.88	.00	52	50	-2	SE	1	0	*	c.o	4.0	58	49	-
	Valencia ...	30.08	55	NNW	2	0	29.87	-.11	54	54	-2	SSW	2	opm	4	0	0.1	58	52	0.01
	Roche's Point ..	30.04	56	NW	3	0	29.90	-.04	55	53	-4	NNW	2	c	3	c.o	*	59	50	-
	Pembroke (St. Ann's Hd.)	29.96	56	NW	5	0	29.93	+.10	56	53	-2	NNW	5	oq	4	c.o	3.3	60	54	-
	Scilly	30.00	58	NNW	3	bc	29.97	+.04	57	55	-1	SSW	3	0	2	om.bc	0.6	61	53	-
	Prawle Point ...	29.96	55	W	2	c	29.99	+.12	54	50	-2	NNW	4	0	2	c	*	65	49	-
	Jersey (St. Aubin's)	29.95	61	W	4	c	30.05	+.14	58	54	-2	W	3	om	3	.oap	*	62	52	0.01
	Hurst Castle ...	29.87	58	WNW	3	c	29.99	+.19	55	53	-3	W	3	0	2	bc.c	*	67	51	-
	Dungeness ...	29.77	61	NNW	3	bc	29.95	+.22	53	50	-3	WNW	3	c	2	bc	*	66	46	-
	North Foreland	29.78	57	W	5	bq	29.91	+.20	52	50	-3	SW	3	0	2	bc.bq	*	64	47	-
	London (Brixton) ...	29.82	58	NW	4	bc	29.86	+.22	51	48	-5	W	1	0	*	bc.o	4.7	67	46	-
	Oxford	29.90	50	NW	2	bc	29.94	+.21	51	48	-5	WSW	1	0	*	bc.o	*	66	48	-
	Cambridge ...	29.80	54	NW	3	b	29.93	+.26	51	49	-3	SW	2	0	*	c.b	5.9	65	48	-
	Yarmouth ...	29.76	57	WNW	4	c	29.83	+.23	51	49	-3	WSW	4	c	4	cq.c	*	63	45	-
Germany & Holland.	Cuxhaven ...	29.89	54	WSW	3	0	29.62	+.27	54	53	+3	NW	5	c	*	r.o	*	57	51	0.67
	Berlin	29.59	52	SW	4	r	29.70	+.12	51	50	+2	W	5	r	*	r	*	55	49	0.16
	Wiesbaden ...	*	*	*	*	*	29.92	+.12	50	49	-1	SE	0	bc	*	*	*	55	48	0.20
	Munich	29.93	49	W	5	b	30.01	+.04	49	48	+5	W	4	r	*	b	*	55	44	0.04
	The Helder ...	29.59	58	NW	6	0	29.78	+.25	55	50	-1	WNW	5	c	3	0	*	59	55	0.20
Belgium.	Brussels ...	*	*	*	*	*	29.96	+.22	49	47	-3	WSW	3	0	*	0	*	57	45	0.08
	Cape Gris Nez ..	29.76	59	W	5	c	29.92	+.19	55	51	0	WNW	4	0	4	c	*	61	52	-
	Paris	29.91	57	SW	2	0	30.05	+.15	50	50	-1	SSW	2	c	*	0	*	60	49	-
	Brest	30.02	58	NW	2	[illegible]	30.08	+.09	54	53	-2	NW	1	0	4	[illegible]	*	59	52	0.04
	Lorient	30.04	60	NW	2	0	30.12	+.13	55	54	-2	NW	2	0	2	0	*	66	48	-
France &	Rochefort ...	30.10	62	NW	3	0	30.16	+.09	60	59	+2	NW	3	r	*	c.o	*	66	58	0.08
	Belfort	29.95	51	NNW	4	0	30.01	+.04	51	51	+5	NNW	4	m	*	o	*	55	46	0.04
	Lyons	30.04	52	N	1	0	30.12	+.06	53	53	+7	SE	1	m	*	0	*	60	46	0.04
	Nice	29.76	60	W	0	b	29.88		60	49		E	4	b	1	b	*	70	54	-
	Perpignan ...	30.05	64	W	3	b	30.12	+.07	63	56	+4	NW	3	0	*	b	*	70	59	-
	Biarritz ...	30.10	64	W	5	r	30.11	+.03	65	61	+3	WNW	5	0	4	r	*	66	59	0.24
Peninsula.	Corunna ...																*			
	Lisbon	30.17	65	N	6	b	30.23	+.08	65	53	+1	N	3	b	*	b	*	79	59	-
	Azores (P. Delgada)	30.36	67	NE	4	c	30.36	+.05	68	64	+3	NE	1	bc	2	c	*	72	64	-

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

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

Bright Sunshine yesterday Southport 6.3 hrs;

WEATHER CHARTS

FOR Wednesday, 22nd September, 1897.

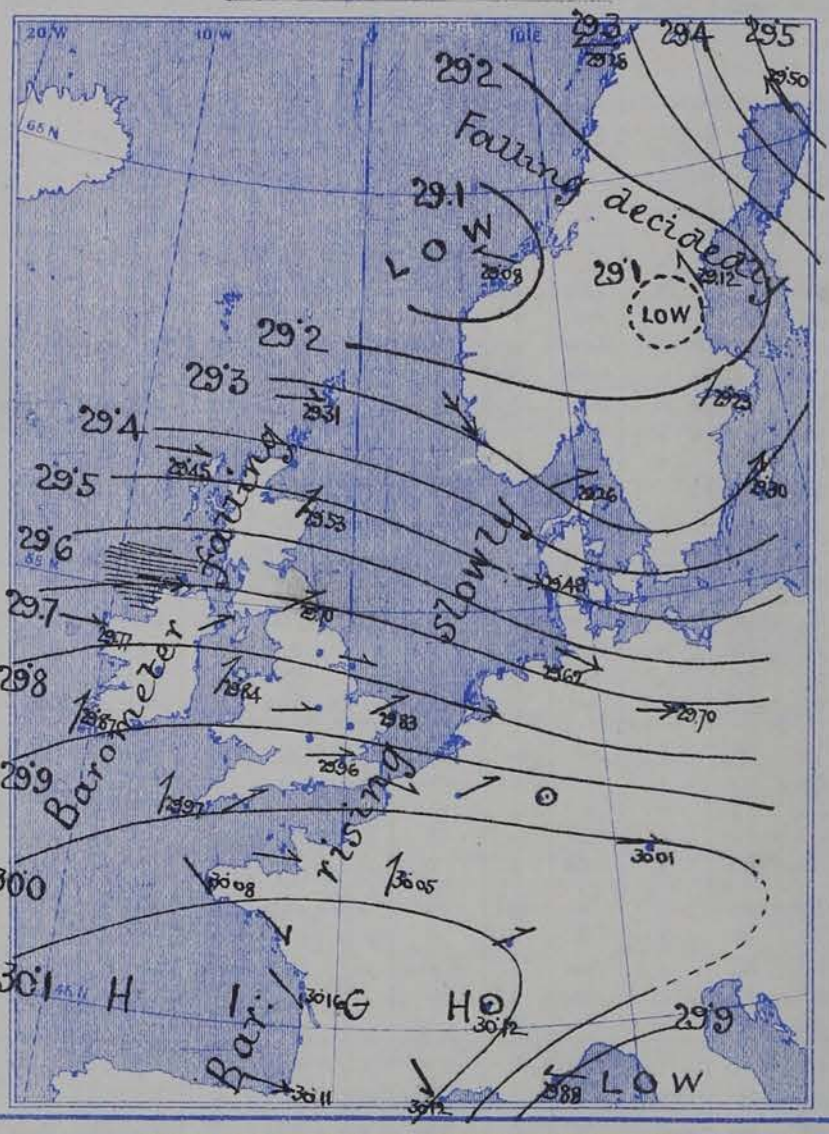
BAROMETER, WIND AND SEA.

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 ▩

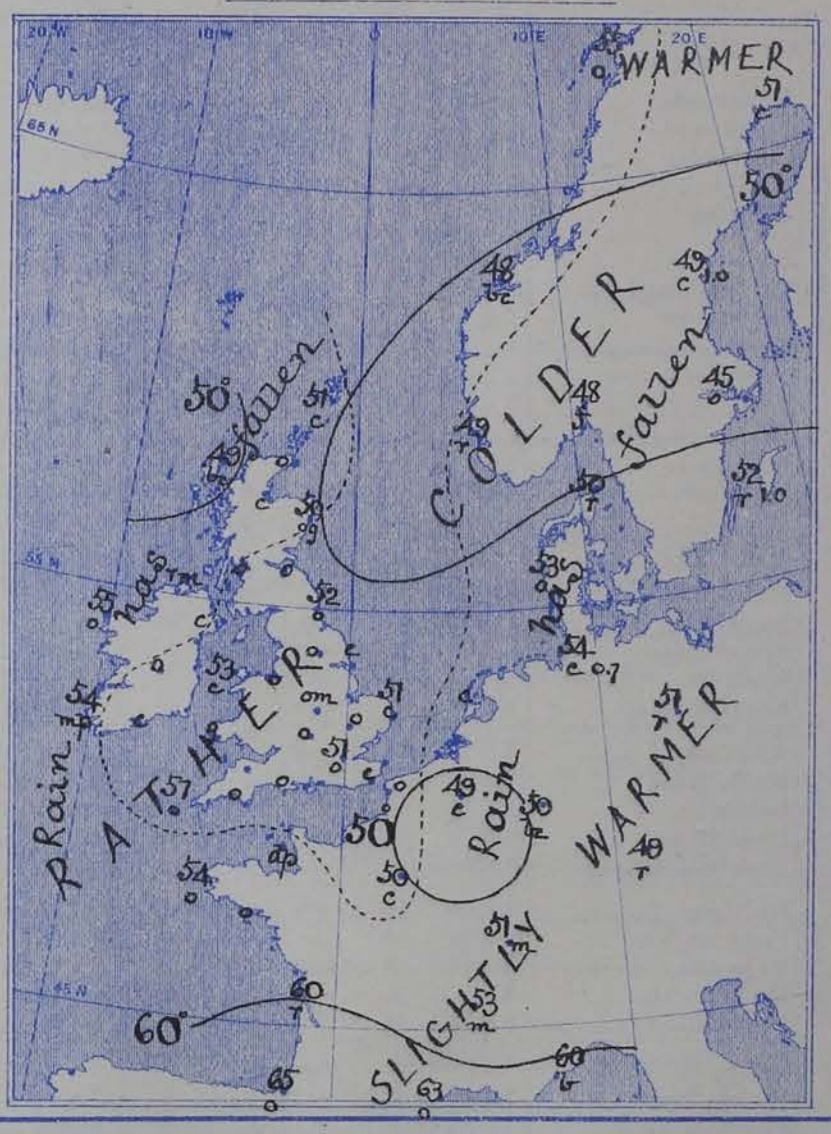


TEMPERATURE & WEATHER.

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 SEPTEMBER.

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	29·793	50·8	49·1	55·0	46·1	68	1880	34	1887, 88	3·38	—	—
Stornoway	29·814	51·5	50·2	56·5	45·8	69	1880, 95	32	1871, 75, 85	4·09	103·3	27
Wick	29·831	52·0	50·1	57·8	45·7	74	1884, 91	29	1885, 87	2·51	—	—
Nairn	29·843	51·5	49·1	59·5	46·2	77	1895	25	1892	2·48	—	—
Aberdeen	29·863	52·3	49·8	59·3	46·6	79	1891	30	1887	2·89	124·2	33
Leith	29·887	53·3	50·8	62·0	47·5	81	1873, 91	33	1886	2·19	—	—
Shields	29·910	53·2	51·0	60·1	48·2	79	1895	34	1885, 89, 93	2·30	—	—
Spurn Head	29·947	55·6	53·8	60·7	52·5	75*	1895	38*	1892	1·83	—	—
York	29·948	52·9	51·0	63·2	47·5	83	1895	30	1885	2·45	118·4	32
Loughborough	29·971	53·6	51·9	65·4	47·6	86*	1891, 95	30*	1885, 94	2·50	—	—
Ardrossan	29·892	53·7	51·6	59·7	49·4	78	1880	32	1885	3·38	—	—
Malin Head	29·869	53·5	51·1	58·4	51·1	—	—	—	—	—	—	—
Belmullet	29·904	55·1	52·7	59·6	51·6	—	—	—	—	4·26	—	—
Donaghadee	29·916	53·6	52·4	60·0	49·4	71	1893	36	1882, 94	2·74	—	—
Holyhead	29·941	55·8	53·6	60·8	52·5	78	1880	43	1873, 85	3·10	—	—
Liverpool	29·947	54·7	52·0	61·5	50·9	82	1880	39	1885	3·17	—	—
Parsonstown	29·948	52·8	50·9	61·7	47·2	79	1880	30	1885	2·92	124·7	33
Valencia	29·961	56·4	54·1	31·8	51·3	78	1895	37	1885	4·38	130·4	35
Roche's Point	29·963	55·6	53·4	61·7	51·0	74	1880	39	1893	3·74	—	—
Pembroke	29·962	56·2	54·0	60·3	53·1	74	1895	40	1885	3·32	146·5	39
Scilly	29·982	58·5	56·4	62·0	54·8	72	1880, 93, 95	44	1885, 88	3·28	—	—
Prawle Point	30·004	57·2	55·3	62·5	52·3	76*	1889	36*	1885	2·41	—	—
Jersey	30·003	60·2	57·2	65·8	54·9	86	1895	41	1891	2·96	183·4	49
Hurst Castle	30·002	57·3	55·7	64·6	52·3	77	1895	35	1885	2·76	—	—
Dover	29·981	57·9	55·5	63·7	53·2	77	1880	32	1885	2·53	—	—
LONDON	29·991	55·8	53·4	66·5	49·6	87	1880	30	1877	2·17	111·5†	30†
Oxford	29·985	53·9	52·0	64·3	48·8	83	1880, 95	33	1885	2·43	141·0	38
Cambridge	29·979	54·6	52·9	66·0	47·9	88	1880	31	1885	2·13	144·2	39
Yarmouth	29·959	56·4	54·4	62·3	51·3	78	1880	33	1885	2·64	—	—

* 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 Bay of Biscay, France, and the south of our Islands.
Lowest, 29·0 ins: to 29·2 ins: over the greater part of Scandinavia.
Gradients moderate and decreasing. Barometer rising in the south and east, falling rather decidedly in Ireland.

TEMPERATURE

Highest, 65° to 60° in the south west and south of France, and exceeding 50° over almost the whole of our Islands and their neighbourhood.
Lowest, 42° at Karlstad, 45° at Stockholm, 49° at Hernösand and at Stornoway.
The maxima recorded yesterday exceeded 60° over England generally and touched 67° at Hunt Castle and in London.
Over France and Germany they were much lower – except in the extreme southern districts.

WIND

(1) W. to W.N.W. fresh to light over England and the Channel, S.W. at several of our eastern and northern stations, N.W. in the west of France.
(2) S.E. to E. over the northern parts of Scandinavia.
The gales which prevailed over the northern parts of our Islands have all died down.

WEATHER

Still very unsettled over Scandinavia and the eastern shores of the North Sea, dull but fair over Great Britain, dull and less fair over Ireland generally – very little in our Islands. Large quantities of rain have fallen over Scandinavia and at Cuxhaven; smaller quantities over Germany and France. Bright Sunshine recorded yesterday was 10 hrs at York, 7·3 hrs at Stornoway, 5·9 hrs at Cambridge, but only 0·6 hr: at Scilly, and 0·1 hr: at Valencia.

SEA

Moderate in the west and north, smooth in the south and east.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A change of wind and weather is now probable – as the N.W. current is giving way to warmer breezes from S.W. & S.

FORECASTS

For the 24 hours ending at NOON on 23rd Sept: 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Wind backing to S.W. or S.; weather milder, fine to showery.
1	SCOTLAND EAST	W. to S.W. winds, moderate; fine and mild, some rain later.
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	W. and S.W. winds; warm and fair today, rain at night or in morning.
6	SCOTLAND WEST	Same as No 0.
7	ENGLAND N.W.	
8	ENGLAND S.W.	S.W. or S. winds, becoming strong and squally, with showers.
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	At 10·30 am to districts 0 to 2, and 6 "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 ...	29·11	58	52	NNW	6	o	3
Sumburgh Head	29·31	49	47	NW	3	o	4
Stornoway	29·61	53	53	NW	1	c	1
Aberdeen	29·51	56	48	NW	3	bcq	5
Shields	29·58	60	52	W	5	c	3
Ardrossan	29·58	55	54	NNW	4	c	3
Malin Head ...	29·80	53	49	NW	1	o	5
Belmullet	29·98	55	50	NNW	3	o	*
Holyhead	29·86	56	52	NW	1	cqp	6

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·05	56	51	NNW	4	o	4
Scilly	29·98	60	58	NW	4	om	3
Jersey	29·93	61	59	NNW	5	o	4
Hurst Castle ...	29·80	66	61	NNW	5	bc	3
Dungeness ...	29·72	62	59	SW	4	bc	3
North Foreland	29·72	63	60	W	4	bc	2
London (Westminster)	29·72	67	56	NW	4	bc	*
Yarmouth ...	29·60	57	55	NNW	5	cq	4
Rochefort ...	30·09	64	62	NW	5	c	*

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

Weather in morning fine over Spain, and also over the south of Russia, as well as at several stations in central Europe; cloudy and unsettled elsewhere especially over the north of our Islands, the North Sea, Denmark, and Scandinavia. Rain falling later over almost the whole of northwestern Europe – heavily over Sweden and at Cherbourg; scarcely any rain in our Islands.

Temperature risen over the United Kingdom and France, fallen over Central Europe and Italy. Morning readings highest 75° at Malta, 68° at Nicolaieff, 62° at Biarritz and exceeding 50° over the British Islands as a whole and in many parts of northwestern Europe. Lowest (1) 43° at Haparanda, 49° at Archangel, Kuopio and St Petersburg; (2) 45° at Lemburgh Hd, 46° to 50° over Denmark and the southern parts of Norway; (3) 46° at Warsaw, 48° at Hague and Cracow, 49° at Vienna; (4) 44° at Munich, 46° at Belfort, Zurich and Lyons. Rising later to between 60° and 67° over England, but not reaching 60° at the German stations, reaching 70° at Nice and Perpignan.

Wind very variable (1) NW¹ strong and squally over the United Kingdom, W¹ to S⁷, strong to a gale over Germany and the Baltic, SE¹ to E⁷ over northern Europe; (2) light to moderate in force and extremely variable in direction over the southern half of Europe and the Mediterranean – chiefly cyclonic over Sicily, Italy, and the Adriatic. Decreasing in force over the north of our Islands later, not much change elsewhere.

Barometer highest (1) 30·31 ins. in the Azores, and varying from 30·2 ins. and more to 29·9 ins. over Spain, the greater part of France, and Austria; (2) 30·0 ins. and more to 29·9 ins. over the southeastern and eastern parts of Russia. Lowest 29·0 ins. to 29·1 ins. in a depression covering Denmark, the Skaga Rack and the most southern parts of Norway and Sweden. Latter disturbance moving northeastwards later and barometer rising all over the British Islands and France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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 Thursday, 23rd September, 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 ...	29.36	?	S	4	r	29.37	-.13	48	45	- 3	SE	0	0	#	r	#	?	48	0.24
	Hernösand ...	29.23	49	S	4	c	29.30	+.18	42	41	- 7	SE	0	c	#	c	#	52	?	0.12
	Stockholm ...	29.33	49	SE	0	0	29.40	+.17	51	50	+ 6	ESE	4	b	#	0	#	54	44	-
	Wisby	29.45	53	SW	8	b	29.52	+.22	52	50	0	SW	4	c	#	b	#	55	46	0.04
	Karlstad ...	29.29	50	NNW	6	b	29.35	+.12	48	47	+ 6	NW	2	0	#	b	#	#	#	-
	Bodö	29.10	53	E	1	b	29.13	-.15	50	44	- 5	E	3	0	2	b	#	55	46	-
	Christiansund ...	29.18	48	SW	8	0	29.26	+.18	47	44	- 1	SW	6	r	4	0	#	55	46	0.08
	Skudesnaes ...	29.33	51	NW	2	0	29.36	+.04	49	46	0	SE	0	c	3	0	#	54	45	#
	Færder (Christiania Fjord)	29.30	55	W	6	b	29.32	+.08	49	47	+ 1	W	1	0	3	b	#	55	48	-
	Skagen (The Scaw)	29.42	50	W	4	b	29.36	+.10	51	50	+ 1	W	4	bc	1	b	#	57	48	0.55
	Fanö	29.56	53	NNW	6	r	29.48	-.01	54	50	+ 1	W	6	c	#	r	#	?	50	0.39
British Isles	Sumburgh Head	29.26	49	W	2	b	29.27	-.04	46	45	- 5	NNW	1	0	3	c,b	#	56	44	0.03
	Stornoway ...	29.38	48	W	5	bc	29.18	-.27	50	50	+ 1	SW	5	r	6	c.bc	5.2	54	42	0.12
	Wick	29.37	48	NW	3	0	29.29	-.13	49	48	- 4	SW	1	0	2	0	#	56	40	0.05
	Nairn	29.40	48	W	1	c	29.34	-.16	50	49	- 1	SE	0	c	1	c	#	58	44	0.15
	Aberdeen ...	29.40	50	NNW	3	c	29.41	-.12	47	45	- 3	S	4	ogqr	3	fp.c	0.2	57	44	0.10
	Leith	29.46	52	W	3	r	29.47	-.15	53	50	0	NNW	4	0	#	r	#	55	46	0.10
	Shields	29.54	55	SW	3	c	29.59	-.11	52	49	0	SW	3	0	2	0.c.p	#	57	46	-
	Spurn Head ...	29.66	54	NNW	4	0	29.70	-.06	54	51	- 1	NNW	4	c	3	c.o	#	59	51	-
	York	29.62	55	SW	3	0	29.68	-.11	53	51	- 1	SSW	3	c	#	0	0.0	57	48	-
	Loughborough ...	29.74	54	SW	2	r	29.76	-.12	53	51	+ 2	NNW	2	bcmwu	#	c.gmac	#	59	49	0.06
	Ardrossan ...	29.49	51	W	3	op	29.44	-.20	54	53	+ 1	SW	4	0	4	op	#	54	50	0.30
	Malin Head ...	29.55	52	W	6	qmr	29.34	-.29	53	52	+ 1	NNW	6	oqr	6	oq.rqm	#	54	50	0.19
	Belmullet ...	29.68	53	W	2	op	29.48	-.29	58	56	+ 3	NNW	4	0	#	o.op	#	58	50	0.06
	Donaghadee ...	29.61	54	NNW	4	c	29.54	-.20	55	53	+ 3	NNW	5	0	3	c	#	57	48	0.01
	Liverpool (Bidston)	29.67	55	NNW	4	bc	29.69	-.13	56	52	+ 3	SW	3	0	3	bc	#	57	51	-
	Holyhead ...	29.69	55	SW	4	cpd.	29.69	-.15	56	53	+ 3	SW	4	0	3	o.cpd.	#	56	52	-
	Parsonstown ...	29.77	55	W	1	c	29.62	-.26	56	54	+ 4	SE	2	0	#	o,r	0.0	57	50	0.03
	Valencia ...	29.81	57	W	2	0	29.70	-.17	58	56	+ 4	SSW	5	oq	5	op.o	0.1	58	53	0.03
	Roche's Point ..	29.75	58	SW	3	c	29.77	-.13	58	56	+ 3	NNW	3	0	3	c	#	59	52	-
	Pembroke (St. Ann's Hd.)	29.77	55	NNW	4	r	29.79	-.14	57	56	+ 1	W	5	oq	4	o.r	0.0	57	54	0.07
	Scilly	29.82	59	NNW	3	m	29.90	-.07	58	57	+ 1	SW	3	0	2	ofw.m	0.0	59	55	0.32
	Prawle Point ...	29.83	54	SSW	3	c	29.90	-.09	56	55	+ 2	NNW	5	c	3	or.c	#	57	52	0.13
	Jersey (St. Aubin's)	29.86	53	SSE	3	r	29.95	-.10	59	58	+ 1	W	4	cm	4	qr.p	#	60	54	0.46
	Hurst Castle ...	29.82	56	NNW	4	0	29.86	-.13	58	56	+ 3	NNW	4	c	2	op.o,p	#	58	54	0.05
	Dungeness ...	29.81	55	NNW	5	r	29.83	-.12	57	57	+ 4	W	2	c	1	c.r	#	60	53	0.06
	North Foreland	29.83	55	SW	2	c	29.82	-.09	56	50	+ 4	SW	2	bc	2	o,c	#	60	50	-
	London (Brixton) ...	29.79	54	W	2	bc	29.82	-.14	56	54	+ 5	W	2	b	#	o,bc	0.3	59	50	-
	Oxford	29.77	53	NNW	2	0	29.82	-.12	55	53	+ 4	NNW	2	bc	#	og	#	56	51	-
	Cambridge ...	29.76	55	SW	3	0	29.80	-.13	54	52	+ 3	SW	3	bw	#	o	0.6	58	46	-
	Yarmouth ...	29.75	55	SW	4	c	29.74	-.09	54	52	+ 3	NNW	3	bm	3	bc,c	#	58	49	-
Germany & Holland.	Cuxhaven ...	29.71	54	NNW	4	c	29.60	-.02	54	53	0	NNW	5	qp	#	c.rq	#	57	52	0.47
	Berlin	29.83	52	W	4	0	29.77	+.07	50	49	- 1	SW	4	r	#	o	#	61	48	0.12
	Wiesbaden ...	#	#	#	#	#	29.87	-.05	52	51	+ 2	E	0	0	#	#	#	57	48	-
	Munich	30.06	50	W	1	0	30.00	-.01	51	50	+ 2	S	1	0	#	0	#	59	48	0.12
	The Helder ...	29.72	57	NNW	5	0	29.71	-.07	57	53	+ 2	W	4	bc	2	0	#	57	55	-
Belgium.	Brussels ...	#	#	#	#	#	29.86	-.10	53	52	+ 4	SW	2	0	#	0	#	57	48	0.04
	Cape Gris Nez ...	29.81	57	NNW	5	r	29.79	-.13	57	56	+ 2	W	3	0	3	r	#	61	52	0.08
	Paris	29.97	55	S	2	0	29.92	-.13	57	56	+ 1	SSW	2	0	#	0	#	61	50	-
	Brest	29.94	59	WNW	3	0	29.99	-.09	58	58	+ 4	WNW	2	1	3	0	#	59	52	0.20
	Lorient	29.98	60	W	6	r	30.01	-.11	59	59	+ 4	W	5	r	5	r	#	63	48	0.32
France &	Rochefort ...	30.13	62	NW	4	r	30.12	-.04	64	60	+ 4	NW	5	0	#	c.r	#	66	57	0.20
	Belfort	30.01	55	NNW	3	0	29.99	-.02	52	52	+ 1	NNW	1	†	#	0	#	59	50	0.24
	Lyons	30.08	60	SE	1	0	30.12	.00	55	54	+ 2	SSE	1	0	#	0	#	68	53	0.20
	Nice	30.00	60	SW	2	bc	30.00	+.12	59	54	- 1	E	0	c	1	bc	#	72	54	-
	Perpignan ...	30.12	70	W	2	0	30.15	+.03	64	57	+ 1	SW	2	0	#	0	#	72	59	-
	Biarritz ...	30.17	63	NNW	3	c	30.15	+.04	64	61	- 1	SW	4	r	3	c	#	70	61	0.08
Penin-sula.	Corunna ...																#			
	Lisbon	30.21	66	NNW	5	b	30.23	.00	65	59	0	NNE	4	b	#	b	#	79	59	-
	Azores (P. Delgada)	30.37	68	ESE	3	b	30.32	-.04	66	64	- 2	SE	1	0	3	b	#	73	64	0.04

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

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

Bright Sunshine yesterday Southport 0.2 hrs;

WEATHER CHARTS

FOR Thursday, 23rd September, 1897.

BAROMETER, WIND AND SEA.

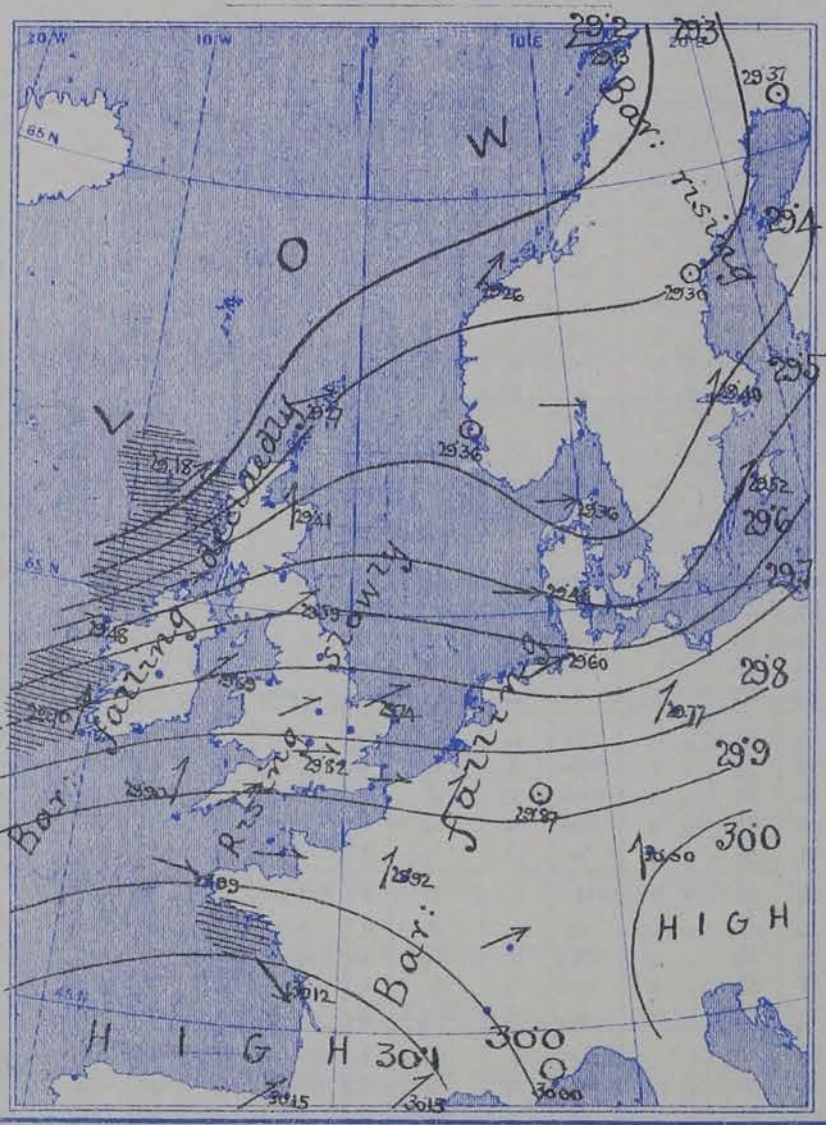
BAROMETER—Isobars are drawn for each tenth of an inch.

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 SEPTEMBER.

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1892, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	61 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* 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, the Bay of Biscay, France, and the north of Italy.
Lowest, 29·2 ins: and less off the extreme northwest coasts both of Scotland and Norway.
Gradients very steep off our northwest coasts, moderate over Ireland, England and Germany, slight over France and also over Scandinavia.
Barometer falling fast on our northwestern coasts, and the fall is spreading eastwards and southwards.

TEMPERATURE

Highest, 64° at the stations in the southwest of France, and 58° to 55° over the greater part of Ireland and England.
Lowest, 42° at Hernösand, 46° at Lumbruglı Hd, 47° at Aberdeen, 49° at Wick, Shetlands, and Leeuwarden.
The maxima recorded yesterday were below 60° over almost the whole of our Islands, but touched 61° at Berlin and Paris, and 72° at Nice Perpignan; the night was mild generally.

WIND

WSW^{3} to SSW^{3} over our Islands – light at the eastern stations, strong to fresh in the northwest and west.
W^{1} to S^{3} over Scandinavia and Denmark, and moderate to light in force.
Over the southern parts of France and Germany it is very light and variable.
A severe local squall was felt in the extreme north of Ireland at 3 pm yesterday.

WEATHER

Not at all settled, though temporarily fine over the greater part of England; dull, squally, and rainy on our extreme northwestern and western coasts, dull over France, rainy over Germany.
Rain has again fallen generally over the greater part of Western Europe, and showers in Ireland and Scotland. Over the central parts of England, however, the weather has been fine. Bright Sunshine recorded yesterday was 5·2 hrs at Stornoway, but less than an hour in most places.

SEA

Rough and rising in the extreme west and northwest, slight to smooth off our southeast and east coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the northwest is likely to cause very rough weather on our extreme west and northwest coasts which have been warned. Showery weather is probable over England also with a rising wind.

FORECASTS

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

DISTRICTS.		FORECASTS.
▼ 0	SCOTLAND NORTH	SW^{24} winds, strong; squally, rainy.
1	SCOTLAND EAST	SW^{24} winds, freshening; fair at first, showery later.
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
▼ 6	SCOTLAND WEST	Same as No 0.
7	ENGLAND N.W.	SW^{24} winds, fresh or strong; squally, showery, very unsettled.
8	ENGLAND S.W.	
▼ 9	IRELAND NORTH	S^{24} and SW^{24} winds, strong to a gale; rainy.
▼ 10	IRELAND SOUTH	
	WARNINGS	At 10·5 am today to districts 0, 6, and the western parts of 9 and 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.

1

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 ...	29.37	54	51	NW	6	o	4	Valencia	29.80	58	56	SW	2	o p s	4
Sumburgh Head	29.25	54	52	W	2	c	4	Scilly	29.84	59	58	NNW	2	o p r s	4
Stornoway	29.37	52	52	NNW	6	c	7	Jersey	29.97	56	54	SW	4	o p r	3
Aberdeen	29.41	56	51	SW	3	c	2	Hurst Castle ...	29.88	56	55	WSW	4	o p c	3
Shields	29.61	55	50	SW	3	o	2	Dungeness ...	29.85	58	55	SW	5	c	4
Ardrossan	29.55	53	52	W	4	op	4	North Foreland	29.88	58	55	SW	3	o o	2
Malin Head ...	29.55	53	52	W	4	op	6	London (Westminster)	29.83	60	59	WSW	3	o	*
Belmullet	29.72	56	53	W	4	o	*	Yarmouth ...	29.78	57	52	WSW	4	bc	4
Holyhead	29.73	56	52	WSW	4	o	3	Rochefort ...	30.17	66	64	NW	3	c	*

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

Weather in morning fine and bright over Spain, Algeria, and the greater part of the Mediterranean, as well as at some stations in central Europe; cloudy and changeable elsewhere, with rain in several parts of Germany, Austria, and the south of Russia, as well as at Rochefort and Valencia. Rain falling later over the greater part of our Islands and Western Europe, but weather remaining fair over the major part of England.

Temperature not changing much. Morning readings highest 81° at Constantinople, 80° at Athens, 70° at Algiers; above 60° at many of the Mediterranean stations, at Lisbon, and Biarritz; above 50° over our Islands, north Germany, Jutland and Lapland. Lowest 42° at Karlstad, 44° at St Petersburg, 45° at Haparanda, 49° at Aberdeen and Stornoway. Rising later to between 55° and 60° over the United Kingdom, to 61° at Berlin and Paris, and 72° at Nice and Perpignan. Following night mild over Ireland and England generally.

Wind (1) light to moderate in force and very variable in direction over the Mediterranean and the southern and eastern parts of Europe; (2) Cyclonic in the northwest and north — mainly W[3] and moderate over the British Islands, NW[1], strong to a gale, on the eastern shores of the North Sea, but SW[1] to SE[3] strong to a gale on the eastern shores of the Baltic; E[2], and moderate in the northwest of Norway. Very little change later.

Barometer in morning highest (1) 30·31 in: at Coruna, and ranging from 30·3 in: to 30·0 in: over Spain, the Bay of Biscay and France; (2) 29·9 in: and more over the southeast and northeast of Russia. Lowest, 29·1 in: and less to 29·2 in: in a complex disturbance over Norway and Sweden. Norwegian disturbance filling up during day, but barometer falling over the United Kingdom.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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, 24th September, 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 ...	29.32	48	W	2	r	29.30	-.07	48	47	0	W	2	r	*	r	*	52	43	0.32
	Hernösand ...	29.38	40	NW	0	b	29.31	+.01	45	44	+ 3	NW	0	fg	*	b	*	59	39	-
	Stockholm ...	29.44	48	S	2	b	29.43	+.03	49	48	- 2	S	4	r	*	b	*	55	45	-
	Wisby	29.56	53	WSW	8	bc	29.57	+.05	52	52	0	SW	10	r	*	bc	*	63	48	0.08
	Karlstad ...	29.43	?	S	2	0	29.33	-.02	56	54	+ 8	ESE	4	c	*	0	*	#	#	0.79
	Bodö	29.24	50	S	4	0	29.12	-.01	46	42	- 4	E	4	b	1	0	*	50	41	0.12
	Christiansund ...	29.23	47	SW	3	c	29.03	-.23	53	48	+ 6	SW	2	c	3	c	*	52	46	0.08
	Skudesnaes ...	29.25	51	SSW	9	r	29.44	+.08	51	50	+ 2	W	8	c	5	0.r	*	55	45	*
	Færder (Christiania Fjord)	29.39	55	W	6	0	29.36	+.04	58	55	+ 9	WSW	6	m	4	0	*	?	49	-
	Skagen (The Scaw)	29.53	51	W	5	0	29.49	+.13	58	55	+ 7	W	7	bc	2	0	*	58	50	0.12
	Fanö	29.61	55	W	6	r	29.69	+.21	59	58	+ 5	WSW	6	c	*	r	*	59	52	0.04
	Sumburgh Head	28.90	54	SW	3	c	29.18	-.09	52	48	+ 6	W	5	c	6	r.c	*	54	45	0.23
	Stornoway ...	29.00	53	W	7	0	29.26	+.08	48	48	- 2	WSW	3	c	4	c,0	1.0	57	41	0.49
	Wick	29.00	58	W	6	bc	29.30	+.01	51	50	+ 2	W	3	bcu	1	bc	*	59	45	0.04
	Nairn	29.17	57	WSW	2	bc	29.32	-.02	54	53	+ 4	WNW	3	bc	3	bc	*	63	44	0.11
	Aberdeen ...	29.15	59	SW	5	bcq	29.39	-.02	52	50	+ 5	SE	2	c	3	cq,r,bcq	1.5	60	47	0.12
	Leith	29.27	57	W	4	0	29.43	-.04	57	54	+ 4	SW	2	0	*	0	*	61	51	0.06
	Shields	29.39	60	SSW	4	bc	29.53	-.06	61	57	+ 9	SW	4	c	2	0,bc	*	63	51	-
	Spurn Head ...	29.57	61	SW	5	c	?29.70	.00	61	55	+ 7	SW	6	b	5	c	*	63	54	-
	York	29.55	62	SSW	4	b	29.65	-.03	62	55	+ 9	SSW	5	b	*	b	4.1	65	52	-
	Loughborough ...	29.70	61	WSW	3	bc	29.78	+.02	59	55	+ 6	SW	2	0	*	c.bc.cq	*	66	53	-
British Islands.	Ardrossan ...	29.31	57	SW	3	0	29.41	-.03	56	55	+ 2	SW	4	0	4	r.0	*	59	53	0.27
	Malin Head ...	29.29	57	W	6	0q	29.44	+.10	52	50	- 1	WSW	6	0	5	0.0q.r	*	60	50	0.19
	Belmullet ...	29.46	58	WSW	4	0	29.55	+.07	52	50	- 6	W	3	0	*	0mq,0	*	59	50	0.32
	Donaghadee ...	29.41	63	WSW	6	cq	29.51	-.03	55	55	0	WSW	3	0	2	cq	*	64	53	0.12
	Liverpool (Bidston)	29.59	61	SW	5	bc	29.66	-.03	60	56	+ 4	SSW	6	0	4	bc	*	63	56	-
	Holyhead ...	29.58	59	SW	7	0qqm	29.61	-.08	58	58	+ 2	SW	7	dq	6	0qqm	*	60	54	0.02
	Parsonstown ...	29.57	60	W	3	r	29.58	-.04	56	55	0	W	2	0d	*	0d,r	1.1	65	54	0.47
	Valencia ...	29.64	60	SW	6	0qm	29.66	-.04	55	54	- 3	W	4	0pq	5	0qm	0.0	62	54	0.42
	Roche's Point ..	29.71	60	W	5	0	29.68	-.09	59	58	+ 1	W	4	r	4	0m	*	62	52	0.20
	Pembroke (St. Ann's Hd.)	29.74	57	WSW	6	r	29.73	-.06	59	58	+ 2	SW	6	0	7	0.r.q	0.1	59	55	0.02
	Scilly	29.89	61	SW	4	m	29.86	-.04	60	58	+ 2	SSW	6	c	4	cfm	0.9	62	56	0.01
	Prawle Point ...	29.90	57	SW	6	m	29.94	+.04	58	56	+ 2	WSW	6	c	5	mr.fr	*	59	55	0.08
	Jersey (St. Aubin's)	29.98	62	WSW	4	cq	30.06	+.11	59	58	0	WSW	5	cqp	4	c.cp	*	64	57	0.07
	Hurst Castle ...	29.88	60	SW	6	0	29.95	+.09	61	57	+ 3	SW	5	c	3	0	*	63	58	0.01
	Dungeness ...	29.85	60	SW	6	bc	29.95	+.12	60	59	+ 3	WSW	6	cqp	5	bc	*	64	57	0.01
	North Foreland	29.84	61	SW	5	cq	29.95	+.13	61	59	+ 5	S	3	0q	2	cq	*	66	56	-
	London (Brixton) ...	29.81	61	SW	4	0	29.93	+.11	60	55	+ 4	WSW	4	bc	*	bc,0	6.0	69	55	-
	Oxford	29.81	60	WSW	4	0	29.87	+.05	60	55	+ 5	SW	4	b	*	c,0d	*	64	55	-
	Cambridge ...	29.74	61	SW	4	b	29.87	+.07	62	57	+ 8	SW	5	c	*	bc,bq	7.0	67	52	-
	Yarmouth ...	29.71	63	SW	4	bc	29.83	+.09	62	58	+ 8	WSW	5	cq	4	bc	*	64	51	-
Germany & Holland.	Cuxhaven ...	29.75	56	WSW	4	c	29.85	+.25	58	58	+ 4	WSW	5	0	*	c	*	61	54	0.12
	Berlin	29.87	56	W	3	0	30.00	+.23	57	54	+ 7	SW	3	0	*	0	*	59	50	0.16
	Wiesbaden ...	*	*	*	*	*	30.14	+.27	56	55	+ 4	SW	1	0	*	*	*	?	?	-
	Munich	30.16	55	SW	6	bc	30.32	+.32	57	55	+ 6	SW	3	b	*	bc	*	61	51	-
	The Helder ...	29.72	59	SW	5	0	29.85	+.14	61	58	+ 4	SW	6	c	4	0	*	61	57	-
Belgium.	Brussels ...	*	*	*	*	*	30.07	+.21	60	59	+ 7	SW	5	0	*	0	*	66	52	-
	Cape Gris Nez ...	29.88	58	WSW	6	bc	29.96	+.17	59	58	+ 2	WSW	5	r	5	bc	*	61	55	-
	Paris	30.04	62	SW	2	b	30.15	+.23	59	57	+ 2	S	3	bc	*	b	*	71	57	-
	Brest	30.01	59	NW	1	bc	30.03	+.04	59	57	+ 1	SSW	2	0	3	bc	*	61	54	0.04
	Lorient	30.08	59	W	4	f	30.10	+.09	59	59	0	WSW	2	0	4	f	*	63	48	0.04
France &	Rochefort ...	30.19	64	WNW	3	c	30.20	+.08	62	60	- 2	SW	2	c	*	0,c	*	68	59	0.08
	Belfort	30.06	58	WSW	4	0	30.22	+.23	58	57	+ 6	W	2	bc	*	0	*	60	52	0.04
	Lyons	30.18	60	SSW	1	0	30.23	+.11	57	57	+ 2	WSW	1	m	*	0	*	64	48	0.04
	Nice	30.10	62	NE	0	c	30.29	+.29	58	57	- 1	E	0	bc	1	c	*	72	55	-
	Perpignan ...	30.18	69	NW	1	0	30.25	+.10	59	57	- 5	SW	1	b	*	0	*	78	55	-
	Biarritz ...	30.19	68	W	3	bc	30.12	-.03	57	55	- 7	ESE	3	b.	3	bc	*	72	54	-
Penin-sula.	Corunna ...																*			
	Lisbon	30.16	68	N	2	b	30.17	-.06	62	56	- 3	NE	3	b	*	b	*	81	57	-
	Azores (P. Delgada)	30.23	69	WSW	2	bc	30.13	-.19	69	67	+ 3	W	3	0	2	bc	*	72	66	-

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

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

Bright Sunshine yesterday Southport 1.7 hrs;

WEATHER CHARTS

FOR FRIDAY, 24TH SEPTEMBER 1897.

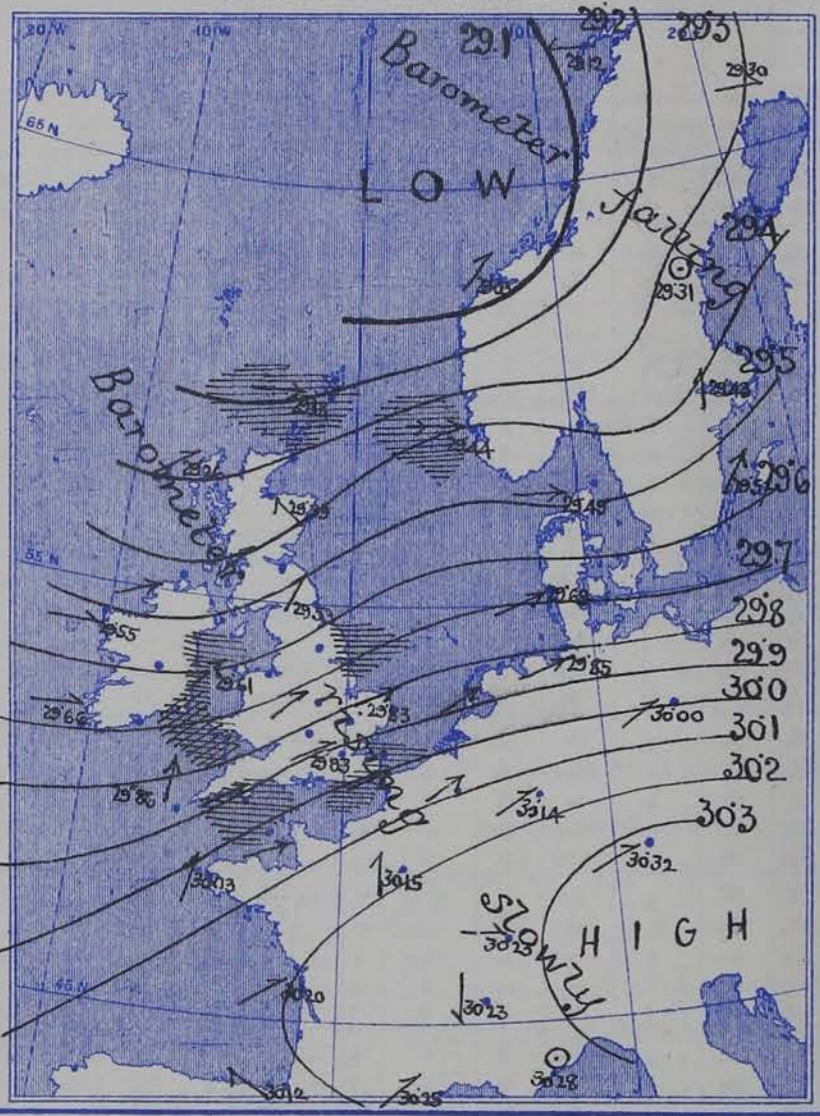
BAROMETER, WIND AND SEA.

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*

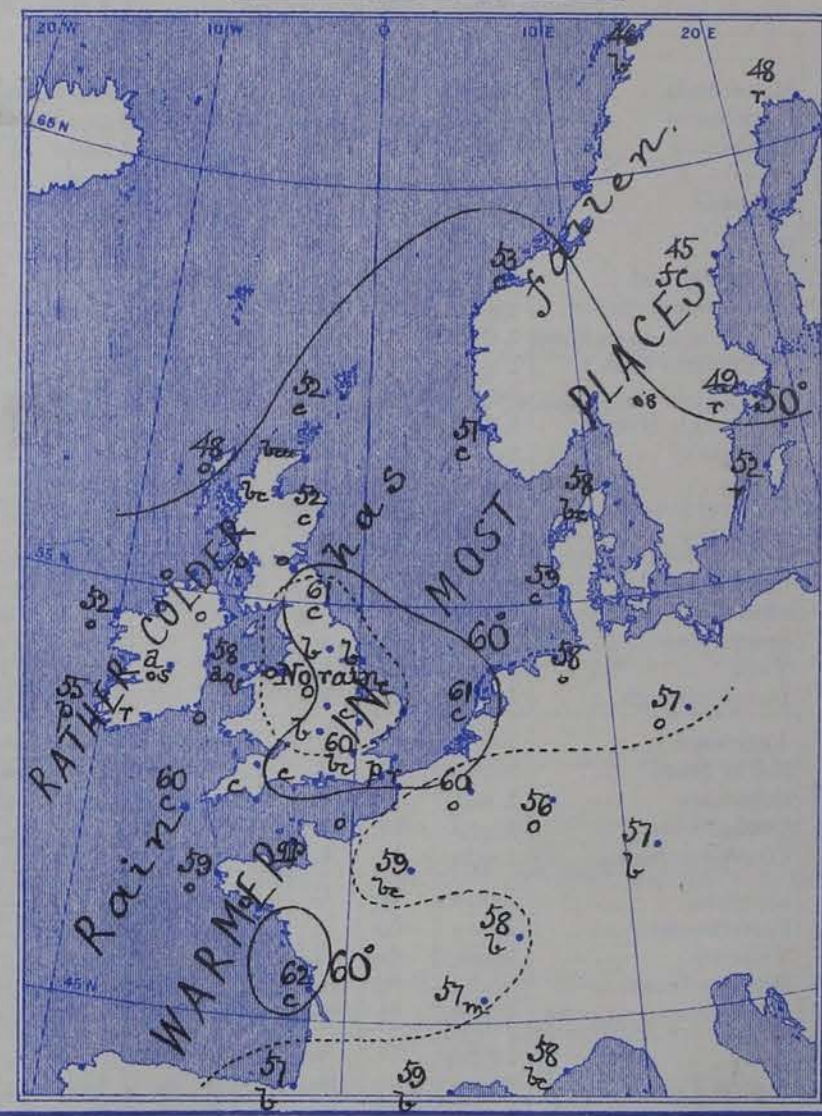


TEMPERATURE & WEATHER.

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 SEPTEMBER.*

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins: and more over Switzerland and the north of Italy, and exceeding 30·0 ins: all over Spain, France, and Germany;
Lowest, Below 28·1 ins: in a large depression lying off the northwest of Norway.
Gradients somewhat steep over our Islands and their neighbourhood.
Barometer inclined to rise in the southwest and south.

TEMPERATURE

Highest, 62° at Lisbon, over our own eastern counties and at York, 60° in London, 59° at Faroë and 58° at the Scaw
Lowest, 46° at Bodö, 48° at Haparanda and at Stornoway, 52° at Scumburgh Head, Aberdeen, and Pelmuallet.
Maxima ranging from 69° to 65° were recorded yesterday at many of the stations in England; 71° was the maximum at Paris, 72° at Nice, and 78° at Portugal.

WIND

SW^{3} and strong over England and the Channel; SW to W^{3}, strong to a gale over the south of Scandinavia, but W^{3}, and moderate in Ireland.
Moderate to fresh gales were felt at several of our northwestern and northern stations last night, and a whole gale at Malin Head at about Noon.

WEATHER

Fair over England, showery and unsettled on our western and northern coasts, very rainy over Sweden.
Rain has fallen very generally at the western and northern stations, and a small quantity at some of our southern stations and in France also.
Bright Sunshine yesterday was 7·0 hrs: at Cambridge, 6·0 hrs in London, but less than an hour at Scilly, and none at Valencia (Ireland)

SEA

High at Pembroke, rough on our south and west coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression in the north is moving northeastwards, a secondary system is moving across England. Changeable showery weather is still probable – especially in the west and north of our Islands.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW^{3} and W^{3} winds, fresh; showery.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SW^{3} winds, strong to moderate; passing showers, bright intervals.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	W^{3} breezes, moderating, some showers, then SW^{3} and increasing with rain and unsettled weather.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	At 3·15pm yesterday to district 1 Hoist South Cone. The signals are still flying in districts 0, 6, and parts of 9 & 10

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.41	52	49	SSW	4	o	3
Sumburgh Head	29.04	47	46	S	4	r	5
Stornoway	28.96	57	57	W	7	c	8
Aberdeen	29.17	56	53	SSW	7	cqp	5
Shields	29.43	59	55	SW	5	o	2
Ardrossan	29.30	58	57	SW	6	r	6
Malin Head ...	29.24	59	58	WNW	8	o	6
Belmullet	29.44	59	58	WSW	7	oqm	*
Holyhead	29.60	59	57	SW	7	oqgm	5

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.66	60	59	SW	5	om	6
Scilly	29.90	61	60	SW	4	cf	3
Jersey	30.00	63	60	WSW	5	c	4
Hurst Castle ...	29.89	61	58	WSW	5	ou	3
Dungeness ...	29.85	62	60	SW	5	bc	4
North Foreland	29.83	65	61	SW	4	c	3
London (Westminster)	29.81	69	58	WSW	4	bc	*
Yarmouth ...	29.73	64	56	SW	4	bc	3
Rochefort ...	30.18	67	64	NW	4	o	*

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

Weather in morning fine and bright in the extreme southwest and southeast of Europe, as well as at some of the Baltic stations and over the eastern part of England; cloudy elsewhere, with rain over many parts of the Continent, and in the north and northwest of our Islands. Rain falling later over the northern and eastern districts as a whole, as well as in the west and north of France, and some parts of Germany.

Temperature rising over Western Europe generally; morning readings highest 71° at Algiers, 70° at Malta, 68° at Barcelona, 66° at Brindisi; 58° at several of our more southwestern stations, 59° at Moscow. Lowest 42° at Hernösand, 47° at Christiansund, 48° at Karlstad; 46° at Lumburgh Hd., 47° at Aberdeen. Rising later to between 65° and 69° over many parts of England, 71° at Paris, 72° at Nice and Biarritz, 78° at Perpignan and 81° at Lisbon.

Wind light and very variable over all the southern and southeastern countries; W' to NW' over nearly all the northern districts, and backing towards S. in the west of Ireland. Increasing to a gale later over all the western and northern parts of the United Kingdom, the direction being SW' and W'. Gale very strong at Malin Head.

Barometer highest 30·2 ins. and more over the Spanish Peninsula and exceeding 29·9 ins. over France, Germany, and southern Europe generally. Lowest, below 29·2 ins. over the Hebrides, and apparently still lower over the adjacent parts of the Atlantic. Falling to 28·9 ins. in the Shetland Islands later, as a well marked depression moved northeastwards past our northern coast towards 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.

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, 25th September, 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 ...	29.34	48	SW	0	r	29.33	+.03	51	49	+3	S	2	o	≡	r	*	52	48	0.12
	Hernösand ...	29.39	48	SW	0	b	29.32	+.01	52	48	+7	S	4	b	≡	b	*	55	36	-
	Stockholm ...	29.60	54	SW	0	b	29.60	+.17	59	55	+10	SW	6	bc	≡	b	*	63	48	0.12
	Wisby	29.75	59	W	8	0	29.80	+.23	58	56	+6	SW	8	o	≡	o	*	59	48	-
	Karlstad ...	29.54	56	SSW	4	r	29.61	+.28	56	50	0	SW	8	b	≡	r	*	*	*	-
	Bodö	29.14	48	SW	6	0	29.16	+.04	46	44	0	S	2	o	1	o	*	48	41	0.20
	Christiansund ...	29.27	51	NSW	3	bc	29.27	+.24	49	46	-4	NSW	4	o	4	bc	*	55	48	0.12
	Skudesnaes ...	29.44	56	SW	8	0	29.69	+.25	54	49	+3	W	8	c	5	o	*	57	45	*
	Færder (Christiania Fjord)	29.50	57	SW	6	0	29.62	+.26	55	51	+3	W	8	m	4	o	*	61	55	0.04
	Skagen (The Scaw)	29.62	58	NSW	5	0	29.78	+.29	56	51	-2	WNW	6	b	2	o	≡	61	54	0.08
	Fanö	29.80	60	NSW	6	0	29.84	+.25	56	53	-3	NSW	4	c	*	o	*	61	55	-
British Islands.	Sumburgh Head	29.26	50	SW	3	bc	29.56	+.38	49	45	-3	W	6	c	6	c.bc	*	55	44	0.25
	Stornoway ...	29.31	48	NSW	5	o	29.64	+.38	47	47	-1	W	4	rl	4	c.r.o	5.2	54	41	0.22
	Wick	29.37	52	W	3	bc	29.71	+.41	51	50	0	WNW	4	c	2	bc	*	59	43	-
	Nairn	29.40	48	NSW	5	o	29.74	+.42	50	47	-4	NSW	4	bc	2	o	*	58	44	0.06
	Aberdeen ...	29.47	52	SW	2	b	29.82	+.43	52	46	0	SW	2	bw	1	r.c.b	2.6	59	41	-
	Leith	29.55	52	W	3	b	29.90	+.47	52	48	-5	NSW	3	b	*	b	*	59	46	0.07
	Shields	29.64	54	SW	3	bc	30.00	+.47	52	48	-9	SW	3	cm	2	o.r.bc	*	64	48	0.18
	Spurn Head ...	29.73	59	SW	5	o	30.11	+.41	54	50	-7	SW	4	b	3	c.o.r	*	66	49	0.05
	York	29.69	61	SSW	3	p	30.09	+.44	50	47	-12	SSW	1	b	*	c.p.q	3.5	67	44	0.10
	Loughborough ...	29.80	58	NSW	5	r	30.16	+.38	49	47	-10	SW	2	bw	*	c.q.o.r.b	*	67	45	0.28
	Ardrossan ...	29.57	55	NSW	2	o	29.91	+.50	53	52	-3	SW	4	c	4	o	*	57	51	-
	Malin Head ...	29.54	53	W	7	chp	29.81	+.37	52	49	0	SSW	6	bc	5	b.chq	*	55	48	0.11
	Belmullet ...	29.76	54	W	4	op	29.87	+.32	56	53	+4	NSW	4	c	*	c.op	*	57	48	0.04
	Donaghadee ...	29.68	52	W	3	b	29.99	+.48	50	48	-5	NSW	3	b	1	pb	*	58	44	0.03
	Liverpool (Bidston)	29.75	50	NSW	4	o	30.10	+.44	53	48	-7	SSW	3	b	3	bc.op	*	63	46	0.06
	Holyhead ...	29.77	58	SW	3	cp	30.09	+.48	54	50	-4	SW	3	b	3	r.fq.cp	*	59	48	0.28
	Parsonstown ...	29.78	53	W	2	b	30.02	+.44	50	47	-6	SE	1	b	*	c.a.b	3.8	59	43	0.03
	Valencia ...	29.87	56	NSW	5	bcm	30.03	+.37	56	53	+1	S	3	b	4	c.bcm	4.5	57	49	0.02
	Roche's Point ...	29.85	56	NNW	3	b	30.11	+.43	56	52	-3	NSW	3	b	3	r.b	*	60	48	0.15
	Pembroke (St. Ann's Hd.)	29.82	57	W	5	o	30.13	+.40	56	54	-3	NSW	4	b	4	o	0.0	59	54	0.21
	Scilly	29.88	58	SW	4	r	30.15	+.29	56	54	-4	SSE	1	c	4	c.mp.r	5.4	64	52	0.02
	Prawle Point ...	29.94	59	SW	6	o	30.19	+.25	57	55	-1	NSW	1	c	2	o.p	*	61	49	0.01
	Jersey (St. Aubin's)	30.06	64	SSW	5	o.q.r	30.22	+.16	60	59	+1	SSW	5	c	4	c.oq	*	66	58	0.01
	Hurst Castle ...	29.96	62	SW	6	c	30.18	+.23	57	53	-4	N	1	bcm	2	c	*	65	53	0.02
	Dungeness ...	29.97	61	SW	5	b	30.18	+.23	59	59	-1	NSW	2	op	3	o.b	*	64	59	0.01
	North Foreland	30.00	61	SSW	4	bc	30.19	+.24	59	54	-2	NW	1	c	1	c.bcq	*	66	56	0.02
	London (Brixton) ...	29.93	62	NSW	3	c	30.19	+.26	54	52	-6	W	1	bmw	*	bc.cp.bw	5.5	67	49	0.01
	Oxford	29.89	60	SW	4	o	30.19	+.32	51	50	-9	NSW	1	bw	*	cq.o.b	*	65	45	;
	Cambridge ...	29.87	63	SW	5	o	30.19	+.32	50	50	-12	SW	1	b	*	b.op	9.0	68	45	0.08
	Yarmouth ...	29.84	64	SW	5	c	30.16	+.33	54	52	-8	W	2	b	3	bcq.c	*	66	49	0.04
Germany & Holland.	Cuxhaven ...	29.91	61	SW	6	o	30.03	+.18	57	57	-1	SW	6	o	*	o	*	63	55	-
	Berlin	30.08	61	SW	3	bc	30.20	+.20	60	59	+3	NSW	3	c	*	bc	*	68	57	-
	Wiesbaden ...	*	*	*	*	*	30.28	+.14	57	56	+1	SW	1	c	*	*	*	68	53	-
	Munich	30.30	59	SSW	1	b	30.42	+.10	57	55	0	SW	1	b	*	b	*	68	50	-
	The Helder ...	29.90	60	SW	5	b	30.12	+.27	58	54	-3	W	3	b	2	b	*	63	57	-
Belgium. France &	Brussels ..	*	*	*	*	*	30.25	+.18	60	57	0	SW	3	b	*	o	*	67	56	-
	Cape Gris Nez ...	29.99	60	NSW	5	o	?	?	59	59	0	NSW	4	r	4	o	*	61	57	0.08
	Paris	30.15	61	SW	2	bc	30.29	+.14	55	55	-4	S	2	f	*	bc	*	71	752	-
	Brest	30.04	60	SSW	2	b	30.17	+.14	59	58	0	S	2	o	4	b	*	61	55	-
	Lorient	30.12	61	SW	3	bc	30.21	+.11	59	59	0	NSW	2	b	3	bc	*	66	48	-
	Rochefort ...	30.20	67	NW	2	bc	30.29	+.09	61	59	-1	ESE	2	o	*	c.bc	*	75	59	-
	Belfort	30.23	65	W	1	bc	30.36	+.14	59	57	+1	·2	0	m	*	bc	*	71	54	-
	Lyons	30.22	68	S	2	b	30.36	+.13	58	56	+1	SE	1	b	*	b	*	74	53	-
	Nice	30.34	63	E	0	b	30.35	+.06	64	57	+6	E	1	b	0	b	*	70	57	-
	Perpignan ...	30.25	66	E	1	o	30.32	+.07	64	64	+5	NE	2	o	*	o	*	76	59	-
	Biarritz ...	30.11	69	NSW	4	bc	30.18	+.06	64	63	+7	SE	2	o	3	bc	*	786	57	-
Peninsula.	Corunna ...																*			
	Lisbon	30.15	64	NNE	3	b	30.20	+.03	61	57	-1	NNE	3	b	*	b	*	82	57	-
	Azores (P. Delgada)	30.12	66	N	2	b	30.09	-.04	66	64	-3	N	3	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 0·0 hrs;

WEATHER CHARTS

FOR Saturday, 25th September, 1897.

BAROMETER, WIND AND SEA.

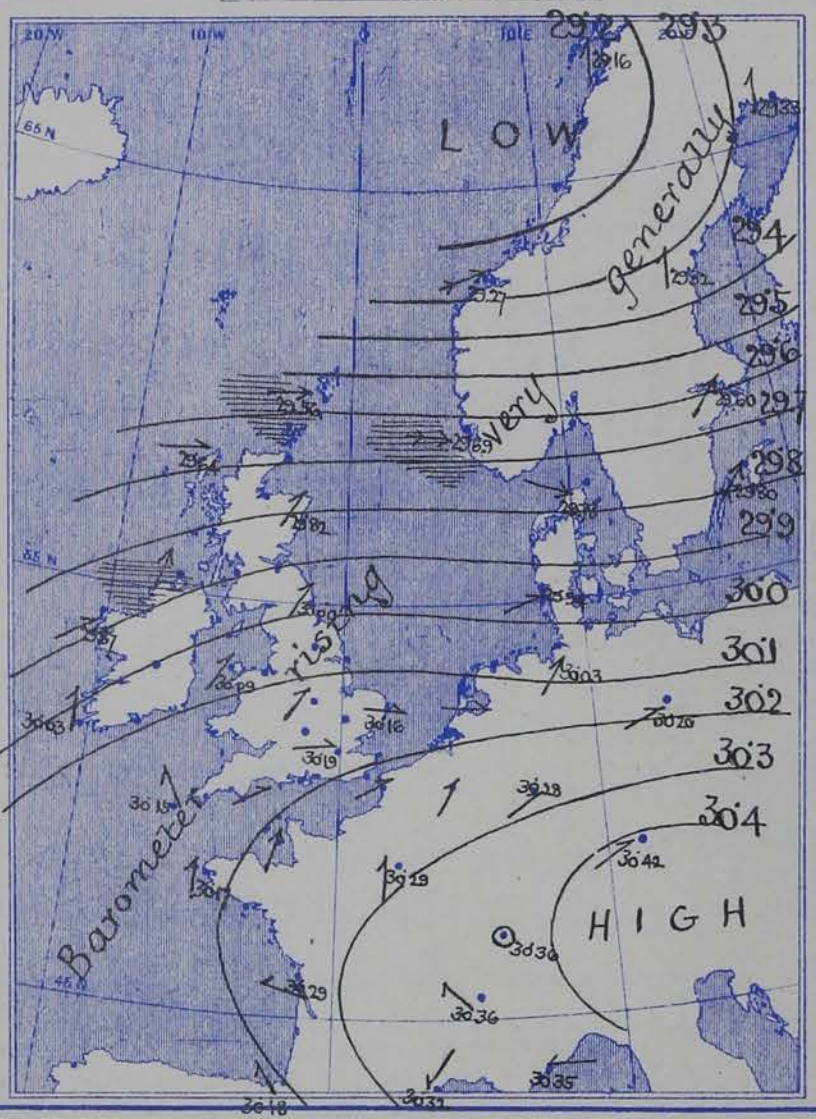
BAROMETER—Isobars are drawn for each tenth of an inch.

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

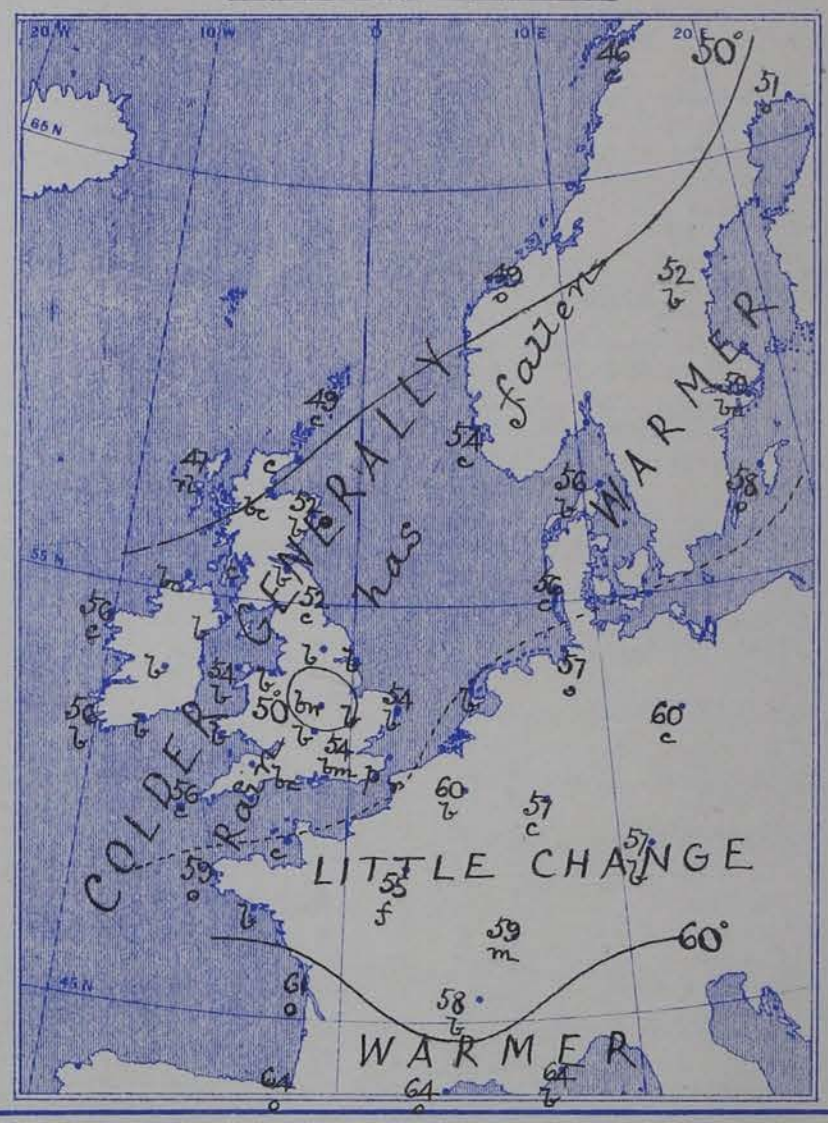


TEMPERATURE & WEATHER.

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 SEPTEMBER.

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 ins: and more over South Germany, and exceeding 30·1 ins over the whole of France, the south of our Islands, and the greater part of North Germany.
Lowest. Below 29·2 ins: off the northwest of Norway.
Gradients moderate in the north, slight elsewhere.
Barometer rising generally.

TEMPERATURE

Highest 64° along the south and southwest coasts of France, 57° to 50° over nearly the whole of our Islands and over Sweden.
Lowest, 46° at Bodö, 47° at Stornoway, 49° at Christiansund and Sumburgh Hd.
The maxima recorded yesterday ranged from 65° to 68° over the greater part of England. The night was rather cool.

WIND

(1) W. to S.W. over Scandinavia, and is still blowing a gale at most of the stations
(2) SW. to S. in our Islands – fresh at the northwestern stations, but light and anticyclonic in the southwest and south
(3) Very light and anticyclonic over France and Germany.

WEATHER

Still raining in the Hebrides, with lightning at Stornoway, but has cleared up over our Islands as a whole.
Showers have again fallen almost all over Scandinavia and our Islands, but were not heavy.
Bright Sunshine yesterday, was 9hrs at Cambridge, more than 5hrs at London, Scilly, and Stornoway, none at Pembroke or Southport.

SEA

Though still rough in the far north and northwest, but moderate to slight elsewhere, and going down generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general appearance is fine, dry, and quiet.

FORECASTS

For the 24 hours ending at NOON on 26th SEPT. **1897.**

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Wind backing S. as again, with rain at times, unsettled.
1	SCOTLAND EAST	SW. breezes, light; fine.
2	ENGLAND N.E.	
3	ENGLAND EAST	Varying airs, fine and warm, hazy.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Light SW. and S. winds; fair.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	S. winds, force doubtful at present; fair as a whole.
10	IRELAND SOUTH	
	WARNINGS	At 10·35 am today to districts 0, 1, 6, and parts of 9 and 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 ...	29.51	57	53	SW	4	0	4
Sumburgh Head	29.26	52	49	NNW	4	c	6
Stornoway	29.30	53	53	NNW	5	r	6
Aberdeen	29.41	58	51	SW	2	c	2
Shields	29.54	61	57	SW	3	0	2
Ardrossan	29.49	56	54	NNW	2	0	2
Malin Head ...	29.49	55	49	W	6	b	6
Belmullet	29.64	55	50	WNW	4	c	*
Holyhead	29.66	58	58	SW	6	rfq	5*
Valencia	29.71	57	52	NW	5	c	5
Scilly	29.87	62	60	SSW	6	cpm	4
Jersey	30.06	65	61	SW	5	c	4
Hurst Castle ...	29.96	65	60	SW	5	c	4
Dungeness ...	29.97	62	58	NNW	5	0	4
North Foreland	29.96	64	57	SSW	6	c	5
London (Westminster)	29.91	67	59	WSW	4	bc	*
Yarmouth ...	29.83	66	60	SW	6	bc q	4
Rochefort ...	30.21	70	68	S	2	c	*

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

Weather in morning fine and bright over all the southern countries of Europe, but still changeable and unsettled in the north and northwest, with rain in many places. Showers falling later in almost all parts of the British Islands and Scandinavia, but conditions remaining fine over Spain France and Germany.

Temperature rises except over Russia. Morning readings highest 73° at Algiers, 72° at Brindisi, 70° at Malta and Athens; 62° at Rochefort and 64° to 60° over the eastern and southern counties of England. Lowest 46° at Bodö, 48° at Haparanda, Moscow and Stornoway, 49° at Stockholm, 51° at Wick. Rising later to between 65° and 68° over the greater part of England, to 68° at Berlin, 71° at Paris and Belfast, 74° at Lyons and 76° at Perpignan.

Wind light and anticyclonic over the Mediterranean and the southern half of Continental Europe; W¹ to SW² (cyclonic) over the southern parts of Scandinavia, but E³ moderate at Bodö; SW¹ and W¹ over the British Islands, moderate to strong in force. Decreasing in force over our Islands later and becoming more W² in direction.

Barometer highest, 30·3 in. and more to 30·0 in. in a large, but rather complex anticyclone covering the Mediterranean and the southern half of Europe. Lowest 29·1 in. off the northwestern coast of Norway; shallow secondary disturbances prevailing over the British Islands. Rising over our Islands and the coast of Norway all day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 26th September, 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 ...	29.29	43	Z	0	b	29.50	+ .17	47	42	− 4	W	4	b	8	b	*	52	41	0.28
	Hernösand ...	29.66	48	S	2	b	29.81	+ .09	47	42	− 5	S	4	bc	*	b	*	60	43	—
	Stockholm ...	29.91	53	W	6	b	30.07	+ .07	53	50	− 6	SW	2	bc	*	b	*	63	52	—
	Wisby	30.07	55	WNW	8	b	30.21	+ .11	51	49	− 7	W	6	b	*	b	*	59	52	—
	Karlstad ...	29.97	53	SSW	4	b	30.03	+ .12	52	49	− 4	SSW	4	b	*	b	*	*	*	—
	Bodö	29.22	52	SW	7	r	29.47	+ .31	46	44	0	SE	4	o	2	r	*	52	43	0.35
	Christiansund ...	29.71	48	W	4	r	29.58	+ .31	49	48	0	WSW	4	r	5	r	*	50	46	0.51
	Skudesnaes ...	30.00	54	SW	8	bc	29.90	+ .21	56	53	+ 2	SSW	9	o	5	c,bc	*	56	48	*
	Færder (Christiania Fjord)	29.96	57	W	6	b	29.98	+ .36	56	53	+ 1	SW	6	o	4	b	*	59	54	—
	Skagen (The Scaw)	30.14	54	WNW	4	bc	30.10	+ .32	52	49	− 4	WSW	3	b	0	bc	*	59	46	—
	Fanö	30.22	53	W	4	b	30.15	+ .21	55	53	− 1	WSW	4	c	*	b	*	59	52	0.08
British Islands.	Sumburgh Head	29.64	52	SSW	4	o	29.50	− .06	52	51	+ 3	SSW	3	r	5	c,o	*	56	44	0.23
	Stornoway ...	29.56	53	WSW	7	r	29.51	− .13	51	51	+ 4	SW	3	o	4	p,o,r	3.6	56	46	0.70
	Wick	29.71	55	WNW	6	c	29.56	− .15	55	54	+ 4	SW	3	c	2	c	*	59	49	0.02
	Nairn	29.70	55	WSW	5	bc	29.56	− .18	55	52	+ 5	WSW	5	c	4	bc	*	60	46	0.02
	Aberdeen ...	29.85	55	S	5	cgq	29.70	− .12	55	50	+ 3	SSW	6	cgw	5	bcq,cg	6.7	59	51	—
	Leith	29.91	54	WSW	3	b	29.71	− .19	57	52	+ 5	WSW	3	r	*	b	*	63	50	—
	Shields	30.04	56	SW	3	b	29.91	− .09	54	50	+ 2	S	3	c	2	c,b	*	63	46	—
	Spurn Head ...	30.13	55	SSW	2	b	30.04	− .07	56	54	+ 2	SW	3	o	1	b	*	63	51	0.01
	York	30.11	57	S	2	b	30.02	− .07	53	50	+ 3	S	2	b	*	b	9.0	63	42	—
	Loughborough ...	30.16	56	WSW	1	c	30.08	− .08	56	55	+ 7	SW	1	cw	*	bc,q,c	*	64	48	0.05
	Ardrossan ...	29.89	56	SW	4	c	29.77	− .14	55	54	+ 2	SW	5	o	5	oc	*	56	52	—
	Malin Head ...	29.78	56	SSW	7	otw	29.70	− .11	55	53	+ 3	SSW	6	o	5	o,rw	*	58	51	0.24
	Belmullet ...	29.90	58	SW	6	o	29.83	− .04	56	52	0	W	4	o	*	o	*	59	52	0.06
	Donaghadee ...	29.97	56	SW	4	b	29.85	− .14	55	52	+ 5	WSW	6	b	4	b	*	61	48	—
	Liverpool (Bidston)	30.11	56	SW	2	b	30.01	− .09	54	51	+ 1	SE	1	o	1	b	*	61	47	—
	Holyhead ...	30.08	55	SW	4	bc	29.99	− .10	57	55	+ 3	SW	4	bcp	3	bc	*	60	52	0.01
	Parsonstown ...	30.00	56	SW	1	b	29.92	− .10	56	53	+ 6	SW	2	o	*	b	10.4	62	49	—
	Valencia ...	30.02	56	S	4	bc	30.01	− .02	58	56	+ 2	SW	5	ow	5	bc	9.0	60	53	—
	Roche's Point ...	30.09	57	SW	4	b	30.05	− .06	58	56	+ 2	WSW	4	bc	4	b,m	*	60	54	—
	Pembroke (St. Ann's Hd.)	30.14	56	SW	4	bc	30.08	− .05	56	56	0	W	4	op	4	bc	8.3	60	54	0.06
	Scilly	30.14	58	SSE	2	c	30.10	− .05	57	56	+ 1	WSW	3	m	3	c	3.7	63	54	0.03
	Prawle Point ...	30.18	55	SSW	2	o	30.15	− .04	57	56	0	SW	2	cm	2	o	*	60	48	0.02
	Jersey (St. Aubin's)	30.21	64	NE	1	bc	30.19	− .03	62	60	+ 2	SSW	2	c	2	b,bc	*	69	59	—
	Hurst Castle ...	30.18	60	SW	3	o	30.14	− .04	61	59	+ 4	SW	2	o	2	am,o	*	64	56	0.04
	Dungeness ...	30.22	60	SSW	3	bc	30.14	− .04	61	60	+ 2	SSW	1	o	1	o,bc	*	63	59	—
	North Foreland	30.21	60	S	2	c	30.15	− .04	61	60	+ 2	S	2	bc	1	bc,c	*	61	56	—
	London (Brixton) ...	30.18	61	SW	1	dfbg	30.14	− .05	60	59	+ 6	SSW	1	ow	*	bc,od	3.5	71	53	0.01
	Oxford	30.17	56	S	2	b	30.10	− .09	60	58	+ 9	SSW	3	c	*	b	*	64	50	—
	Cambridge ...	30.17	60	S	1	o	30.11	− .08	61	59	+ 11	SSW	2	ow	*	b,o	9.1	69	49	—
	Yarmouth ...	30.19	59	S	3	bc	30.11	− .05	60	58	+ 6	SSW	3	c	3	bc	*	62	52	—
Germany & Holland.	Cuxhaven ...	30.23	57	W	2	b	30.19	+ .06	57	57	0	S	3	c	*	b,r	*	61	46	0.04
	Berlin	30.31	61	W	2	c	30.31	+ .11	58	57	− 2	SSE	2	b	*	c	*	70	55	—
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich	30.43	60	Z	0	b	30.40	− .02	54	54	− 3	E	1	f	*	b	*	72	50	—
	The Helder ...	30.24	54	Z	0	b	30.15	+ .03	61	59	+ 3	S	1	c	1	b	*	61	54	—
Belgium.	Brussels ...	*	*	*	*	*	30.21	− .04	62	60	+ 2	S	1	b	*	b	*	68	54	—
	Cape Gris Nez ...	30.19	58	SW	2	bc	30.12	?	60	58	+ 1	S	1	o	1	bc	*	61	55	0.08
	Paris	30.17	63	Z	0	b	30.23	− .06	58	56	+ 1	W	1	b	*	b	*	72	51	—
	Brest	30.22	60	S	2	bc	30.16	− .01	59	58	0	SW	1	c	2	bc	*	63	54	—
	Lorient ...	30.21	61	SW	1	o	30.18	− .03	58	58	− 1	Z	o	bc	3.5	o	*	68	55	—
France &	Rochefort ...	30.23	68	SE	1	bc	30.20	− .09	60	59	− 1	S	3	b	*	bc	*	73	59	—
	Belfort	30.30	65	Z	0	m	30.32	− .04	54	54	− 5	Z	o	f	*	m	*	73	50	—
	Lyons ...	30.31	67	SSE	1	b	30.32	− .04	58	57	0	SSW	1	c	*	b	*	76	56	—
	Nice	30.34	62	SW	2	b	30.30	− .05	61	59	− 3	ENE	4	b	1	b	*	73	57	—
	Perpignan ...	30.30	66	E	2	o	30.28	− .04	62	62	− 2	E	2	f	*	a	*	69	59	—
	Biarritz ...	30.11	76	E	4	b	30.16	− .02	67	65	+ 3	W	3	o	2	b	*	81	64	—
Peninsula.	Corunna ...																*			
	Lisbon	30.04	63	NNW	4	b	30.28	+ .08	61	58	0	NE	3	bc	*	b	*	72	57	—
	Azores (P. Delgada)	30.08	70	SSE	4	bc	30.04	− .05	70	66	+ 4	SSW	4	c	4	bc	*	75	64	0.08

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

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

Bright Sunshine yesterday Southport 10.5 hrs;

WEATHER CHARTS

FOR SUNDAY, 26th SEPT.r 1897.

BAROMETER, WIND AND SEA.

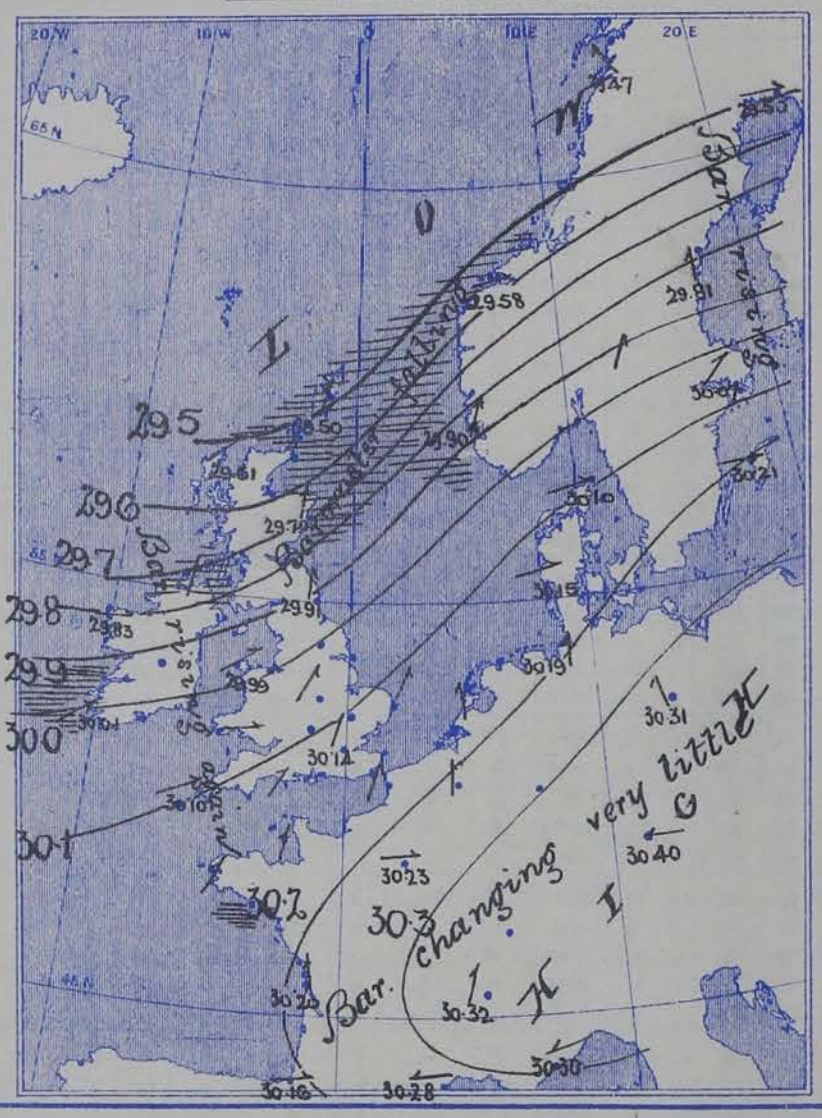
BAROMETER—Isobars are drawn for each tenth of an inch.

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

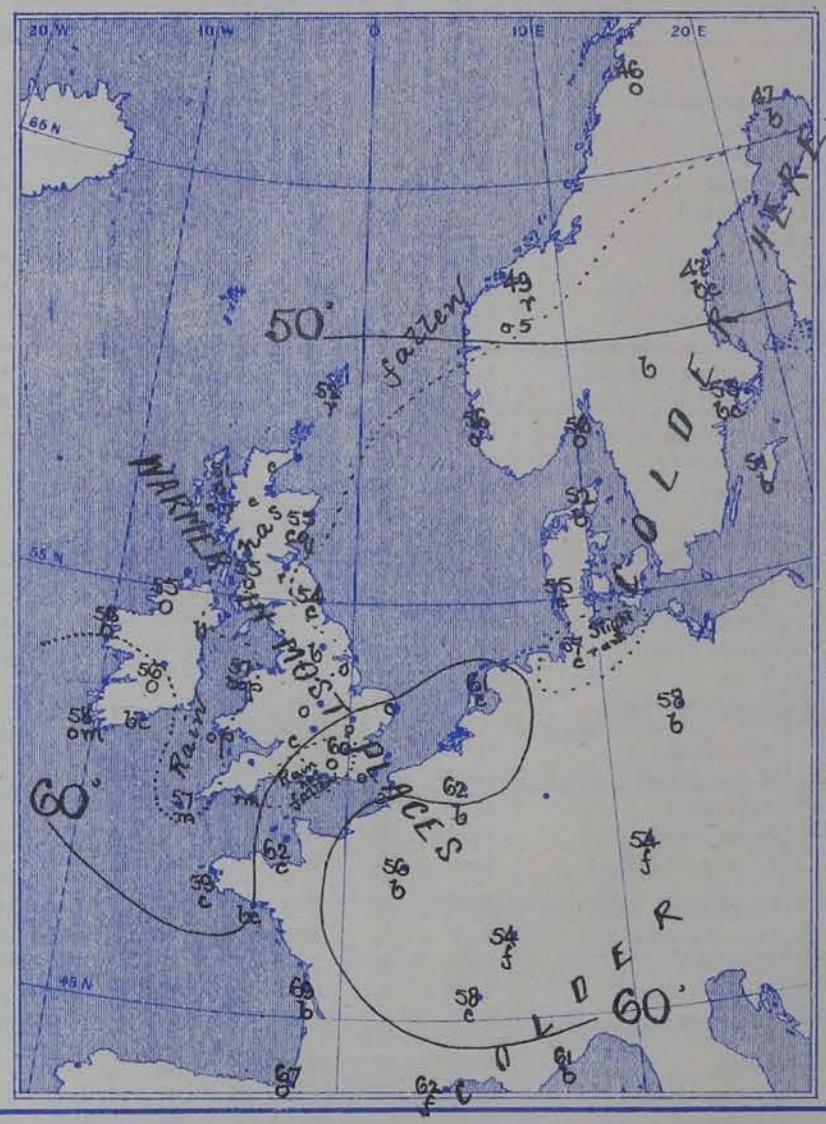


TEMPERATURE & WEATHER.

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 SEPTEMBER.*

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 in: at Munich: and exceeding 30·1 in: over the whole of Germany, France, and the southern parts of England and the North Sea.
Lowest, 29·5 in: and less over the Hebrides and extreme northwest of Scandinavia.
Gradients somewhat steep over the northern parts of our Islands, Norway, and Sweden, slight in the south and over France and Germany.
Barometer still falling in the north, steady in the southeast, rising a little in the extreme west.

TEMPERATURE

Highest, 69° at Rochefort, 67° at Biarritz, 62° at Brussels, 61° at Cambridge and the Helder, 60° in London, 58° at Berlin.
Lowest, 46° to 47° over the northern parts of Scandinavia, 52° at Lerwick, 53° at Yarmouth, as well as at Westerdeen and Belfort.
The highest of the maxima recorded over Ireland and England yesterday ranged between 64° and 71°; Berlin reported 70°, Paris 72, Nice 73° and Biarritz 81°.

WIND

Very light over the greater part of England from between S. and SW.
Fresh to strong from SW. on the Irish and Scotch coasts, strong to a gale from SW. in the south of Norway, moderate from SE. at Bodö.
A gale from SW. was felt on our extreme northwest coasts last night.

WEATHER

Dull and very muggy over England, dull and rather showery in the north and west, squally and threatening at Aberdeen. Over Germany and France it is fine, but foggy in several places.
Heavy rain has fallen at Stornoway, considerable quantities in the northwest of Norway, showers in several parts of Great Britain and Ireland and at Cape Gris Nez.
Bright Sunshine varied from about 10½ hrs at Buxton to about 3½ hrs at Stornoway and in London.

SEA

Rather rough in the extreme north and west, moderate in St George's Channel, slight to very smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 27TH SEPT: **1897.**

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH	NONE ISSUED	▼ 6 SCOTLAND WEST	NONE ISSUED.
▼ 1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		▼ 9 IRELAND NORTH	
4 MIDLAND COUNTIES		▼ 10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	At 4·50 pm yesterday to districts 0.1.6. and 9 and at 7·10 pm to district 10. "Hoist South Cone"

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·92	55	50	WSW	8	c	5
Sumburgh Head	29·79	53	50	SSW	4	c	5
Stornoway	29·64	54	54	SW	5	o	6
Aberdeen	29·88	58	50	SW	5	bcq	3
Shields	30·06	60	51	SW	4	c	2
Ardrossan	29·92	56	53	SW	4	o	4
Malin Head ...	29·87	57	53	SSW	6	o	5
Belmullet	29·87	59	54	WSW	6	o	*
Holyhead	30·11	59	54	SW	4	bc	3
Valencia	30·04	60	55	S	4	bc	5
Scilly	30·16	62	58	SSE	2	c	3
Jersey	30·23	68	63	SSW	4	b	3
Hurst Castle ...	30·20	60	59	ENE	1	dm	2
Dungeness ...	30·22	61	59	W	1	o	1
North Foreland	30·23	60	58	NW	2	bc	1
London (Westminster)	30·20	66	59	SW	1	c	*
Yarmouth ...	30·19	60	55	SSE	4	b	3
Rochefort ...	30·28	70	68	S	2	o	*

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

Weather in morning fine and bright over the southern and most of the western countries of Europe, as well as at the Swedish stations, cloudy and unsettled on the Norwegian coasts and in Hebrides, with rain and lightning at Stornoway. Rain falling later over Lapland, the northwest of Norway, and the northern and northwestern parts of our Islands as a whole – heavily at Stornoway and Bodo, and smaller quantities locally over the southwest and south of England and at Cape Finisterre. Weather continuing very fine over France and Germany as a whole.

Temperatures fallen several degrees over England and Ireland. Morning readings 77° at Algiers, 73° at Tunis, 72° at Malta; exceeding 60° at a few stations in the southern parts both of Europe and the British Islands, as well as in North Germany, 59° at Stockholm and Swinemunde 58° at the Helder. Lowest 46° at Moscow and Haparanda, 47° at Ekkaborg and Stornoway, 49° at Lerwick and Leuchars. Rising later to between 64° and 69° in many parts of England, touching 71° in London. 72° at Paris. 76° at Lyons, and 81° at Biarritz.

Wind calm or nearly so over the central and southern parts of Europe; SW to W over the northern and northwestern countries, and blowing a gale over the greater part of Scandinavia, a moderate breeze on our northern and western coasts, and a light breeze over England. A fresh S breeze reported locally at Havre and Jersey. Blowing a moderate gale in several parts of our northwestern coasts later, but gale over Scandinavia moderating.

Barometer in morning highest 30·42 ins: at Munich and exceeding 30·0 ins: all over the southern half of Europe, including the greater part of England and the southeast of Ireland. Lowest 29·2 ins: and less, in a depression off the northwest of Norway. Gradients moderate to steep over the British Islands, Norway, and Sweden. New depression Visiting the extreme northwest of Scotland later, that off the northwest of Norway, disappearing.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Monday, 27th September, 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 ...	29.56	48	SW	0	b	29.47	-.03	50	48	+3	SW	0	O	#	b	#	52	41	-
	Hernösand ...	29.66	51	SW	0	0	29.47	-.34	47	46	0	W	2	r	#	0	#	61	43	-
	Stockholm ...	29.91	50	SW	2	bc	29.65	-.42	53	50	0	WSW	4	c	#	bc	#	59	46	-
	Wisby	30.01	54	SSW	6	b	29.83	-.38	55	53	+4	W	8	bc	#	b	#	57	48	0.04
	Karlstad ...	29.80	54	SSW	6	b	29.73	-.30	51	46	-1	W	6	b	#	b.r	#	#	#	-
	Bodö	29.53	47	SW	0	0	29.39	-.08	47	45	+1	E	2	O	1	0	#	50	43	0.55
	Christiansund ...	29.46	52	WSW	2	r	29.67	+.09	47	44	-2	WNW	8	r	5	r	#	55	46	0.28
	Skudesnaes ...	29.72	52	W	8	0	29.96	+.06	52	50	-4	WNW	7	c	5	0	#	57	43	#
	Færder (Christiania Fjord)	29.78	?	WSW	6	bc	29.83	-.15	53	47	-3	W	6	b	4	bc	#	57	53	-
	Skagen (The Scaw)	29.89	53	WSW	8	bc	29.93	-.17	54	48	+2	NW	6	b	2	bc	#	59	50	-
	Fanö	30.04	57	WSW	4	b	30.10	-.05	55	51	0	W	5	c	#	b	#	61	55	-
	Sumburgh Head	29.57	50	W	4	c	29.90	+.40	50	48	-2	W	2	b	4	c	#	55	46	0.10
	Stornoway ...	29.74	51	WNW	4	bq	30.02	+.51	48	48	-3	W	3	O	4	q.r.b	6.6	53	44	0.20
	Wick	29.82	55	NW	4	bc	30.05	+.49	52	51	-3	NW	4	c	2	bc	#	59	42	0.44
	Nairn	29.82	51	W	3	bc	30.08	+.52	52	50	-3	SW	1	b	1	bc	#	58	47	0.06
	Aberdeen ...	29.84	52	SW	3	bc	30.12	+.42	54	48	-1	SW	2	br	1	bc	4.0	60	39	-
British Isles.	Leith	29.87	56	WSW	4	bc	30.15	+.44	51	49	-6	WSW	1	cm	#	bc	#	63	46	-
	Shields	29.97	57	SW	3	c	30.21	+.30	51	49	-3	SW	2	m	2	cp,c	#	64	45	-
	Spurn Head ...	30.04	59	WSW	4	b	30.23	+.19	54	52	-2	W	2	bw	1	b,bw	#	65	51	-
	York	30.03	60	WSW	3	b	30.24	+.22	45	45	-8	SW	0	bmw	#	b	6.8	67	41	-
	Loughborough ...	30.12	59	W	2	b	30.27	+.19	49	48	-7	ESE	1	bmw	#	bcv,cf	#	70	46	-
	Ardrossan ...	29.94	54	WSW	3	cp	30.13	+.36	54	53	-1	SW	2	c	1	cp	#	58	51	0.03
	Malin Head ...	29.96	53	W	6	c	30.12	+.42	50	49	-5	S	3	cp	2	c	#	57	49	0.03
	Belmullet ...	30.06	55	WSW	3	c	30.12	+.29	54	52	-2	?W	2	b	#	bc,c	#	59	50	0.02
	Donaghadee ...	30.04	54	WSW	3	bc	30.19	+.34	52	50	-3	SW	3	bc	1	bc	#	63	44	0.06
	Liverpool (Bidston)	30.09	56	WSW	3	bc	30.23	+.22	56	50	+2	SW	1	b	1	bc	#	63	50	-
	Holyhead ...	30.09	58	SW	2	bc	30.22	+.23	53	52	-4	SE	1	cm	1	bc	#	62	49	-
	Parsonstown ...	30.09	56	W	1	b	30.17	+.25	50	50	-6	SE	1	b	#	p.b	6.6	61	42	-
	Valencia ...	30.13	58	SW	2	o	30.14	+.13	56	55	-2	S	2	c	3	e,o	4.9	63	52	0.01
	Roche's Point ..	30.15	59	WSW	3	b	30.21	+.16	57	55	-1	SW	3	c	3	b,m	#	64	54	0.02
	Pembroke (St. Ann's Hd.)	30.16	58	W	4	b	30.23	+.15	58	55	+2	S	2	bc	3	b	7.5	59	55	-
	Scilly	30.20	59	W	1	b	30.22	+.12	57	55	0	ESE	2	cw	3	b	6.3	62	53	0.01
	Prawle Point ...	30.21	55	W	3	bc	30.27	+.12	58	55	+1	NNE	2	bc	2	bc	#	59	49	-
	Jersey (St. Aubin's)	30.23	63	WNW	3	oq	30.24	+.05	64	60	+2	NE	1	bcmw	1	c.oq	#	66	56	-
	Hurst Castle ...	30.18	61	WSW	3	om	30.28	+.14	50	49	-11	NE	1	f	2	om	#	65	54	-
	Dungeness ...	30.14	61	SW	3	c	30.27	+.13	55	54	-6	N	1	b	0	bc,cf	#	66	47	-
	North Foreland	30.17	63	SW	2	c	30.28	+.13	57	55	-4	W	1	b	1	c	#	70	49	0.01
	London (Brixton) ...	30.14	66	WSW	1	bc	30.29	+.15	49	48	-11	S	1	wf	#	c,bc,bw	2.5	68	45	-
	Oxford	30.20	54	SW	1	b	30.29	+.19	52	52	-8	SW	1	ofw	#	c,b	#	68	47	-
	Cambridge ...	30.12	63	SW	3	b	30.29	+.18	49	49	-12	SW	1	bw	#	b	6.1	70	44	-
	Yarmouth ...	30.09	65	WSW	2	b	30.25	+.14	53	51	-7	WNW	2	bw	2	b	#	67	48	-
Germany & Holland.	Cuxhaven ...	30.09	61	SW	1	b	30.15	-.04	56	55	-1	W	2	b	#	b	#	68	55	-
	Berlin	30.21	62	SSW	3	b	30.19	-.12	62	59	+4	W	3	c	#	b	#	72	55	-
	Wiesbaden ...	*	*	*	*	*	30.21		54	54		N	0	f	#	#	#	70	52	-
	Munich... ..	30.34	59	N	0	b	30.33	-.07	57	56	+3	SW	2	c	#	b	#	72	52	-
	The Helder ...	30.10	60	SW	2	b	30.23	+.08	58	55	-3	WNW	1	b	1	b	#	64	57	-
Belgium.	Brussels ...	*	*	*	*	*	30.27	+.06	58	58	-4	N	0	f	#	b	#	76	55	-
	Cape Gris Nez...	30.14	59	WSW	2	o	30.22	+.10	55	54	-5	NE	1	m	1	o	#	63	55	-
	Paris	30.19	68	S	1	bc	30.25	+.02	59	57	+3	N	2	m	#	bc	#	78	56	-
	Brest	30.21	63	NW	1	bc	30.21	+.05	57	57	-2	SE	2	c	2	bc	#	68	55	-
	Lorient... ...	30.23	62	W	2	bc	30.23	+.05	57	56	-1	ENE	2	b	2	bc	#	68	55	-
France &	Rochefort ...	30.24	64	NW	2	m	30.25	+.05	64	61	+4	NW	2	c	#	o,m	#	68	60	-
	Belfort	30.26	65	E	1	b	30.28	-.04	56	55	+2	W	0	m	#	b	#	76	53	-
	Lyons	30.22	66	SE	1	b	30.25	-.07	59	59	+1	N	1	b	#	b	#	76	54	-
	Nice	30.25	64	W	0	b	30.17	-.13	64	58	+3	E	1	bc	0	b	#	73	61	-
	Perpignan ...	30.28	63	NE	1	o	30.22	-.06	59	59	-3	SW	1	b	#	o	#	73	56	-
	Biarritz ...	30.21	66	NW	3	f	30.15	-.01	62	61	-5	E	3	b	2	f	#	73	61	-
Peninsula.	Corunna ...																#			
	Lisbon	30.17	73	NE	4	b	30.16	-.12	68	59	+7	ENE	3	O	#	b	#	79	61	-
	Azores (P. Delgada)	29.98	70	SW	4	c	29.92	-.12	71	68	+1	W	4	c	5	c	#	73	68	008

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

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

Bright Sunshine yesterday Southport 6.8 hrs;

WEATHER CHARTS

FOR Monday, 27th September, 1897.

BAROMETER, WIND AND SEA.

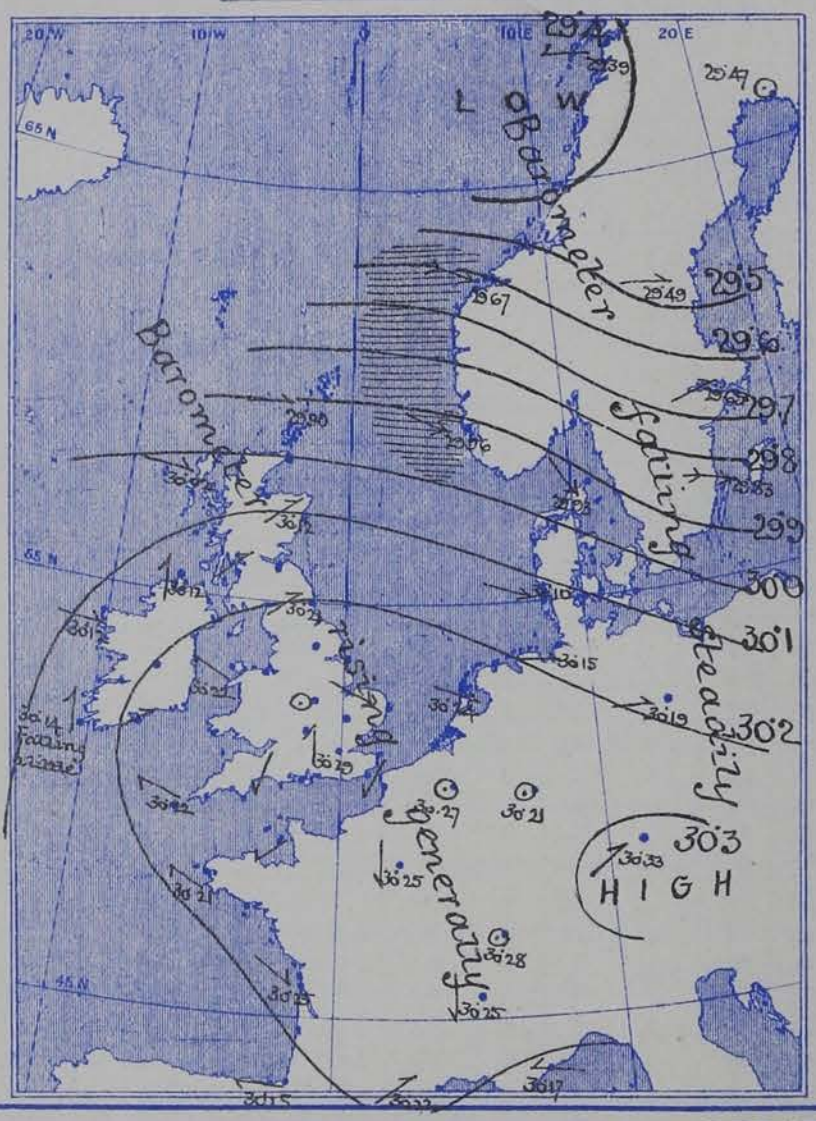
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

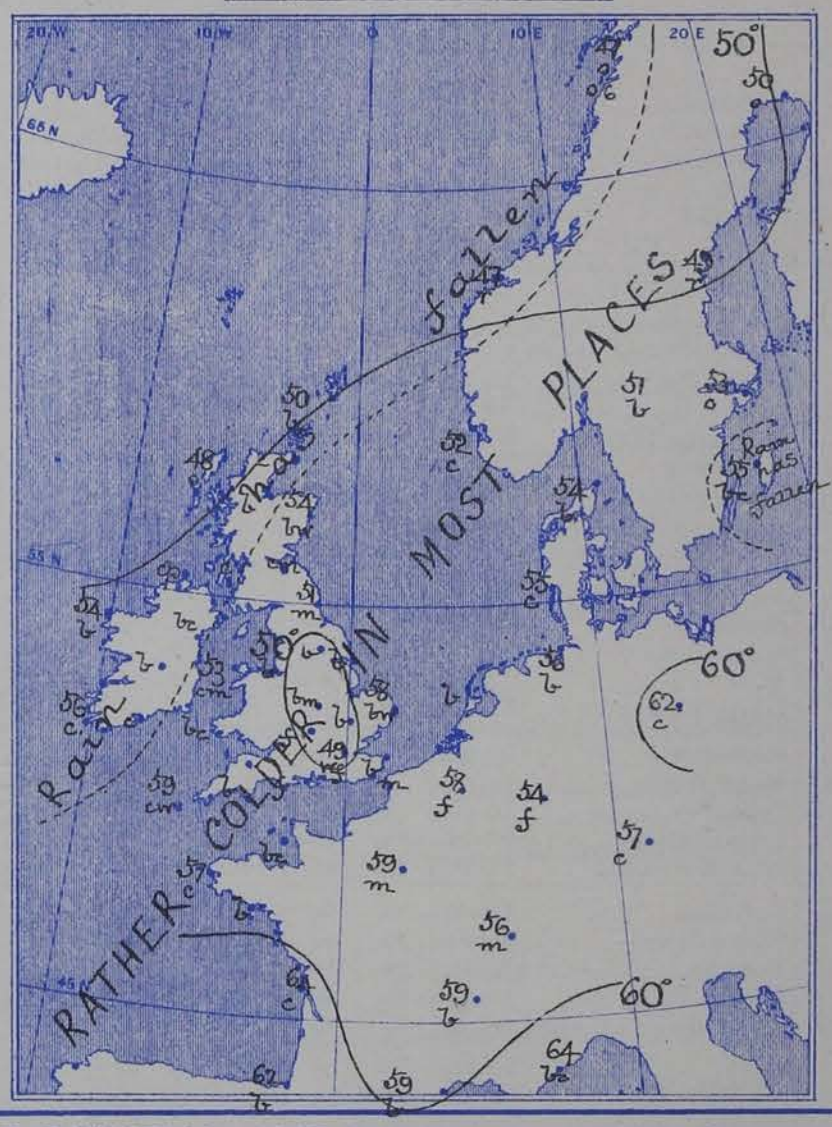


TEMPERATURE & WEATHER.

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 SEPTEMBER.*

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89. 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* 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, 30·33 in: at Munich, and exceeding 30·1 in: all over Germany, France, and by far the greater part of our Islands.
Lowest, 29·4 in: and less to 29·5 in: over the northern parts of Scandinavia.
Gradients almost nil over France and England, slight over Ireland and Scotland, steep over the northwest of Norway.
Barometer rising over our Islands except in the extreme west, where a slight fall has occurred during the night.

TEMPERATURE

Highest, 64° at Nice and Rochefort, 62° at Berlin, 59° at Paris.
Lowest, 47° to 50° over the northern parts of Scandinavia, 45° at York, 49° at Loughborough and in London.
The highest of the maxima recorded over our Islands yesterday were 60° to 63° in Scotland, 59° to 64° over Ireland, and 63° to 70° over England. At Berlin the maximum was 72°, at Paris 78°, at Nice 73°.

WIND

(1) Light from the S.W. in Ireland, and from the W. in Scotland. Variable airs and calms prevail over England, France & Germany.
(2) W. over the greater part of Scandinavia — strong in force in most places, and blowing a gale at Christiansund and Visby.

WEATHER

Fair over Germany, France and England, but foggy or hazy in many places, fine over Ireland and Scotland, dull and raining over many parts of Scandinavia.
Rain has fallen over the northern parts of our area, and a few showers locally in the west and southwest.
Bright Sunshine recorded yesterday was considerable in most places — 7·5 hrs at Lerwick, more than 6 hrs in many places, but only 2·5 hrs in London

SEA

Rather rough in the far north, slight to very smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Some freshening of the wind from S. is probable in the extreme west and northwest, but light winds and fine, hazy weather are likely to continue over England.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Wind backing to S.W. again & freshening, with some rain.
1	SCOTLAND EAST	S.W. breezes, light to moderate; fine.
2	ENGLAND N.E.	
3	ENGLAND EAST	Varying airs; fine, but very hazy at first.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No 0
7	ENGLAND N.W.	S.W. breezes, light to moderate; fine.
8	ENGLAND S.W.	SE. and S. airs; fine.
9	IRELAND NORTH	S. winds, moderate to fresh; fine in east, showery in west.
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 ...	29.82	57	54	S	8	o	5
Sumburgh Head							
Stornoway	29.62	51	51	W	5	bcp	4
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.87	55	50	W	6	c	5
Belmullet	30.00	58	53	W	4	bc	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30.22	64	60	NNW	3	c	3
Hurst Castle ...							
Dungeness ...	30.14	64	62	SW	3	bc	2
North Foreland	30.14	70	63	SSW	2	c	2
London (Westminster)	-	-	-	-	-	-	*
Yarmouth ...							
Rochefort ...	30.23	68	66	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 19TH TO THE 25TH SEPT: 1897.

This week commenced with the barometer high over the Atlantic on the one hand and over northern Europe on the other, the two regions being separated by a complex low pressure system covering Scandinavia, Norway, and the northwest of Germany, in which the barometer was as low as 29.4ins: and less to 29.5ins: This complex system gave way to another, which advancing from the northwestward had reached Denmark by Tuesday morning, and then began to move northeastwards. The main features which accompanied these conditions were very cold and searching NW^{ly} breezes over the United Kingdom at the same time that SE^{ly} winds were felt over northern Europe generally; cold showers fell in most places, and on Sunday thunder and lightning occurred at Jersey.

After Tuesday a gradual but decided change occurred, the barometer rose over Spain, France, and Germany, and subsequently became highest in those regions; the high pressure area over Northern Europe gave away, and W^{ly} to SW^{ly} breezes began to spread over the Kingdom generally, temperature rose, and the maxima on Thursday and Friday ranged between 67° and 69°, the air became more soft and genial, and the NW^{ly} gales over our northern area died down.

The next depression which appeared (early on Thursday morning) moved northeastwards along the Norwegian coast, and while the weather remained fine over England as a whole showers fell freely in the north and west until the close of the week.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 28th September, 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 ...	29·53	44	Z	0	0	29·69	+·22	44	40	− 6	NNE	2	bc	*	0	*	50	43	—
	Hernösand ...	29·72	46	W	6	b	29·87	+·40	48	41	+ 1	NW	8	b	*	b	*	54	45	—
	Stockholm ...	29·89	50	W	2	b	30·04	+·39	46	41	− 7	W	4	b	*	b	*	57	46	—
	Wisby	30·01	53	NW	8	b	30·11	+·28	50	46	− 5	NNW	8	b	*	b	*	55	50	—
	Karlstad ...	29·97	49	WSW	2	b	30·12	+·39	44	40	− 7	W	2	b	*	b	*	*	*	—
	Bodö	29·53	50	NE	2	0	29·80	+·41	48	45	+ 1	NW	4	r	2	0	*	50	45	0·39
	Christiansund ...	29·95	45	WNW	4	r	30·08	+·41	45	43	− 2	WNW	4	r	6	r	*	54	45	0·20
	Skudesnaes ...	30·14	51	NW	5	c	30·26	+·30	47	46	− 5	NNW	2	bc	2	c	*	54	45	*
	Færder (Christiania Fjord)	30·03	55	W	3	b	30·16	+·33	51	45	− 2	W	4	b	3	b	*	59	50	—
	Skagen (The Scaw)	30·12	54	NW	4	b	30·20	+·27	53	47	− 1	NW	2	b	0	b	*	57	50	—
	Fanö	30·26	51	WNW	3	b	30·28	+·18	48	47	− 7	Z	0	b	*	b	*	59	48	—
British Isl.	Sumburgh Head	30·09	49	W	2	bc	30·06	+·16	51	50	+ 1	SE	1	0	4	bc	*	55	45	0·02
	Stornoway ...	30·07	54	SW	3	bc	29·92	−·10	53	53	+ 5	SSE	3	0	4	0.bc	2·3	56	46	—
	Wick	30·15	57	NW	1	bc	30·02	−·03	54	52	+ 2	S	1	b	1	bc	*	61	46	—
	Nairn	30·13	55	Z	0	c	30·00	−·08	56	54	+ 4	Z	0	b	1	c	*	59	42	—
	Aberdeen ...	30·18	52	S	2	bc	30·08	−·04	53	51	− 1	S	2	cvr	1	bc	7.9	61	50	—
	Leith	30·17	56	W	1	0	30·05	−·10	55	52	+ 4	SSE	1	cm	*	0	*	64	48	—
	Shields	30·22	54	Z	0	cm	30·14	−·07	52	51	+ 1	SSW	3	cm	2	bc.cm	*	62	49	—
	Spurn Head ...	30·23	55	ESE	3	c	30·16	−·07	57	55	+ 3	SE	3	cr	3	0.w	*	62	51	—
	York	30·21	57	E	1	0	30·17	−·07	48	48	+ 3	SSE	1	f	*	b.0	5·5	64	43	—
	Loughborough ...	30·24	56	SE	1	bc	30·15	−·12	50	50	+ 1	ESE	1	cmr	*	bc.cm.f	*	69	44	—
	Ardrossan ...	30·13	57	SW	2	0	30·00	−·13	56	54	+ 2	E	2	0	2	0	*	60	51	—
	Malin Head ...	30·07	58	S	3	bc	29·85	−·27	56	54	+ 6	SSE	5	c	2	bc	*	62	50	—
	Belmullet ...	30·02	60	WSW	2	c	29·85	−·27	57	56	+ 3	SW	5	cr	*	c	*	65	54	0·21
	Donaghadee ...	30·17	55	SSW	3	b	30·01	−·18	57	52	+ 5	SSW	4	b	2	b	*	59	52	—
	Liverpool (Bidston)	30·20	59	SE	1	b	30·08	−·15	52	50	− 4	SE	2	0	*	b	*	63	50	—
	Holyhead ...	30·20	56	Z	0	b	30·05	−·17	57	56	+ 4	S	2	cm	1	b	*	62	50	—
	Parsonstown ...	30·11	57	SE	1	c	29·94	−·23	58	56	+ 8	SE	2	0	*	b.c	6·0	64	49	—
	Valencia ...	30·02	58	SSE	4	ogrm	29·91	−·23	58	57	+ 2	SSE	4	rmg	4	og.rg	2·5	61	55	0·17
	Roche's Point ..	30·12	58	S	4	0	30·00	−·21	58	57	+ 1	S	5	cm	4	0	*	60	55	0·01
	Pembroke (St. Ann's Hd.)	30·19	58	S	1	0	30·06	−·17	58	57	0	SSE	3	0	3	b.0	7·6	61	56	—
	Scilly	30·13	58	SE	3	cm	30·02	−·20	59	58	+ 2	SE	2	cvr	2	m.cm	2·0	61	55	—
	Prawle Point ...	30·20	58	ENE	3	0	30·08	−·19	58	57	0	E	2	m	2	0.cm	*	60	55	—
	Jersey (St. Aubin's)	30·19	63	E	3	ogm	30·10	−·14	63	62	− 1	ENE	1	opm	1	omg	*	65	60	0·01
	Hurst Castle ...	30·21	60	ENE	1	bcm	30·10	−·18	60	59	+ 10	ENE	2	cm	1	c.bcm	*	65	50	0·02
	Dungeness ...	30·22	59	NE	2	b	30·11	−·16	58	57	+ 3	E	3	og	2	b	*	64	54	—
	North Foreland	30·27	58	NNE	2	bc	30·14	−·14	59	56	+ 2	E	3	0	3	bc	*	60	56	—
	London (Brixton) ...	30·24	59	SE	1	bm	30·13	−·16	58	56	+ 9	ENE	1	0	*	f.bc	0·0	64	47	—
	Oxford	30·25	54	Z	0	bc	30·12	−·17	56	55	+ 4	E	1	og	*	f.bc	*	66	50	—
	Cambridge ...	30·24	59	Z	0	0	30·16	−·13	53	53	+ 4	ESE	1	omw	*	b.0	10·1	70	47	—
	Yarmouth ...	30·25	59	ESE	3	b	30·18	−·07	58	56	+ 5	ESE	3	bw	3	b	*	60	50	—
Germany & Holland.	Cuxhaven ...	30·16	55	NW	1	b	30·28	+·13	49	49	− 7	S	1	b	*	b	*	64	46	—
	Berlin	30·26	59	NW	4	b	30·31	+·12	51	49	− 11	E	1	b	*	b	*	68	48	—
	Wiesbaden ...	*	*	*	*	*	30·21	·00	56	55	+ 2	Z	0	b	*	*	*	70	54	—
	Munich	30·29	60	E	3	b	30·24	−·09	53	53	− 4	Z	0	f	*	b	*	70	52	—
	The Helder ...	30·27	57	Z	0	b	30·22	−·01	55	52	− 3	ESE	1	b	1	b	*	63	54	—
Belgium.	Brussels ...	*	*	*	*	*	30·17	−·10	55	53	− 3	ENE	1	f	*	b	*	66	50	—
	Cape Gris Nez ...	30·20	57	E	2	bc	30·10	−·12	56	55	+ 1	ESE	2	m	2	bc	*	63	54	—
	Paris	30·20	63	SE	1	bc	30·13	−·12	57	57	− 2	Z	0	f	*	bc	*	69	57	—
	Brest	30·16	59	E	1	c	30·05	−·16	60	59	+ 3	SE	1	0	3	c	*	61	54	—
	Lorient	30·12	?	Z	0	bc	30·08	−·15	59	59	+ 2	Z	0	m	3	bc	*	70	55	—
France &	Rochefort ...	30·20	65	NW	2	c	30·14	−·11	61	59	− 3	E	2	bc	*	0.c	*	70	59	—
	Belfort	30·16	64	E	2	b	30·17	−·11	66	57	+ 10	Z	0	f	*	b	*	75	54	—
	Lyons	30·17	68	N	1	b	30·17	−·08	58	57	− 1	NNW	1	b	*	b	*	77	55	—
	Nice	30·13	67	Z	0	b	30·09	−·05	67	58	+ 3	Z	0	b	0	b	*	77	63	—
	Perpignan ...	30·14	65	Z	0	b	30·13	−·09	60	58	+ 1	W	1	b	*	b	*	77	56	—
	Biarritz ...	30·09	70	NNE	3	bc	30·02	−·13	64	64	+ 2	E	2	f	2	bc	*	81	62	—
Penin-sula.	Corunna ...																*			
	Lisbon	30·07	66	SSW	3	0	30·03	−·13	67	66	− 1	ESE	2	0	*	0	*	81	66	—
	Azores (P. Delgada)	30·04	68	NW	4	bc	30·10	+·18	64	62	− 7	NNE	5	c	4	bc	*	75	63	0·08

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

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

Bright Sunshine yesterday Southport 7·7 hrs;

WEATHER CHARTS

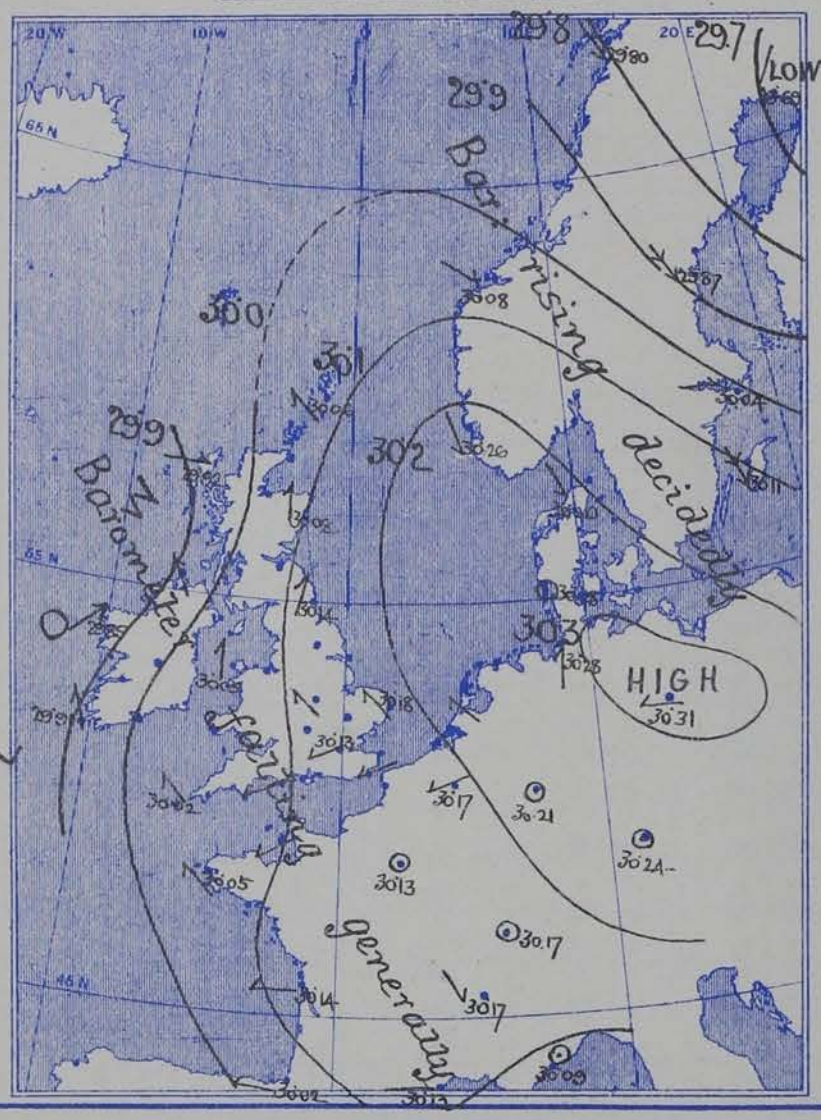
FOR Tuesday 28th September, 1897.

BAROMETER, WIND AND SEA.

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

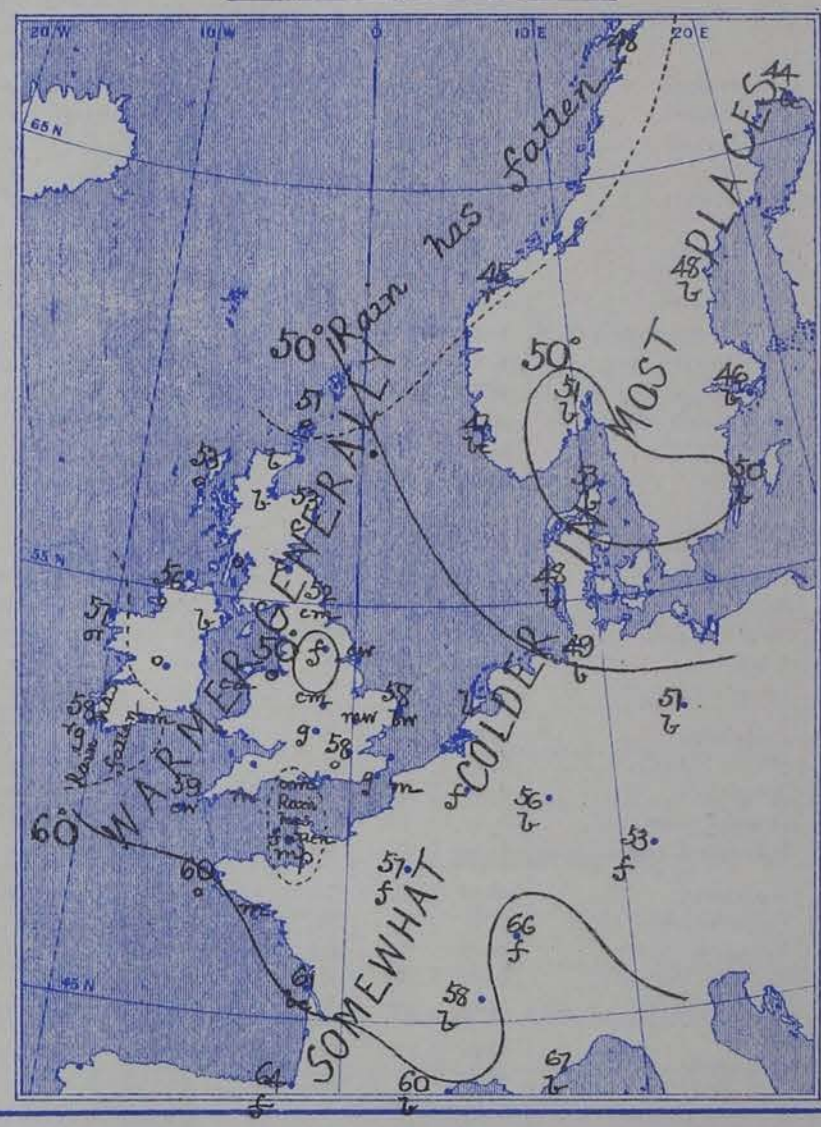
Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; } Calm ⊙
Force 8 to 10 ⟶ ; *Force 1 to 4* ⟶ ; }

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 SEPTEMBER.

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.3 ins. to 30.1 ins. in an anticyclone still lying over Germany, France, the North Sea and the E.rn parts of England.
Lowest (1) Below 29.9 ins. off the NW. coast of Ireland and (2) below 29.7 in. at Haparanda.
Gradients moderate, but irregular over our Islands, slight over Germany, France & the North Sea.
Barometer falling over our Islands, most in the west; rising over Scandinavia and the eastern shores of the North Sea.

TEMPERATURE

Highest 67° at Nice, 66° at Belfort, 60° at Brest and Hurst Castle, 58° at Valencia, London & Yarmouth
Lowest 44° at Haparanda, 48° to 45° along the W. coast of Norway, 48° at Faro and at York.
The thermometer did not rise above 65° yesterday over the greater part of England, but touched 70° at Cambridge. At Berlin the maximum was 68°, at Paris 69°, at Lyons, Nice and Perpignan 77°, and at Biarritz and Lisbon 81°.

WIND

E.ly and light over France and the greater part of England, SE.ly and light over our W.rn and N.rn counties, SSE.ly to S.ly, and fresh in Ireland. Almost calm over Germany and the NE. of France.

WEATHER

Fine over Germany, France, the North Sea, the E.rn half of Scotland and in Sweden; dull over Ireland, with rain in the W. and SW.; dull and rainy over the NW. of Norway. Bright Sunshine recorded yesterday varied greatly; more than 10 hrs. at several of our S.rn and E.rn stations, but none in London (owing to fog) 7.9 hrs. at Aberdeen, 7.7 hrs. at Southport, 7.6 hrs. at Pembroke.

SEA

Smooth in the English and Irish Channels.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is moving E.wds and SE.ly to SW.ly winds are likely to become more general in our Islands, with showery weather — especially in the W. and NW.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SE.ly breezes, light to fresh; rainy at times
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	E.ly and SE.ly winds; dull, close, changeable, rain at times
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	SE.ly and S.ly winds, light to moderate, occasional rain.
7	ENGLAND N.W.	
8	ENGLAND S.W.	SE.ly and S.ly winds; rainy, unsettled.
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·08	54	51	WNW	6	c	4	Valencia	30·07	60	58	SE	5	og	5
Sumburgh Head	30·04	53	50	W	3	bc	4	Scilly	30·17	57	56	ESE	3	m	3
Stornoway	30·07	55	55	WSW	3	o	4	Jersey	30·22	64	60	E	3	o	3
Aberdeen	30·16	61	53	S	2	bc	1	Hurst Castle ...	30·24	64	59	ENE	2	c	1
Shields	30·23	60	52	SW	2	bc	2	Dungeness ...	30·25	63	60	NE	1	b	1
Ardrossan	30·15	58	56	SW	2	c	1	North Foreland	30·28	60	59	NNW	1	b	1
Malin Head ...	30·10	60	54	SSW	3	b	2	London (Westminster)	30·26	62	57	L	0	bf	
Belmullet	30·07	65	59	WSW	1	c	*	Yarmouth ...	30·26	60	57	ESE	2	b	2 *
Holyhead	30·21	60	58	SSW	2	b	1	Rochefort ...	30·23	68	67	S	2	o	*

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

Weather in morning fine over all the S^rn. parts of Europe and the greater part of the British Islands, but foggy or hazy at many of the stations; dull and unsettled over N^rn. Europe, with rain at Christiansund, Hernösand, Helsingfors and Kuopio. Considerable rain later in the N.W. of Norway, and small quantities at Sumburgh Hd., and some of our W^rn. and SW^rn. stations. Remaining fine over France and England.

Temperature fallen considerably over the British Isles, as well as over Russia. morning readings, highest 72° at Barcelona and Algiers, 70° at Brindisi and Constantinople, 71° at Trieste, above 60° over the S^rn. parts of France, 64° at Jersey, 58° at Prawle Pt. and Pembroke, 62° at Berlin, 60° at Neufahrwasser. Lowest 44° at Harkov and Moscow, 45° at Archangel and Ulealborg, 47° in the N.W. of Norway, 48° at Stornoway; 45° to 49° over many of the inland parts of England. Rising later to between 60° and 65° over the greater part of our Islands, but touching 69° at Loughborough, 70° at Cambridge, 68° at Berlin, 69° at Paris, and 75 to 77° over the S^rn. parts of France.

Wind very light and anticyclonic over the W^rn. central and E^rn. countries of Europe, from the W^nd & S^th. strong and cyclonic over Scandinavia and the Baltic, but E^ly. and light over Lapland. No decided change later beyond a decrease in the strength of the W^ly. wind over the N^rn. countries.

Barometer highest 30.3 ins. and more to 30.0 ins. in a large but rather complex anticyclonic system covering all the countries lying to the S^wd. of the North German coast, and stretching NW^wd. over the British Islands. Lowest 29.4 ins: and less to 29.5 ins. and a little more in a very complex low pressure system stretching E^wly. from the N^rn. part of the Atlantic across Lapland, the N^rn. parts of Scandinavia and Finland to the Kola peninsula and the White Sea. Gradients rather steep over the N^rn. countries. Falling somewhat during the day over Spain France and England; rising all over N^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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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 29th September, 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	43	N	2	c	29.97	+.28	42	41	− 2	N	4	c	*	c	*	48	41	-
	Hernösand ...	30.00	46	NW	4	b	30.10	+.23	45	40	− 3	N	6	b	*	b	*	55	43	-
	Stockholm ...	30.10	48	W	2	b	30.15	+.11	41	39	− 5	W	2	b	*	b	*	57	41	-
	Wisby	30.15	53	NW	4	b	30.14	+.03	49	44	− 1	NNW	4	b	*	b	*	54	46	-
	Karlstad ...	30.15	45	NW	2	b	30.21	+.09	39	37	− 5	N	2	b	*	b	*	*	*	-
	Bodö	30.16	44	SW	4	0	30.13	+.33	43	41	− 5	Z	0	bc	0	0	*	48	44	0.08
	Christiansund ...	30.14	44	NNW	3	0	30.19	+.11	42	39	− 3	ESE	2	b	3	0	*	48	41	0.12
	Skudesnaes ...	30.17	51	Z	0	c	30.14	−.12	48	46	+ 1	E	4	bc	2	c	*	57	46	*
	Færder (Christiania Fjord)	30.15	54	SW	1	b	30.19	+.03	49	44	− 2	NNE	2	b	1	b	*	57	48	-
	Skagen (The Scaw)	30.18	49	NNW	1	bc	30.15	−.05	48	47	− 5	SW	1	bc	0	bc	*	57	43	-
	Fanö	30.19	51	E	1	c	30.12	−.16	49	48	+ 1	E	3	c	*	c	*	61	46	-
British Islands.	Sumburgh Head	29.95	52	SE	2	m	29.85	−.21	53	52	+ 2	SE	4	o	5	c. o	*	56	50	-
	Stornoway ...	29.76	56	SSW	5	rm	29.73	−.19	51	51	− 2	S	4	c	5	o. rqm	0.0	57	47	0.13
	Wick	29.98	56	S	4	o	29.79	−.23	55	55	+ 1	S	4	od	3	o	*	60	52	0.05
	Nairn	29.86	60	SW	3	c	29.76	−.24	54	53	− 2	Z	0	o	1	c	*	67	51	0.08
	Aberdeen ...	29.96	53	SSE	5	cgq	29.83	−.25	54	53	+ 1	SE	2	ogm	3	bc. qq. r	1.4	59	53	0.04
	Leith	29.96	59	S	1	o	29.77	−.28	57	56	+ 2	S	1	rm	*	o	*	67	53	0.02
	Shields	30.02	58	SSE	2	qf	29.88	−.26	56	55	+ 4	SSW	2	r	2	o m. f	*	59	51	0.08
	Spurn Head ...	30.06	56	SE	3	o	29.92	−.24	56	56	− 1	SSE	4	rm	3	c. o. f	*	60	55	0.08
	York	30.07	58	SSE	1	c	29.91	−.26	55	55	+ 1	E	1	r	*	or. c. r	0.4	62	46	0.25
	Loughborough ...	30.07	58	ESE	1	c	29.93	−.22	57	57	+ 1	SE	2	cm	*	cm. m	*	62	49	0.09
	Ardrossan ...	29.89	57	SSE	1	o	29.75	−.25	53	53	− 3	SW	2	rm	2	o	*	61	52	0.85
	Malin Head ...	29.84	53	WSW	2	rm	29.71	−.14	51	50	− 5	S	4	bc	2	o. rm	*	60	49	0.28
	Belmullet ...	29.84	56	SW	2	b	29.72	−.13	54	51	− 3	W	3	o	*	r. b	*	58	50	0.40
	Donaghadee ...	29.92	53	SSW	5	c	29.81	−.20	51	50	− 6	SW	3	o	2	c	*	60	50	0.17
	Liverpool (Bidston)	30.01	50	SSE	1	c	29.84	−.24	57	55	+ 5	SE	2	r	?	cm	*	61	52	0.24
	Holyhead ...	29.99	59	S	2	c	29.83	−.22	55	55	− 2	NW	2	rqm	2	o m. c	*	62	54	0.15
	Parsonstown ...	29.90	60	SE	1	o	29.81	−.13	52	50	− 6	SE	1	o	*	o d	0.4	63	47	0.06
	Valencia ...	29.94	53	WSW	1	om	29.85	−.06	54	53	− 4	SW	2	c	4	o m	0.0	59	50	0.24
	Roche's Point ...	29.98	58	SSE	4	o	29.90	−.10	54	51	− 4	WSW	3	b	3	c. o m	*	60	50	-
	Pembroke (St. Ann's Hd.)	30.01	59	SSE	4	bc	29.87	−.19	58	58	0	NNW	3	dm	3	bc	4.3	62	57	0.60
	Scilly	29.97	59	ESE	3	om	29.89	−.13	59	59	0	WSW	1	r	3	f. o m	4.3	64	57	0.21
	Prawle Point ...	30.05	56	ESE	2	f	29.94	−.14	59	58	+ 1	S	2	df	1	qf. r m	*	62	55	0.02
	Jersey (St. Aubin's)	30.09	64	SE	1	bc	30.00	−.10	65	64	+ 2	ENE	1	c m w	1	b. bc	*	68	61	-
	Hurst Castle ...	30.07	62	SSW	1	om	29.97	−.13	62	61	+ 2	S	3	c	2	bc m. o m	*	68	58	0.01
	Dungeness ...	30.07	60	E	1	m	30.02	−.09	59	59	+ 1	SSE	1	f	1	m. q m	*	63	56	-
	North Foreland	30.08	60	E	2	m	30.04	−.10	60	58	+ 1	SE	2	o	2	m	*	63	55	0.02
	London (Brixton) ...	30.07	61	Z	0	om	30.00	−.13	57	56	− 1	SE	1	o qm	*	or. o qm bm	0.0	63	52	0.08
	Oxford	30.07	57	Z	0	bc	29.96	−.16	58	57	+ 2	SSE	1	o qr	*	o, m. r	*	64	56	0.01
	Cambridge ...	30.08	61	ESE	1	o	29.99	−.17	57	57	+ 4	S	1	rm	*	c. o	2.0	69	52	0.01
	Yarmouth ...	30.08	58	ESE	4	or	30.01	−.17	58	56	0	E	1	c	3	c. or	*	59	55	0.01
Germany & Holland.	Cuxhaven ...	30.17	56	E	3	c	30.04	−.24	53	53	+ 4	E	3	bc	*	c	*	59	49	-
	Berlin	30.22	56	E	2	b	30.10	−.21	51	49	0	SE	3	c	*	b	*	63	48	-
	Wiesbaden ...	*	*	*	*	*	30.09	−.12	55	54	− 1	SE	1	f	*	*	*	70	54	-
	Munich	30.19	61	Z	0	c	30.17	−.07	58	57	+ 5	SW	1	b	*	c	*	68	52	-
	The Helder ...	30.10	58	ENE	2	o	30.02	−.20	57	55	+ 2	ENE	1	b	1	o	*	59	55	-
Belgium.	Brussels ...	*	*	*	*	*	30.08	−.09	57	57	+ 2	SW	1	r	*	f	*	73	54	0.04
	Cape Gris Nez ...	30.06	61	W	1	m	30.02	−.08	58	58	+ 2	SSW	1	m	1	m	*	63	55	-
	Paris	30.10	63	NE	2	m	30.09	−.04	52	52	− 5	Z	0	f	*	m	*	68	52	-
	Brest	30.01	64	SE	1	c	29.96	−.09	63	61	+ 3	SE	2	c	2	c	*	68	57	-
	Lorient	30.06	64	SW	2	c	29.98	−.10	63	62	+ 4	E	1	o	1	c	*	73	55	-
France &	Rochefort ...	30.04	70	N	2	bc	29.97	−.17	62	61	+ 1	SE	3	b	*	b. bc	*	84	61	-
	Belfort	30.10	62	E	1	m	30.10	−.07	52	52	− 14	Z	0	m	*	m	*	71	?	-
	Lyons	30.10	68	E	1	b	30.12	−.05	56	56	− 2	S	1	f	*	b	*	77	53	-
	Nice	30.09	65	Z	0	b	30.08	−.01	65	57	− 2	E	2	f	0	b	*	79	61	-
	Perpignan ...	30.09	65	Z	0	b	30.10	−.03	58	58	− 2	NE	2	f	*	b	*	80	56	-
	Biarritz ...	29.97	77	E	3	b	29.93	−.09	68	61	+ 4	SE	3	b	1	b	*	86	64	-
Peninsula.	Corunna ...																*			
	Lisbon	29.99	68	SW	2	b	29.98	−.05	67	64	0	E	3	b	*	b	*	77	64	-
	Azores (P. Delgada)	30.21	65	NE	3	c	30.23	+.13	63	58	− 1	NNE	4	o	2	c	*	70	61	-

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

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

Bright Sunshine yesterday Southport 0.3 hrs;

WEATHER CHARTS

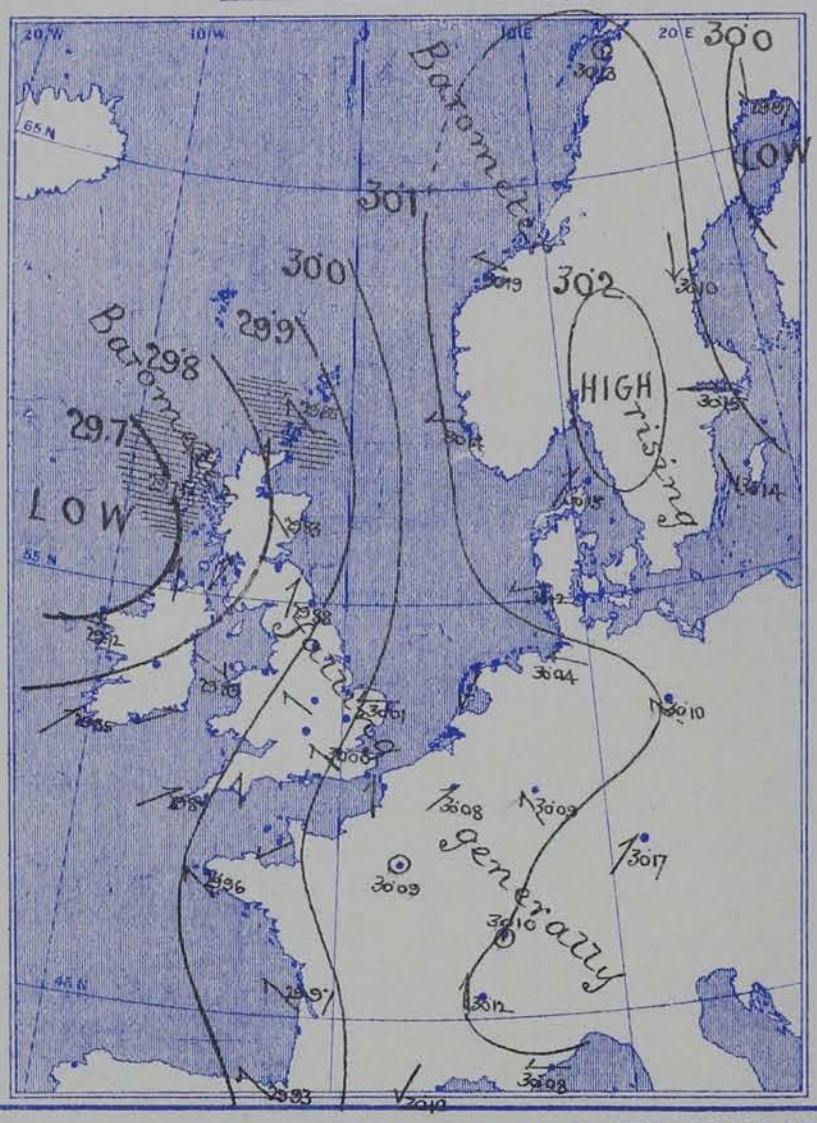
FOR Wednesday 29th September 1897.

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* ⟶ ; }

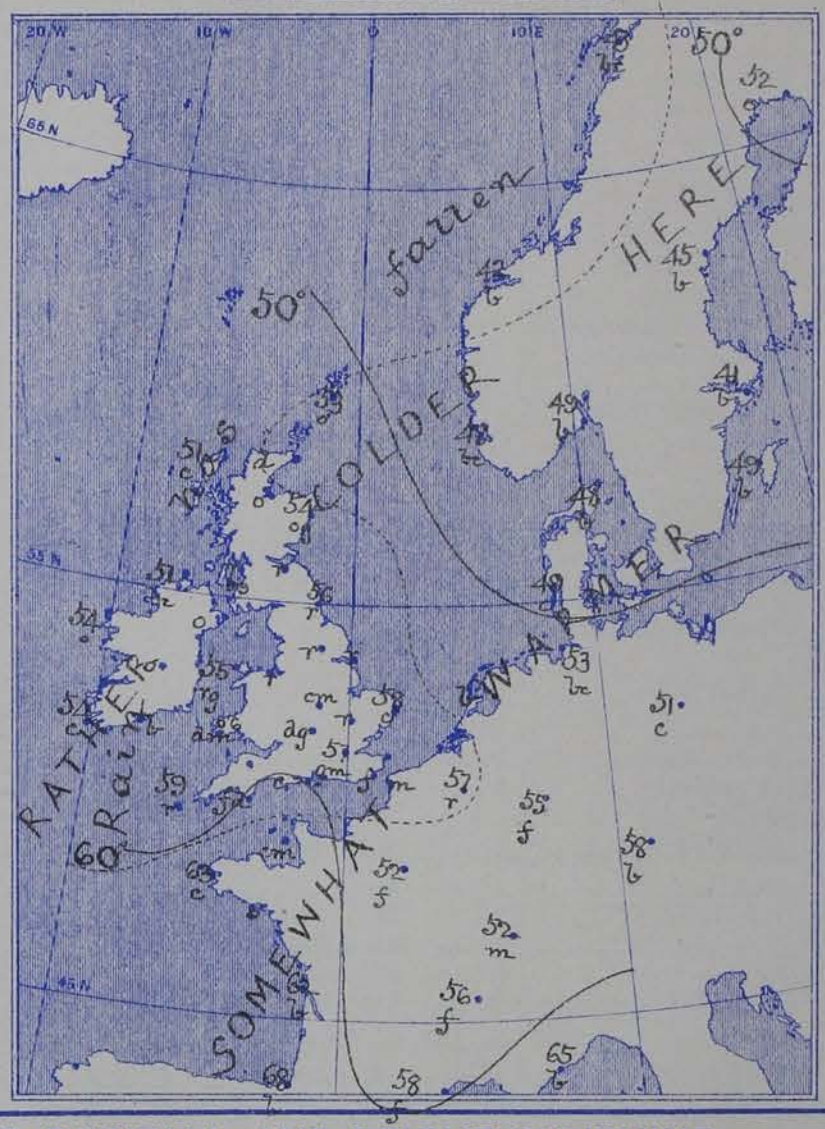
SEA—Rough ▤ ; *High* ▨



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 SEPTEMBER.*

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 · 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* 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, 30·21 ins: at Karlstad, and exceeding 30·1 ins: over almost the whole of Scandinavia, Germany, and Austria.
Lowest, 29·7 ins: and less, in a shallow depression lying off the north-west coast of our Islands.
Gradients slight and variable. Barometer falling slightly and unsteadily in our Islands, rising over Sweden and the greater part of Norway.

TEMPERATURE

Highest, 68° at Biarritz, 67° at Lisbon, 65° at Nice, 63° at Brest; 62° to 57° over the southern parts of England.
Lowest, 42° to 45° over Lapland and the northern parts of Sweden and Norway.
Maxima of 64° to 69° were recorded at many of the English stations yesterday.

WIND

Light over our Islands generally, and varying from between S.W. and S.E. in direction. Over France it is S.E.^{ly}, but in Sweden N.^{ly}, and strong at Haparanda.

WEATHER

Very changeable over our Islands, with rain in several places; fine over France and Germany with fog in places; clear and bright over Scandinavia.
A little rain fell yesterday all over our Islands and the north-west of Norway; Ardrossan and Pembroke report considerable falls.
Bright Sunshine recorded yesterday exceeded 4 hrs at Yarmouth, Scilly, and Pembroke, but the amounts were smaller elsewhere – none in London or at Valencia.

SEA

Rather rough in the far north, moderate at Valencia (Ireland), slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Very little change is indicated at present, but the tendency is for rather brighter weather over England.

FORECASTS

For the 24 hours ending at NOON on 30th SEPT: **1897.**

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SE. to SW. winds; cloudy, changeable, some rain occasionally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SE. and Variable airs; close, slight misty showers at times, bright intervals.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	SW. and S. breezes, moderate or light; some rain.
7	ENGLAND N.W.	
8	ENGLAND S.W.	SE. and SW. airs; dull, close, rain at times.
9	IRELAND NORTH	W. to S. breezes, light; 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 ...	30·23	57	53	S	2	c	2
Sumburgh Head	29·99	55	54	SE	2	c	4
Stornoway	29·83	56	56	S	3	o	4
Aberdeen	30·01	57	54	SSE	3	bc	2
Shields	30·08	59	56	S	1	om	2
Ardrossan	29·96	58	56	SSE	2	o	1
Malin Head ...	29·78	60	57	S	6	o	2
Belmullet	29·85	56	52	WSW	2	b	*
Holyhead	30·03	61	59	S	2	om	1
Valencia	29·92	55	54	WSW	3	om	4
Scilly	30·01	60	59	SE	3	f	2
Jersey	30·09	67	63	SE	3	b	3
Hurst Castle ...	30·08	66	63	ENE	1	bcm	1
Dungeness ...	30·07	62	61	E	2	om	1
North Foreland	30·10	63	60	E	2	m	2
London (Westminster)	30·08	63	60	N	0	ogm	*
Yarmouth ...	30·12	59	57	E	3	c	3
Rochefort ...	30·07	68	66	N	0	b	*

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

Weather in morning fine and bright (1) over the greater part of southern and central Europe, as well as in Denmark and the greater part of Sweden; (2) dull and very uncertain over the English Channel, England, and Ireland, with damp misty showers in some places; (3) dull over the northern half of Russia and the northwest of Norway, with rain at Christiansund, Bodö, and Kiruna. Rain falling later over the British Islands and the northwest of Norway, the amounts being considerable at one or two stations, slight elsewhere. Fog or mist prevalent in several places.

Temperature rising decidedly over the British Islands. Morning readings highest 73° at Athens and above 70° in several places on the southern side of the Mediterranean; 68° at Rome, 67° at Toulon, 66° at Lesina; 63° at Jersey, 60° at Hurst Castle and above 55° over the greater part of our Islands. Lowest 40° at Archangel, 44° at Haparanda, (+Karlstad) 46° at Kiruna, Stockholm, and Riga, 47° at Skudesnaes and Münster; 50° at Hermanstad. Rising later to between 64° and 69° over the southern half of England, but to only 63° at Berlin & 68° at Paris, (but touching) 79° at Nice, 84° at Rochefort and 86° at Biarritz.

Wind light and extremely variable except over the British Islands and northern Europe. E 1 to S 3 over the British Islands, and blowing rather freely at the western stations; NW 3 over Scandinavia and the Gulf of Finland, and blowing a gale at Hernösand and Wisby; NNE 3 and light at Uleaborg and Haparanda. No decided change later except a veering towards SW. in Ireland.

Barometer highest 30·3 in. and more to 30·1 in. in a large but complicated anticyclone covering all the southern, central and northwestern parts of Continental Europe including the eastern half of England. Lowest (1) 29·5 in. and less over the north of Russia and the White Sea; (2) Below 29·9 in. over the northwest of Ireland and the neighbouring parts of the Atlantic. Shallow depression advancing towards our northwest coasts later, and barometer falling a little over the British Islands and France, rising in 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.

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DAILY WEATHER REPORT

for 8 a.m. on Thursday, 30th September, 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 ...	30·13	35	N	2	b	30·25	+·28	39	36	- 3	N	2	bc	*	b	*	46	34	-
	Hernösand ...	30·18	46	NW	0	b	30·29	+·19	37	32	- 8	NW	0	b	*	b	*	54	36	-
	Stockholm ...	30·20	44	NW	0	b	30·27	+·12	39	38	- 2	NW	0	b	*	b	*	52	37	-
	Wisby	30·21	42	N	4	b	30·25	+·11	46	43	- 3	ESE	4	b	*	b	*	50	39	-
	Karlstad ...	30·20	42	NNW	2	b	30·24	+·03	41	39	+ 2	NE	2	c	*	b	*	*	*	-
	Bodö	30·25	44	SW	2	bc	30·23	+·10	40	38	- 3	E	2	b	1	bc	*	45	37	0·16
	Christiansund ...	30·14	45	ESE	2	b	30·04	-·15	43	41	+ 1	SE	2	o	2	b	*	50	41	-
	Skudesnaes ...	30·05	54	SE	4	o	29·96	-·18	52	50	+ 4	ESE	6	r	4	b,o	*	58	46	*
	Færder (Christiania Fjord)	30·17	53	ENE	2	b	30·17	-·02	50	46	+ 1	ENE	3	o	2	b	*	54	48	-
	Skagen (The Scaw)	30·13	54	E	1	b	30·12	-·03	54	48	+ 6	SE	3	c	1	b	*	57	48	-
	Fanö	30·05	55	ESE	6	o	29·95	-·17	54	53	+ 5	ESE	6	c	*	b	*	63	48	-
British Islands.	Sumburgh Head	29·81	50	SE	5	r	29·68	-·17	53	53	0	ENE	3	o	6	r	*	53	49	1·09
	Stornoway ...	29·69	55	E	2	o	29·74	+·01	53	53	+ 2	N	3	o	3	c.o	3·0	59	46	0·02
	Wick	29·66	54	S	6	r	29·72	-·07	54	53	- 1	Calm	0	o	2	r.o	*	55	51	1·11
	Nairn	29·64	52	Calm	0	c	29·71	-·05	52	50	- 2	W	1	b	1	c	*	56	45	0·16
	Aberdeen ...	29·65	53	SSE	3	ogmr	29·73	-·10	51	50	- 3	W	1	c	3	ogrm	0·0	54	46	0·26
	Leith	29·67	54	N	1	o	29·73	-·04	50	48	- 7	W	2	bm	*	o	*	61	41	0·09
	Shields	29·71	55	W	1	o	29·78	-·15	47	46	- 9	W	1	m	2	r.o	*	59	41	0·21
	Spurn Head ...	29·77	59	SSW	5	r	29·73	-·19	51	50	- 5	NW	3	c	3	o.r	*	62	50	0·41
	York	29·74	60	S	1	o	29·73	-·18	42	42	- 13	NW	1	b	*	or	0·0	61	42	0·55
	Loughborough ...	29·80	59	S	1	r	29·76	-·17	44	44	- 13	Calm	0	fw	*	omr.pf	*	63	43	0·46
	Ardrossan ...	29·66	55	SW	2	c	29·67	-·08	52	51	- 1	Calm	0	om	0	c	*	57	42	-
	Malin Head ...	29·61	53	W	1	cp	29·78	+·07	53	50	+ 2	N	2	bcp	2	c.qp	*	59	50	0·14
	Belmullet ...	29·64	54	WNW	3	bcp	29·88	+·16	53	51	- 1	N	2	b	*	cp	*	57	51	0·04
	Donaghadee ...	29·67	55	SSW	4	c	29·76	-·05	48	48	- 3	W	2	b	0	c	*	59	44	0·01
	Liverpool (Bidston)	29·75	52	W	1	c	29·73	-·11	49	48	- 8	Calm	0	m	?	r.c	*	59	48	0·33
	Holyhead ...	29·75	55	S	1	cmu	29·72	-·11	52	51	- 3	E	1	ap	1	c.cm	*	56	49	0·03
	Parsonstown ...	29·72	54	W	2	b	29·79	-·02	52	50	0	NW	1	r	*	cp	5·9	60	49	0·02
	Valencia ...	29·82	56	W	4	cp	29·89	-·04	55	52	+ 1	NNW	5	op	5	cp	6·3	58	50	0·17
	Roche's Point ..	29·81	57	W	3	b	29·79	-·11	55	52	+ 1	N	5	b	4	b,m	*	62	50	0·01
	Pembroke (St. Ann's Hd.)	29·79	56	W	4	c	29·72	-·15	54	51	- 4	NW	3	b	3	o,c	0·9	58	50	0·27
	Scilly	29·88	56	WNW	4	c	29·76	-·13	55	53	- 4	NW	4	cp	4	rf,c	1·8	60	53	1·18
	Prawle Point ...	29·81	56	W	3	c	29·76	-·18	55	53	- 4	WNW	3	cp	3	rf,c	*	61	51	0·40
	Jersey (St. Aubin's)	29·81	69	W	3	ogm	29·80	-·20	58	56	- 7	SW	4	cq	3	o,pl	*	70	54	0·04
	Hurst Castle ...	29·82	63	SW	3	otl	29·77	-·20	54	52	- 8	WNW	1	bc	2	r.tlr	*	65	50	0·40
	Dungeness ...	29·85	64	SSE	2	c	29·77	-·25	55	54	- 4	W	3	op	2	bc,tlr	*	66	54	0·28
	North Foreland	29·88	62	SE	2	c	29·75	-·29	57	55	- 3	W	3	c	2	bc,c,tlr	*	64	53	0·31
	London (Brixton) ...	29·79	64	SSW	2	o	29·78	-·22	51	50	- 6	SW	1	o	*	o,tlrh,b	0·0	71	50	1·03
	Oxford	29·75	59	SE	2	r	29·76	-·20	49	49	- 9	SW	1	fg	*	op,tlr	*	66	47	1·13
	Cambridge ...	29·80	63	S	1	o	29·76	-·23	51	50	- 6	WSW	1	ow	*	o,tlr	0·0	67	48	1·45
	Yarmouth ...	29·86	59	S	4	c	29·72	-·29	55	54	- 3	WNW	3	cm	3	bc,tlr	*	61	54	0·61
Germany & Holland.	Cuxhaven ...	30·00	55	E	1	f	29·92	-·12	53	53	0	ESE	4	f	*	f	*	57	52	-
	Berlin	30·04	59	ESE	2	o	30·01	-·09	53	52	+ 2	SE	2	o	*	o	*	63	51	-
	Wiesbaden ...	*	*	*	*	*	29·93	-·16	57	57	+ 2	E	1	f	*	*	*	63	55	-
	Munich... ..	30·10	57	SSW	3	b	30·05	-·12	53	53	- 5	S	1	b	*	b	*	68	48	-
	The Helder ...	29·93	59	SSW	1	o	29·77	-·25	58	57	+ 1	S	1	m	1	o	*	64	57	-
Belgium.	Brussels ...	*	*	*	*	*	29·80	-·28	61	59	+ 4	S	1	o	*	b	*	66	57	-
	Cape Gris Nez ...	29·85	65	S	2	m	29·75	-·27	57	56	- 1	WSW	4	o	4	m	*	73	55	0·08
	Paris	29·96	64	ESE	1	bc	29·83	-·26	60	60	+ 8	SSW	1	m	*	bc	*	73	52	-
	Brest	29·89	57	NW	2	o	29·82	-·14	56	54	- 7	W	2	o	3	o	*	64	52	0·04
	Lorient... ...	29·88	64	W	2	m	29·86	-·12	56	56	- 7	W	3	bc	4	m	*	73	55	-
France &	Rochefort ...	29·90	66	SSW	3	f	29·89	-·08	62	62	0	NW	3	r	*	f	*	81	61	0·08
	Belfort	29·99	66	W	1	m	29·95	-·15	57	55	+ 5	Calm	0	m	*	m	*	76	51	-
	Lyons	30·05	68	S	1	b	29·98	-·14	57	55	+ 1	SSE	1	bc	*	b	*	77	54	-
	Nice	30·06	63	Calm	0	b	30·08	·00	60	58	- 5	E	2	c	1	b	*	77	57	-
	Perpignan ...	30·05	63	NE	2	o	30·03	-·07	61	61	+ 3	NE	2	r	*	o	*	69	58	0·04
	Biarritz ...	29·97	70	SSW	2	o	29·91	-·02	64	62	- 4	S	2	o	4	o	*	78	63	-
Penin-sula.	Corunna ...																*			
	Lisbon	30·02	66	ESE	3	o	30·10	+·12	66	64	- 1	SE	1	c	*	o	*	72	64	0·32
	Azores (P. Delgada)	30·29	64	N	3	c	30·30	+·07	64	60	+ 1	NE	2	o	2	c	*	70	63	-

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

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

Bright Sunshine yesterday Southport 0·0 hrs;

WEATHER CHARTS

FOR Thursday, 30th September, 1897.

BAROMETER, WIND AND SEA.

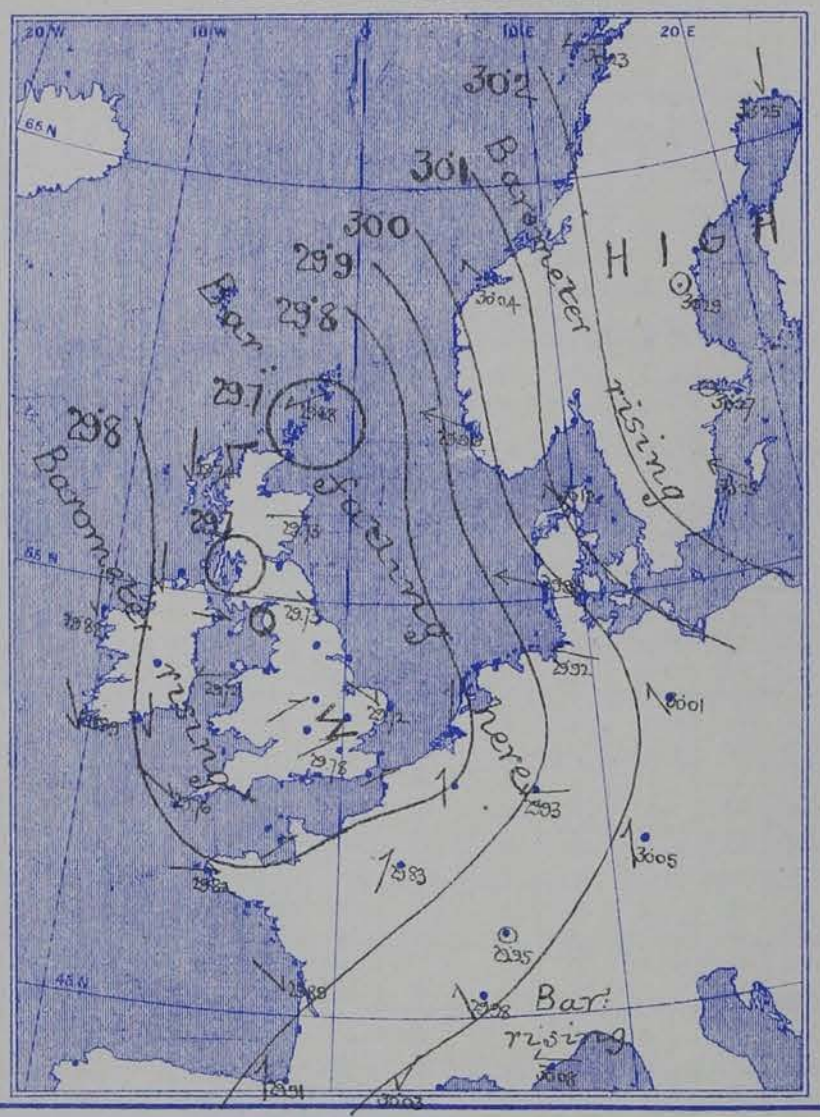
BAROMETER—Isobars are drawn for each tenth of an inch.

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 SEPTEMBER.

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 · 793	50 · 8	49 · 1	55 · 0	46 · 1	68	1880	34	1887, 88	3 · 38	—	—
Stornoway	29 · 814	51 · 5	50 · 2	56 · 5	45 · 8	69	1880, 95	32	1871, 75, 85	4 · 09	103 · 3	27
Wick	29 · 831	52 · 0	50 · 1	57 · 8	45 · 7	74	1884, 91	29	1885, 87	2 · 51	—	—
Nairn	29 . 843	51 · 5	49 · 1	59 · 5	46 · 2	77	1895	25	1892	2 · 48	—	—
Aberdeen	29 · 863	52 · 3	49 · 8	59 · 3	46 · 6	79	1891	30	1887	2 · 89	124 · 2	33
Leith	29 · 887	53 · 3	50 · 8	62 · 0	47 · 5	81	1873, 91	33	1886	2 · 19	—	—
Shields	29 · 910	53 · 2	51 · 0	60 · 1	48 · 2	79	1895	34	1885, 89, 93	2 · 30	—	—
Spurn Head	29 · 947	55 · 6	53 · 8	60 · 7	52 · 5	75*	1895	38*	1892	1 · 83	—	—
York	29 · 948	52 · 9	51 · 0	63 · 2	47 · 5	83	1895	30	1885	2 · 45	118 · 4	32
Loughborough	29 · 971	53 · 6	51 · 9	65 · 4	47 · 6	86*	1891, 95	30*	1885, 94	2 · 50	—	—
Ardrossan	29 · 892	53 · 7	51 · 6	59 · 7	49 · 4	78	1880	32	1885	3 · 38	—	—
Malin Head	29 · 869	53 · 5	51 · 1	58 · 4	51 · 1	—	—	—	—	—	—	—
Belmullet	29 · 904	55 · 1	52 · 7	59 · 6	51 · 6	—	—	—	—	4 · 26	—	—
Donaghadee	29 · 916	53 · 6	52 · 4	60 · 0	49 · 4	71	1893	36	1882, 94	2 · 74	—	—
Holyhead	29 · 941	55 · 8	53 · 6	60 · 8	52 · 5	78	1880	43	1873, 85	3 · 10	—	—
Liverpool	29 · 947	54 · 7	52 · 0	61 · 5	50 · 9	82	1880	39	1885	3 · 17	—	—
Parsonstown	29 · 948	52 · 8	50 · 9	61 · 7	47 · 2	79	1880	30	1885	2 · 92	124 · 7	33
Valencia	29 · 961	56 · 4	54 · 1	31 · 8	51 · 3	78	1895	37	1885	4 · 38	130 · 4	35
Roche's Point	29 · 963	55 · 6	53 · 4	61 · 7	51 · 0	74	1880	39	1893	3 · 74	—	—
Pembroke	29 · 962	56 · 2	54 · 0	60 · 3	53 · 1	74	1895	40	1885	3 · 32	146 · 5	39
Scilly	29 · 982	58 · 5	56 · 4	62 · 0	54 · 8	72	1880, 93, 95	44	1885, 88	3 · 28	—	—
Prawle Point	30 · 004	57 · 2	55 · 3	62 · 5	52 · 3	76*	1889	36*	1885	2 · 41	—	—
Jersey	30 · 003	60 · 2	57 · 2	65 · 8	54 · 9	86	1895	41	1891	2 · 96	183 · 4	49
Hurst Castle	30 · 002	57 · 3	55 · 7	64 · 6	52 · 3	77	1895	35	1885	2 · 76	—	—
Dover	29 · 981	57 · 9	55 · 5	63 · 7	53 · 2	77	1880	32	1885	2 · 53	—	—
LONDON	29 991	55 · 8	53 · 4	66 · 5	49 · 6	87	1880	30	1877	2 · 17	111 · 5†	30†
Oxford	29 · 985	53 · 9	52 · 0	64 · 3	48 · 8	83	1880, 95	33	1885	2 · 43	141 · 0	38
Cambridge	29 · 979	54 · 6	52 · 9	66 · 0	47 · 9	88	1880	31	1885	2 · 13	144 · 2	39
Yarmouth	29 . 959	56 · 4	54 · 4	62 · 3	51 · 3	78	1880	33	1885	2 · 64	—	—

* 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) 30·2 ins: and more to 30·0 ins: over Sweden and Norway; (2) about 29·9 ins: over the west of Ireland, and evidently higher over the Atlantic
Lowest, Below 29·8 ins: over the whole of Great Britain and the rest of Ireland, and below 29·7 ins: at Sumburgh Head.
Gradients exceedingly slight and irregular over our Islands, moderate for SE. and S. winds over Norway and the eastern shores of the North Sea.
Barometer rising in Ireland, but changing very little over Great Britain.

TEMPERATURE

Highest 64° to 60° in the southwest and south of France, and about 55° along our southeastern and southern coasts, 54° at Wick.
Lowest, 37° at Haparanda and Stockholm, 41° at York, 44° at Loughborough.
Maxima were recorded yesterday of 71° in London, 70° at Jersey, but at our other stations they were decidedly lower.
At Berlin the maximum was only 63°, at Paris 73°, at Nice 71°, and at Rochefort 81°.

WIND

Moderate from NE at Sumburgh Head, from N. in Ireland, from the W.ᴿᵈ over the English Channel, and strong from SE over Denmark and Norway.
Over Great Britain generally it is light and variable — calm at some stations.

WEATHER

Cloudy and changeable all over our Islands, with rain in several places. Heavy thunderstorms and rains occurred over our southeastern and eastern counties last night and lightning at Jersey.
Heavy rains occurred at Sumburgh Hd. and Wick, moderate rains over the north of England, and small quantities in Ireland.
Bright Sunshine recorded yesterday was greatest in Ireland (5·9 to 6·3 hrs:) There was none at Southport, London, Cambridge, York or Aberdeen.

SEA

Rough at Sumburgh Head, moderate on our southwest coasts, smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Changeable weather is still probable, with rain in several places, and possibly, some showers locally.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Varying winds; weather changeable, rain at times, very unsettled.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	Varying airs; rain at times, thunder in some localities, colder.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Varying and NW. airs; colder, fair as a whole.
7	ENGLAND N.W.	Varying and NW. breezes; colder, changeable, some rain.
8	ENGLAND S.W.	
9	IRELAND NORTH	Same as No 6
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·12	58	51	SSE	2	b	2	Valencia	29·83	58	55	WSW	5	cp	5
Sumburgh Head	29·84	52	52	SE	4	r	6	Scilly	29·87	56	55	NW	2	om	3
Stornoway	29·70	59	59	S	2	e	2	Jersey	29·88	68	65	E	2	o	2
Aberdeen	29·73	54	53	SSE	4	ogqwr	5	Hurst Castle ...	29·89	64	62	S	2	r	2
Shields	29·74	58	57	SSW	2	r	2	Dungeness ...	29·94	65	63	ESE	2	bc	1
Ardrossan	29·71	57	55	SW	2	c	2	North Foreland	29·94	63	61	SE	2	bc	2
Malin Head ...	29·64	57	54	S	3	e	2	London (Westminster)	29·87	70	65	S	1	o	*
Belmullet	29·68	54	52	W	2	cp	*	Yarmouth ..	29·92	60	58	SSE	4	bc	3
Holyhead	29·80	55	53	SW	2	c	1	Rochefort ...	29·93	81	79	SE	3	b	*

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

Continental Information will appear tomorrow.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	TEMP.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
1	Corunna	29.99	66	NW	4	b	30.00	-	63	59	-	S	3	b	3	b	-	68	50	-
2	Corunna	30.01	62	W	3	f	30.04	+.04	62	59	- 1	SW	3	b	3	f	-	73	54	0.16
"	Azores (P. Delgada)	30.34	66	NE	3	b	30.38	+.17	66	60	0	NE	4	c	3	b	-	70	64	-
4	Spurn Head	29.77	54	WNW	5	c	29.70	-.11	45	45	- 5	SW	4	p	3	c	-	56	43	0.19
"	Corunna	30.22	63	N	6	bc	30.45	+.01	57	52	0	NE	2	b	4	bc	-	64	48	0.24
6	Corunna	30.43	64	NNW	3	b	30.39	-.05	59	57	+ 2	NNW	2	b	3	b	-	66	50	-
7	Corunna	30.42	66	NNW	2	b	30.32	-.07	65	64	+ 6	NNW	2	f	3	b	-	68	59	-
8	Corunna	30.27	66	NW	2	f	30.16	-.16	68	62	+ 3	SW	1	o	3	f	-	68	57	-
9	Corunna	30.11	65	NW	3	c	30.03	-.13	63	59	- 5	WSW	3	o	3	c	-	68	50	-
-	Azores (P. Delgada)	30.17	69	S	3	b	30.11	-.05	70	65	+ 2	S	4	b	4	bc	-	75	66	-
10	Corunna	30.06	65	NW	3	b	30.07	+.04	64	61	+ 1	NNW	4	o	3	b	-	66	48	0.16
11	Cape Gris Nez	30.20	57	E	5	b	30.34	+.21	54	-	+ 1	E	2	c	2	b	-	61	50	-
13	Lisbon	30.06	67	NE	4	b	30.13	+.15	66	60	- 2	NE	3	bc	-	b	-	81	64	0.02
14	Lorient	30.41	62	NNE	4	c	30.43	-.02	54	-	- 2	ESE	4	bc	4	c	-	73	52	-
-	Corunna	30.23	68	NE	6	b	30.30	-	64	57	-	NE	3	b	2	b	-	72	50	-
15	Azores (P. Delgada)	30.34	67	NNE	3	b	30.32	.00	67	64	- 2	NNE	3	b	2	b	-	75	64	-
16	Corunna	30.30	65	N	6	b	30.30	-	62	59	-	NE	1	o	2	b	-	68	54	-
"	Azores (P. Delgada)	30.38	68	ENE	3	c	30.37	+.05	69	63	+ 2	ENE	3	c	3	c	-	75	66	-
17	Corunna	30.24	64	N	6	b	30.16	-.14	61	57	- 1	NNE	3	b	3	b	-	66	48	-
18	Corunna	30.08	62	N	4	c	29.91	-.25	57	54	- 4	N	2	c	2	c	-	63	50	-
19	Corunna	29.91	58	N	6	f	30.05	+.14	57	-	0	N	2	c	?	f	-	?	?	-
20	Brussels	-	-	-	-	-	29.78	+.11	45	-	0	NNW	1	o	-	bc	-	52	41	0.16
"	Corunna	30.08	60	N	2	c	30.15	+.10	56	54	- 1	N	1	o	1	c	-	61	48	-
21	Corunna	30.20	62	N	3	o	30.27	+.12	55	52	- 1	N	2	o	3	o	-	63	50	-
22	Corunna	30.28	63	N	2	b	30.31	+.04	60	59	+ 5	N	1	f	3	b	-	64	54	-
23	Corunna	30.28	68	NW	3	bc	30.29	-.02	61	60	+ 1	NW	3	f	3	bc	-	?	55	-
24	Corunna	30.26	63	NW	3	c	30.10	-.19	59	58	- 2	NW	1	f	4	c	-	66	55	-
25	Corunna	30.19	62	NW	3	b	30.19	+.09	54	53	- 5	WNW	2	f	3	b	-	64	48	-
27	Corunna	30.25	63	NW	2	bc	30.11	-	61	57	-	NW	1	b	5	bc	-	66	61	-
28	Corunna	30.06	66	S	3	c	30.02	-.09	71	70	+ 10	S	1	c	1	c	-	77	57	-
29	Corunna	29.96	68	S	1	o	29.99	-.03	67	61	- 4	S	1	b	2	c	-	77	55	-
30	Corunna	29.98	64	NW	2	f	30.11	+.12	59	57	- 8	NW	2	f	5	f	-	67	?	-

REPORTS FOR SEPTEMBER 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	Scilly	-	-	-	-	-	29.61	- .14	-	-	-	-	-	-	-	-	-	-	-	-
2	Shields	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	-	-
..	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	-	-
4	Loughborough	29.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Spurn Head	-	-	-	-	-	-	-	-	50	-	-	-	-	-	-	-	-	-	-
6	York	-	-	-	-	-	29.66	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Aberdeen	29.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
..	Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-
9	Nairn	29.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
..	Ardrossan 2pm	-	-	-	-	-	-	-	56	-	-	-	-	-	-	-	-	-	-	-
11	Leith	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	-
12	Hurst Castle	-	-	-	-	-	-	-	52	-	- 1	-	-	-	-	-	-	-	-	-
14	York	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	-	-	-
..	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	-	-
..	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-
16	Yarmouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain
17	Liverpool	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03
..	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-
..	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	-	-
20	Bodo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain
..	Shields	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.14
..	Holyhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	-
22	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-
23	North Foreland	-	-	-	-	-	-	-	-	55	-	-	-	-	-	-	-	-	-	-
24	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	-
25	North Foreland	29.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	Hurst Castle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-
28	North Foreland	-	-	-	-	-	-	-	62	-	-	-	-	-	-	-	-	-	-	-
29	North Foreland 2pm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	-	-