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**METEOROLOGICAL OFFICE.**

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# **DAILY WEATHER REPORTS**

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**1ST JULY TO 31ST DECEMBER, 1899.**

# DAILY WEATHER REPORT.

July to December 1899.





# DAILY WEATHER REPORT

for 8 a.m. on Friday 1<sup>st</sup> September, 1899.

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.		WIND.		TEMP.	
	At 33° and M.S.L.	Dry Bulb	Dirco.	Force (0 to 12.)	Weather		At 33° Fahr. and M.S.L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirco.	Force (0 to 12.)	Weather	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	Max.
	Ins.	°					Ins.	Ins.	°	°	°							Ins.
SCANDINAVIA.	Haparanda ...	29.82	43	2	0	0	29.75	- .11	43	41	- 3	NE	2	0	0	0	52	41
	Hernösand ...	29.76	50	NE	4	0	29.67	- .09	48	46	- 1	NE	4	0	0	0	52	43
	Stockholm ...	29.67	57	S	2	0	29.55	- .22	56	56	- 2	SE	2	r	0	0	72	46
	Wisby ...	29.68	57	SSW	4	r	29.63	- .20	57	56	0	WSW	6	c	0	0	63	50
	Karlstad ...	29.61	57	2	0	bc	29.51	- .18	55	54	+ 2	ENE	2	r	0	0	0	0.43
	Bodo ...	29.78	50	ENE	2	bc	29.75	- .07	47	41	- 6	E	2	b	1	bc	55	43
	Christiansund ...	29.57	52	E	4	b	29.49	- .22	53	50	+ 2	2	0	0	2	b	55	46
	Skudesnaes ...	29.57	58	2	0	0	29.49	- .14	55	53	- 3	NNW	2	c	2	0	63	54
	Færder (X'iania Fjord)	29.59	58	WSW	2	c	29.46	- .21	57	57	+ 1	NNW	1	0	2	c	63	55
	The Scaw (Skagen)	29.62	57	SW	2	m	29.52	- .15	58	57	- 2	WSW	3	m	0	m	64	55
BRITISH ISLANDS.	Fanø ...	29.77	60	WSW	4	c	29.58	- .15	60	59	0	WSW	4	c	0	c	66	59
	Sumburgh Head ...	29.57	56	NE	4	c	29.54	- .05	50	50	- 4	NE	1	0	4	o.c	57	50
	Stornoway ...	29.59	62	NN	4	c	29.58	- .02	54	53	- 4	2	0	b	0	bc.c	8.4	66
	Wick ...	29.56	56	NN	2	r	29.54	- .04	56	56	- 2	2	0	0	1	r	59	54
	Nairn ...	29.59	58	2	0	r	29.57	- .04	58	55	+ 2	W	1	c	2	r	62	50
	Aberdeen ...	29.59	57	NN	2	c	29.57	- .02	56	54	- 2	W	3	cp	2	op.c	60	52
	Leith ...	29.61	63	WSW	2	r	29.59	- .07	59	55	- 2	WSW	2	bm	0	b.p	68	51
	Shields ...	29.64	62	SW	2	bc	29.62	- .11	57	58	- 3	WSW	2	b	2	c.bc	68	48
	Spurn Head ...	29.70	65	SW	3	c	29.63	- .17	58	55	- 2	W	4	b	3	c.jp	69	55
	Loughborough ...	29.74	60	SW	2	0	29.69	- .18	58	56	0	WSW	3	cu	0	cp.bc.c	69	53
FRANCE & NETHERLANDS.	Malin Head ...	29.60	58	E	2	c	29.61	- .09	56	55	0	SSW	3	bc	2	p.c	61	54
	Belmullet ...	29.64	58	W	1	b	29.72	0.00	60	58	+ 2	W	3	r	0	o.b	60	56
	Donaghadee ...	29.62	61	SW	3	c	29.66	- .10	55	54	- 1	WSW	2	og	2	c	63	50
	Liverpool (Bidston) ...	29.67	57	S	1	p	29.68	- .14	58	55	- 2	W	2	0	3	c.p	65	54
	Holyhead ...	29.63	59	SW	3	cp	29.69	- .14	58	56	- 1	WNW	3	c	2	c.cp.2	65	55
	Parsonstown ...	29.65	59	SW	1	0	29.73	- .06	57	55	+ 1	SW	1	c	0	or	1.3	61
	Valencia ...	29.76	62	W	5	bc	29.76	+ .04	60	56	- 1	SW	3	op	4	cp.bc	7.6	63
	Roche's Point ...	29.74	63	WNW	4	bc	29.78	- .02	61	58	- 1	W	3	bc	3	p.bc	3.9	67
	Pembroke (St. Ann's Hd.)	29.70	62	W	6	bc	29.77	- .10	61	58	- 1	NW	5	cp	5	bc	3.9	64
	Scilly ...	29.83	64	SW	5	cp	29.83	- .08	63	59	- 1	W	4	cp	3	cp.cp	5.8	68
GERMANY.	Jersey (St. Aubin's) ...	29.93	65	WSW	3	bc	29.84	- .18	60	59	- 5	W	2	0	2	agp.bc.c	0	68
	Portland Bill ...	29.82	63	WSW	6	c	29.80	- .16	61	59	- 2	WNW	5	c	4	c	67	57
	Dungeness ...	29.82	65	SW	5	c	29.76	- .18	64	60	- 1	W	5	og	4	c	69	59
	London (Brixton) ...	29.80	65	SW	3	0	29.75	- .17	59	55	- 1	WSW	3	c	0	c.opl.b	2.3	71
	Oxford ...	29.75	58	SW	3	bc	29.74	- .17	57	55	- 4	WSW	3	0	0	bc.r	68	54
	Yarmouth ...	29.76	67	SW	5	bc	29.66	- .20	60	56	- 1	SW	5	bc	3	bc	69	54
	Cuxhaven ...	29.82	61	W	3	c	29.63	- .13	58	56	- 2	SW	5	0	0	c	64	55
	Berlin ...	...	...	...	...	...	29.87	- .13	61	58	- 1	W	1	0	0	0	73	57
	Wiesbaden ...	...	...	...	...	...	30.07	- .07	63	58	0	W	5	c	0	0	70	52
	Munich ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
SPAN. PEN.	The Helder ...	29.82	64	SW	4	0	29.66	- .17	63	58	- 1	SW	3	bc	4	0	68	57
	Brussels ...	...	...	...	...	...	29.80	- .16	62	?	0	SW	4	0	0	c	72	55
	C. Gris Nez ...	29.88	64	W	5	c	29.78	- .18	63	60	+ 2	WNW	5	0	5	c	66	61
	Paris ...	29.95	69	SW	2	b	29.92	- .13	60	56	0	S	2	c	0	b	68	58
	Brest ...	29.90	66	WSW	3	bc	29.88	- .15	60	59	- 3	NW	1	c	3	bc	68	55
	Lorient ...	29.97	67	W	5	0	29.88	- .18	66	66	+ 4	WSW	5	c	5	0	82	61
	Rochefort ...	30.02	71	W	3	b	29.98	- .13	68	63	+ 3	WSW	3	c	0	b	79	63
	Belfort ...	29.94	68	WSW	3	c	29.93	- .11	60	57	0	W	1	0	0	c	76	55
	Lyons ...	29.98	72	NE	1	0	30.01	- .07	65	60	+ 1	E	1	b	0	c	80	59
	Nice ...	29.87	72	SE	1	b	29.92	- .04	68	64	- 1	E	3	b	1	b	81	63
AZORES.	Perpignan ...	29.98	74	S	2	b	30.00	- .08	69	66	0	W	1	b	0	b	84	64
	Biarritz ...	30.01	72	N	4	0	29.98	- .06	68	63	+ 1	E	3	0	2	0	77	64
AZORES.	Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lisbon ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Azores (P. Delgada)																		

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 4.2 hrs.



# WEATHER CHARTS

FOR Friday, 1<sup>st</sup> September, 1899.

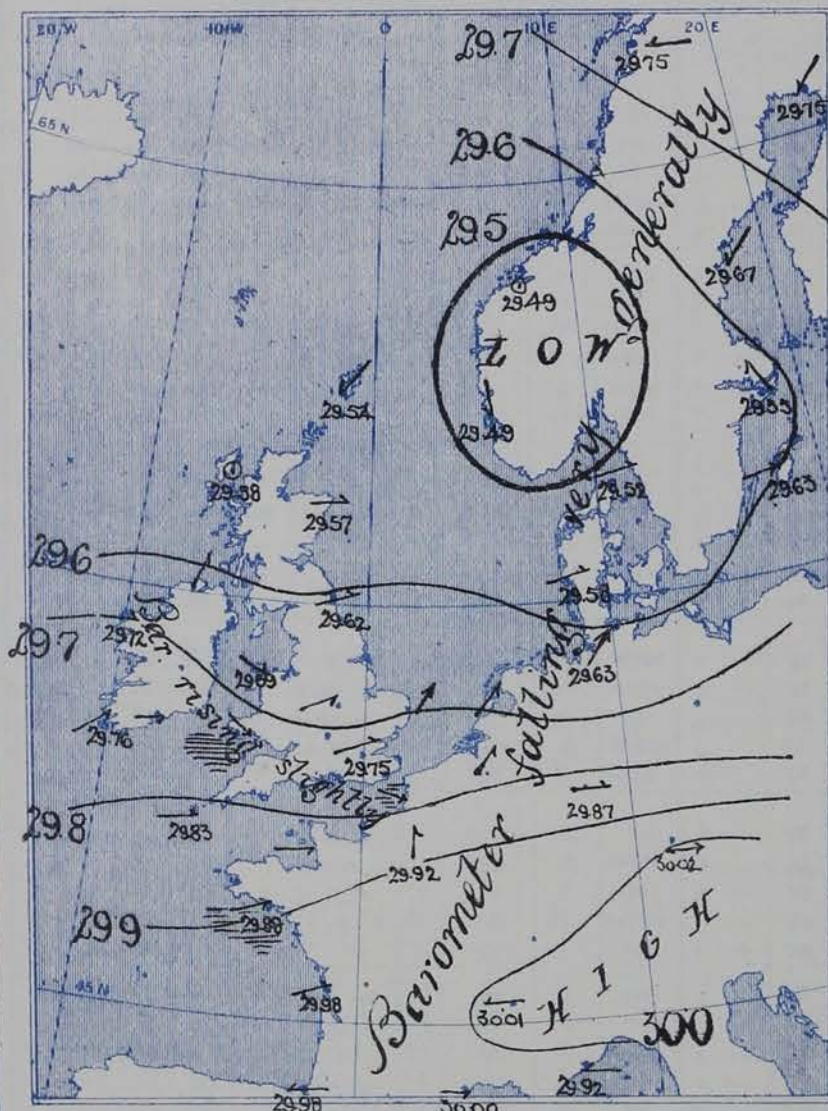
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ☉  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High

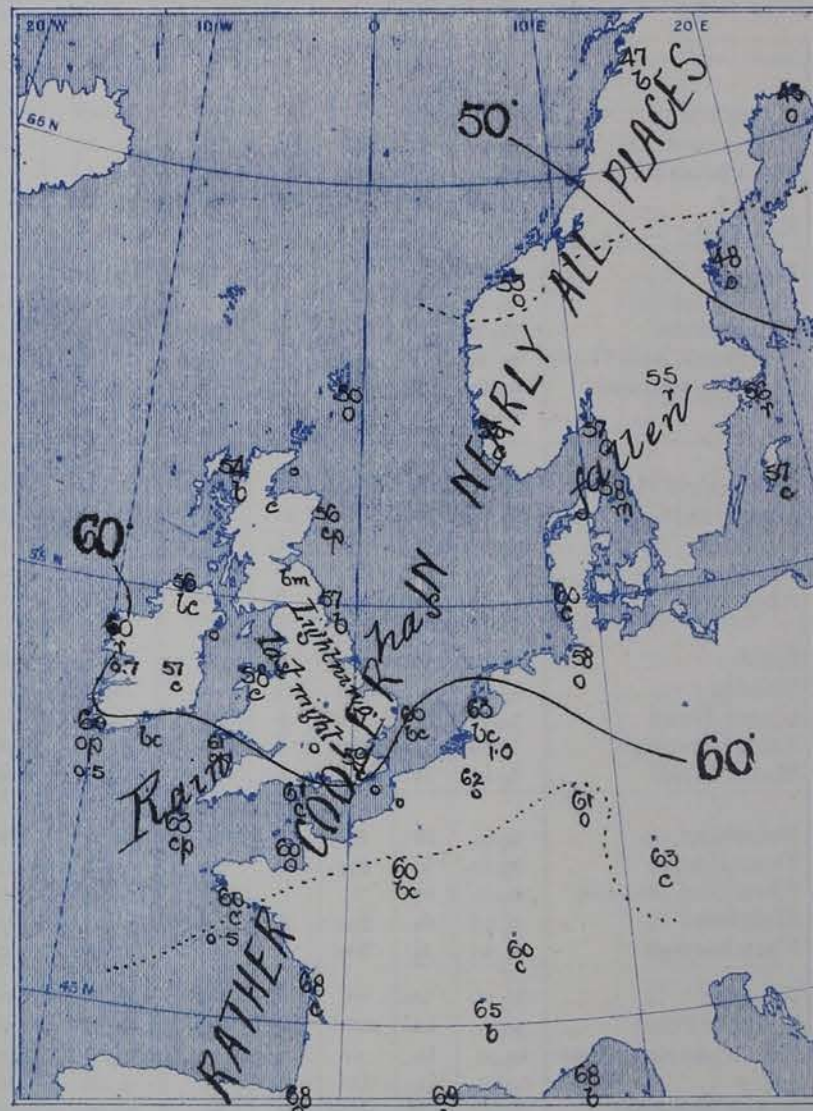


## TEMPERATURE AND WEATHER.

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.								RAINFALL Means, 1866-95.	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Years.	Minimum.	Years.			
	(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	76*	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 ins. to 30.0 ins. and upwards in an anticyclone lying over the greater part of the Bay of Biscay, France and S. Germany.  
 Lowest 29.5 ins. and less in a large shallow depression over the S. parts of Norway.  
 Gradients slight. Barometer rising a little at many of our W. and S. stations, but falling elsewhere.

### TEMPERATURE

Highest 69° at Perpignan, 68° at Rochefort, Biarritz and Nice, 66° at Lorient, 65° at Lyons, & 64° at Dungeness.  
 Lowest 43° at Haparanda, 47° at Rode, 48° at Hemsant, 50° at Sunninghill, & 53° at Christiansund.  
 During yesterday the thermometer rose to 65° and upwards in most parts of the United Kingdom, and to 71° in London. On the N.E. coasts of Scotland and at Belmullet it did not exceed 60°.

### WIND

Light to fresh from the W. or S.W. over western Europe as a whole, but calm in the N. of Scotland.  
 Light from the N. in the south of Norway, and from the N.E. over the Gulf of Bothnia.  
 Variable or E. in the south of France.

### WEATHER

Cloudy and unsettled over W. Europe generally, with passing showers at several of our own W. and N. stations, and with steady rain at Stockholm and Karlstad.  
 Fine on the E. coasts of England, and also in the extreme S. of France.  
 Rain or passing showers occurred yesterday in nearly all parts of NW. Europe, the largest amounts reported being 1.0 in. at the Helder, 0.7 in. at Belmullet, and 0.5 in. at Telencui (Ireland) and Brest. Lightning was seen last evening or night in many parts of England.

### SEA

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

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Small shallow depressions are still moving E. across our Islands, and changeable showery weather seems likely to continue for a time in most districts.

## FORECASTS

For the 24 hours ending at NOON on 2<sup>ND</sup> SEPTEMBER 1899.

### DISTRICTS.

### FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

W. to SW. winds, light, changeable, some showers.

W. to SW. winds, freshening, changeable, some showers, possibly thunder.

### DISTRICTS.

### FORECASTS.

- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH



Same as Nos 0 to 2.

Same as Nos 3 to 5.

SW. winds, freshening, cloudy, some rain.

### 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.		WIND.		WEA.	SEA.		BAR.	THER.		WIND.		WEA.	SEA.
		Dry.	Wet.	Dir.	Force.					Dry.	Wet.	Dir.	Force.		
Skudesnaes ...	29.62	62	58	ENE	4	0	2	Valencia ...	29.73	63	58	WSW	6	q	6
Sumburgh Head	29.59	55	55	NE	3	0	5	Scilly ...	29.84	68	64	SW	5	ca	4
Stornoway ...	29.60	66	59	NW	4	6c	4	Jersey ...	29.97	68	62	SSW	3	0	3
Aberdeen ...	29.61	57	55	WNW	3	op	2	Portland Bill ...	29.89	65	64	WSW	5	c	4
Shields ...	29.70	65	58	SW	2	c	2	Dungeness ...	29.89	67	67	WSW	6	c	5
Main Head ...	29.64	60	57	SSW	2	0	2	London							
Belmullet ...	29.65	58	56	SSW	2	0	*	(Westminster)	29.86	66	62	SW	3	0	*
Holyhead ...	29.72	65	61	SW	3	c	2	Yarmouth ...	29.87	69	59	SW	4	6c	3
								Rochefort ...	30.04	77	68	W	2	6c	*

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

*Weather in morning fair or fine over the greater part of England, and the W. and S. portions of the Continent, but rainy over N. Italy. Showery in Ireland, and rainy in the N. of Scotland; dull in many parts of N. Europe, with rain at Faerder and Helsingland. Rain or passing showers falling later in most of the NW. countries—heavily in places; lightning seen in evening or night at several of the English stations.*

*Temperature changed little and irregularly. Morning readings highest 83° at Athens, 79° at Barcelona, and 77° at Algiers, Patras and Constantinople; above 70° at most of the Mediterranean and Adriatic stations. Lowest 44° at Archangel, 45° at Uleaborg and Kuopio, and 46° at Haparanda; lowest in our Islands 54° at Sumburgh H. Thermometer rising during day to 65° and upwards in most parts of the United Kingdom, and to 71° in London; Exceeding 80° in the W. and S. of France, and reaching 84° at Perpignan.*

*Wind light from the SW. or W. over Gt. Britain, the Netherlands, Germany, Denmark and the south of Sweden, but E. or NE. over Norway and the northern parts of Sweden. Light from the S. or SE. in the west of Ireland. E. or SE. in the west and south of France, and NE. or N. over the Spanish Peninsula; variable in Italy; calm over Austria and the S. of Russia. Subsequently veering to the W. in Ireland; no important change occurring elsewhere.*

*Barometer highest 30.0 ins and upwards in an anticyclone embracing a considerable portion of S. Europe, but below it in a shallow depression over the Gulf of Genoa, and the neighbouring parts of France and Italy. Lowest 29.6 ins. and less in a shallow depression off the NE. of Scotland; 29.7 ins. and less in two other disturbances—one lying off the W. of Ireland, and the other over N. Russia. Depressions off our NE. and W. coasts subsequently moving E.*

### 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 2<sup>nd</sup> September, 1899.

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 8 <sup>30</sup> and M.S.L.	Dry Bulb	Dir.	Force (0 to 12.)	Weather		At 8 <sup>30</sup> Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb	Wet Bulb	Change since Yester- day.	Dir.	Force (0 to 12.)	Weather	Sea (0 to 9.)		Hours of Bright Sun- shine.	Max	Min.	Rainfall.
	Ins.	°					Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda ...	29.73	43	2	0	c	29.69	-0.06	45	42	+ 2	ENE	1	0	•	c	•	48	36	—
	Hernösand ...	29.62	48	NE	4	0	29.52	-0.15	48	47	+ 0	NE	4	0	•	c	•	50	43	0.28
	Stockholm ...	29.53	57	2	0	0	29.50	-0.05	57	55	+ 1	SSW	2	c	•	0	•	63	54	0.12
	Wisby ...	29.59	58	SW	4	0	29.58	-0.05	58	56	+ 1	WNW	4	0	•	0	•	63	52	—
	Karlstad ...	29.43	58	SSW	4	c	29.43	-0.08	58	56	+ 3	SSW	4	0	•	c	•	•	•	0.28
	Bodö ...	29.66	48	E	2	c	29.65	-0.10	48	42	+ 1	E	2	c	2	c	•	52	43	—
	Christiansund ...	29.43	53	NE	2	c	29.47	-0.02	50	48	- 3	NE	1	c	1	c	•	55	48	—
	Skudesnaes ...	29.54	57	NNW	2	0	29.53	+0.04	54	52	- 1	N	2	0	1	b.o	•	59	54	•
	Færder (X'ania Fjord)	29.44	60	WSW	1	0	29.43	-0.03	59	55	+ 2	NNW	1	0	3	0	•	61	55	—
	The Scaw (Skagen)	29.56	57	WSW	2	m	29.50	-0.02	58	54	0	NN	5	b	0	m	•	63	54	0.16
BRITISH ISLANDS.	Fanö ...	29.60	59	W	4	b	29.63	+0.05	59	56	- 1	W	4	c	•	b	•	66	57	0.32
	Sumburgh Head ...	29.55	53	NNE	1	c	29.55	+0.01	52	50	+ 2	NE	2	b	3	c	•	56	48	—
	Stornoway ...	29.56	60	S	3	0	29.53	-0.05	55	54	+ 1	WSW	2	c	2	c.o	6.9	65	47	—
	Wick ...	29.58	55	2	0	0	29.54	0.00	55	54	- 1	S	1	r	1	0	•	59	53	0.10
	Nairn ...	29.57	58	E	1	c	29.54	-0.03	56	54	- 2	WSW	1	c	1	c	•	66	48	—
	Aberdeen ...	29.59	56	W	1	org	29.57	0.00	55	54	- 1	W	1	og	1	c.org, p	0.5	64	49	0.60
	Leith ...	29.58	61	WSW	1	r	29.57	-0.02	56	55	- 3	WSW	1	rm	•	b,r	•	68	54	0.03
	Shields ...	29.62	64	SW	2	c	29.60	-0.02	58	56	+ 1	SW	2	c	2	c,r	•	69	54	0.03
	Spurn Head ...	29.66	62	W	3	c	29.63	0.00	60	56	+ 2	W	4	c	3	c,p	•	67	56	0.07
	Loughborough ...	29.71	64	W	1	c	29.70	+0.01	58	55	0	W	3	bew	•	b,c,bm	•	68	54	—
FRANCE & NETHERLANDS.	Malin Head ...	29.61	59	W	3	c	29.60	-0.01	55	54	- 1	W	4	op	3	b.c.p	•	61	54	0.29
	Belmullet ...	29.70	60	W	1	b.c	29.69	-0.03	59	56	- 1	WSW	1	b	•	c.b.c	•	63	52	0.01
	Donaghadee ...	29.65	61	SW	3	op	29.64	-0.02	52	53	- 1	WSW	3	b.c	3	op	•	66	50	0.04
	Liverpool (Bids-ton)	29.69	60	WSW	2	c	29.67	-0.01	58	55	0	SW	2	c	2	op	•	64	52	0.15
	Holyhead ...	29.69	60	SW	3	c	29.68	-0.01	58	56	0	WSW	3	c	2	bop,c	•	64	52	0.10
	Parsonstown ...	29.68	58	SW	1	0	29.70	-0.03	55	54	- 2	SE	1	•	•	op	3.9	65	50	0.16
	Valencia ...	29.72	61	W	2	op	29.73	-0.03	61	56	+ 1	W	3	b.c	4	bop,op	3.1	65	55	0.72
	Roche's Point ...	29.74	59	NW	2	b.c	29.75	-0.03	59	57	- 2	W	3	op	3	rg,b.c	•	64	54	0.08
	Pembroke (St. Ann's Hd.)	29.75	62	W	4	b.c	29.74	-0.03	61	59	0	WNW	4	b.c	4	b.c	6.2	62	58	0.03
	Scilly ...	29.80	62	WSW	3	op	29.79	-0.04	65	61	+ 2	WSW	3	op	3	c.op	3.2	68	58	0.02
GERMANY.	Jersey (St. Aubin's)	29.87	65	W	3	c	29.85	+0.01	65	62	+ 5	WSW	4	b.c	3	og,op	•	68	58	0.16
	Portland Bill ...	29.80	63	W	5	0	29.80	0.00	62	61	+ 1	WNW	4	c	4	0	•	66	57	—
	Dungeness ...	29.75	65	WSW	5	b.c	29.76	0.00	63	62	- 1	WSW	5	c	4	c.b.c	•	71	58	0.56
	London (Brixton)	29.73	67	WSW	3	b.c	29.75	0.00	60	53	+ 1	W	3	c	•	b.c.p	8.3	73	56	0.05
	Oxford ...	29.76	60	SW	3	c	29.74	0.00	59	57	+ 2	W	2	c	•	c,p	•	69	54	0.16
	Yarmouth ...	29.70	64	W	2	b.c	29.68	+0.02	61	57	+ 1	WSW	4	b	2	b.c	•	65	54	—
	Cuxhaven ...	29.67	61	W	3	c	29.69	+0.06	59	58	+ 1	SW	3	c	•	c	•	64	55	—
	Berlin ...	29.75	58	SW	2	b.c	29.78	0.00	58	50	—	SW	2	0	•	b.c	•	70	54	0.08
	Wiesbaden ...	•	•	•	•	•	29.84	-0.03	60	59	- 1	SW	2	r	•	•	•	72	57	40.63
	Munich ...	29.99	64	SW	1	b	29.99	-0.03	61	58	- 2	SW	3	c	•	b	•	73	54	—
SPAN. PEN.	The Helder ...	29.71	62	WSW	2	b.c	29.66	0.00	60	58	- 3	S	1	0	0	b.c	•	66	59	—
	Brussels ...	•	•	•	•	•	29.80	0.00	58	57	- 4	SW	4	0	•	b	•	69	55	0.16
	C. Gris Nez ...	29.80	64	W	5	b.c	29.78	0.00	60	57	- 3	W	5	0	5	b.c	•	68	57	0.12
	Paris ...	29.88	63	NNE	2	r	29.91	-0.01	59	57	- 1	SSW	2	b.c	•	r	•	75	59	0.16
	Brest ...	29.88	64	WSW	3	r	29.86	-0.02	63	60	+ 3	WSW	1	b	1	r	•	70	57	—
	Lorient ...	29.91	65	WNW	5	c	29.88	0.00	61	60	- 5	2	0	0	3	c	•	72	61	0.24
	Rochefort ...	29.96	72	WNW	4	b.c	29.94	-0.04	68	66	+ 0	SSW	3	c	•	b.c	•	79	64	—
	Belfort ...	29.91	67	WSW	3	b.c	•	•	62	57	+ 2	SW	3	c	•	b.c	•	74	54	—
	Lyons ...	29.95	76	NW	1	b	29.99	-0.02	65	60	0	E	1	b	•	b	•	84	59	—
	Nice ...	29.87	74	2	0	b	29.85	-0.07	70	62	+ 2	E	1	b	0	b	•	84	64	—
AZORES.	Perpignan ...	29.95	74	NNE	2	b	29.98	-0.02	68	66	- 1	SW	1	c	•	b	•	84	61	—
	Biarritz ...	29.97	73	NNE	3	b	29.98	0.00	68	64	0	SE	2	b.c	2	b	•	75	66	—
AZORES.	Corunna ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Lisbon ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Azores (P. Delgada)		30.08	74	SSW	3	c	30.01	-0.08	72	70	- 2	SSW	1	0	2	c	•	81	70	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 recorded on the Tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport 8.4 hrs.



# WEATHER CHARTS

FOR *Saturday, 2<sup>nd</sup> September, 1899.*

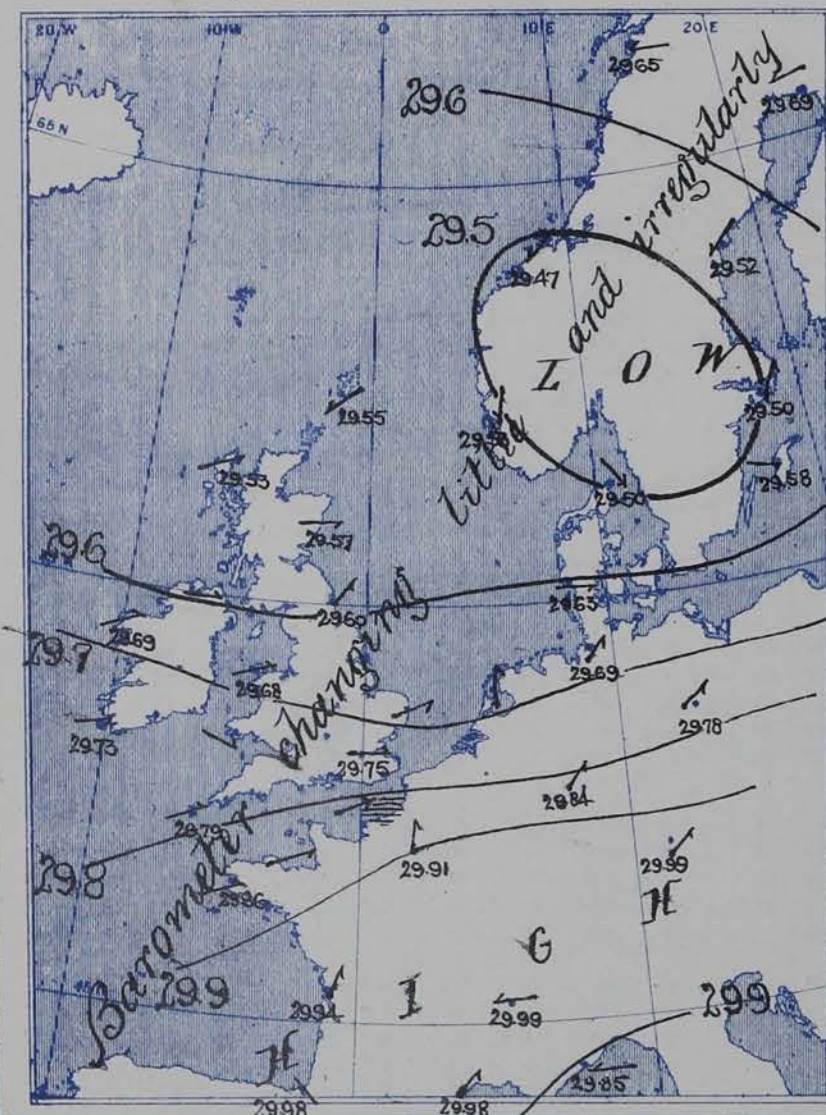
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ⊙  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High



## TEMPERATURE AND 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.								RAINFALL Means, 1866-95.	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Years.	Minimum.	Years.			
	(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	76*	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	40
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	51.2	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 ins. and upwards over the greater part of France, and also over the S.<sup>m</sup> parts of Germany and the Bay of Biscay.  
 Lowest 29.5 ins. and less in a large shallow depression lying over the S.<sup>m</sup> parts of Scandinavia.  
 Gradients slight. Barometer changing little and very irregularly.

### TEMPERATURE

Highest 70° at Nice, 68° at Rochefort, Biarritz and Perpignan, and 65° at Scilly, Jersey and Lyons.  
 Lowest 45° at Haparanda, 48° at Bodø and Hemsund, 50° at Christiansund, 52° at Sumburgh H., and 54° at Donaghadee.  
 During yesterday the thermometer rose to 65° and upwards in most parts of the United Kingdom, to 71° at Dungeness, and to 73° in London.

### WIND

SW. or W. over the greater part of western Europe, light or moderate in force generally, but fresh in the Straits of Dover.  
 E. or NE. over the northern parts of Scandinavia, and also in the Shetlands, variable in the S. of France.

### WEATHER

Cloudy and changeable over W.<sup>m</sup> Europe generally, with showers at several of our W.<sup>m</sup> stations, and with steady rain at Wick and Leith, as well as at Hemsund and Wiesbaden. Fine over the central and S.<sup>m</sup> parts of France.  
 Rain fell yesterday in nearly all parts of NW.<sup>m</sup> Europe, the largest amounts being 0.7 ins. at Valencia (Ireland), and 0.6 in. at Aberdeen and Dungeness.

### SEA

Rather rough at Cape Gris Nez, and moderate on most parts of our S. and SW. coasts, but slight or smooth elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general conditions remain unchanged. The depression over Scandinavia is almost stationary, but small secondary systems are moving from W. to E. across our Islands. There are at present no signs of any material alteration in the weather.

## FORECASTS

For the 24 hours ending at NOON on 3<sup>RD</sup> SEPTEMBER 1899.

#### DISTRICTS.

#### FORECASTS.

0	SCOTLAND NORTH	W. to SW. winds light, changeable, some showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No. 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	SW. and W. winds, moderate, changeable, some showers.
5	ENGLAND SOUTH	

#### DISTRICTS.

#### FORECASTS.

6	{ SCOTLAND WEST	Same as Nos 0 and 1.
7	{ ENGLAND N.W.	
8	{ ENGLAND S.W.	W. to SW <sup>ly</sup> winds, moderate or fresh, changeable, some rain.
9	{ IRELAND NORTH	
10	{ IRELAND SOUTH	None issued.
WARNINGS		

Note.—The South Cone, point downwards (A), 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 (A), 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.		WIND.		WEA.	SEA.		BAR.	THER.		WIND.		WEA.	SEA.
		Dry.	Wet.	Dir.	Force.					Dry.	Wet.	Dir.	Force.		
Skudesnaes ...	29.52	59	55	NW	4	b	2	Valencia ...	29.75	61	57	SW	3	bcp	4
Sumburgh Head	29.55	55	52	N	1	c	4	Scilly ...	29.83	68	62	WSW	3	c	3
Stornoway...	29.57	65	57	SW	2	c	2	Jersey ...	29.88	66	61	WSW	3	o	3
Aberdeen ...	29.58	63	56	NW	3	c	2	Portland Bill ...	29.83	65	63	W	4	o	4
Shields ...	29.62	67	60	SW	3	c	2	Dungeness ...	29.76	69	65	WSW	5	c	4
Malin Head ...	29.63	61	57	W	3	b	2	London							
Belmullet ...	29.71	63	59	W	1	c	*	(Westminster)	29.75	73	63	W	3	bcp	*
Holyhead ...	29.73	64	60	SW	3	bcp	2	Yarmouth ...	29.70	64	58	W	4	bcp	3
								Rocheport ...	29.98	76	66	WSW	3	bcp	*

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

Weather in morning cloudy and unsettled over W<sup>m</sup> and N<sup>m</sup> Europe generally, with passing showers at several of our own W<sup>m</sup> and N<sup>m</sup> stations, and steady rain at Stockholm and Karlstad. Fine on the E. coasts of England, and also over central France and S<sup>m</sup> Europe generally. Rain falling during day in nearly all parts of NW<sup>m</sup> Europe—rather heavily in places.

Temperature changed rather irregularly, but fallen slightly in most places. Morning readings highest 81° at Barcelona and Sfax, 80° at Athens and Patras, and 79° at Algiers; above 70° at most of the Mediterranean and Adriatic stations. Lowest 43° at Haparanda, 44° at Uleaborg, and 47° at Bodo and Kuopio; lowest in our Islands 50° at Sumburgh H<sup>t</sup>. Rising during day to 65° and upwards in most parts of the United Kingdom, and to 73° in London, exceeding 75° at several of the French stations, and reaching 84° at Lyons, Nice and Perpignan.

Wind light to fresh from the SW<sup>rd</sup> over western and central Europe generally, but calm in the north of Scotland; E<sup>ly</sup> or NE<sup>ly</sup> over the northern parts of Russia and Scandinavia; NW<sup>ly</sup> in the south of Norway. Light and variable over southern Europe generally, but N<sup>ly</sup> or NW<sup>ly</sup> in the western parts of the Spanish Peninsula. No important change occurring later.

Barometer highest 30.0 ins. and upwards in three areas, one lying over the NW. of Spain, another over Switzerland and its immediate neighbourhood, and a third over S<sup>m</sup> Italy, Tunis and the W<sup>m</sup> parts of the Mediterranean. Lowest 29.5 ins. and less in a shallow depression over the S<sup>m</sup> parts of Norway. Small secondary disturbances moving <sup>g</sup> across our Islands during day, but changes in pressure very slight.

### 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 3<sup>rd</sup> September, 1899.

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 82° and M.S.L.	Dry Bulb.	Dir.	Force (0 to 12.)	Weather	At 82° Fahr. and M.S.L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dir.	Force (0 to 12.)	Weather	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	Max.	Min.	Rainfall.
	Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hernösand...	29.51	49	2	0	0	29.56	+0.04	47	45	-1	N	2	0	0	0	50	43	0.63
	Stockholm...	29.52	59	SW	2	0	29.57	+0.07	57	55	0	2	0	0	0	0	66	52	-
	Wisby...	29.61	56	WSW	4	0	29.63	+0.05	58	57	0	WSW	4	0	0	0	64	52	-
	Karlstad...	29.48	57	SW	4	0	29.55	+0.12	54	53	-4	NNE	2	0	0	0	...	...	...
	Bodö...	29.62	48	E	2	0	29.59	-0.06	49	45	+1	E	2	0	0	0	52	45	-
	Christiansund...	29.53	50	NW	2	0	29.65	+0.18	50	46	0	W	5	0	0	0	54	46	0.24
	Skudesnaes...	29.61	55	N	4	0	29.76	+0.23	53	50	-1	WNW	2	0	0	0	59	50	-
	Færder (X'ania Fjord)	29.44	60	WSW	4	0	29.60	+0.17	55	51	-4	NNW	4	0	0	0	63	54	-
	The Scaw (Skagen)	29.54	57	WSW	2	0	29.60	+0.10	58	53	0	NNW	3	0	0	0	63	52	-
BRITISH ISLANDS.	Fanö...	29.61	57	N	2	0	29.78	+0.15	56	55	-3	NNW	4	0	0	0	66	52	0.08
	Sumburgh Head...	29.63	53	NE	1	0	29.77	+0.22	51	48	-1	NE	1	0	0	0	58	43	-
	Stornoway...	29.62	59	WNW	4	0	29.71	+0.18	57	55	+2	WSW	4	0	0	0	63	46	0.22
	Wick...	29.64	56	S	1	0	29.75	+0.21	57	54	+2	SW	1	0	0	0	62	52	0.10
	Nairn...	29.65	56	2	0	0	29.76	+0.22	56	54	0	2	0	0	0	0	68	48	0.28
	Aberdeen...	29.63	56	SE	2	0	29.80	+0.23	58	55	+3	SE	1	0	0	0	60	49	0.20
	Leith...	29.64	63	WSW	2	0	29.84	+0.27	58	55	+2	WSW	2	0	0	0	67	52	-
	Shields...	29.66	58	SW	2	0	29.88	+0.28	58	55	0	SW	2	0	0	0	65	49	0.04
	Spurn Head...	29.71	60	NNW	3	0	29.95	+0.32	60	57	0	WSW	4	0	0	0	66	54	0.01
	Loughborough...	29.76	60	W	2	0	29.99	+0.29	59	52	-5	ESE	1	0	0	0	66	45	0.01
FRANCE & NETHERLANDS.	Malin Head...	29.70	60	WNW	4	0	29.74	+0.14	59	59	+4	SW	5	0	0	0	61	54	0.06
	Belmullet...	29.80	61	WNW	1	0	29.84	+0.15	63	61	+4	WSW	4	0	0	0	64	58	0.06
	Donaghadee...	29.72	60	ESE	2	0	29.84	+0.20	56	55	+2	S	4	0	0	0	66	49	0.02
	Liverpool (Bidston)...	29.77	60	W	3	0	29.96	+0.29	60	56	+2	SW	2	0	0	0	62	54	-
	Holyhead...	29.77	60	WSW	3	0	29.94	+0.26	60	58	+2	WSW	2	0	0	0	64	55	0.01
	Parsonstown...	29.85	62	W	1	0	29.92	+0.22	60	58	+5	SE	1	0	0	0	66	54	-
	Valencia...	29.86	62	WSW	4	0	29.94	+0.21	63	61	+2	S	3	0	0	0	64	58	0.02
	Roche's Point...	29.84	63	WNW	3	0	29.98	+0.23	62	60	+3	SW	2	0	0	0	65	56	-
	Pembroke (St. Ann's Hd.)...	29.82	62	NW	4	0	30.02	+0.28	62	60	+1	WSW	4	0	0	0	88	57	0.06
	Scilly...	29.91	64	WNW	4	0	30.03	+0.24	66	62	+1	SWW	2	0	0	0	8.6	68	60
GERMANY.	Jersey (St. Aubin's)...	29.89	67	W	4	0	30.10	+0.25	65	60	0	W	4	0	0	0	70	56	-
	Portland Bill...	29.83	63	W	5	0	30.06	+0.26	63	62	+1	NW	2	0	0	0	67	56	0.35
	Dungeness...	29.79	60	W	5	0	30.02	+0.26	58	56	-5	NNW	1	0	0	0	70	50	0.23
	London (Brixton)...	29.79	61	WNW	3	0	30.04	+0.29	57	54	-3	WNW	1	0	0	0	72	48	0.05
	Oxford...	29.83	58	SW	3	0	30.03	+0.29	58	56	-1	SW	1	0	0	0	69	50	0.07
	Yarmouth...	29.70	62	WSW	2	0	29.97	+0.29	58	55	-3	WSW	2	0	0	0	67	50	-
	Cuxhaven...	29.65	59	SW	2	0	29.82	+0.13	58	55	-1	N	3	0	0	0	64	55	0.35
	Berlin...	29.76	57	WSW	2	0	29.80	+0.02	55	54	-3	WNW	5	0	0	0	66	54	0.43
	Wiesbaden...	...	...	...	...	...	30.03	+0.19	62	57	+2	W	4	0	0	0	68	55	0.12
	Munich...	30.03	57	W	4	0	30.08	+0.09	57	57	-4	SW	3	0	0	0	75	55	0.71
SPAN. PEN.	The Helder...	29.69	63	WSW	3	0	29.93	+0.27	63	59	+3	WNW	3	0	0	0	68	60	-
	Brussels...	...	...	...	...	...	30.04	+0.24	59	57	+1	WSW	2	0	0	0	69	52	0.04
	C. Gris Nez...	29.82	62	W	5	0	30.02	+0.24	61	58	+1	NE	1	0	0	0	66	57	0.47
	Paris...	29.84	68	SW	2	0	30.08	+0.17	61	58	+2	W	1	0	0	0	73	55	-
	Brest...	29.95	66	W	1	0	30.08	+0.22	60	58	-3	NW	1	0	0	0	70	55	-
	Lorient...	29.97	66	WNW	4	0	30.09	+0.21	61	59	0	N	1	0	0	0	73	59	-
	Rochefort...	29.97	72	WNW	4	0	30.04	+0.10	69	68	+1	NE	3	0	0	0	77	66	-
	Belfort...	29.94	60	WSW	2	0	30.07	?	60	59	-2	W	3	0	0	0	71	58	0.24
	Lyons...	29.93	76	WNW	1	0	30.10	+0.11	68	62	+3	N	1	0	0	0	86	63	-
	Nice...	29.93	69	SE	5	0	29.91	+0.06	78	64	+8	E	1	0	0	0	82	68	-
AZORES.	Perpignan...	29.98	73	W	1	0	30.07	+0.09	71	67	+3	Z	0	0	0	0	85	64	-
	Biarritz...	29.99	74	NNW	2	0	30.01	+0.03	65	63	-3	E	3	0	0	0	77	63	-
	Corunna...	...	...	...	...	...	29.98	+0.01	71	66	-1	N	3	0	0	0	84	66	-
	Lisbon...	29.97	68	NNW	5	0	...	...	...	...	...	...	...	...	...	...	...	...	...
	Azores (P. Delgada)...	29.92	74	S	4	0	29.74	-0.27	75	72	+3	S	5	0	0	0	79	72	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 recorded on the Tower of the Wesleyan Training College, Westminster

Bright Sunshine yesterday Southport 7.8 hrs.



# WEATHER CHARTS

FOR Sunday, 3<sup>rd</sup> September, 1899.

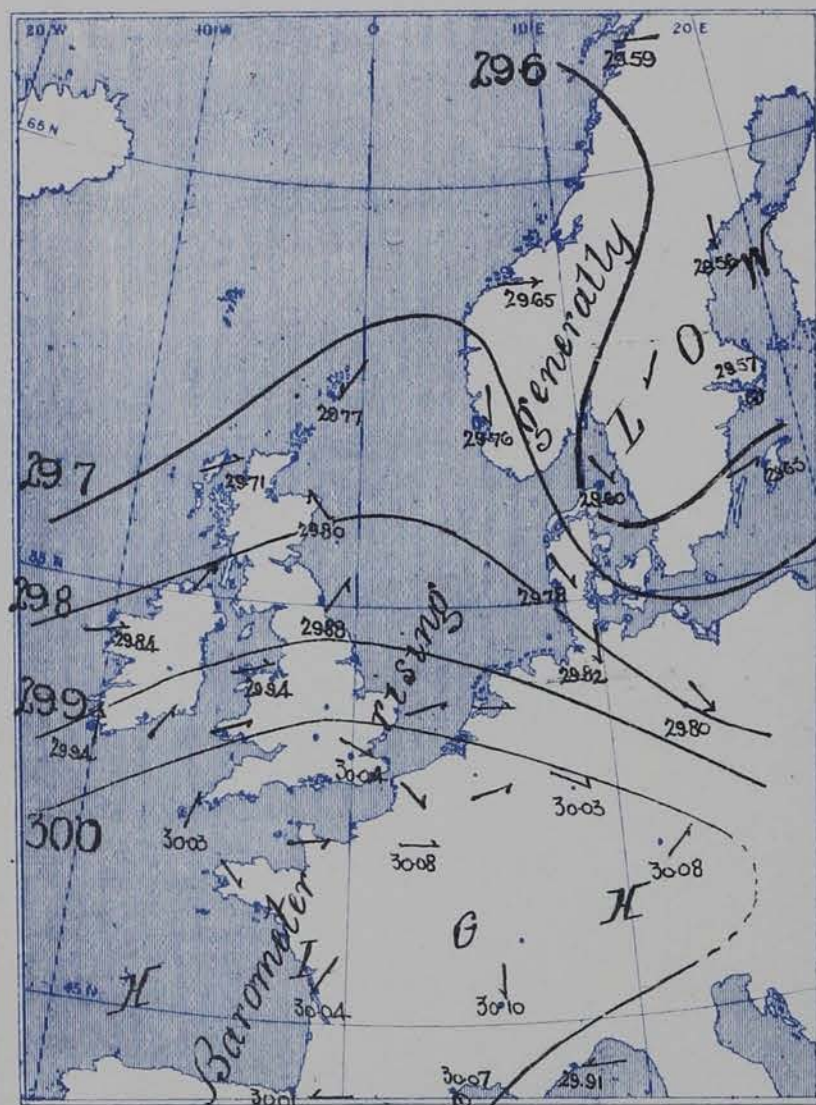
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ☉  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High



## TEMPERATURE AND 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.								RAINFALL Means, 1866-95.	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Years.	Minimum.	Years.			
	(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	76*	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	—	—
Farsonstown	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	51.2	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 in: and upwards in an anticyclone lying over the south of England, and the greater part of France, South Germany, and the Spanish Peninsula.  
 Lowest, 29.6 in: and less over Sweden.  
 Gradients slight.  
 Barometer rising generally, but falling in the northern parts of Scandinavia.

### TEMPERATURE

Highest, 78° at Nice, 71° at Perpignan and Lisbon, 69° at Rochefort, 66° at Seilly and 65° at Jersey.  
 Lowest, (1) 47° at Herford, 49° at Bonn, 50° at Christiansund and 51° at Edinburgh (1); (2) 53° at Loughborough, and 57° in London.  
 During yesterday the thermometer rose to 65° and upwards in many parts of the United Kingdom, to 70° at Jersey and Dungeness, and to 71° in London.

### WIND

Light to moderate from the SW<sup>2</sup> over the greater part of the United Kingdom, but S<sup>3</sup> at Valencia (Ireland), and NW<sup>1</sup> in the extreme south of England.  
 N<sup>3</sup> or NW<sup>3</sup> over Sweden, the south of Norway, Denmark, and North Germany; W<sup>3</sup> in the Netherlands, South Germany, and the east of France; E or NE<sup>3</sup> in the southwest of France.

### WEATHER

Fine over England and the western parts of the Continent generally, but dull at several of the Scandinavian stations.  
 Cloudy or dull in Ireland and Scotland, with rain at Leth and passing showers at Malin Head and Valencia (Ireland).  
 Showers fell yesterday in nearly all parts of the United Kingdom and heavy rain at some of the Continental stations, the largest amounts reported being 0.7 in: at Munich and 0.5 in: at Cape Fin May. Thunderstorms occurred over the eastern and central parts of England.

### SEA

Moderate on our southern coasts and also at Stromsund, but slight or smooth elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS

For the 24 hours ending at NOON on 4 SEPT: 1899.

#### DISTRICTS.

#### FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

NONE ISSUED

#### DISTRICTS.



#### FORECASTS.

- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH

#### WARNINGS

NONE ISSUED.

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.		WIND.		WEA.	SEA.		BAR.		THER.		WIND.		WEA.	SEA.
		Dry.	Wet.	Dir.	Force.						Dry.	Wet.	Dir.	Force.		
Skudesnaes ...	29.55	54	58	NNW	4	bc	2		Valencia ...	29.82	63	58	WSW	5	c	5
Sumburgh Head ...	29.59	50	53	NE	2	bc	3		Scilly ...	29.83	65	62	WSW	4	c	3
Stornoway ...	29.57	62	57	SW	3	o	3		Jersey ...	29.84	68	62	SW	4	bc	3
Aberdeen ...	29.60	56	55	SE	2	org	1		Portland Bill ...	29.83	63	63	W	4	op	4
Shields ...	29.64	58	56	NNW	2	cp	2		Dungeness ...	29.75	69	66	W	6	cq	5
Malin Head ...	29.66	61	57	WNW	4	b	2		London							
Belmullet ...	29.75	64	58	W	1	b	*		(Westminster)	29.74	70	58	W	3	c	*
Holyhead ...	29.73	63	59	WSW	3	bc	2		Yarmouth ...	29.69	65	59	WNW	3	c	3
									Rochefort ...	29.96	77	70	WNW	4	c	*

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

Weather in morning cloudy or dull over western, northern, and central Europe generally, with showers at several of our western stations, and steady rain at Wick and Leth, as well as at Hunsrück and Wiesbaden. Fine over all the more southern parts of the continent. Showers falling later over the United Kingdom generally, and considerable quantities of rain in some parts of France and Germany; thunderstorms occurring at several of the English stations.

Temperature changed little and irregularly. Morning readings highest 86° at Algiers, 81° at Barcelona, 80° at Trieste, and 79° at Sfax; above 70° in most parts of Southern Europe. Lowest 39° at Archangel, 45° at Haparanda, 47° at Uleaborg; lowest in our Islands 52° at Sumburgh Head. Rising during day to between 65° and 70° in most parts of the United Kingdom and to 72° in London. Exceeding 80° over the Spanish Peninsula and the south of France, and reaching 86° at Lyons.

Wind SW<sup>3</sup> or W<sup>3</sup> over the greater part of western and central Europe; light or moderate in force generally, but fresh in the Straits of Dover; light from the E<sup>nd</sup> or NE<sup>nd</sup> over the northern parts of Scandinavia. Variable over the southern countries generally, but N<sup>3</sup> or NE<sup>3</sup> over the Spanish Peninsula. Subsequently veering to the NW<sup>nd</sup> on some parts of our western coast; no important change occurring elsewhere.

Barometer highest 30.0 in. and upwards over the northwestern parts of Spain and also over Italy and southeastern Europe generally. Lowest 29.5 in. and less, in a large shallow depression over the southern parts of Scandinavia; small secondary systems moving eastwards across our Islands and the North Sea. Depressions, both main and secondary, moving away to the E<sup>nd</sup> during day and high pressure area beginning to spread over the south of our Islands from the southward.

### 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, 4<sup>th</sup> September,* 1899.  
 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 Sun- shine.	TEMP.		Rainfall.	
		At 8 <sup>30</sup> and M.S.L.	Dry Bulb	Direc.	Force (0 to 12.)	At 8 <sup>30</sup> Fahr. and M. S. L.	Change since Yester- day.		Dry Bulb	Wet Bulb	Change since Yester- day.	Direc.	Force (0 to 12.)	Max	Min.								
		Ins.	°					Ins.	Ins.	°	°	°									Ins.		
SCANDINAVIA.	Haparanda ...	29.66	53	S	2	0		29.69		48	47		SE	2	r	*	0	*	54	43	0.32		
	Hernösand ...	29.72	42	Z	0	b		29.84	+28	48	43	+1	N	2	b	*	b	*	52	39	0.12		
	Stockholm ...	29.80	50	Z	0	b		29.93	+36	50	48	-7	Z	0	b	*	b	*	59	48	0.35		
	Wisby ...	29.81	57	W	4	b		29.99	+36	55	52	-3	WNW	4	b	*	b	*	61	54	-		
	Karlstad ...	29.82	51	NW	2	b		29.93	+38	47	45	-7	NW	2	b	*	b	*	*	*	-		
	Bodö ...	29.68	49	Z	0	b		29.78	+19	47	45	-2	SSW	3	b	3	b	*	52	41	-		
	Christiansund ...	29.81	48	WNW	5	r		29.96	+31	50	45	0	SSW	4	r	2	r	*	52	46	0.51		
	Skudesnaes ...	29.93	55	Z	0	0		30.00	+24	55	51	+2	SE	4	c	2	c. o	*	57	50	-		
	Færder (X'iania Fjord)	29.83	60	WNW	4	b		29.98	+38	53	46	-2	NW	2	bc	2	b	*	61	52	-		
	The Scaw (Skagen)	29.88	57	NW	4	b		30.01	+41	58	53	0	NW	3	bc	0	b	*	61	54	-		
BRITISH ISLANDS.	Fanö ...	30.03	59	W	2	c		30.07	+29	61	60	+5	W	4	0	*	c	*	64	55	-		
	Sumburgh Head ...	29.81	54	ESE	1	c		29.85	+08	55	55	+4	SW	1	0	3	c	*	56	50	0.03		
	Stornoway ...	29.75	60	W	4	bc		29.72	+01	58	57	+1	S	4	r	4	bc	1.1	62	53	0.05		
	Wick ...	29.80	59	S	1	0		29.82	+07	60	58	+3	S	2	0	1	0	*	62	54	-		
	Nairn ...	29.81	61	W	1	c		29.79	+03	61	60	+5	Z	0	c	0	c	*	64	56	0.04		
	Aberdeen ...	29.84	57	SSW	3	bc		29.89	+09	64	60	+6	S	4	cq	2	p. bc	1.5	64	56	0.02		
	Leith ...	29.85	62	WNW	2	0		29.91	+07	63	59	+5	SSW	1	0	*	0	*	65	55	0.03		
	Shields ...	29.93	65	SW	2	0		29.99	+11	60	59	+2	SSW	2	0	2	c	*	66	55	-		
	Spurn Head ...	30.02	65	W	3	bc		30.07	+12	65	61	+5	SSE	2	b	2	bc	*	73	57	-		
	Loughborough ...	30.05	66	WNW	1	c		30.09	+10	58	56	+5	ESE	1	bw	*	bc. dm	*	75	51	-		
FRANCE & NETHERLANDS.	Malin Head ...	29.85	62	W	4	0		29.72	-02	61	59	+2	S	6	b	4	0	*	64	59	0.01		
	Belmullet ...	29.93	64	SW	3	bc		29.68	-16	66	62	+3	S	4	bc	*	c. bc	*	66	61	0.02		
	Donaghadee ...	29.91	69	SSW	2	b		29.90	+06	61	60	+5	S	2	0	3	b	*	70	55	-		
	Liverpool (Bidston)	29.99	65	SSW	2	bc		30.01	+05	61	58	+1	SE	2	b	2	bc	*	68	54	-		
	Holyhead ...	30.00	63	SW	4	b		29.97	+03	63	60	+3	SSW	3	b	2	b	*	66	58	-		
	Parsonstown ...	29.93	68	SW	1	c		29.85	-07	63	60	+3	SE	1	0	*	c	6.5	71	58	-		
	Valencia ...	29.94	64	S	4	c		29.99	-15	65	63	+2	S	5	c	4	c	6.8	68	62	0.04		
	Roche's Point ...	30.01	63	SW	3	bc		29.89	-09	63	61	+1	SSW	4	c	4	bc	*	67	60	-		
	Pembroke (St. Ann's Hd.)	30.06	64	WNW	4	b		29.97	-05	63	60	+1	SSE	4	b	4	b	10.4	67	57	-		
	Scilly ...	30.10	66	S	3	bc		29.94	-09	67	64	+1	S	3	bc	1	bc	11.9	68	62	-		
GERMANY.	Jersey (St. Aubin's)	30.12	68	SSW	2	b		30.04	-06	69	63	+4	E	3	b	3	bc. bw	*	72	60	-		
	Portland Bill ...	30.11	64	SW	2	b		30.05	-01	66	64	+3	SSE	4	b	3	b	*	68	55	-		
	Dungeness ...	30.09	65	SW	4	b		30.11	+09	65	63	+7	SSE	3	bw	2	b	*	70	58	-		
	London (Brixton)	30.07	70	SW	1	bc		30.10	+06	61	59	+4	SSE	1	b	*	b. bc	10.9	77	50	-		
	Oxford ...	30.11	63	SW	1	b		30.09	+06	57	56	-1	SSE	1	cw	*	bc. b. f	*	73	53	-		
	Yarmouth ...	30.04	71	SW	3	bcm		30.10	+13	65	61	+7	S	3	b	3	bcm	*	72	55	-		
	Cuxhaven ...	30.03	61	W	1	0		30.12	+30	60	59	+2	W	3	bc	*	0	*	64	57	0.08		
	Berlin ...	30.06	59	WNW	3	b		30.20	+40	59	55	+4	W	3	0	*	b	*	66	54	0.04		
	Wiesbaden ...	30.25	*	*	*	*		30.25	+22	57	54	-5	SW	2	b	*	*	*	72	50	-		
	Munich ...	30.26	59	SW	2	bc		30.32	+24	55	54	-2	SE	3	b	*	bc	*	68	48	-		
SPAIN.	The Helder ...	30.09	63	WNW	2	b		30.13	+20	65	62	+2	SSW	1	b	1	b	*	66	54	-		
	Brussels ...	30.19	*	*	*	*		30.19	+15	63	58	+4	SSE	1	b	*	b	*	73	54	-		
	C. Gris Nez ...	30.12	64	SW	1	b		30.12	+10	60	56	-1	SSE	1	b	1	b	*	68	55	-		
	Paris ...	30.14	69	NE	1	bc		30.14	+06	59	56	-2	E	1	b	*	bc	*	73	53	-		
	Brest ...	30.09	68	W	1	b		29.99	-09	62	59	+2	E	1	b	0	b	*	72	55	-		
	Lorient ...	30.08	71	W	1	b		30.00	-09	64	61	+3	E	4	b	*	b	*	75	61	-		
	Rocheport ...	30.06	73	NW	2	b		30.00	-04	66	63	-3	ESE	3	b	*	b	*	81	64	-		
	Belfort ...	30.10	69	WNW	2	b		30.17	+10	58	55	-2	ESE	4	W	*	b	*	77	52	-		
	Lyons ...	30.09	73	NNE	1	b		30.14	+04	64	63	-4	NE	1	b	*	b	*	81	58	-		
	Nice ...	29.98	82	Z	0	b		30.01	+10	74	65	-4	Z	0	b	1	b	*	86	64	-		
PEN.	Perpignan ...	30.04	75	Z	0	0		30.07	+00	70	?	-1	Z	0	b	*	0	*	91	61	-		
	Biarritz ...	29.95	81	E	3	b		29.92	-09	72	68	+7	SE	4	c	2	b	*	82	65	-		
Azores (P. Delgada)		30.02	77	+	2	b		29.97	-01	73	66	+2	NE	3	b	*	b	*	84	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 recorded on the Tower of the Wesleyan Training College, Westminster

Bright Sunshine yesterday Southport 3.7 hrs.



# WEATHER CHARTS

FOR *Monday 4<sup>th</sup> September, 1899.*

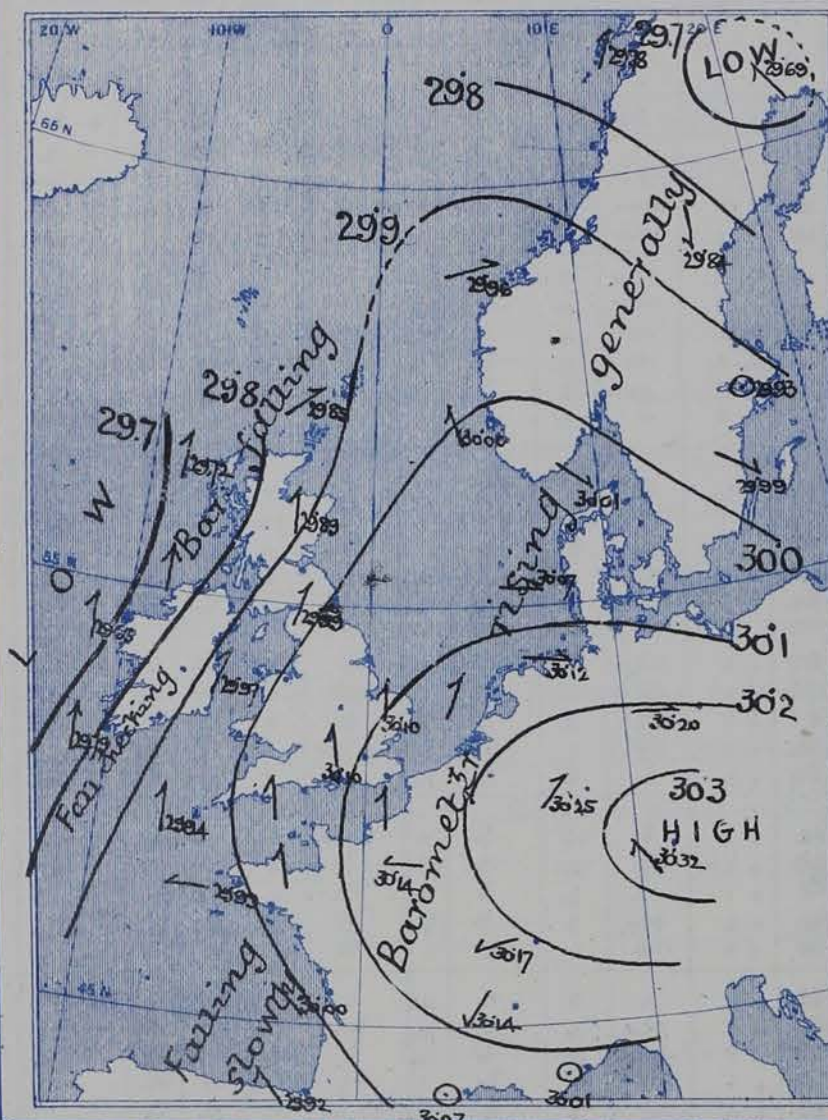
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ☉  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High

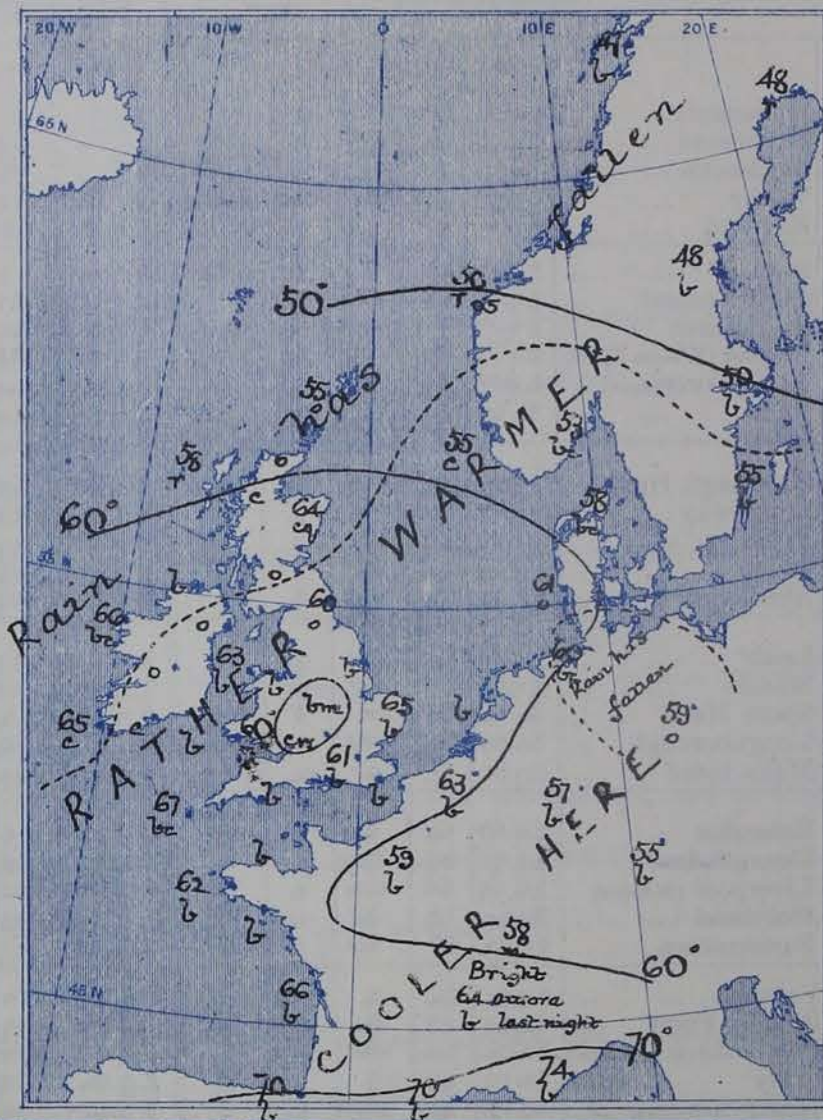


## TEMPERATURE AND WEATHER.

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. <i>(Inches.)</i>	TEMPERATURE OF AIR. 1871-95.								RAINFALL Means, 1866-95. <i>(Inches.)</i>	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum. °	Years.	Minimum. °	Years.			
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	76*	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	—	—
Farsonstown	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, 30.3 ins: and upwards, over South Germany; 30.0 ins: and upwards in an anticyclone extending from Central Europe over Denmark the greater part of England and the North Sea.  
 Lowest, 29.7 ins: and less, in a depression lying off our extreme western coast.  
 Gradients slight generally, but rather steep over Ireland.  
 Barometer falling in all the more western and southern parts of the United Kingdom and also in the coast of France, but rising elsewhere.

### TEMPERATURE

Highest, 74° at Nice, 72° at Biarritz, 70° at Perpignan, 69° at Jersey, 67° at Seilly, and 66° at Bismmulet, Portland Bill, & Rockport.  
 Lowest, 47° at Bodo and Karlsbad, and 48° at Haparanda and Honningsvåg; lowest in our Islands 55° at Lumbury Head.  
 During yesterday the thermometer rose to 70° and upwards in many parts of England and Ireland, to 75° at Loughborough and to 77° in London.

### WIND

Light from the E<sup>W</sup> over the greater part of France (but calm in the extreme south) and from the SE<sup>W</sup> over England.  
 S<sup>W</sup> in Ireland and Scotland, and fresh or strong in force in the extreme west. SW<sup>W</sup> in the west of Norway; W<sup>W</sup> or NW<sup>W</sup> over Sweden, Denmark and North Germany.

### WEATHER

Fine and bright over England and the western part of the Continent as a whole.  
 Cloudy or dull at many of the Irish and Scotch stations, as well as in the west of Norway with rain at Tromsø. Rain was also falling at Haparanda.  
 Light showers fell yesterday at several of our western and extreme northern stations, and larger quantities of rain in the northern parts of Scandinavia. A solar halo was seen yesterday at Tromsø and an Aurora at Lyons.

### SEA

Moderate to smooth.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone which spread over our southern districts yesterday is moving away to the eastward, and a depression of considerable size and depth has appeared off our extreme western coast. The disturbance is likely to move northwards, but will spread in sufficiently to occasion unsettled weather in most of our western and northern districts.

## FORECASTS

For the 24 hours ending at NOON on 5<sup>TH</sup> SEPT: 1899.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	S <sup>W</sup> winds, freshening; cloudy, some rain
1	SCOTLAND EAST	
2	ENGLAND N.E.	S <sup>W</sup> winds, light or moderate; fair generally.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	SE <sup>W</sup> winds, light; fine, warm.
5	ENGLAND SOUTH	



### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Same as Nos 0 and 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	S <sup>W</sup> winds, freshening; fair at first, cloudy later, possibly some rain.
9	IRELAND NORTH	
10	IRELAND SOUTH	S <sup>W</sup> to SW <sup>W</sup> winds, fresh or strong; cloudy, some rain.

### 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.		WIND.		WEA.		SEA.			BAR.	THER.	WIND.	WEA.	SEA.
		Dry.	Wet.	Dir.	Force.							Dry.	Wet.	Dir.	Force.
Skudesnaes ...	29.88	57	51	Dir.	4	c	2			Valencia ...					
Sumburgh Head										Scilly ...					
Stornoway ...	29.69	57	56	SSW	5	T	5			Jersey ...	30.13	70	61	SW	3
Aberdeen ...										Portland Bill ...					
Shields ...										Dungeness	29.08	67	65	SW	4
Malin Head ...	29.85	68	61	rr	5	0	3			London					
Belmullet ...	29.90	66	61	rrsw	4	c	*			(Westminster)					
Holyhead ...										Yarmouth ...					
										Rochefort ...	30.08	77	70	NE	1

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

*Continental Information not received.*

### SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 27<sup>th</sup> AUG. TO THE 2<sup>nd</sup> SEPT 1899

At the beginning of the week barometrical pressure was high over Scandinavia and also over Southern Europe, the weather in our Islands being influenced partly by a depression which skirted the northwest of Scotland, and partly by a secondary disturbance which was formed over England on Aug 27<sup>th</sup> and which subsequently moved away to Denmark and the Baltic. Rain consequently fell in nearly all parts of the United Kingdom and thunderstorms occurred at several western stations. Over Russia the weather was still affected by the depression noticed at the close of the previous week; the system, however, gradually filled up.

On Aug. 28<sup>th</sup> the high pressure area over northern Europe broke up, while a new depression appeared off our own northwest coast. For some time the latter system remained almost stationary, but on the 30<sup>th</sup> and 31<sup>st</sup> it travelled very slowly in an easterly direction across Scotland and the North Sea, while for the remainder of the week it hung almost motionless over the southern parts of Scandinavia. During its progress and after the disturbance had passed away from our area the weather over western Europe was affected by numerous secondary systems moving from N to E across our Islands and the North Sea. These caused showers in all districts and occasional thunderstorms, the amount of rain being large at some of our western and northern stations. At the close of the week the barometer was rising slowly, but steadily, over Northern Europe, and the southern high pressure system was beginning to spread northwards over our own southern districts.

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

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

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

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

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" Weekly " " £1 10 0 "



# DAILY WEATHER REPORT

for 8 a.m. on Tuesday 5<sup>th</sup> September, 1899.  
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.		Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.			
		At 82° and M.S.L.	Dry Bulb	Direc.	Force (0 to 12.)	At 82° Fahr. and M. S. L.	Change since Yester- day.		Dry Bulb	Wet Bulb	Change since Yester- day.	Direc.	Force (0 to 12.)	Max	Min.				Rainfall.			
Ins.		°				Ins.		Ins.		°		°								Ins.		
SCANDINAVIA.	Haparanda ...	29.85	50	Z	0	0	30.00	+ .31	46	43	- 2	NE	2	c	0	0	54	45	0.16			
	Hernösand ...	29.95	48	W	2	b	30.00	+ .16	45	43	- 3	Z	0	b	0	0	59	37	-			
	Stockholm ...	30.02	53	Z	0	b	30.04	+ .11	53	50	+ 3	Z	0	0	0	0	59	46	0.04			
	Wisby ...	30.05	53	W	4	b	30.08	+ .09	56	54	+ 1	W	2	0	0	0	61	52	-			
	Karlstad ...	30.03	54	SW	2	b	30.02	+ .09	57	55	+ 10	S	2	0	0	0	0	0	-			
	Bodö ...	29.97	47	SW	4	0	29.94	+ .16	47	44	0	ENE	2	b	0	0	50	43	-			
	Christiansund ...	29.95	49	WNW	1	r	29.64	- .32	53	50	+ 3	SE	4	r	2	0	54	48	0.55			
	Skudesnaes ...	29.94	60	SSE	4	0	29.80	- .10	60	59	+ 5	SSW	6	0	4	0	61	52	-			
	Færder (X'iania Fjord)	29.95	62	SW	4	0	29.91	- .07	61	59	+ 8	SSW	4	m	2	0	63	53	-			
	The Scaw (Skagen)	30.07	58	WSW	1	c	29.99	- .02	57	55	- 1	WSW	3	b	0	0	61	52	-			
BRITISH ISLANDS.	Fanö ...	30.11	62	W	2	b	30.01	- .06	61	60	0	SSW	4	b	0	0	70	59	-			
	Sumburgh Head ...	29.63	57	SE	3	0	29.59	- .26	54	53	- 1	WSW	3	c	4	0	58	49	0.17			
	Stornoway ...	29.52	62	SSW	7	r	29.65	- .07	57	54	- 1	W	3	b	3	0	62	51	0.49			
	Wick ...	29.63	60	S	2	c	29.68	- .14	59	54	- 1	S	2	bc	2	0	67	53	0.07			
	Nairn ...	29.66	66	SW	1	0	29.72	- .07	56	55	- 5	Z	0	b	1	0	72	52	0.13			
	Aberdeen ...	29.76	60	S	3	bc	29.74	- .15	56	55	- 8	NW	1	org	2	bc, bc	6.9	68	56	0.06		
	Leith ...	29.79	65	W	2	b	29.76	- .15	60	59	- 3	WSW	1	r	0	0	73	59	0.01			
	Shields ...	29.86	71	SSW	2	cm	29.81	- .18	68	65	+ 8	SSW	2	cm	2	bc, cm	0	74	59	-		
	Spurn Head ...	29.93	65	SSE	4	b	29.89	- .18	66	62	+ 1	SSE	3	b	3	0	76	59	-			
	Loughborough ...	29.94	76	SSW	2	b	29.90	- .19	63	59	+ 5	SE	1	cm	0	bc, bc, c	0	80	55	-		
FRANCE & NETHERLANDS.	Malin Head ...	29.62	68	ENE	5	0	29.80	+ .08	57	54	- 4	WNW	3	bc	2	bc, 0	0	70	54	0.25		
	Belmullet ...	29.69	65	WSW	5	op	29.87	+ .19	59	55	- 7	NW	1	b	0	bc, op	0	69	60	0.19		
	Donaghadee ...	29.79	65	SSW	5	bcg	29.83	- .07	56	55	- 5	NNE	3	omr	3	0	67	55	0.05			
	Liverpool (Bidston) ...	29.88	73	Z	0	c	29.86	- .15	65	61	+ 4	SE	2	bc	0	0	75	60	-			
	Holyhead ...	29.88	64	SW	4	b	29.85	- .12	64	62	+ 1	WSW	2	c	1	bc	0	68	60	-		
	Parsonstown ...	29.78	68	SW	1	0	29.86	+ .01	57	56	- 6	NW	1	od	0	bcg, 0	6.0	71	57	-		
	Valencia ...	29.77	65	SSE	3	rm	29.85	+ .06	64	62	- 1	NW	1	0	3	og, rm	2.8	68	61	0.09		
	Roche's Point ...	29.83	63	SSW	4	0	29.85	- .04	64	62	+ 1	SSE	2	c	3	0	67	60	-			
	Pembroke (St. Ann's Hd.)	29.90	65	S	3	b	29.86	- .11	65	63	+ 2	W	2	og	2	bc	11.7	67	61	-		
	Scilly ...	29.90	66	SE	3	bc	29.86	- .08	69	67	+ 2	ESE	1	f	1	bc	11.0	73	64	-		
GERMANY.	Jersey (St. Aubin's) ...	29.95	76	ESE	2	bc	29.93	- .11	73	67	+ 4	SW	2	b	2	b, bc	0	78	66	-		
	Portland Bill ...	29.98	66	ESE	3	bc	29.91	- .14	65	65	- 1	SSW	1	c	1	bc	0	70	60	-		
	Dungeness ...	30.01	67	ENE	2	b	29.94	- .17	69	67	+ 4	SE	2	c	1	bc	0	73	64	-		
	London (Brixton) ...	29.99	73	SE	3	b	29.93	- .17	67	64	+ 6	S	1	cm	0	bc	11.3	82	58	-		
	Oxford ...	29.98	68	SE	2	b	29.91	- .18	67	62	+ 10	S	1	0	0	bc, c	0	78	56	-		
	Yarmouth ...	30.00	67	SSE	4	b	29.93	- .17	67	65	+ 2	SSE	1	b	2	bc, c	0	68	60	-		
	Cuxhaven ...	30.13	64	Z	0	b	30.03	- .09	58	55	- 2	S	2	b	0	bc	0	68	54	-		
	Berlin ...	30.19	64	W	1	b	30.14	- .06	58	55	- 1	SSE	3	b	0	bc	0	72	54	-		
	Wiesbaden ...	30.10	60	SE	1	b	30.10	- .15	60	57	+ 3	NE	1	b	0	bc	0	73	52	-		
	Munich ...	30.26	57	SE	1	b	30.23	- .09	58	56	+ 3	SE	2	b	0	bc	0	72	48	-		
SPAIN.	The Helder ...	30.04	66	Z	0	b	29.96	- .17	68	63	+ 3	S	1	b	1	bc	0	70	54	-		
	Brussels ...	30.01	69	SE	1	b	30.01	- .18	69	62	+ 6	S	1	b	1	bc	0	79	59	-		
	C. Gris Nez ...	30.07	73	SE	1	b	29.97	- .15	73	65	+ 13	S	2	b	1	bc	0	77	64	-		
	Paris ...	30.03	76	E	2	b	30.05	- .09	65	61	+ 6	SE	1	bc	0	bc	0	84	58	-		
	Brest ...	30.03	72	SE	1	bc	29.94	- .05	67	64	+ 5	S	1	c	1	bc	0	79	59	-		
	Lorient ...	29.91	72	S	2	0	29.93	- .07	68	68	+ 4	Z	0	m	2	c	0	84	64	-		
	Rochefort ...	29.94	79	WSW	1	0	29.96	- .04	71	55	+ 5	SE	2	b	0	bc, 0	0	97	64	-		
	Belfort ...	30.04	73	NE	2	b	30.10	- .07	64	60	+ 6	NNE	1	b	0	bc	0	79	58	-		
	Lyons ...	30.04	80	S	1	b	30.10	- .04	73	66	+ 9	SE	1	b	0	bc	0	88	64	-		
	Nice ...	30.10	77	Z	0	b	30.08	+ .07	74	68	0	Z	0	b	0	bc	0	86	66	-		
AZORES.	Perpignan ...	30.02	77	E	2	b	30.12	+ .05	70	67	0	Z	0	b	0	bc	0	89	64	-		
	Biarritz ...	29.93	77	Z	0	c	29.93	+ .01	81	67	+ 9	S	5	c	1	c, Z	0	88	70	-		
PEN.	Corunna ...	30.05	70	SW	4	bc	30.10	+ .13	71	68	- 2	NW	2	0	0	bc	0	81	68	0.04		
	Lisbon ...	30.22	68	N	3	bc	30.28	+ .06	75	71	+ 7	NE	3	c	3	bc	0	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 recorded on the Tower of the Wesleyan Training College, Westminster

Bright Sunshine yesterday Southport 11.4 hrs.



# WEATHER CHARTS

FOR Tuesday, 5<sup>th</sup> September, 1899.

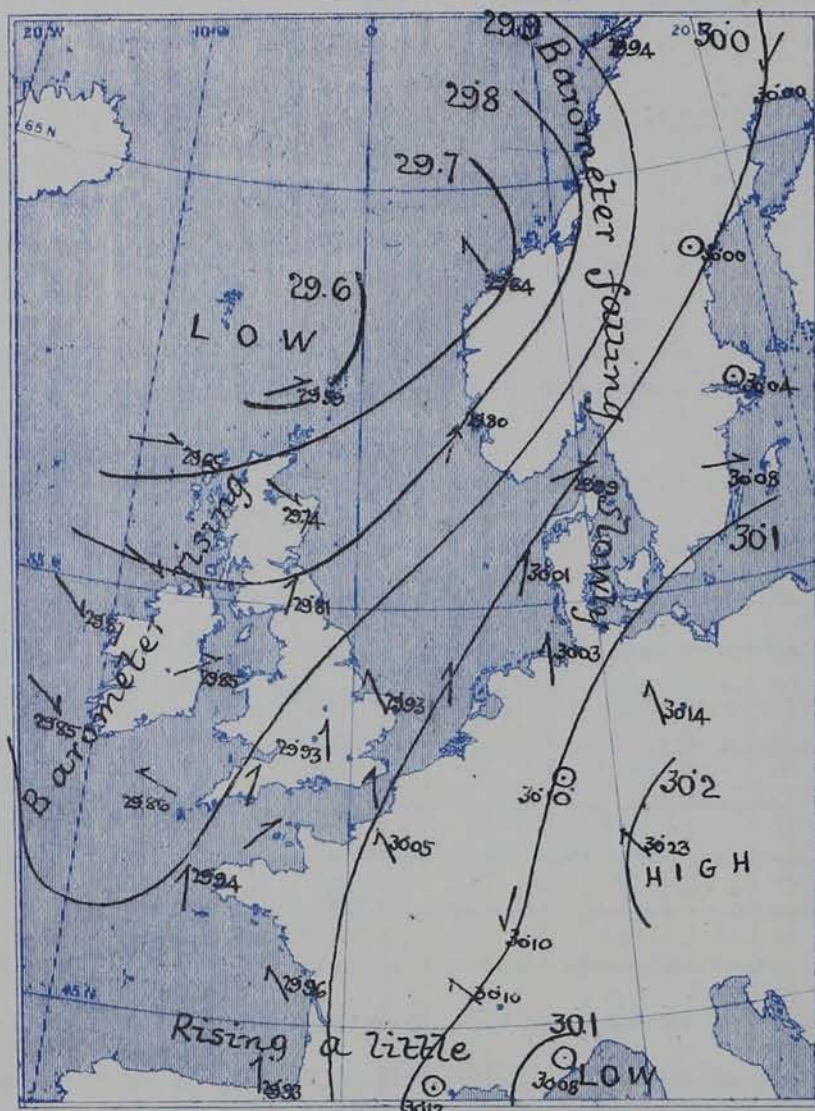
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ⊙  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High :

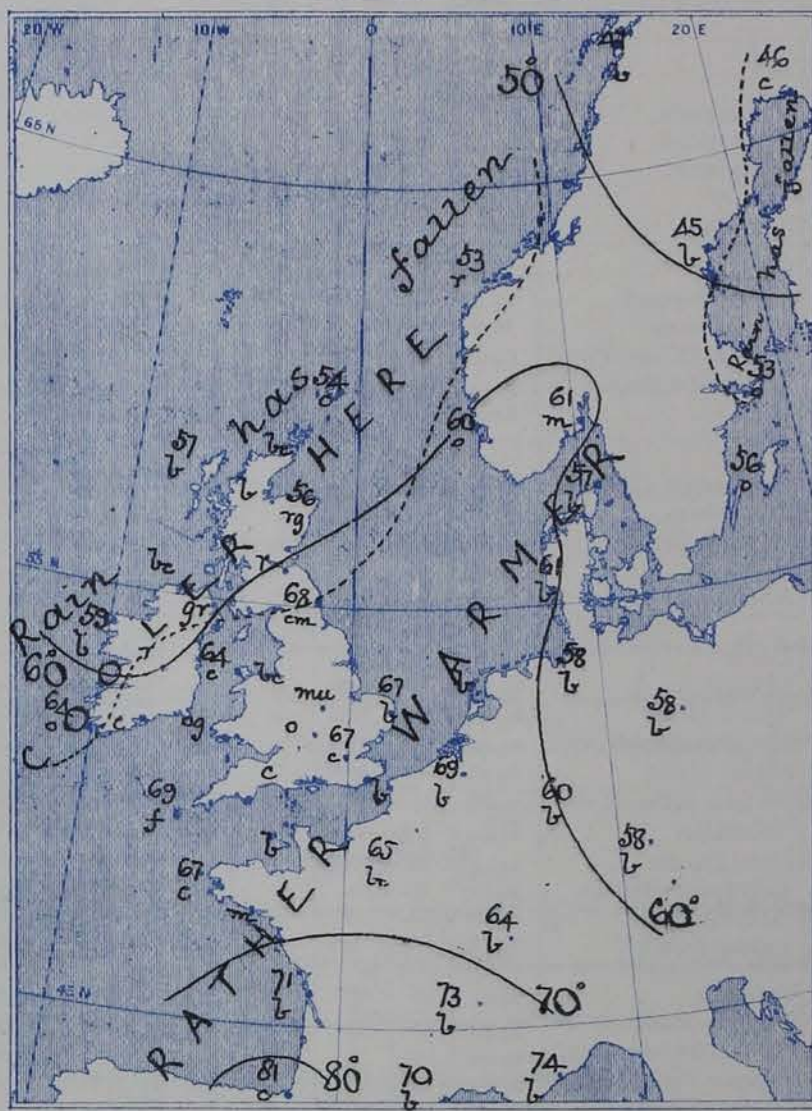


## TEMPERATURE AND WEATHER.

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.								RAINFALL Means, 1866-95.	BRIGHT SUNSHINE. Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Years.	Minimum.	Years.			
	(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	76*	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	—	—
Farsonstown	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	51.2	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. to 30.2 ins. and upwards in an anticyclone lying over nearly the whole of Germany, the Baltic and the E. and S. of France, and also in another system off the Portuguese coast. Lowest 29.6 ins. and less in a depression lying to the N. of the Shetlands, 29.9 ins. and less in a "V shaped" secondary system over the W. parts of our Islands. Gradients slight. Barometer falling in Norway, Denmark and Germany, but rising elsewhere.

### TEMPERATURE

Highest 81° at Biarritz, 74° at Nice, 73° at Jersey, Cape Gris Nez and Lyons, & 71° at Rochefort. Lowest 45° at Hemsand, 46° at Apatanda, 47° at Rode, 53° at Christiansund and Stockholm, and 54° at Sumburg H. During yesterday the thermometer rose to 75° and upwards in many parts of England, to 80° at Loughborough, and to 82° in London.

### WIND

Light from the S. or N.E. over England, France, Germany and the Netherlands, from the W. in Scotland and Wales, and from the N.W. in Ireland. S.W. in Denmark and the S. of Scandinavia; calm over the central parts of Sweden; S.E. or E. in the west of Norway.

### WEATHER

Cloudy or dull over the greater part of our Islands, and also in Norway, with rain in the N. of Ireland, and the E. of Scotland, as well as at Christiansund. Fine on our extreme N. and N.W. coasts, and also on the E. coasts of England, and over the W. parts of the Continent generally. Since yesterday morning rain has fallen in many parts of Ireland & Scotland the amount being mostly slight, but rather large at Stromoway. Lightning has been seen at Biarritz.

### SEA

Slight or smooth generally.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed off our W. coasts yesterday has travelled away to the N., but a shallow "V shaped" secondary has been formed directly over our W. districts. The latter seems likely to spread E. and will probably cause unsettled thundery weather in many parts of England.

## FORECASTS

For the 24 hours ending at NOON on 6<sup>TH</sup> SEPTEMBER 1899.

### DISTRICTS.

### FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

W. winds, backing later, changeable, some rain.

Same as No. 5.

S. winds light, fair at first, unsettled later, with thunderstorms in places.

### DISTRICTS.

### FORECASTS.

- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH



Same as Nos. 0 and 1.

Light variable airs, cloudy, with thunderstorms in places.

N.W. winds, backing later, fine at first, then cloudy, with some rain.

### 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.		WIND.		WEA.	SEA.		BAR.	THER.		WIND.		WEA.	SEA.
		Dry.	Wet.	Dirac.	Force.					Dry.	Wet.	Dirac.	Force.		
Skudesnaes ...	30.03	60	57	S	4	0	2	Valencia ...	29.76	67	64	SSE	4	09	5
Sumburgh Head	29.74	55	55	SE	2	7	4	Scilly ...	29.92	69	66	SSE	3	6c	1
Stornoway ...	29.61	62	59	SW	6	0	6	Jersey ...	30.00	71	68	SE	3	6	3
Aberdeen ...	29.81	61	58	SSE	4	ca	3	Portland Bill ...	30.02	69	68	SE	4	6c	3
Shields ...	29.90	72	67	SSW	2	bm	2	Dungeness ...	30.07	72	68	SSE	3	6	2
Malin Head ...	29.68	68	64	S	5	6c	4	London							
Belmullet ...	29.70	69	64	SSW	4	6	*	(Westminster)	30.03	77	62	SE	3	6	*
Holyhead ...	29.94	68	64	SW	4	6	3	Yarmouth ...	30.06	68	63	SSE	4	6	3
								Rochefort ...	30.00	97	83	SE	2	6c	*

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

Weather in morning fine and bright over England and the W<sup>m</sup>, central and S<sup>m</sup> parts of the Continent generally. Cloudy or dull at many of the Irish and Scotch stations, as well as in the W. of Norway, with rain at Stornoway. Dull over Lapland and Russia, with rain at Haparanda and also at Nischlaiff. Rain falling later over nearly the whole of Ireland, Scotland and the N<sup>m</sup> parts of Scandinavia, - rather heavily at Stornoway and Christiansund. Lightning seen at Biarritz.

Temperature risen in our Islands, but fallen in most other countries. Morning readings highest 84° at Algiers, 82° at La Calle, and 81° at Barcelona, Brindisi and Spea, above 70° in most parts of S<sup>m</sup> Europe, and above 65° over the English Channel, and also in the W. of Ireland. Lowest 39° at Archangel, 47° at Rodo and Karlstad, and 48° at Haparanda, Hermsund and Helmingfors. Rising during day to between 75° and 80° in many parts of England, and to 82° in London, exceeding 85° in the S. of France, and reaching 89° at Perpignan.

Wind light from the E<sup>nd</sup> (NE. & SE) over the greater part of France, Spain and northern Italy, and from the SE<sup>nd</sup> over England. S<sup>m</sup> in Ireland and Scotland, and fresh or strong in force in the extreme W. W. or NW. over Sweden, Denmark, Russia, Austria and the greater part of Germany, but variable in S. Germany. Calm in Greece, variable over southern Italy. Subsequently increasing to a moderate gale from the S<sup>nd</sup> in the Hebrides, becoming very variable in the west of France.

Barometer highest 30.3 ins. and upwards over S. Germany, 30.0 ins. and upwards in an anticyclone embracing nearly the whole of central and S<sup>m</sup> Europe, and also England and the North Sea. Lowest 29.7 ins. and less in a depression lying off our own extreme W. coasts, and also in two other systems, - one lying over Lapland and the other over central Russia. Depression off our W. coasts subsequently moving N<sup>nd</sup>, but barometer falling in most parts of W<sup>m</sup> Europe.

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

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

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

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

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# DAILY WEATHER REPORT

for 8 a.m. on *Wednesday, 6<sup>th</sup> September, 1899.*

*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 Sun- shine.	TEMP.		Rainfall.
		At 8 <sup>20</sup> and M.S.L.	Dry Bulb	Direc.	Force (0 to 12.)	At 8 <sup>20</sup> Fahr. and M. S. L.	Change since Yester- day.		Dry Bulb	Wet Bulb	Change since Yester- day.	Direc.	Force (0 to 12.)	Max	Min.							
		Inch.	°					Inch.	Inch.	°	°	°									Inch.	
SCANDINAVIA.	Haparanda ...	30.01	50	SSW	2	0	29.90	- 10	46	45	0	SE	4	r	•	0	•	55	43	-		
	Hernösand ...	29.93	48	S	4	r	29.60	- 40	52	50	+ 7	S	4	f	•	r	•	54	36	0.75		
	Stockholm ...	29.97	56	Z	0	0	29.78	- 26	60	58	+ 1	S	2	c	•	0	•	60	46	-		
	Wisby ...	30.00	58	S	4	c	29.89	- 19	61	59	+ 5	SSW	4	0	•	c	•	64	54	-		
	Karlstad ...	29.85	58	Z	0	b	29.71	- 31	60	58	+ 3	SW	4	0	•	b	•	•	•	-		
	Bodo ...	29.69	53	E	5	0	29.66	- 28	48	45	+ 1	E	4	r	1	0	•	55	45	0.35		
	Christiansund ...	29.64	54	SW	4	r	29.60	- 04	55	50	+ 2	SE	1	c	2	r	•	57	48	0.24		
	Skudesnaes ...	29.80	54	Z	0	r	29.82	+ 02	57	53	- 3	WSW	4	bc	3	r	•	61	54	•		
	Færder (X'ania Fjord)	29.80	60	S	5	m	29.75	- 16	60	52	- 1	HW	3	bc	2	m	•	61	59	-		
	The Scaw (Skagen)	29.87	61	WSW	1	m	29.81	- 18	60	58	+ 3	W	3	m	0	m	•	64	55	-		
Fanø ...	29.94	63	SSW	2	b	29.90	- 11	64	62	+ 3	SW	4	r	•	b	•	72	61	-			
BRITISH ISLANDS.	Sumburgh Head ...	29.63	56	SW	4	bc	29.62	+ 03	53	51	- 1	WSW	4	r	5	c.bc	•	61	51	0.03		
	Stornoway ...	29.72	55	W	5	r	29.81	+ 16	56	53	- 1	W	4	b	4	c.r	8.9	63	49	0.05		
	Wick ...	29.75	58	HW	4	bc	29.78	+ 10	58	55	- 1	HW	4	bc	2	bc	•	65	50	-		
	Nairn ...	29.80	58	W	2	bc	29.82	+ 10	59	54	+ 3	W	2	b	1	bc	•	68	49	-		
	Aberdeen ...	29.80	61	W	2	b	29.87	+ 13	59	52	+ 3	SW	3	bw	1	b.bc	4.5	63	44	0.04		
	Leith ...	29.85	61	WSW	1	bc	29.95	+ 19	56	53	- 4	WSW	1	bc	•	bc	•	66	49	0.01		
	Shields ...	29.88	64	HW	1	0	29.97	+ 16	59	57	- 9	SW	2	bc	2	cm.0	•	74	52	-		
	Spurn Head ...	29.87	66	HW	2	b	29.99	+ 10	58	57	- 8	HW	1	r	1	b.r	•	79	58	0.11		
	Loughborough ...	29.88	77	SSW	1	b	30.00	+ 10	62	61	- 1	•	1	om	•	c.b.gmp	•	82	59	0.05		
	Malin Head ...	29.89	60	W	4	b	29.95	+ 15	57	54	0	WSW	2	b	2	b	•	63	53	-		
FRANCE & NETHERLANDS.	Belmullet ...	29.94	61	HW	1	b	30.02	+ 15	60	57	+ 1	HW	1	b	•	b	•	63	59	0.02		
	Donaghadee ...	29.90	60	WSW	2	bc	29.97	+ 14	56	53	0	HW	2	c	2	bc	•	64	52	0.03		
	Liverpool (Sandstone)	29.94	63	HW	1	bc	29.97	+ 11	60	59	- 5	Z	0	0	•	bc	•	70	59	0.03		
	Holyhead ...	29.93	61	HW	1	q	29.97	+ 12	59	58	- 5	NE	2	gmr	1	c.	•	69	57	0.10		
	Parsonstown ...	29.93	63	HW	1	0	29.97	+ 11	58	55	+ 1	W	1	gmr	•	0	0.7	67	56	-		
	Valencia ...	29.90	62	ESE	2	om	29.96	+ 11	62	60	- 2	NE	2	bc	3	om	0.3	66	57	0.07		
	Roche's Point ...	29.91	66	SSE	2	c	29.94	+ 09	63	62	- 1	NE	2	0	4	c.p	•	68	60	0.15		
	Pembroke (St. Ann's Hd.)	29.92	65	Z	0	bc	29.95	+ 09	65	64	0	SE	3	og	2	bc	4.3	68	63	0.01		
	Scilly ...	29.93	69	S	2	c	29.90	+ 04	67	65	- 2	ESE	2	c	4	c	9.6	73	63	-		
	Jersey (St. Aubin's)	29.95	73	W	1	b	29.92	- 01	67	65	- 6	HW	3	c	3	c.f.pl	•	79	65	0.02		
GERMANY.	Portland Bill ...	29.96	63	HW	1	f	29.95	+ 04	65	65	0	•	3	oklr	3	f	•	70	59	0.94		
	Dungeness ...	29.93	70	SSW	2	c	29.96	+ 02	66	66	- 3	Z	0	e	0	bc.c.f	•	77	61	-		
	London (Brixton)	29.89	81	S	2	bc	29.96	+ 03	70	65	+ 3	Z	0	bc	•	cm.b	6.8	84	61	-		
	Oxford ...	29.94	73	SW	1	b	29.98	+ 07	64	63	- 3	HW	2	0	•	b.c.t	•	85	63	0.02		
	Yarmouth ...	29.88	71	S	2	c	29.97	+ 04	66	64	- 1	HW	1	cp	2	b.c	•	72	61	0.02		
	Cuxhaven ...	29.96	70	Z	0	b	29.91	- 12	64	62	+ 6	S	2	b	•	b	•	75	58	-		
	Berlin ...	30.00	69	SSE	2	b	29.96	- 18	62	58	+ 4	SW	1	b	•	b	•	77	57	0.32		
	Wiesbaden ...	•	•	•	•	•	30.04	- 06	64	64	+ 4	SE	1	r	•	•	•	77	57	-		
	Munich ...	30.15	69	Z	0	b	30.18	- 05	67	62	+ 9	W	4	c	•	b	•	81	57	-		
	SPAN. PEN.	The Helder ...	29.91	69	Z	0	t	29.93	- 03	66	65	- 2	?HW	1	c	1	t	•	79	64	0.16	
Brussels ...		•	•	•	•	•	29.98	- 03	71	66	+ 2	S	1	bc	•	b	•	85	62	-		
C. Gris Nez ...		29.95	73	SW	2	bc	29.98	+ 01	66	64	- 7	ESE	1	m	0	bc	•	•	•	-		
Paris ...		29.97	80	W	2	b	30.03	- 02	65	62	0	S	3	r	•	b	•	91	61	-		
Brest ...		29.95	66	WSW	2	m	29.95	+ 01	65	62	- 2	E	2	0	3	m	•	75	59	0.04		
Lorient ...		29.95	68	WSW	3	c	29.97	+ 04	66	66	- 2	Z	0	0	4	c	•	81	66	-		
Rochefort ...		29.96	89	Z	0	bc	29.97	+ 01	71	68	0	HW	2	c	•	bc	•	91	68	-		
Belfort ...		29.99	78	HW	1	bc	30.03	- 07	68	64	+ 4	Z	0	m	•	bc	•	88	59	0.20		
Lyons ...		30.05	78	SE	1	0	30.06	- 04	69	•	- 4	SE	1	b	•	0.l	•	90	64	-		
Nice ...		30.12	72	SE	2	b	30.09	+ 01	72	63	- 2	E	1	b	1	b	•	86	66	-		
AZORES.	Perpignan ...	30.05	77	ESE	2	b	30.06	- 06	74	•	+ 4	HW	1	0	•	b	•	84	70	-		
	Biarritz ...	29.89	90	SE	3	b	29.93	• 00	70	69	- 11	SE	2	b	2	b.l	•	97	68	-		
AZORES.	Corunna ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
	Lisbon ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
Azores (P. Delgada)		30.33	67	HW	3	bc	30.31	+ 03	67	62	+ 2	W	2	b	2	bc	•	75	63	-		

For Explanation of Columns, see bottom of last page.

+ Received too late for Insertion in Charts on next page.

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

Bright Sunshine yesterday Southport 7.0 hrs.



# WEATHER CHARTS

FOR *Wednesday, 6<sup>th</sup> September, 1899.*

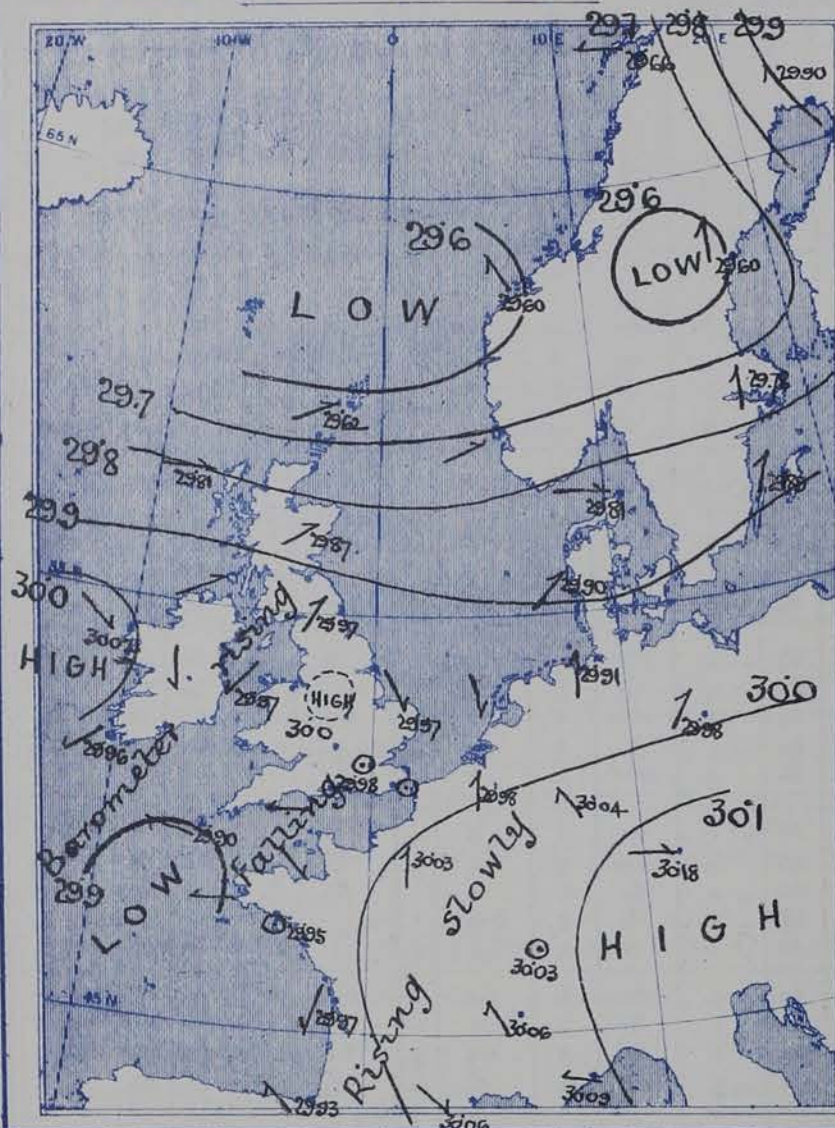
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ⊙  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High

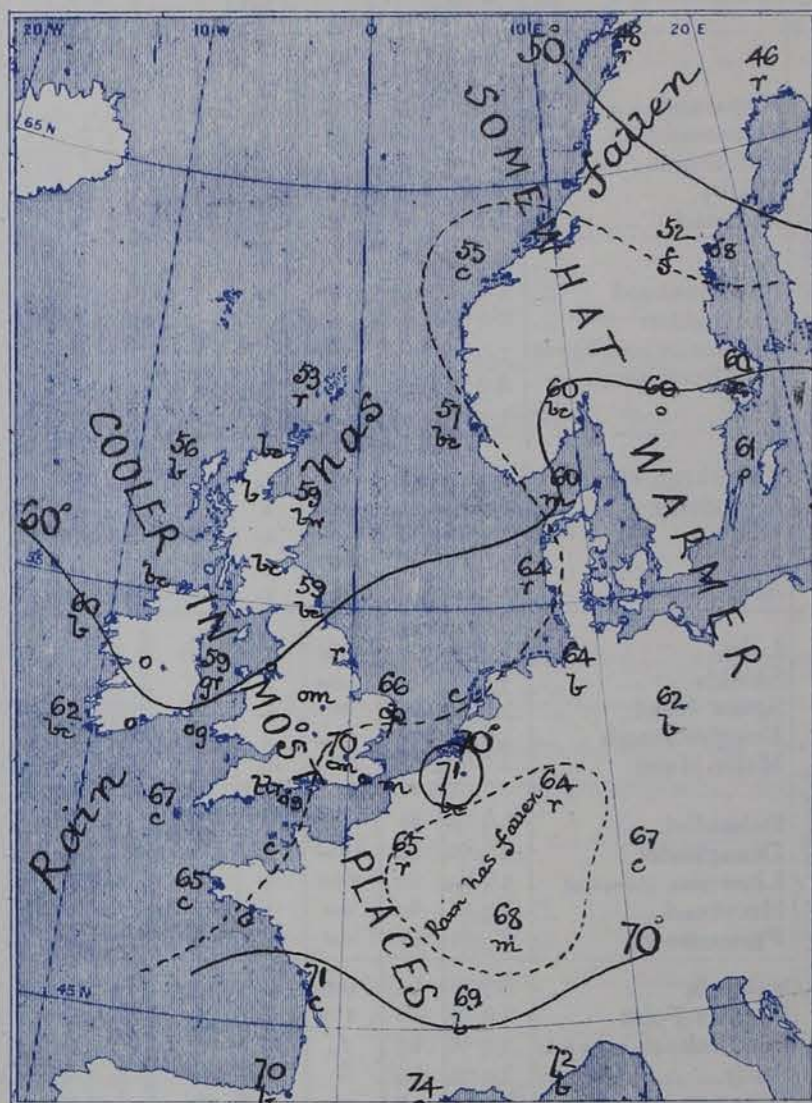


## TEMPERATURE AND WEATHER.

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.								RAINFALL Means, 1866-95.	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Years.	Minimum.	Years.			
	(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	76*	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	—	—
Farsonstown	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	51.2	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 over S. Germany; 30.0 ins. and upwards in an anticyclone lying over the greater part of Germany and France, and also in another system spreading from the Atlantic over the W. of Ireland.

Lowest 29.6 ins. and less in a large shallow depression lying off the W. of Norway, and also in a smaller disturbance near Hemsand.

Gradients slight. Barometer rising in most parts of our Islands and France, but falling slightly at some of the English Channel stations; falling also in Scandinavia, Denmark & N. Germany.

Highest 74° at Perpignan, 72° at Nice, 71° at Brussels & Rochefort and 70° in London & at Biarritz.

Lowest 46° at Haparanda, 48° at Bodø, 52° at Hemsand, 53° at Sumburgh P. & 55° at Christiansund.

### TEMPERATURE

During yesterday the thermometer over the inland parts of England rose to between 80° and 85°, and in London to 89°. At Paris and Rochefort it reached 91°, while at Biarritz it touched 97°.

Light and very variable over England, France and the Netherlands; N. or NE. in the south of Ireland.

### WIND

Light to moderate from the W. over Scotland and the north of Ireland and also in the south of Norway; S.W. or S. over Denmark, N. Germany and the south of Sweden; SE. or E. over the northern parts of Scandinavia.

Fine over the N. parts of our Islands generally, as well as in the S. of Norway, N. Germany and the S. of France.

### WEATHER

Cloudy or dull elsewhere, with rain at some of the English stations, and a thunderstorm at Portland Bill. Rain was also falling at Paris, Wiesbaden, in the N. of Scandinavia and at Sumburgh P. & Farn.

Since yesterday morning slight rain has fallen in many parts of the United Kingdom and a large amount (0.9 in) at Portland Bill. Thunder has occurred at Oxford and the Hecla, & lightning at Jersey, Lyons and Biarritz.

### SEA

Moderate to smooth generally, but rather rough at Sumburgh Head.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Over the S. parts of our Islands the distribution of pressure is very irregular and favourable for the development of local thunderstorm disturbances. The new anticyclone which is appearing in the W. seems likely to spread eventually over a considerable portion of the Kingdom.

## FORECASTS

For the 24 hours ending at NOON on

7<sup>TH</sup> SEPT.

1899.

### DISTRICTS.

### FORECASTS.

- |   |                  |  |
|---|------------------|--|
| 0 | SCOTLAND NORTH   | W. and NW winds, light or moderate; fair generally.          |
| 1 | SCOTLAND EAST    |  |
| 2 | ENGLAND N.E.     | Light breezes, chiefly W.; cloudy, local thundershowers.     |
| 3 | ENGLAND EAST     | Light variable airs, cloudy, close, thunderstorms in places. |
| 4 | MIDLAND COUNTIES |  |
| 5 | ENGLAND SOUTH    |  |

### DISTRICTS.

### FORECASTS.

- |    |               |  |
|----|---------------|--|
| 6  | SCOTLAND WEST | Same as Nos. 0 and 1.  |
| 7  | ENGLAND N.W.  |  |
| 8  | ENGLAND S.W.  | Light breezes, chiefly N.; cloudy at first, with thunderstorms in places, then fair. |
| 9  | IRELAND NORTH | Light breezes, chiefly N.; fair generally.   |
| 10 | IRELAND SOUTH |  |

### WARNINGS

None issued.

Note.—The South Cone, point downwards (  $\nabla$  ), 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 (  $\blacktriangledup$  ), 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.		WIND.		WEA.	SEA.		BAR.	THER.		WIND.		WEA.	SEA.
		Dry.	Wet.	Dir.	Force.					Dry.	Wet.	Dir.	Force.		
Skudesnaes ...	29.80	60	60	SW	6	r	4	Valencia ...	29.89	65	62	NE	2	om	4
Sumburgh Head	29.63	57	55	SW	4	e	3	Scilly ...	29.90	70	67	SSE	2	c	1
Stornoway ...	29.68	63	55	W	6	b	6	Jersey ...	29.98	71	67	SSW	3	c	3
Aberdeen ...	29.79	59	57	SE	3	bc	3	Portland Bill ...	29.95	66	66	W	3	f	2
Shields ...	29.84	73	69	SSW	2	cm	2	Dungeness ...	29.93	76	70	W	2	bc	1
Malin Head ...	29.86	63	58	W	3	b	2	London	29.91	85	69	N	2	bc	4
Belmullet ...	29.93	63	58	NW	1	b	1	(Westminster)							
Holyhead ...	29.91	69	64	NW	2	c	1	Yarmouth ...	29.90	70	66	SSE	3	b	3
								Rochefort ...	29.96	86	73	SW	3	b	*

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

*Continental information not received.*

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

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

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

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

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# DAILY WEATHER REPORT

for 8 a.m. on Thursday, 7<sup>th</sup> September, 1899.

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.		Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.		Rainfall.
		At 32° and M.S.L.	Dry Bulb	Dirac.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb	Wet Bulb	Change since Yester- day.	Dirac.	Force (0 to 12.)				Weather	Max	
		Ins.	°				Ins.	Ins.	°	°	°								Ins.
SCANDINAVIA.	Haparanda...	29.59	46	E	4	†	29.49	-1.1	44	44	-2	E	3	†	*	*	50	44	0.55
	Hernösand...	29.58	44	Z	0	b	29.47	-1.3	48	45	-4	H	2	†	*	*	61	41	0.04
	Stockholm...	29.62	59	SW	4	b	29.50	-2.8	55	53	-5	HW	4	0	*	*	70	54	0.04
	Wisby...	29.71	59	SSW	4	b	29.65	-2.4	55	52	-6	HW	8	0	*	*	70	52	0.04
	Karlstad...	29.67	57	SW	4	b	29.57	-1.4	54	47	-6	W	4	0	*	*	*	*	-
	Bodo...	29.54	45	E	1	0	29.52	-1.4	46	44	-2	E	4	0	1	0	52	43	0.20
	Christiansund...	29.41	51	SW	4	†	29.47	-1.3	51	49	-4	HW	6	†	4	†	61	48	0.39
	Skudesnaes...	29.78	54	HW	6	0	29.80	-0.2	53	50	-4	HW	6	0	3	bc.0	59	50	-
	Færder (X'ania Fjord)	29.67	61	W	5	b	29.66	-0.9	57	50	-3	W	6	0	3	b	63	55	-
	The Scau (Skagen)	29.78	57	W	5	b	29.74	-0.7	58	53	-2	HW	6	0	2	b	63	55	-
Fanø...	29.93	58	W	4	bc	29.93	+0.3	59	54	-5	HW	4	0	*	bc	66	55	-	
BRITISH ISLANDS.	Sumburgh Head...	29.69	53	W	4	b	29.78	+1.6	51	49	-2	W	1	0	3	bc.0	57	48	0.14
	Stornoway...	29.86	57	W	4	0	29.81	-0.0	59	57	+3	HW	3	0	3	c.0	62	53	0.02
	Wick...	29.84	55	HW	4	0	29.83	+0.5	57	55	-1	HW	3	0	1	0.†	62	47	0.07
	Nairn...	29.89	61	W	1	bc	29.86	+0.4	61	57	+2	W	1	bc	1	b	67	55	-
	Aberdeen...	29.90	61	HW	2	bc	29.89	+0.2	60	56	+1	SW	1	cg	1	b.0c	68	51	-
	Leith...	29.93	60	W	1	c	29.95	-0.0	60	56	+4	HW	2	0	*	c	67	52	-
	Shields...	29.95	60	SSE	2	bc	29.97	-0.0	60	58	+1	SW	2	0	2	b.0c	68	49	-
	Spurn Head...	29.96	59	EHE	2	0	29.99	-0.0	61	59	+3	H	1	0	2	r.0.b	61	56	0.04
	Loughborough...	29.95	66	HNE	1	0	30.00	-0.0	58	57	-4	HNE	1	gmr	*	c.0.gm	76	58	0.17
	Malin Head...	29.97	59	W	3	b	29.94	-0.1	57	56	0	SSH	3	bc	2	bc.0	62	54	-
FRANCE & NETHERLANDS, GERMANY.	Belmullet...	30.04	61	HW	1	b	30.01	-0.1	62	58	+2	HW	1	bc	*	b	63	52	0.01
	Donaghadee...	29.99	59	NE	1	c	29.99	+0.2	57	55	+1	S	2	0	1	c	61	49	-
	Liverpool (Bidston)	29.97	70	HW	1	0	29.99	+0.2	56	54	-4	Z	0	0	?	op	61	52	0.22
	Holyhead...	29.98	60	NE	2	bc	30.00	+0.3	60	57	+1	NE	2	0	1	bc	62	56	0.14
	Parsonstown...	29.98	66	HW	1	0	30.02	+0.5	52	51	-6	HW	1	0	*	c.0	69	44	-
	Valencia...	29.99	64	H	2	bc	30.03	+0.7	60	58	-2	Z	0	0	3	c.0c	68	53	-
	Roche's Point...	29.98	63	ESE	3	0	30.03	+0.9	60	58	-3	H	2	0	3	0	65	58	0.02
	Pembroke (St. Ann's Hd.)	29.95	66	HNE	2	bc	30.01	+0.6	62	60	-3	HNE	2	0	4	0.0c	68	59	-
	Scilly...	29.96	68	E	3	b	29.93	+0.3	66	64	-1	HNE	4	0	4	bc.0	71	63	-
	Jersey (St. Aubin's)	29.94	75	W	3	b	29.97	+0.5	69	66	+2	S	3	bc	3	bc.0	77	63	-
SPAN. PEN.	Portland Bill...	29.94	67	HW	2	c	29.96	+0.1	66	66	+1	H	2	0	2	0.c	72	60	0.20
	Dungeness...	29.90	67	E	2	bc	29.94	-0.2	66	65	0	HW	1	0	1	bc.0c	74	63	0.08
	London (Brixton)	29.91	69	EHE	1	0	29.97	+0.1	65	64	-5	Z	0	0	gmp	klr.gp.0	80	63	1.01
	Oxford...	29.95	67	Z	0	bc	29.96	-0.2	65	64	+1	EHE	1	0	?	tr.0c.m.l	73	64	0.49
	Yarmouth...	29.94	64	EHE	4	†	29.96	-0.1	63	61	-3	EHE	4	0	3	c.†	68	60	0.16
	Cuxhaven...	29.95	72	H	3	b	29.96	+0.5	60	56	-4	H	3	bc	*	b	75	57	0.08
	Berlin...	29.89	73	Z	0	b	29.95	-0.1	61	56	-1	HW	3	0	*	b	82	59	-
	Wiesbaden...	29.99	74	*	*	*	29.99	-0.5	67	65	+3	SW	1	0	*	*	77	63	0.47
	Munich...	30.11	63	SW	2	b	30.12	-0.6	64	61	-3	S	5	0	*	b	77	57	-
	The Helder...	29.96	64	NE	1	†	29.97	+0.4	62	59	-4	NE	1	0	0	c.†	70	61	-
FRANCE & NETHERLANDS, GERMANY.	Brussels...	29.97	67	*	*	*	29.97	-0.1	67	66	-4	SW	1	0	?	tr	86	61	1.26
	C. Gris Nez...	29.93	71	Z	0	bc	29.95	-0.3	64	63	-2	SW	1	0	0	b	75	63	-
	Paris...	29.97	79	S	2	b	30.00	-0.3	63	62	-2	Z	0	0	*	b	87	60	0.16
	Brest...	29.87	68	SE	3	c	29.84	-1.1	64	62	-1	E	3	†	4	c	73	61	0.04
	Lorient...	29.95	69	S	4	0	29.86	-1.1	66	65	0	S	6	†	6	0	77	64	0.51
	Rochefort...	29.98	73	HW	3	b	29.98	+0.1	70	66	-1	HW	4	0	*	b	88	66	-
	Belfort...	29.94	74	W	1	c	29.98	-0.5	69	63	+1	W	2	bc	*	c	86	62	-
	Lyons...	29.95	82	S	1	0	30.02	-0.4	70	65	+1	SW	1	bc	*	0.†	93	65	-
	Nice...	30.02	71	SW	2	b	30.05	-0.4	71	66	-1	Z	0	0	0	b	83	64	-
	Perpignan...	29.99	77	E	1	0	30.01	-0.5	76	?	+2	Z	0	0	*	0	83	72	-
Biarritz...	30.00	75	HNE	2	b	29.98	+0.5	67	64	-3	Z	0	0	4	b	86	64	-	
SPAN. PEN.	Corunna...	30.17	67	HW	5	b	30.13	-0.8	68	61	-1	H	4	0	*	b	77	63	-
	Lisbon...	30.31	68	SE	1	bc	30.26	-0.5	68	65	+1	ESE	3	0	3	bc	75	66	0.04
	Azores (P. Delgada)	30.31	68	SE	1	bc	30.26	-0.5	68	65	+1	ESE	3	0	3	bc	75	66	0.04

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 0.0 hrs.



# WEATHER CHARTS

FOR Thursday, 7<sup>th</sup> September, 1899.

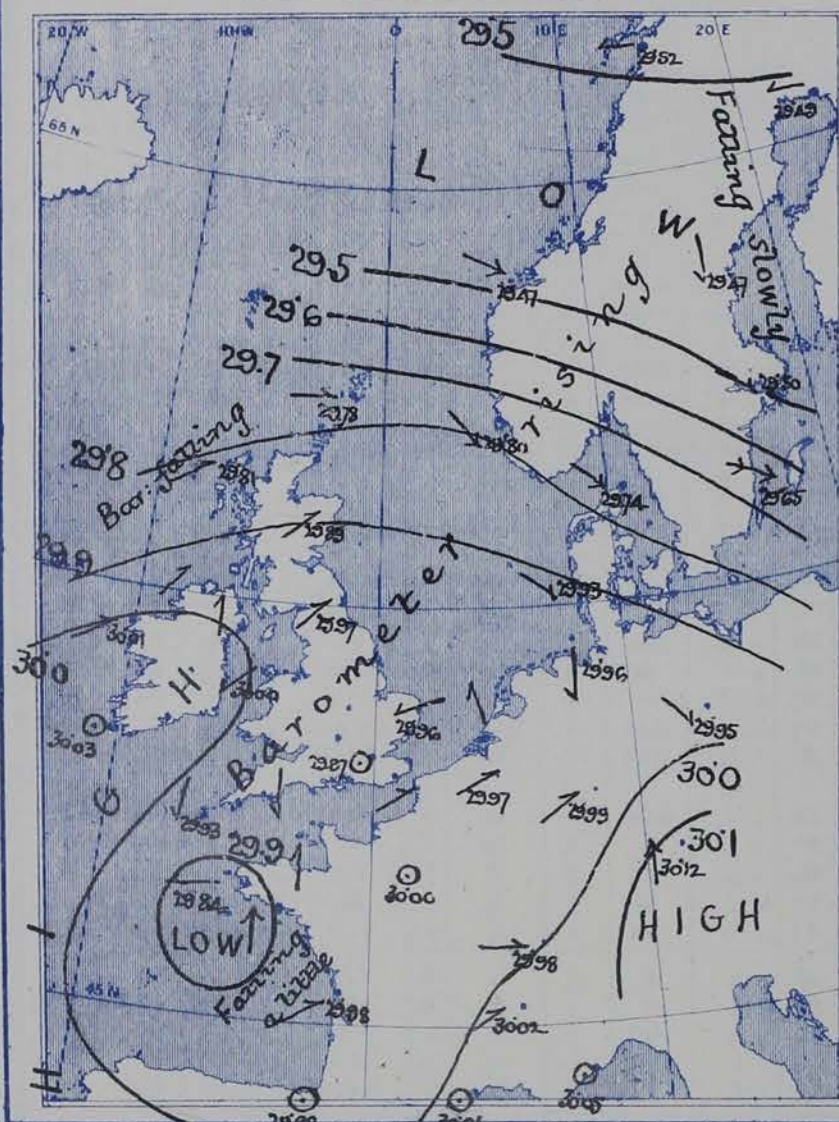
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ☉  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High :

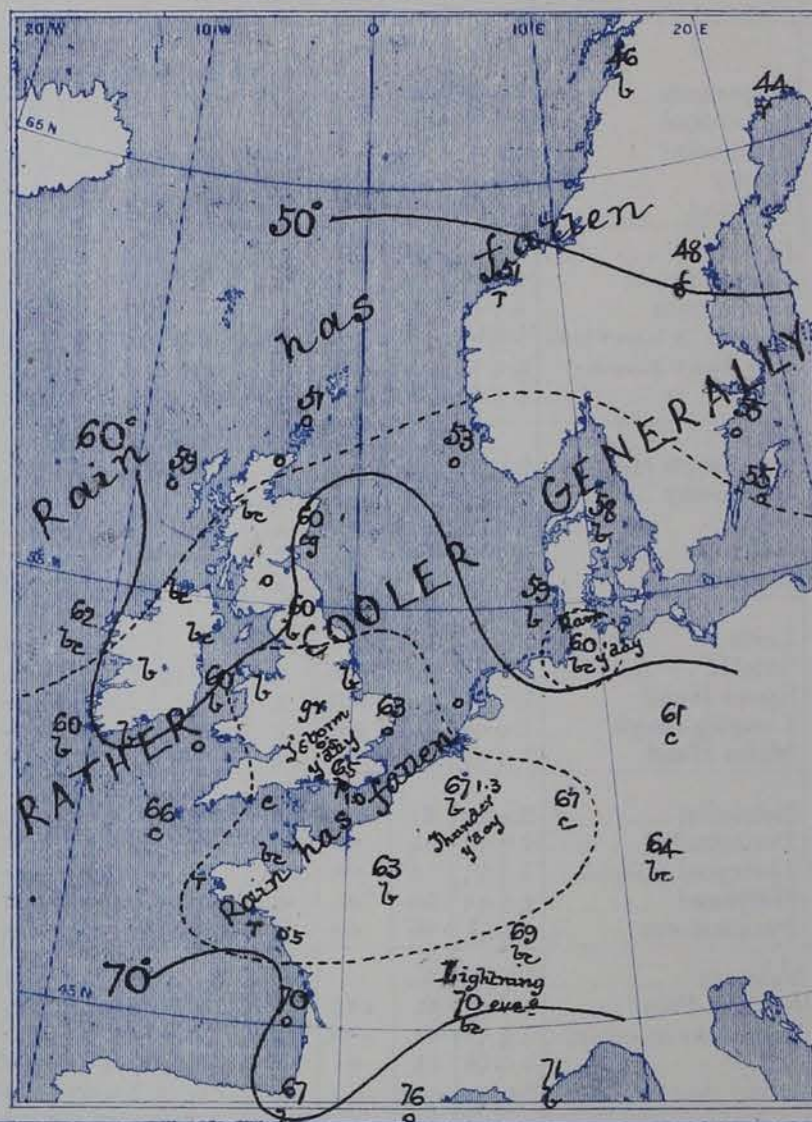


## TEMPERATURE AND WEATHER.

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. <i>(Inches.)</i>	TEMPERATURE OF AIR. 1871-95.								RAINFALL Means, 1866-95. <i>(Inches.)</i>	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Years.	Minimum.	Years.			
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	51.2	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	<p>Highest 30.1 ins. and upwards over Portugal and also over S. Germany; 30.0 ins. and upwards over Ireland and the S. George's Channel.</p> <p>Lowest 29.5 ins. and less in a large depression over the N.W. parts of Scandinavia; 29.9 ins. and less in a small shallow disturbance over Brittany.</p> <p>Gradients slight generally, but moderate over the S.W. parts of Scandinavia.</p> <p>Barometer rising a little over W. Europe generally, but falling a little in the N.W. of France, and also on our extreme N. and N.W. coasts, and in Sweden.</p>
TEMPERATURE	<p>Highest 76° at Perpignan, 71° at Nice, 70° at Rochefort and Lyons, and 69° at Jersey &amp; Belfort.</p> <p>Lowest 44° at Haparanda, 46° at Podo, and 48° at Hernösand; lowest in our Islands 51° at Sunburch and 52° at Parsonstown.</p> <p>During yesterday the thermometer rose to 70° and upwards over the S. of England generally to 77° at Jersey and to 80° in London.</p>
WIND	<p>Light from the N.W. (NE to NW) over England and the S. of Ireland; calm or S. in France.</p> <p>Light from the W. or S.W. over the northern parts of our Islands; fresh to strong from the W. or N.W. over Denmark and the southern parts of Scandinavia, with a gale at Wisby; E. in the north of Scandinavia.</p>
WEATHER	<p>Fair or fine over the greater part of W. Europe, but dull over the inland parts of England, with rain at Loughborough, and passing showers in London. Rain was falling also in the N.W. of France.</p> <p>Dull in the N. of Scotland and the W. of Norway, with rain at Christiansund.</p> <p>Thunderstorms occurred yesterday in many parts of England, and also over Belgium, the accompanying rainfall being as heavy as 1.3 inch at Brussel, and 1.0 inch in London (Preston).</p>
SEA	<p>At the latter station the fall occurred between 0.15 pm and 0.45 pm.</p> <p>Slight or smooth generally, but moderate off the S.W. of England &amp; the W. of France, &amp; rough at Loughborough.</p>


### PROBABLE CHANGES IN SYSTEM NOW PREVALENT


The distribution of pressure is still rather irregular, and local thunder showers are likely to occur in many parts of England. The high pressure system over Ireland is, however, spreading slowly E., so that a gradual improvement in the weather is probable.

## FORECASTS

For the 24 hours ending at NOON on 8<sup>TH</sup> SEPTEMBER 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	W. and S.W. winds moderate, cloudy, some rain.	6 { SCOTLAND WEST	S.W. and W. winds moderate, fine at first, showery later.
1 { SCOTLAND EAST	S.W. winds light, fair at first, some rain later.	7 { ENGLAND N.W.	Same as No. 2.
2 { ENGLAND N.E.	S.W. and W. winds, light, fair generally.	8 { ENGLAND S.W.	N. and N.W. winds, light, fair generally.
3 { ENGLAND EAST		9 { IRELAND NORTH	Same as No. 6.
4 { MIDLAND COUNTIES	Light breezes, chiefly N.; local thunder showers at first, then fair.	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.		WIND.		WEA.	SEA.		BAR.	THER.		WIND.		WEA.	SEA.
		Dry.	Wet.	Dir.	Force.					Dry.	Wet.	Dir.	Force.		
Skudesnaes ...	29.82	59	55	WSW	6	bc	3	Valencia ...	29.98	68	63	N	3	c	4
Sumburgh Head ...	29.67	56	53	WSW	4	bc	5	Scilly ...	29.90	71	66	E	3	bc	4
Stornoway ...	29.86	61	54	WSW	5	c	5	Jersey ...	29.91	72	67	N	3	bc	3
Aberdeen ...	29.87	64	52	N	4	bc	2	Portland Bill ...	29.95	68	67	WNW	1	o	2
Shields ...	29.95	67	62	WSW	2	b	2	Dungeness ...	29.92	71	70	E	2	bcp	1
Malin Head ...	29.98	62	56	WNW	2	bc	2	London							
Belmullet ...	30.04	63	56	NW	1	b	*	(Westminster)	29.92	71	68	NE	1	c	*
Holyhead ...	29.98	62	59	NE	2	op	1	Yarmouth ...	29.94	68	66	ENE	2	c	2
								Rocheport ...	29.96	86	82	NW	2	b	*

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

Weather in morning fine over the N<sup>m</sup> parts of our Islands generally, as well as over the S. of Norway, Austria and the greater part of S<sup>m</sup> Europe. Cloudy elsewhere, with rain at some of the English stations, and a thunderstorm at Portland Bill, rain falling also at Paris and Wiesbaden and in the Shetlands and the N<sup>m</sup> parts of Scandinavia.

Thunderstorms occurring later in several parts of England and Belgium, with very heavy rain in London and at Brussels; at Bristol 1.0 inch fell in less than half an hour.

Temperature fallen in most places. Morning readings highest 83° at La Calle, 81° at Barcelona and Gfas, and 80° at Algiers; above 70° in many parts of S<sup>m</sup> Europe, and just touching that point in London. Lowest 40° at Archangel, 43° at St. Petersburg, 44° at Knopis, and 46° at Haparanda and Uleaborg; lowest in our Islands 53° at Sumburgh H<sup>d</sup>. Rising during day to 75° and upwards at several of the English stations, and to 80° in London. Exceeding 85° in many parts of France and the Netherlands, and reaching 93° at Lyons.

Wind light and very variable over England, France and the Netherlands; N<sup>ly</sup> or NE<sup>ly</sup> in the south of Ireland. Light to moderate from the W<sup>nd</sup> or SW<sup>nd</sup> over the northern parts of the United Kingdom, and also over Denmark and the south of Scandinavia. S<sup>ly</sup> in Sweden; SE<sup>ly</sup> or E<sup>ly</sup> in the north of Scandinavia. Light from the N<sup>nd</sup> or NW<sup>nd</sup> in Russia, calm in Austria; variable in Italy and Greece. No important change occurring during day.

Barometer highest 30.0 ins. to 30.1 ins. and upwards in an anticyclone covering the greater part of central and S<sup>m</sup> Europe, and also in another system spreading from the Atlantic over the W. of Ireland. Lowest 29.6 ins. and less in a large depression lying off the W. of Norway, and also in a smaller system over central Sweden. Several small and very shallow depressions reported over England, France and the Bay of Biscay, where the distribution of pressure was consequently very irregular.

### 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 8 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, 8<sup>th</sup> September,

1899.

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.		Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.			Rainfall.	
		At 82° and M.S.L.	Dry Bulb	Direc.	Force (0 to 12.)	Weather	At 82° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb	Wet Bulb	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather				Max	Min.			
Ins.		°				Ins.	Ins.	°	°	°										Ins.		
SCANDINAVIA.	Haparanda...	29.59	42	SW	2	c	29.65	+16	47	46	+3	N	2	0	*	c	*	47	44	0.24		
	Hernösand...	29.61	45	Z	0	b	29.75	+28	47	44	-1	W	2	0	*	b	*	59	37	0.04		
	Stockholm...	29.66	53	SW	2	b	29.79	+29	51	48	-4	Z	0	0	*	b	*	64	50	-		
	Wisby...	29.73	58	NW	4	b	29.82	+17	55	53	0	NW	4	0	*	b	*	61	52	-		
	Karlstad...	29.68	57	Z	0	b	29.82	+25	50	46	-4	H	2	0	*	b	*	*	*	-		
	Bodö...	29.65	47	E	2	b	29.72	+20	46	43	0	SE	1	0	*	b	*	54	43	-		
	Christiansund...	29.83	50	W	4	r	29.68	+21	50	46	-1	SE	2	0	*	r	*	54	43	0.20		
	Skudesnaes...	29.84	54	Z	0	o	29.81	+01	55	50	+2	H	4	0	3	o	*	57	50	*		
	Færder (X'ania Fjord)	29.71	59	NW	4	b	29.81	+15	57	49	0	NW	1	0	2	b	*	63	54	-		
	The Scaw (Skagen)	29.80	57	NW	5	bc	29.85	+11	58	57	0	NW	2	0	0	bc	*	61	54	-		
Faro...	29.92	59	NW	2	b	29.95	+02	61	59	+2	NW	3	0	*	b	*	66	57	-			
BRITISH ISLANDS.	Sumburgh Head...	29.65	54	SSW	2	r	29.79	+01	51	51	0	NW	3	0	4	r	*	57	48	0.18		
	Stornoway...	29.82	56	NW	4	o	29.98	+17	53	51	-6	NW	3	0	2	r.u	0.8	60	48	0.15		
	Wick...	29.78	55	NW	4	o	29.92	+09	55	52	-2	NW	4	0	4	o	*	62	49	0.01		
	Nairn...	29.79	61	W	1	r	29.98	+12	54	50	-7	W	2	0	1	r	*	68	48	0.04		
	Aberdeen...	29.81	62	SW	2	c	29.98	+09	57	50	-3	NW	3	0	2	o.g.p	0.3	66	47	0.01		
	Leith...	29.86	62	WSW	1	bc	30.01	+06	55	51	-5	WSW	2	0	*	bc	*	67	50	-		
	Shields...	29.88	65	SW	1	cm	29.98	+01	56	56	-4	H	1	0	2	bm.cm	*	73	54	-		
	Spurn Head...	29.92	62	SE	2	c	29.96	-03	61	57	0	H	4	0	3	c	*	62	56	-		
	Loughborough...	29.93	64	E	1	o	30.00	00	56	54	-2	NW	1	0	*	gmt. p. b	*	65	52	0.23		
	Malin Head...	29.88	57	NW	5	o	30.06	+12	55	53	-2	NW	1	0	4	bc.mp.o	*	64	54	0.01		
FRANCE & NETHERLANDS.	Belmullet...	30.01	58	H	3	o	30.18	+17	57	52	-5	?	2	0	*	rm.o	*	62	52	0.11		
	Donaghadee...	29.91	64	SSE	1	bc	30.07	+08	55	52	-2	NW	3	0	3	bc.q	*	72	51	-		
	Liverpool (Bidston)	29.95	60	NW	1	c	30.03	+04	59	54	+3	NW	2	0	2	c	*	65	56	-		
	Holyhead...	29.95	60	Z	0	bc	30.06	+06	57	53	-3	H	3	0	2	b.bc	*	62	53	-		
	Parsonstown...	29.96	65	SW	1	c	30.13	+11	54	52	+2	H	1	0	*	c	10.2	70	51	0.05		
	Valencia...	29.99	62	NW	1	rm	30.16	+13	59	55	-1	ENE	2	0	4	c.rm	7.0	65	51	0.02		
	Roche's Point...	29.98	67	SSW	2	b	30.11	+08	58	55	-2	NW	3	0	3	b	*	68	55	-		
	Pembroke (St. Ann's Hd.)	29.95	63	NW	3	b	30.02	+01	63	61	+1	NE	4	0	3	b	7.1	69	58	-		
	Scilly...	30.00	65	NW	4	c	30.03	+10	63	59	-3	NW	3	0	2	c	10.0	68	59	0.02		
	Jersey (St. Aubin's)	29.92	66	ESE	2	r	29.98	+01	65	64	-4	NW	3	0	3	or.p	*	70	63	0.26		
GERMANY.	Portland Bill...	29.95	67	SSW	1	b	30.00	+04	62	60	-4	H	2	0	2	ct.b	*	74	57	-		
	Dungeness...	29.92	67	SW	2	c	29.96	+02	63	63	-3	NW	1	0	0	c	0.9	74	55	0.01		
	London (Brixton)	29.91	68	Z	0	c	29.97	00	63	62	-2	NW	1	0	*	p.cl.bw	*	74	59	0.15		
	Oxford...	29.93	65	NW	1	c	30.00	+04	61	56	-4	NW	1	0	*	r.f.c	*	72	60	0.17		
	Yarmouth...	29.93	64	ESE	1	c	29.94	-02	64	63	+1	E	1	0	2	c.ev	*	65	61	0.30		
	Cuxhaven...	29.97	61	H	1	b	29.95	-01	55	53	-5	SE	1	0	*	b	*	63	48	-		
	Berlin...	29.97	66	Z	0	b	29.96	+01	57	54	-4	SE	1	0	*	b	*	72	54	-		
	Wiesbaden...	29.93	66	*	*	*	29.93	-06	66	65	-1	SW	1	0	*	*	*	81	63	0.55		
	Munich...	30.04	68	Z	0	b	30.07	-05	64	62	0	W	4	0	*	b	*	81	61	0.04		
	SPAIN.	The Helder...	29.95	66	*	*	*	29.95	-02	62	62	-5	Z	0	0	*	o	*	78	60	-	
Brussels...		29.95	66	SW	1	m	29.95	-00	64	63	0	NW	1	0	0	m	*	72	61	-		
C. Gris Nez...		29.92	77	WSW	2	bc	29.96	-04	63	62	0	Z	0	0	*	bc	*	82	61	0.04		
Brest...		29.85	70	H	1	c	30.04	+20	62	60	-2	NW	1	0	5	c	*	73	57	0.98		
Lorient...		29.79	66	E	6	r	30.00	+14	64	63	-2	H	5	0	4	r	*	75	63	0.83		
Rochefort...		29.92	70	S	5	o	29.76	-22	68	66	-2	NW	6	0	*	o	*	75	61	1.14		
Belfort...		29.97	68	Z	0	o	29.98	00	61	59	-8	WSW	1	0	*	o	*	72	59	0.08		
Lyons...		29.94	74	H	1	o	30.01	-01	64	63	-6	NW	1	0	*	o.kl.th	*	87	62	0.47		
Nice...		29.98	71	S	2	b	29.96	-09	68	67	-3	NE	3	0	0	b	*	82	61	-		
Perpignan...		29.95	72	H	1	b	30.03	+02	70	63	-6	NW	3	0	*	b	*	84	66	0.16		
PEN.	Biarritz...	30.00	71	NW	3	c	30.04	+06	66	65	-1	WSW	5	0	5	c	*	75	64	0.08		
	Corunna...	30.07	65	H	6	b	30.03	-10	69	62	+1	H	4	0	*	b	*	77	63	-		
	Lisbon...	30.07	65	H	6	b	30.03	-10	69	62	+1	H	4	0	*	b	*	77	63	-		
	Azores (P. Delgada)	30.28	69	SSE	1	bc	30.26	00	68	64	0	NE	2	0	3	bc	*	77	64	-		

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 8.6 hrs.



# WEATHER CHARTS

FOR Friday, 8<sup>th</sup> September, 1899.

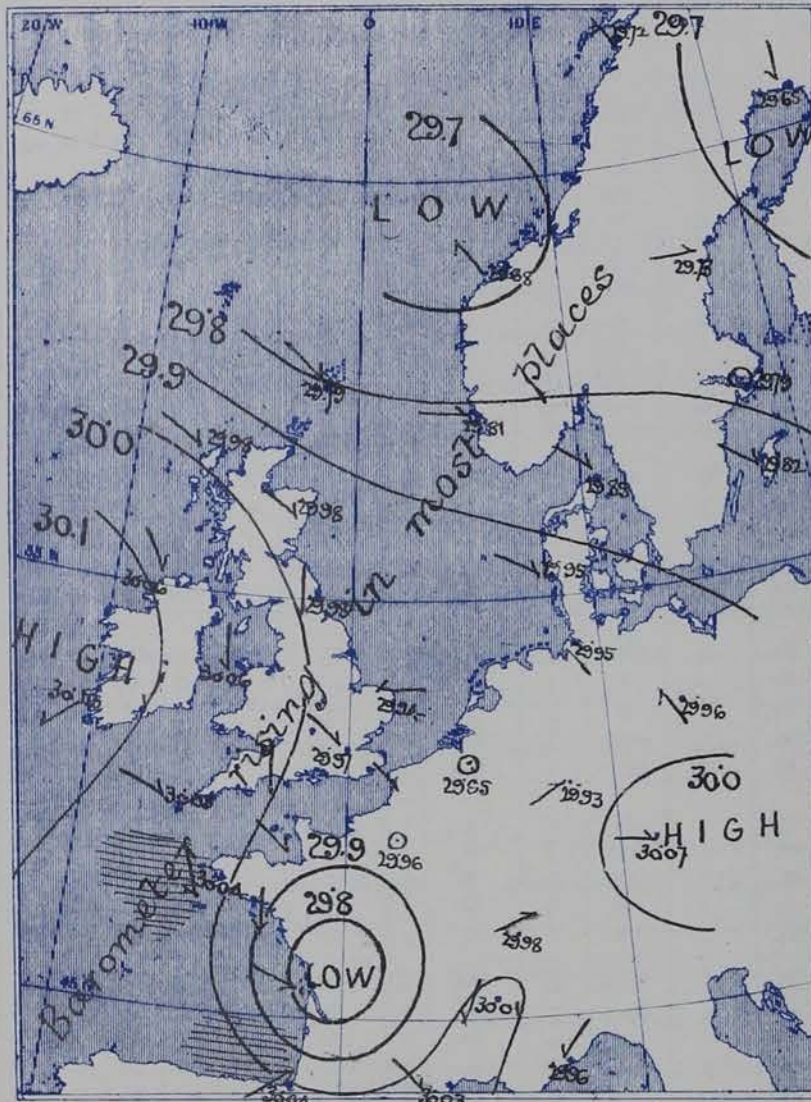
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ○  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High :

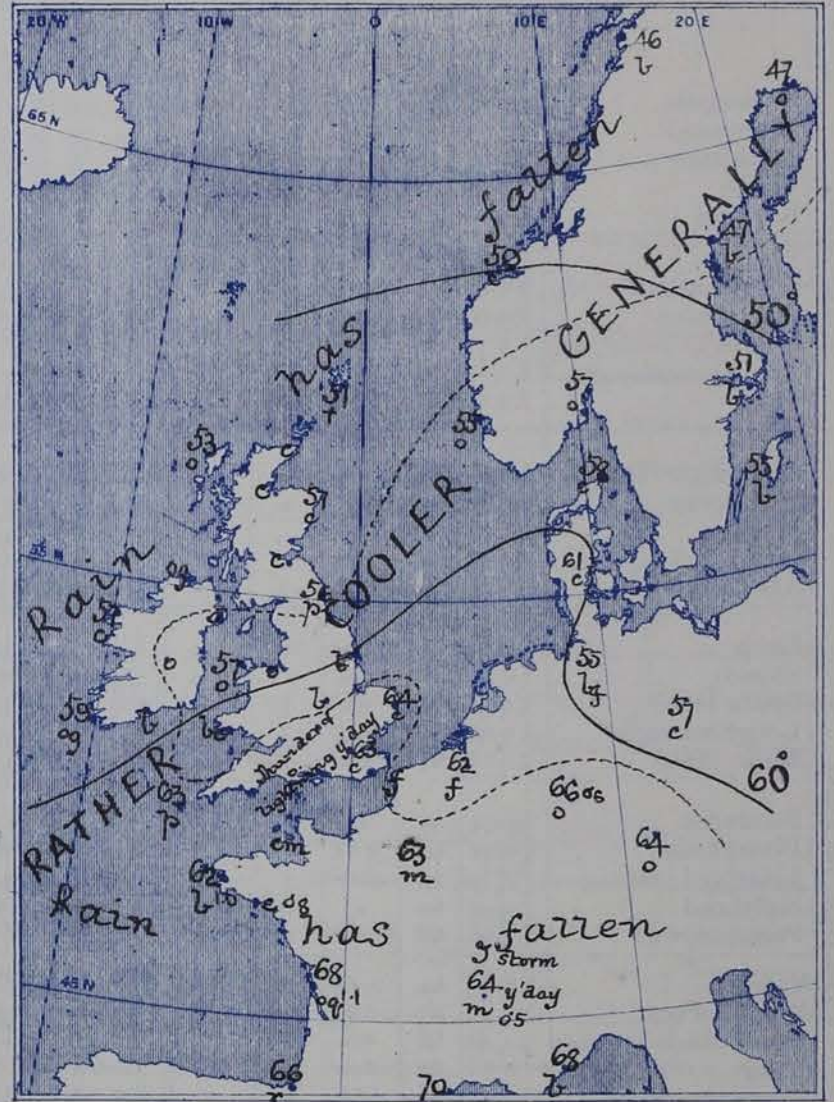


## TEMPERATURE AND WEATHER.

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.								RAINFALL Means, 1866-95. (Inches.)	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Years.	Minimum.	Years..			
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	—	—
Farsonstown	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	51.2	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	<p><i>Highest</i> 30.1 ins. and upwards in an anticyclone spreading over Ireland from the W<sup>nd</sup>.</p> <p><i>Lowest</i> 29.7 ins. and less in two shallow depressions, - one lying off the W. of Norway, and the other over Lapland; 29.8 ins. and less in a small but rather deep disturbance over the W. of France.</p> <p><i>Gradients</i> slight generally, but rather steep over the W. of France.</p> <p><i>Barometer</i> rising in most places.</p>
TEMPERATURE	<p><i>Highest</i> 70° at Perpignan, 68° at Rochefort and Nice, 66° at Wiesbaden &amp; Biarritz, and 65° at Jersey.</p> <p><i>Lowest</i> 46° at Bodo, 47° at Apatanda and Hernösand, 50° at Christiansund &amp; Karleind, &amp; 51° at Sumburg H<sup>o</sup>.</p> <p>During yesterday the thermometer rose to 70° and upwards in many parts of England and Ireland, to 74° at Jersey and in London, and to 78° at Dungeness.</p>
WIND	<p>Light to moderate from the NW<sup>nd</sup> or N<sup>nd</sup> over the greater part of our Islands, and fresh to strong from the same quarters in the west of France; calm or variable over central France &amp; the Netherlands.</p> <p>W<sup>nd</sup> to NW<sup>nd</sup> over Denmark and the southern parts of Scandinavia; SE<sup>nd</sup> in the west of Norway, and also over N. Germany.</p>
WEATHER	<p>Fair or fine over W<sup>m</sup> Europe as a whole, but dull in the NW of our Islands, as well as in the Shetlands, the S. of Norway and the S<sup>m</sup> parts of France and Germany.</p> <p>Fog was reported over Belgium, N. Germany and the Straits of Dover, rain at Sumburg H<sup>o</sup> and Biarritz, and passing showers at Shields and Seilly.</p> <p>Since yesterday morning rain has fallen in many parts of W<sup>m</sup> Europe - heavily in the W. of France. A thunderstorm occurred at Lyons and thunder only at Oxford and Portland Bill; lightning was seen in London at night.</p>
SEA	<p>Rather rough at Brest and Biarritz, and moderate on our own extreme W<sup>m</sup> and N<sup>m</sup> coasts, but slight or smooth elsewhere.</p>


### PROBABLE CHANGES IN SYSTEM NOW PREVALENT


The shallow depressions recently noticed over our S<sup>m</sup> districts are now moving away to the E<sup>nd</sup>, and a large anticyclone is spreading over our Islands from the Atlantic. Improving weather is probable in most districts, but local thundershowers are still likely to occur over the E<sup>m</sup> parts of England.

## FORECASTS

For the 24 hours ending at NOON on 9<sup>TH</sup> SEPTEMBER 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	NW <sup>ly</sup> winds, moderate, fair generally, but local showers.	6 { SCOTLAND WEST	NW <sup>ly</sup> winds, light, cloudy, local showers.
1 { SCOTLAND EAST		7 { ENGLAND N.W.	
2 { ENGLAND N.E.	N <sup>ly</sup> and NW <sup>ly</sup> winds, light, changeable, some showers.	8 { ENGLAND S.W.	Same as Nos. 3 to 5.
3 { ENGLAND EAST	N <sup>ly</sup> winds, light, some showers at first, then fair, with a drier & cooler air.	9 { IRELAND NORTH	Light breezes, chiefly N <sup>ly</sup> ; fair generally.
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.		WIND.		WEA.	SEA.		BAR.	THER.		WIND.		WEA.	SEA.
		Dry.	Wet.	Dirac.	Force.					Dry.	Wet.	Dirac.	Force.		
Skudesnaes ...	29.88	57	51	W	4	C	4	Valencia ...	30.04	64	60	W	2	CV	4
Sumburgh Head	29.74	54	54	WSW	1	T	3	Scilly ...	29.93	68	64	NNE	4	C	3
Stornoway...	29.78	58	56	WNW	4	T	4	Jersey ...	29.95	70	68	ESE	3	O	3
Aberdeen ...	29.86	64	59	S	3	Ogp	1	Portland Bill ...	29.96	71	70	S	2	CT	3
Shields ...	29.90	71	67	SSE	3	bm	2	Dungeness ...	29.95	71	68	SSW	1	C	1
Malin Head ...	29.91	64	60	SW	3	bc	2	London							
Belmullet ...	29.96	61	60	SW	4	tm	"	(Westminster)	29.96	68	65	SE	1	C	*
Holyhead ...	29.98	62	58	WNW	2	b	1	Yarmouth ...	29.96	65	62	ESE	3	C	3
								Rochefort ...	29.99	73	68	S	4	O	*

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

*Continental information not received.*

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

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

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

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

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" Weekly " " " £1 10 0 "



# DAILY WEATHER REPORT

for 8 a.m. on *Saturday, 9<sup>th</sup> September,* 1899.  
 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.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.		Rainfall	
		At 32° and M.S.L.	Dry Bulb	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Max					Min.			
																				Ins.		°
SCANDINAVIA.	Haparanda...	29.71	48	Z	0	O	29.72	+0.07	52	50	+5	NE	2	0	*	0	*	54	44	-		
	Hernösand...	29.78	44	Z	0	bc	29.74	-0.01	46	44	-1	Z	0	0	*	bc	*	59	36	-		
	Stockholm...	29.80	53	Z	0	c	29.68	-0.11	55	53	+4	SE	2	0	*	c	*	63	45	-		
	Wisby...	29.83	54	NW	4	c	29.72	-0.10	56	53	+1	N	4	0	*	c	*	59	50	0.04		
	Karlstad...	29.74	53	NE	2	0	29.73	-0.09	55	52	+5	SW	2	0	*	0	*	*	*	0.12		
	Bodö...	29.78	50	Z	0	b	29.71	-0.01	51	46	+5	ENE	4	6	1	b	*	55	43	-		
	Christiansund...	29.71	52	SW	4	r	29.66	-0.02	50	47	0	SE	1	0	2	r	*	54	48	0.08		
	Skudesnaes...	29.84	55	NW	5	c	29.81	-0.03	55	52	0	NW	4	0	3	c, 0	*	57	50	-		
	Færder (X'ania Fjord)	29.73	58	NW	2	0	29.67	-0.14	54	53	-3	NW	2	0	2	0	*	59	54	-		
	The Scaw (Skagen)	29.80	57	N	4	m	29.70	-0.15	59	54	+1	NW	3	c	0	m	*	63	55	-		
BRITISH ISLANDS.	Fanö...	29.05	58	NW	4	c	29.89	-0.06	55	53	-6	NW	4	c	*	c	*	66	55	-		
	Sumburgh Head...	29.89	52	NW	1	0	29.71	-0.08	51	49	0	NW	3	c	4	0, c	*	54	47	0.21		
	Stornoway...	30.01	57	NW	4	c	29.99	+0.01	55	51	+2	NW	5	e	5	0, c	1.8	58	48	0.10		
	Wick...	29.98	54	NW	4	c	29.88	-0.04	55	53	0	NW	6	c	4	c	*	58	47	0.10		
	Nairn...	30.04	54	N	1	b	29.97	-0.01	55	52	+1	N	2	c	2	b	*	59	48	0.04		
	Aberdeen...	30.04	55	N	3	c	29.97	-0.01	56	54	-1	WSW	3	c	2	0, c, p	3.0	60	49	0.02		
	Leith...	30.06	60	N	3	c	30.04	+0.03	57	54	+2	NW	2	bc	*	c	*	64	50	-		
	Shields...	30.07	56	NE	1	0	30.10	+0.12	53	53	-3	SW	2	ou	2	c, 0	*	58	49	-		
	Spurn Head...	30.07	58	N	3	0	30.12	+0.16	57	53	-4	NW	4	b	3	bc, 0.2	*	65	53	-		
	Loughborough...	30.10	61	NW	3	0	30.18	+0.18	55	52	-1	NW	2	bw	*	bc, c, b	*	71	49	-		
FRANCE & NETHERLANDS.	Malin Head...	30.14	57	NW	4	0	30.13	+0.07	57	55	+2	NW	6	op	5	0	*	59	55	0.09		
	Belmullet...	30.25	58	NW	3	c	30.28	+0.10	60	55	+3	NW	4	c	*	bc, c	*	60	49	0.01		
	Donaghadee...	30.17	58	NW	3	c	30.19	+0.12	55	53	0	N	3	cq, q	3	c	*	60	47	-		
	Liverpool (Biddston)	30.13	58	N	3	bc	30.20	+0.17	58	54	-1	N	4	c	3	bc	*	61	55	-		
	Holyhead...	30.17	57	N	3	c	30.23	+0.17	58	55	+1	NW	3	bc	2	c	*	60	53	-		
	Parsonstown...	30.23	59	NW	1	c	30.31	+0.18	51	50	-3	NW	1	0	*	c	1.3	61	44	-		
	Valencia...	30.27	60	NNE	2	c	30.36	+0.20	56	54	-3	Z	0	bc	2	c	3.2	64	45	-		
	Roche's Point...	30.23	62	NNE	3	bc	30.35	+0.24	55	52	-3	NW	3	b	2	b	3.8	68	51	-		
	Pembroke (St. Ann's Hd.)	30.15	58	NE	4	bc	30.28	+0.26	59	55	-4	N	3	b	2	bc	*	63	52	-		
	Scilly...	30.13	63	NNE	5	c	30.26	+0.23	62	58	-1	NNE	4	c	3	cp, c	2.7	67	58	-		
GERMANY.	Jersey (St. Aubin's)	30.07	69	NW	3	b	30.20	+0.22	63	58	-2	NNE	4	cm	3	u, b, m	*	70	60	-		
	Portland Bill...	30.07	67	NW	3	c	30.22	+0.22	58	57	-4	N	4	b	3	cm, c	*	71	51	-		
	Dungeness...	30.00	69	N	1	m	30.13	+0.17	58	56	-5	NW	3	m	2	m	*	72	56	0.01		
	London (Brixton)	30.03	70	NW	2	c	30.16	+0.19	57	52	-6	N	3	b	*	b, 0, bc	5.7	76	54	-		
	Oxford...	30.13	60	N	2	c	30.20	+0.20	57	53	-4	NW	3	b	*	c	*	74	50	-		
	Yarmouth...	30.00	63	NNE	3	c	30.11	+0.17	60	56	-4	NW	2	bc	3	0, c	*	65	55	0.02		
	Cuxhaven...	29.94	63	N	1	b	29.94	-0.01	58	54	+3	NW	4	0	*	b	*	64	55	-		
	Berlin...	29.91	64	Z	0	c	29.93	-0.03	56	53	-1	NW	3	b	*	c	*	68	52	-		
	Wiesbaden...	30.02	64	Z	0	bc	30.02	+0.09	63	62	-3	NW	1	r	*	*	*	73	59	0.16		
	Munich...	30.02	64	Z	0	bc	30.06	-0.01	59	58	-5	N	3	0	*	bc	*	73	57	0.67		
SPAIN.	The Helder...	29.97	63	NW	1	b	30.04		62	55		NW	2	b	1	b	*	68	59	0.04		
	Brussels...	30.01	67	NW	1	m	30.10	+0.15	59	58	-3	NE	3	0	*	b	*	74	57	-		
	C. Gris Nez...	30.01	67	NW	1	m	30.10	+0.15	61	58	-3	N	2	m	1	m	*	72	59	0.04		
	Paris...	29.99	69	N	1	b	30.13	+0.17	61	61	-2	NW	2	m	*	b	*	75	59	0.04		
	Brest...	30.09	66	SW	1	b	30.21	+0.17	58	57	-4	NW	3	e	2	b	*	70	54	-		
	Lorient...	30.08	68	NW	5	0	30.18	+0.18	62	60	-2	NNE	3	c	5	0	*	77	57	-		
	Rocheport...	30.04	70	NW	5	bc	30.08	+0.32	64	62	-4	NW	2	b	*	bc	*	73	59	-		
	Belfort...	29.91	70	WSW	2	bc	30.04	+0.06	56	54	-5	WSW	1	f	*	bc	*	72	59	0.08		
	Lyons...	29.97	64	N	1	0	30.08	+0.07	63	61	-1	NW	1	c	*	0	*	82	60	0.24		
	Nice...	29.95	66	E	2	t	29.87	-0.09	69	66	+1	E	7	bc	3	t	*	81	63	0.32		
PEN.	Perpignan...	30.01	77	NW	1	0	30.10	+0.07	70	62	0	NW	3	b	*	0	*	82	67	-		
	Biarritz...	30.08	70	NW	4	bc	30.12	+0.08	66	63	0	NW	2	0	2	bc	*	73	64	-		
	Corunna...	29.97	73	NW	5	bc	29.99	-0.04	72	63	+3	NNE	4	b	*	bc	*	84	64	-		
AZORES.	Azores (P. Delgada)	30.26	69	E	4	b	30.18	-0.08	69	63	+1	NE	2	bc	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 recorded on the Tower of the Wesleyan Training College, Westminster

Bright Sunshine yesterday Southport 7.2 hrs.



# WEATHER CHARTS

FOR *Saturday, 9<sup>th</sup> September, 1899.*

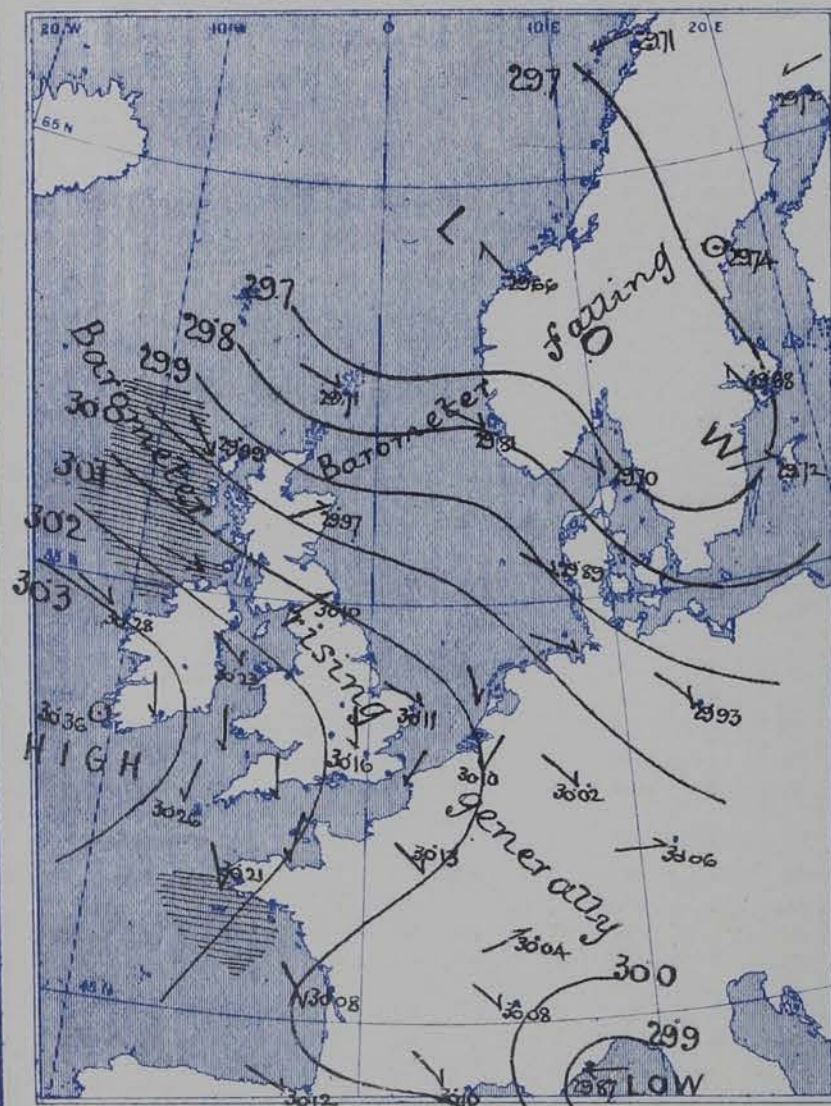
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ⊙  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High

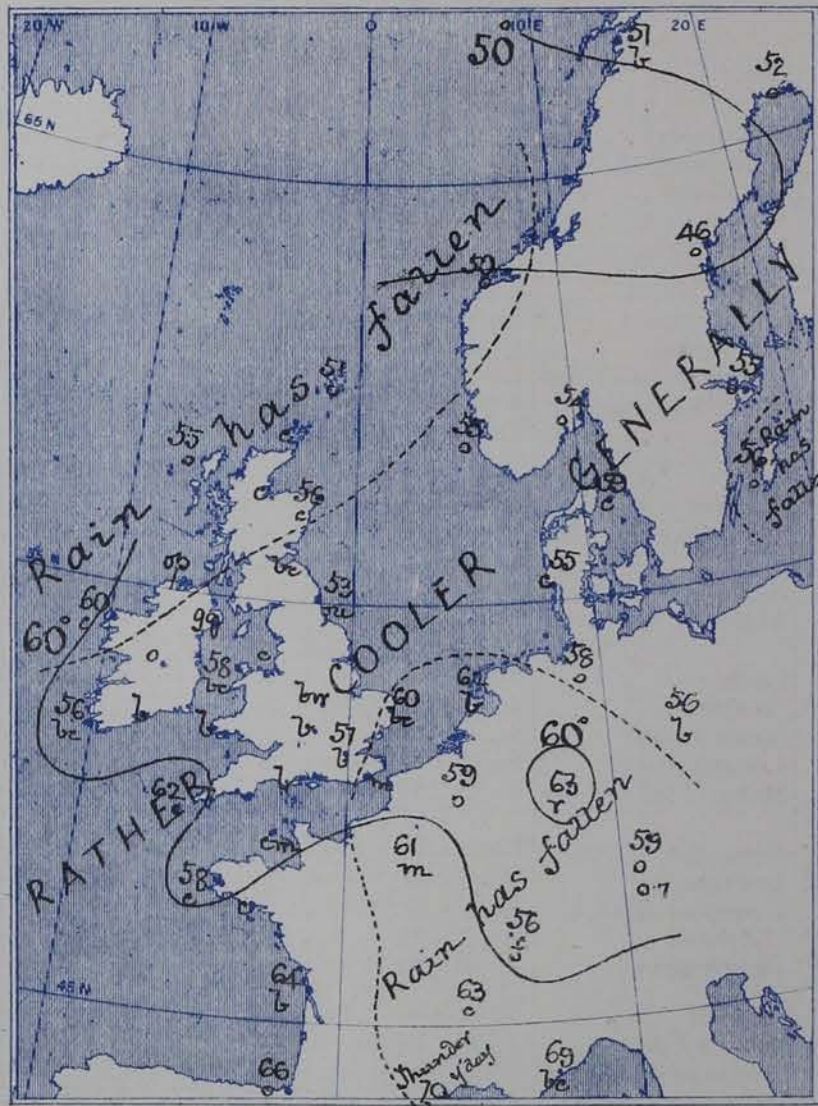


## TEMPERATURE AND WEATHER.

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.								RAINFALL Means, 1866-95.	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum	Daily Minimum.	Maximum.	Years.	Minimum.	Years.			
	(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	76*	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	—	—
Farsonstown	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	51.2	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 the S. of Ireland; 30.1 ins. and upwards in an anticyclone lying over the whole of Ireland, England and the N.W. parts of France. Lowest 29.7 ins. and less in a large and irregularly formed area lying over the S. of Sweden, Norway and the adjacent parts of the ocean. Gradients slight generally, but moderate in the extreme N. Barometer falling in Scandinavia, Denmark and the N.E. of Scotland, but rising elsewhere.
TEMPERATURE	Highest 70° at Perpignan, 69° at Nice, 66° at Biarritz, 64° at Rochefort, & 63° at Jersey, Lyons & Wiesbaden. Lowest 46° at Hernösand, 50° at Christianund, 51° at Rode, Sumbough P. & Parsonstown, & 52° at Haparanda.
WIND	During yesterday the thermometer rose to 70° and upwards over the central & S.W. parts of England generally, and to 76° in London; on our extreme N. and NW coasts it did not reach 60°. W. or NW. over the northern parts of our Islands, and also over Denmark, Germany and the south of Norway, light or moderate in force generally, but strong at Wick and Malin P. E. or NE. in the north of Scandinavia. Light to moderate from the N.W. over the south of our Islands and the neighbouring parts of the Continent; NW. over central and southern France generally, but strong from E. at Nice.
WEATHER	Fair or fine over the greater part of the United Kingdom and France, but showery at Malin P. Cloudy or dull at most of the Scandinavian, Danish and German stations, with rain at Wiesbaden. Since yesterday morning rain has fallen in the extreme N. and NW. of our Islands generally, as well as at many of the Continental stations, and slight showers at some places in the E. and S.E. of England. Thunder has occurred at Nice.
SEA	Rather rough on our extreme NW. coasts, moderate or slight elsewhere.



### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone noticed in the W. yesterday has spread E. over all the more S. parts of the Kingdom. A secondary depression is approaching the Shetlands, - apparently from the NW., and is likely to cause a considerable increase of wind from NW. or N. in the north of Scotland.

## FORECASTS

For the 24 hours ending at NOON on 10<sup>TH</sup> SEPTEMBER 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
10 { SCOTLAND NORTH	NW. to N. winds, strong, a gale in places, squally, some showers.	6 { SCOTLAND WEST	NW. winds, fresh or strong, squally, showery.
11 { SCOTLAND EAST	W. to NW. winds, freshening, fair at first, some showers later.	7 { ENGLAND N.W.	Same as Nos 1 and 2.
2 { ENGLAND N.E.		8 { ENGLAND S.W.	N. to NW. winds, light, fine generally.
3 { ENGLAND EAST		9 { IRELAND NORTH	Same as No. 6.
4 { MIDLAND COUNTIES	NW. to W. winds, light or moderate, fair generally.	10 { IRELAND SOUTH	Same as No. 8.
5 { ENGLAND SOUTH			
		WARNINGS	At 10.15 am today to parts of districts 9 and 10. 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.		WIND.		WEA.		SEA.		BAR.	THER.		WIND.		WEA.		SEA.
		Dry.	Wet.	Dir.	Force.						Dry.	Wet.	Dir.	Force.			
Skudesnaes ...	29.84	57	55	W	4	c	3			Valencia ...	30.23	62	55	N	2	c	5
Sumburgh Head	29.87	53	51	WNW	2	o	4			Scilly ...	30.09	65	62	WNW	4	cp	2
Stornoway...	30.01	58	53	NW	4	o	4			Jersey ...	30.06	69	65	W	3	o	3
Aberdeen ...	30.03	57	50	WNW	3	og	2			Portland Bill ...	30.05	68	67	WNW	3	cm	2
Shields ...	30.06	57	55	NE	2	c	2			Dungeness ...	29.96	71	69	2	o	m	0
Malin Head ...	30.13	59	54	NW	4	c	4			London	29.99	73	63	N	2	bc	*
Belmullet ...	30.23	60	53	NW	1	bc	*			(Westminster)							
Holyhead ...	30.14	60	55	WNW	3	c	2			Yarmouth ...	29.97	65	63	N	3	or	2
										Rochefort ...	29.96	73	72	WNW	5	bc	*

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

*Weather in morning fair or fine over the greater part of our Islands and the Continent, but dull on our extreme N. and NW. coasts, and also in the S. of Norway, with rain at Sumburgh H<sup>d</sup>; passing showers reported at Shields and Scilly. Foggy over Belgium, N. Germany and the Straits of Dover, dull over France and S. Germany, with rain at Limoges and Biarritz. Rain falling late in the extreme N. and NW. of our Islands generally, as well as at many of the Continental stations, and slight showers in the E. and SE. of England.*

*Temperature fallen in most places. Morning readings highest 86° at Algiers, 81° at Naples, and 79° at Athens and La Caille; above 70° at most of the Mediterranean stations. Lowest 45° at Kuopio, and 46° at Bodö; lowest in our Islands 51° at Sumburgh H<sup>d</sup>. Daily maxima below 60° on our own extreme N. and NW. coasts, but thermometer exceeding 70° over central and S.<sup>m</sup> England, and reaching 76° in London; exceeding 80° in the S. of France and in Portugal.*

*Wind light to moderate from the NW<sup>nd</sup> or N<sup>nd</sup> over the greater part of our Islands, and fresh to strong from the same quarters in the west of France. Calm or variable over central and southern Europe generally, but N<sup>ly</sup> or NE<sup>ly</sup> over the Spanish Peninsula. Light to moderate from the W<sup>nd</sup> or NW<sup>nd</sup> over Sweden, Denmark, Russia and the S. of Norway, but SE in the west of Norway. No decided change occurring later.*

*Barometer highest 30.1 ins. and upwards in an anticyclone spreading from the Atlantic over the W. and S. of Ireland, 30.0 ins. and upwards in another system over Switzerland, Italy and the central parts of the Mediterranean. Lowest 29.3 ins. and less in a depression over central Russia, 29.7 ins. and less in a shallow system off the W. of Norway; 29.8 ins. and less in a small but well marked disturbance over the W. of France. Anticyclone in W. subsequently spreading eastwards, depression over W.<sup>m</sup> France moving to the Gulf of Genoa.*

### 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 *Sunday, 10<sup>th</sup> September, 1899.*  
 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	Dir.	Force (0 to 12.)	Weather		At 32° Fahr. and M.S.L.	Change since Yester- day.	Dry Bulb	Wet Bulb	Change since Yester- day.	Dir.	Force (0 to 12.)	Weather	Sea (0 to 5.)	Weather.	Hours of Bright Sun- shine.	Max.	Min.	Rainfall.
	Ins.	"					Ins.	Ins.	"	"	"									ins.
SCANDINAVIA.	Haparanda ...	29.88	44	NE	2	bc	30.03	+31	43	41	-9	N	2	0	*	bc	*	56	43	-
	Hernösand ...	29.80	45	Z	0	0	29.86	+12	51	50	+5	NE	4	1	*	0	*	57	36	0.12
	Stockholm ...	29.69	53	SE	4	0	29.69	+01	51	50	-4	NE	2	1	*	0	*	61	50	0.04
	Wisby ...	29.66	57	WSW	4	c	29.64	-08	57	56	+1	W	4	0	*	c	*	61	50	-
	Karlstad ...	29.61	54	N	2	c	29.68	-05	51	48	-4	NE	6	0	*	c, r	*	*	*	-
	Bodö ...	29.80	52	ENE	2	bc	29.94	+23	51	48	0	E	4	1	*	bc	*	55	46	-
	Christiansund ...	29.72	48	Z	0	c	29.86	+20	49	48	-1	NE	1	bc	4	c	*	54	46	0.12
	Skudesnaes ...	29.73	50	NNW	6	0	29.73	-08	49	48	-6	N	6	0	3	0	*	57	46	4
	Færder (X'ania Fjord)	29.58	59	WSW	2	c	29.63	-04	53	51	-1	N	4	0	2	c	*	63	52	-
	The Scaw (Skagen)	29.65	55	WNW	4	0	29.61	-09	52	50	-1	Z	0	0	0	0	*	61	46	-
BRITISH ISLANDS.	Fanö ...	29.79	54	WNW	6	r	29.67	-22	51	48	-4	WNW	6	cp	*	r	*	63	48	0.32
	Sumburgh Head ...	29.86	46	NW	4	c	30.00	+29	52	50	+1	N	5	0	5	c	*	54	45	0.17
	Stornoway ...	30.09	56	WNW	5	c	30.16	+17	51	49	-4	N	1	0	2	c	5.9	59	44	0.03
	Wick ...	29.97	53	NW	6	0	30.11	+23	52	50	-3	WNW	5	0	4	0	*	58	45	0.03
	Nairn ...	30.07	52	NW	3	c	30.15	+18	51	48	-4	W	2	1	1	c	*	60	47	0.08
	Aberdeen ...	30.03	53	NW	4	bc	30.11	+14	53	48	-3	NW	5	bc, g	4	g, bc, g	8.7	61	46	0.04
	Leith ...	30.05	61	W	4	bc	30.14	+10	55	48	-2	NW	2	c	*	bc	*	69	47	-
	Shields ...	30.04	63	W	4	bc	30.11	+01	53	48	0	NW	4	bc	2	bc	*	66	45	-
	Spurn Head ...	30.05	61	WNW	6	c	30.07	-05	53	50	-4	NW	5	c	4	c	*	64	50	-
	Loughborough ...	30.16	60	WNW	3	bc	30.15	-03	52	50	-3	NW	1	cw	*	bc, c	*	66	47	-
FRANCE & NETHERLANDS.	Malin Head ...	30.18	57	WNW	5	0	30.17	+04	55	52	-2	N	1	og	1	0	*	59	53	0.02
	Belmullet ...	30.30	59	WNW	2	r	30.25	-03	62	61	+2	NW	1	0	*	bc	*	62	53	0.06
	Donaghadee ...	30.19	58	WNW	1	0	30.18	-01	55	53	0	WSW	1	og	2	0	*	64	53	0.09
	Liverpool (Bidston) ...	30.17	60	W	6	c	30.16	-04	57	53	-1	WNW	4	0	4	cp	*	62	56	0.05
	Holyhead ...	30.22	61	WNW	4	c	30.18	-05	57	57	-1	N	1	op	1	c	*	62	55	0.06
	Parsonstown ...	30.30	60	SW	1	0	30.22	-09	62	61	+11	W	1	d	*	c, 0	3.2	65	50	0.16
	Valencia ...	30.36	62	WNW	3	c	30.34	-02	62	60	+6	WNW	2	og	4	bc, c	11.4	63	55	-
	Roche's Point ...	30.32	65	WNW	3	b	30.26	-09	63	61	+8	WNW	5	c	3	b	*	67	54	-
	Pembroke (St. Ann's Hd.)	30.29	61	NW	3	b	30.23	-05	59	59	0	NW	5	tg	4	b	10.9	62	58	0.01
	Scilly ...	30.31	62	N	4	bc	30.30	+04	63	60	+1	WNW	3	0	1	bc	10.9	65	58	-
SPAN. PEN.	Jersey (St. Aubin's) ...	30.24	65	NW	5	b	30.27	+07	65	60	+2	WNW	3	bc	3	b	*	66	58	-
	Portland Bill ...	30.27	65	WNW	5	b	30.21	-01	61	61	+3	WNW	5	0	4	bc, b	*	68	54	-
	Dungeness ...	30.13	65	N	3	bc	30.11	-02	57	55	-1	WNW	3	c	3	bc	*	68	51	-
	London (Belzon) ...	30.16	64	WNW	3	bc	30.14	-02	59	55	+2	NW	3	0	*	bc, c	8.9	69	52	-
	Oxford ...	30.20	59	NW	3	b	30.15	-05	58	57	+1	W	2	0	*	b	*	67	54	-
	Yarmouth ...	30.07	62	WNW	4	c	30.02	-09	54	52	-6	WNW	3	cm	3	bc, c	*	65	49	-
	Cuxhaven ...	29.90	59	WNW	4	0	29.77	-17	53	48	-5	NW	4	0	*	0	*	61	50	0.16
	Berlin ...	29.90	58	WNW	4	0	29.76	-17	54	52	-2	W	3	c	*	0	*	70	52	0.08
	Wiesbaden ...	...	...	...	...	...	29.95	-07	57	54	-6	NW	4	0	*	*	*	64	54	0.04
	Munich ...	30.07	56	W	3	r	29.99	-07	53	52	-6	NW	5	0	*	r	*	66	52	0.01
FRANCE & NETHERLANDS.	The Helder ...	29.99	61	WNW	4	c	29.90	-14	56	52	-6	NW	6	r	6	c	*	63	54	0.20
	Brussels ...	...	...	...	...	...	30.01	-09	57	52	-2	WNW	3	0	*	b	*	63	51	0.04
	C. Gris Nez ...	30.12	63	N	2	b	30.06	-04	57	55	-4	N	5	0	5	b	*	66	55	-
	Paris ...	30.14	64	WNW	3	b	30.17	+04	55	54	-6	SSW	1	c	*	b	*	71	60	0.04
	Brest ...	30.27	64	N	2	b	30.33	+12	58	57	0	N	1	b	2	b	*	68	52	-
	Lorient ...	30.24	64	NNE	4	c	30.31	+13	58	57	-4	N	4	b	3	c	*	73	55	-
	Rochefort ...	30.12	70	NW	4	b	30.25	+17	60	58	-4	NE	3	b	*	b	*	75	57	-
	Belfort ...	30.02	64	W	3	m	30.08	+04	54	51	-2	WSW	5	m	*	m	*	72	52	-
	Lyons ...	30.08	68	N	1	c	30.17	+09	59	57	-4	WNW	2	c	*	b	*	77	57	-
	Nice ...	30.06	76	WNW	3	b	30.12	+02	71	63	+1	W	3	b	*	b	*	82	68	-
SPAN. PEN.	Perpignan ...	30.14	72	WNW	3	b	30.19	+07	69	64	+3	W	4	c	4	b	*	73	54	-
	Biarritz ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
SPAN. PEN.	Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lisbon ...	30.01	80	SW	1	b	30.11	+12	75	63	+3	NE	4	b	*	b	*	91	68	-
SPAN. PEN.	Azores (P. Delgada) ...	30.22	68	NNE	3	b	30.18	-00	69	65	0	NNE	3	c	3	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 recorded on the Tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport 4.6 hrs.



# WEATHER CHARTS

FOR Sunday, 10<sup>th</sup> September, 1899.

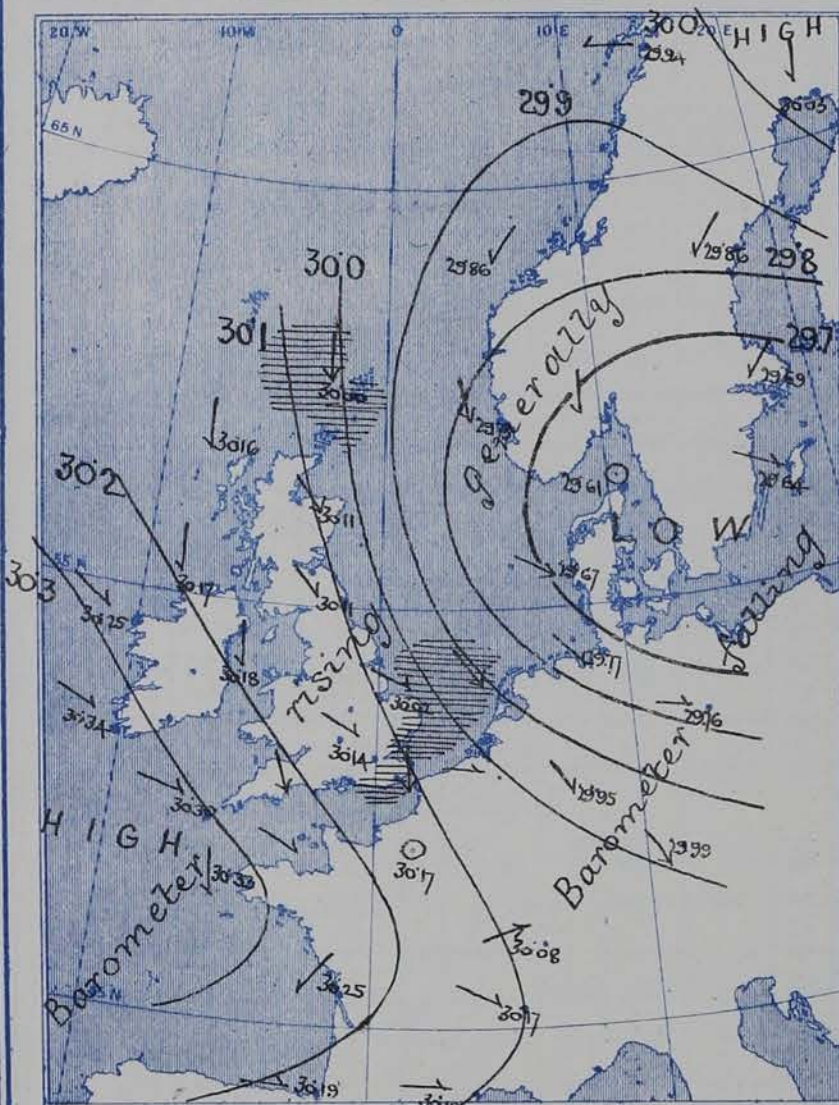
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ☉  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High

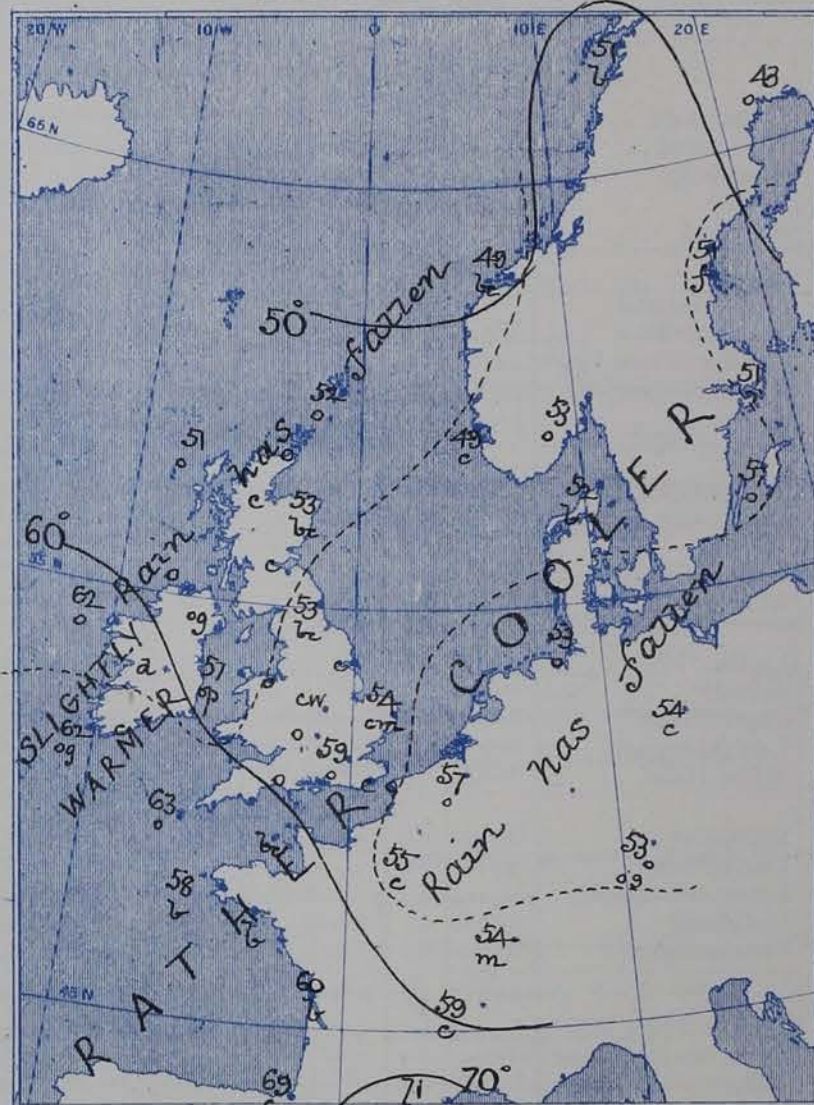


## TEMPERATURE AND WEATHER.

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. <i>(Inches.)</i>	TEMPERATURE OF AIR. 1871-95.								RAINFALL Means, 1866-95. <i>(Inches.)</i>	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum. °	Years.	Minimum. °	Years.			
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 30.34 ins. ~~and upwards~~ at Valencia (Ireland), 30.33 ins. at Brest, 30.2 ins. and upwards in an anticyclone lying over all the SW<sup>m</sup> parts of our Islands and the W. of France. Lowest 29.7 ins. and less in a large depression over Denmark, the Baltic & the S. of Sweden. Gradients slight generally, but moderate over N. Germany and the North Sea. Barometer falling a little in many parts of Ireland and England, and more decidedly in Denmark and Germany, but rising elsewhere.

### TEMPERATURE

Highest 75° at Lisbon, 71° at Perpignan, 69° at Biarritz, 65° at Jersey, & 63° at Poses P. and Sicily. Lowest 43° at Haparanda, 49° at Christiansund & Skudesnaes, & 51° at Hernösand, Stockholm, Karlstad, Stornoway and Nain. During yesterday the thermometer rose to 65° and upwards in many parts of the United Kingdom and to 69° at Leith and in London.

### WIND

Light to fresh from the NW. over the United Kingdom and Germany, and strong from the same quarter on the eastern and southern shores of the North Sea; NE<sup>7</sup> over the greater part of Scandinavia, N. to NE<sup>7</sup> in the west of France, but W<sup>7</sup> in the south of that country.

### WEATHER

Cloudy or dull over our Islands generally, with slight rain at some of the W<sup>m</sup> stations. Fine on the N<sup>e</sup> coasts of Gt. Britain, and also in the W. of Norway and the W. and S. of France; cloudy over Sweden, Denmark, Germany and the Netherlands, with rain at Stockholm and the Helder.

### SEA

Since yesterday morning slight rain has fallen in the NW. and extreme N. of our Islands generally, and larger amounts in several parts of Scandinavia, Denmark, Germany & the Netherlands. Moderate to smooth generally, but rough at the Helder, and rather rough at Simsbury Pt. and Cape Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS

For the 24 hours ending at NOON on 11<sup>TH</sup> SEPTEMBER 1899.

### DISTRICTS.

### FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

NONE ISSUED

### DISTRICTS.

### FORECASTS.

- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH

WARNINGS

NONE ISSUED

AT 9.40 AM TODAY TO PARTS OF DISTRICTS 0 AND 1 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.E.). 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.		WIND.		WEA.		SEA.			BAR.	THER.		WIND.		WEA.		SEA.	
		Dry.	Wet.	Dir.	Force.							Dry.	Wet.	Dir.	Force.				
Skudesnaes ...	29.75	57	51	HW	4	C	3			Valencia ...	30.39	63	57	WHW	3	b. w	4		
Sumburgh Head.	29.84	56	47	HW	4	C	5			Scilly ...	30.31	64	59	H	4	bc	2		
Stornoway...	30.07	59	52	WHW	6	C	6			Jersey ...	30.24	65	59	WHW	3	bc	3		
Aberdeen ...	30.00	55	51	HW	6	bc	4			Portland Bill ...	30.24	68	67	WHW	3	bc	2		
Shields ...	30.11	64	62	W	4	bc	2			Dungeness ...	30.13	67	57	H	5	bc	4		
Malin Head ...	30.16	58	57	WHW	6	O	6			London									
Belmullet ...	30.34	62	58	W	3	O	*			(Westminster)	30.16	67	57	H	3	bc	*		
Holyhead ...	30.24	62	57	W	4	C	3			Yarmouth	30.11	64	56	HW	4	bc	3		
										Rocheport	30.16	73	71	WHW	3	b	*		

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

Weather in morning fast or fine over the greater part of the United Kingdom, France and Southern Europe. Cloudy or dull in the northern, eastern and central countries with rain in isolated parts of Russia and Germany. A little rain falling later in the northwest and extreme north of our Islands, and larger amounts at some of the continental stations;— as much as 0.9 inch at Munich.

Temperature fallen in most countries. Morning readings highest 83° at La Caille, 82° at Algiers and Lhas and 81° at Tunis; considerably above 70° at several of the Mediterranean and Spanish coast stations. Lowest 44° at Riga, 46° at Krasnodar and 47° at Rango and Helsingfors, lowest in our Islands 51° at Sumburgh Head and Papenstoun. Rising during day to 65° and upwards in many parts of the United Kingdom and to 69° at Leith and in London; exceeding 75° in the south of France and reaching 82° at Perpignan; touching 91° at Lisbon.

Wind Westly to Northwesterly over the northern parts of our Islands and also over the south of Norway, Denmark, Germany and Austria; light or moderate in force generally, but strong on some of the more exposed parts of our own extreme north and northwest coasts.

Northly over the south of our Islands and the adjacent parts of the Continent; Northwesterly in the west and south of France; Northly to Easterly over the Spanish Peninsula. Variable in Italy and also in the south of Russia; Northeasterly in the northern parts of Russia and Scandinavia. No important change occurring during day.

Barometer highest 30.3 inches and upwards over the south of Ireland, 30.1 inches and upwards in an anticyclone lying over the whole of Ireland, England, the Bay of Biscay and the northern parts both of France and Spain. Lowest 29.5 inches and less in a large shallow depression over Northern Russia; 29.7 inches and less in another large and irregularly formed area over the south of Sweden, Norway and the adjacent parts of the ocean. Latter disturbance moving eastwards later and barometer rising briskly on our own extreme northern coasts.

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

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

\* 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, 11<sup>th</sup> September,* 1899.  
 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 82° and M.S.L.	Dry Bulb	Direc.	Force (0 to 12.)	Weather		At 82° 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	48	Z	0	bc	30.18	+15	44	42	+1	Z	0	b	*	bc	*	50	39	-
	Hernösand ...	30.06	49	NE	4	0	30.14	+28	49	48	-2	NE	4	f	*	0	*	52	41	0.32
	Stockholm ...	29.84	55	NE	4	0	29.95	+26	53	53	+2	EHE	6	f	*	0	*	55	48	0.28
	Wisby ...	29.78	51	SW	4	b	29.82	+18	56	55	-1	S	4	0	*	b	*	59	48	0.71
	Karlstad ...	29.88	53	NE	2	0	29.99	+31	52	50	+1	NE	4	0	*	0	*	*	*	0.12
	Bodo ...	30.05	52	Z	0	b	30.07	+13	51	47	0	E	1	c	1	b	*	57	46	-
	Christiansund ...	29.98	53	Z	0	b	30.00	+14	50	47	+1	Z	0	b	2	b	*	57	46	-
	Skudesnaes ...	29.95	55	H	4	b	30.02	+29	51	50	+2	E	1	b	2	b	*	59	46	-
	Færder (X'iania Fjord)	29.88	55	NNE	6	0	30.00	+37	53	50	0	NNE	6	0	3	0	*	55	52	-
	The Scaw (Skagen)	29.82	54	NE	4	r	29.95	+34	55	53	+3	NE	4	r	1	r	*	59	52	0.12
BRITISH ISLANDS.	Fanø ...	29.79	53	NNE	5	c	29.95	+28	54	53	+3	H	4	c	*	c	*	61	48	0.24
	Sumburgh Head ...	30.07	51	H	4	c	29.90	-10	49	49	-3	S	3	0	5	c	*	56	46	0.05
	Stornoway ...	30.15	52	S	1	0	29.94	-22	58	57	+7	HW	4	r	4	0	0.0	58	48	0.35
	Wick ...	30.14	50	NNE	3	0	29.87	-24	55	54	+3	S	1	r	2	0.7	*	55	42	0.66
	Nairn ...	30.18	55	Z	0	b	29.94	-21	57	56	+6	W	1	0	1	b	*	61	47	0.23
	Aberdeen ...	30.18	51	NNE	2	c	29.96	-15	51	50	-2	SW	2	og p	2	c	2.7	56	45	0.10
	Leith ...	30.16	57	Z	0	0	30.02	-12	58	57	+3	WSW	3	0	*	0	*	61	52	0.03
	Shields ...	30.17	54	NNE	2	c	30.10	-01	52	52	-1	SW	2	r	2	c	*	57	50	0.06
	Spurn Head ...	30.13	56	NNE	5	c	30.17	+10	54	51	+1	W	3	0	3	c	*	57	51	-
	Loughborough ...	30.18	57	NNE	1	c	30.22	+07	53	51	+1	W	2	om w	*	c.b. om	*	62	42	-
FRANCE & NETHERLANDS.	Malin Head ...	30.17	55	SE	2	m	30.11	-06	59	58	+4	W	5	0	4	o.f.m	*	59	55	0.05
	Belmullet ...	30.27	62	WSW	1	rm	30.21	-04	62	60	0	WSW	1	c	*	o.rm	*	63	58	0.06
	Donaghadee ...	30.21	52	H	1	r	30.14	-04	62	61	+7	WNW	4	c g	3	r	*	62	51	0.08
	Liverpool (Bidston)	30.20	56	NNE	2	0	30.19	+03	57	56	0	SW	1	r	?	0	*	59	54	0.01
	Holyhead ...	30.20	57	H	1	0	30.20	+02	61	60	+4	WSW	2	og m	1	0	*	61	54	0.01
	Parsonstown ...	30.24	68	W	1	c	30.25	+03	61	59	-1	W	1	0	*	c	2.1	70	60	0.01
	Valencia ...	30.33	62	W	3	o.d.m	30.28	-06	61	54	-1	Z	0	bc	3	o.d.m	0.0	63	58	0.02
	Roche's Point ...	30.30	67	NNE	5	c	30.29	+03	63	60	0	NNE	2	bc	2	bc	*	69	58	-
	Pembroke (St. Ann's Hd.)	30.22	62	NNE	3	c	30.26	+03	62	61	+3	W	4	c	2	o.c	0.4	69	59	0.06
	Scilly ...	30.29	64	NNE	4	c	30.29	-01	64	62	+1	NNE	1	0	1	o.c	1.5	66	61	-
GERMANY.	Jersey (St. Aubin's)	30.21	64	W	4	c g	30.27	-00	62	59	-3	NNE	1	og	1	o.c g m	*	68	60	-
	Portland Bill ...	30.17	65	NNE	4	c	30.26	+05	61	60	0	S	1	0	2	c	*	65	54	-
	Dungeness ...	30.11	60	H	3	c	30.21	+10	56	52	-1	HW	3	c	2	c	*	64	44	-
	London (Brixton)	30.16	60	NNE	2	c	30.28	+09	51	48	-8	WSW	1	0	*	o.b.c	1.2	66	43	-
	Oxford ...	30.21	57	Z	0	0	30.24	+09	52	51	-6	SW	1	ow	*	p.c	*	62	45	-
	Yarmouth ...	30.09	57	HW	4	c	30.15	+13	56	53	+2	HW	4	c	3	c	*	59	49	0.03
	Cuxhaven ...	29.70	54	H	5	bc	29.92	+15	52	53	+1	H	5	bc	*	bc	*	55	52	0.16
	Berlin ...	29.73	51	H	3	b	29.85	+09	47	46	-7	W	2	bc	*	b	*	59	43	0.04
	Wiesbaden ...	*	*	*	*	*	29.98	+03	53	51	-4	H	6	bc	*	*	*	59	50	0.32
	Munich ...	29.99	45	W	5	0	29.96	-03	42	41	-11	W	6	0	*	0	*	61	42	1.38
SPAN.	The Helder ...	29.91	60	NNE	6	c	30.06	+16	60	56	+4	H	3	c	4	c	*	61	54	0.59
	Brussels ...	*	*	*	*	*	30.14	+13	57	54	0	NNE	2	c	*	b	*	61	48	0.28
	C. Gris Nez ...	30.08	59	H	4	bc	?	?	56	55	-1	NNE	4	c	4	bc	*	63	54	-
	Paris ...	30.12	59	HW	2	r	30.23	+06	48	?	-7	Z	0	b	*	r	*	67	45	0.16
	Brest ...	30.29	64	HW	1	f	30.32	-01	62	61	+4	H	1	c	2	f	*	?	?	-
	Lorient ...	30.26	68	HW	4	0	30.27	-04	64	63	+1	NNE	3	c	3	b	*	73	?	-
	Rocheport ...	30.21	68	NNE	4	b	30.24	-01	64	59	+4	NNE	4	0	*	b	*	72	57	-
	Belfort ...	30.00	54	WSW	7	r	30.13	+05	46	45	-8	WSW	5	m	*	r	*	64	42	-
	Lyons ...	30.13	62	H	1	c	30.20	+03	52	48	-7	H	2	b	*	c	*	68	50	0.04
	Nice ...	29.65	73	E	2	c	29.80	?	68	54	-7	Z	0	b	1	c	*	84	64	-
PEN.	Perpignan ...	30.05	77	HW	4	c	30.12	-00	67	55	-4	W	4	b	*	c	*	81	64	-
	Biarritz ...	30.20	69	NNE	3	0	30.20	+01	68	63	-1	HW	2	0	2	0	*	72	57	-
	Corunna ...	30.13	79	WSW	4	b	30.15	+04	78	69	+3	NE	4	c	*	b	*	95	73	-
SPAN.	Lisbon ...	30.19	68	H	3	bc	30.13	-05	68	65	-1	NNE	3	c	2	bc	*	75	64	0.47
	Azores (P. Delgada)	30.19	68	H	3	bc	30.13	-05	68	65	-1	NNE	3	c	2	bc	*	75	64	0.47

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 recorded on the Tower of the Wesleyan Training College, Westminster

Bright Sunshine yesterday Southport 0.1 hrs.



# WEATHER CHARTS

FOR *Monday, 11<sup>th</sup> September, 1899.*

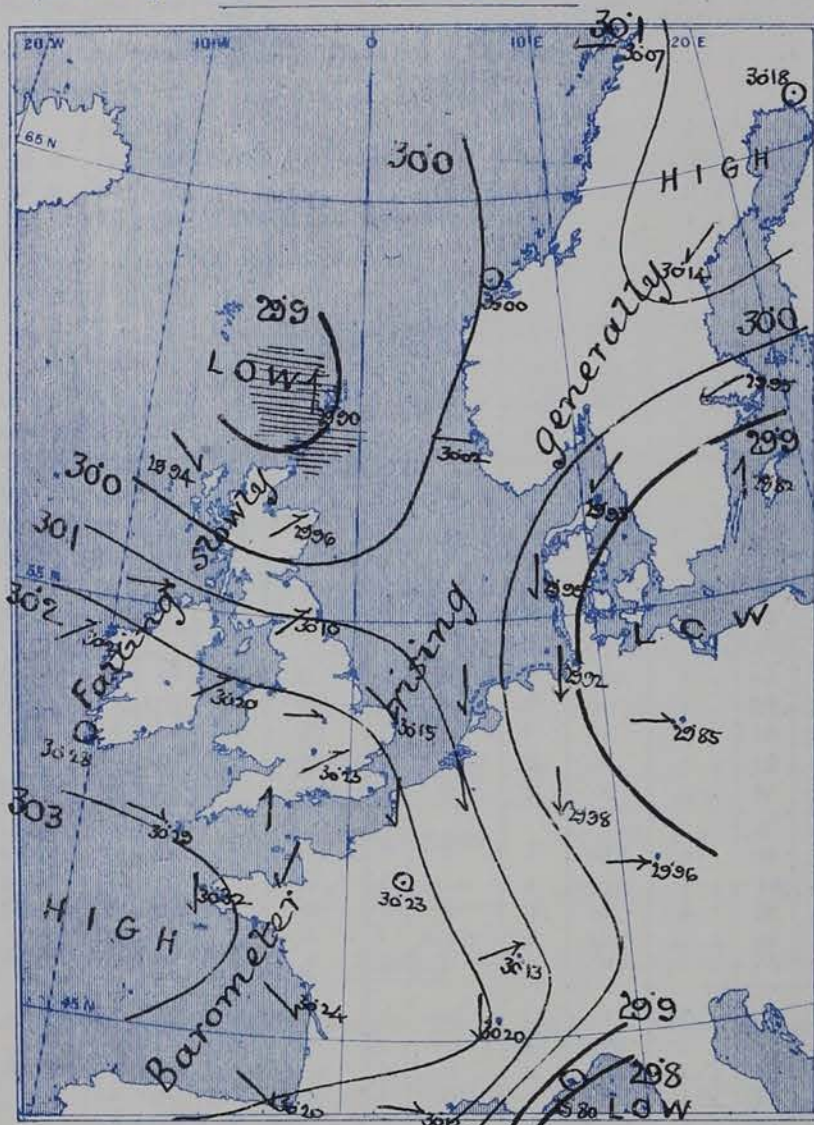
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ☉  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High

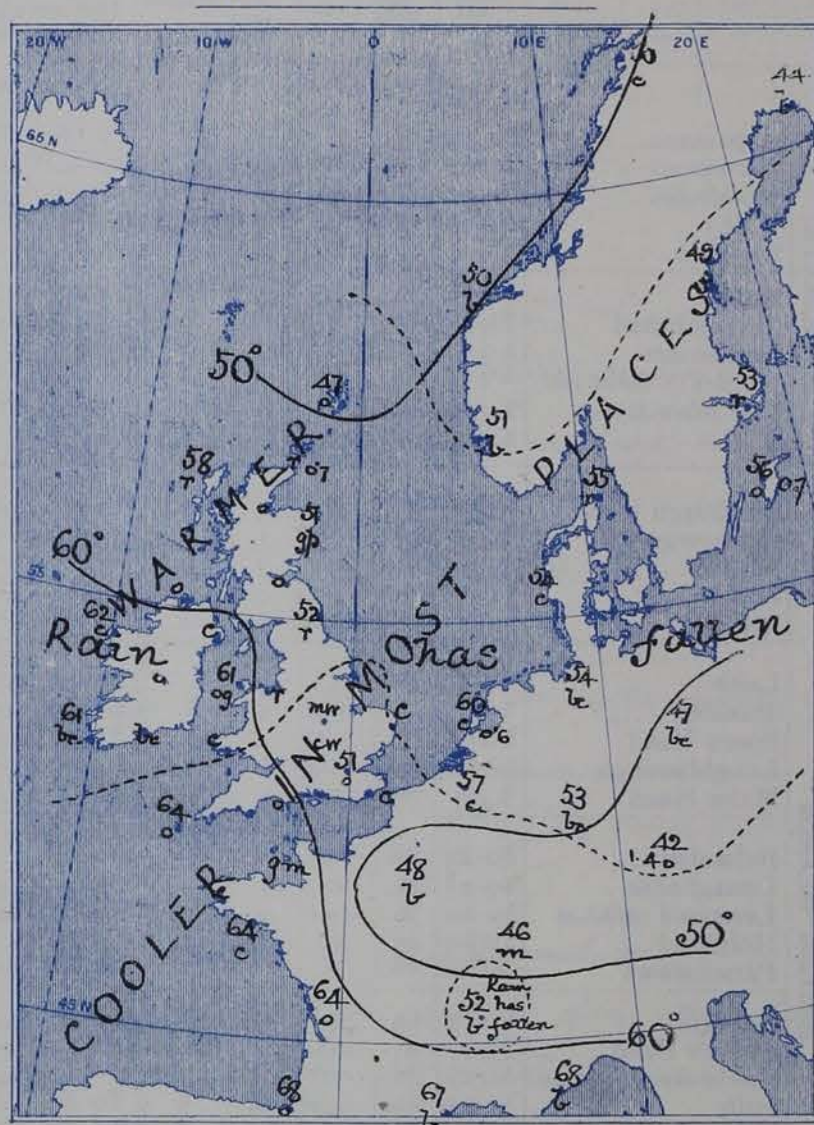


## TEMPERATURE AND WEATHER.

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.								RAINFALL Means, 1866-95.	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Years.	Minimum.	Years.			
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	76*	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	<p>Highest 30.32 ins. at Brest, 30.2 ins. and upwards in an anticyclone lying over the greater part of Ireland, England and France.</p> <p>Lowest 29.8 ins. and less in a well marked depression over the Gulf of Genoa, 29.9 ins. and less in two other systems, - one lying off the N. of Scotland, &amp; the other over the Baltic, N. Germany, &amp; the S. of Sweden.</p> <p>Gradients slight generally, but steep over the S.E. of France.</p> <p>Barometer falling a little in most parts of Ireland and Scotland, but rising elsewhere.</p>
TEMPERATURE	<p>Highest 75° at Lisbon, 68° at Nice and Biarritz, 67° at Perpignan, &amp; 64° at Scilly, Lorient &amp; Rochefort.</p> <p>Lowest (1) 44° at Haparanda, (2) 42° at Munich, 46° at Belfort, 47° at Berlin, and 48° at Paris, (3) 51° in London and 52° at Oxford.</p> <p>During yesterday the thermometer rose to 65° and upwards over the S.W. parts of our Islands generally, and to 70° at Darnleytown.</p>
WIND	<p>Light to moderate from the W. or S.W. over the greater part of the United Kingdom, but variable on our southern coasts; light from the N.W. in the west of France.</p> <p>Moderate to strong from the N.E. in Sweden and the south of Norway; N. over Denmark and western Germany; W. over central and southern Germany.</p>
WEATHER	<p>Fine in the S. of Ireland, and also over the W. of Norway and the central &amp; S. parts of France. Cloudy or dull elsewhere, with rain at several of our own N.W. stations, as well as at Stockholm and the Scars.</p> <p>Since yesterday morning rain has fallen in the W. and N. of our Islands generally, as well as in the N.W. and central parts of the Continent, the largest amounts being 1.4 in. at Munich, 0.7 in. at Wisley and Wick, and 0.6 in. at the Kelder.</p>
SEA	<p>Moderate to smooth generally, but rather rough at Sumburgh H.</p>


### PROBABLE CHANGES IN SYSTEM NOW PREVALENT


The depression in the N. is inclined to spread a little to the S.W., and slight rain is probable in many parts of Gr. Britain.

## FORECASTS

For the 24 hours ending at NOON on 12<sup>TH</sup> SEPTEMBER 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SW. to W. or NW. winds, moderate or fresh, some rain at first, then fair.	6 { SCOTLAND WEST	W. or NW. winds, fresh, cloudy, showery.
1 { SCOTLAND EAST		7 { ENGLAND N.W.	SW. to W. winds, moderate, cloudy, some showers.
2 { ENGLAND N.E.		8 { ENGLAND S.W.	NW. to W. winds, light, fair at first, some rain later.
3 { ENGLAND EAST	Same as No. 5.	9 { IRELAND NORTH	Same as No. 6.
4 { MIDLAND COUNTIES		10 { IRELAND SOUTH	Same as No. 8.
5 { ENGLAND SOUTH	SW. and W. winds, light, cloudy, with slight rain in places.	WARNINGS	
		None issued.	

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.		WEA.	SEA.		BAR.	THER.		WIND.		WEA.	SEA.
		Dry.	Wet.	Dir.	Force.					Dry.	Wet.	Dir.	Force.		
Skudesnaes ...	29.86	59	53	N	6	b	3	Valencia ...							
Sumburgh Head								Scilly ...							
Stornoway ...	30.17	57	52	Z	0	0	0	Jersey ...	30.20	67	61	nnw	5	0	4
Aberdeen ...								Portland Bill ...							
Shields ...								Dungeness ...	30.11	62	54	n	4	c	3
Malin Head ...	30.18	57	55	E	2	0	2	London							
Belmullet ...	30.27	63	61	nnw	3	0	*	(Westminster)							
Holyhead ...								Yarmouth							
								Rocheport	30.24	71	68	nnw	2	bc	*

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

*Continental information not received.*

### SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 3<sup>RD</sup> TO 9<sup>TH</sup> SEPT.

Shortly after the commencement of this period the anticyclone which had spread over our S<sup>m</sup> districts at the close of the previous week moved E<sup>ly</sup> to central and finally to SE<sup>m</sup> Europe, while a well marked depression skirted our own extreme W<sup>m</sup> and N<sup>m</sup> coasts. The latter system occasioned strong S<sup>ly</sup> winds and rain in many parts of Ireland and Scotland, but over England and the greater part of the Continent the weather was mostly fair or fine, the thermometer rising steadily, and reaching a maximum of 89° in London on the 5<sup>th</sup>.

As the depression in the W. travelled away to the northward a new anticyclone began to spread over our Islands from the Atlantic, and in the hollow existing between this and the former high pressure system numerous small shallow disturbances were developed over England and France. The winds in these countries therefore became light and variable, and the weather very unsettled, with thunderstorms and heavy rain in many places. In London a sharp thunderstorm on the 6<sup>th</sup> was accompanied at Brighton by an inch of rain, nearly the whole of which fell in the space of less than half an hour.

Towards the close of the week the small depressions all disappeared, while the anticyclone in the W. spread eastwards over France, and all the more S<sup>m</sup> parts of our Islands. The weather in these regions therefore became fine again, with variable breezes from the N<sup>w</sup> or NW<sup>w</sup>. Over the N<sup>m</sup> parts of our Islands and the Continent the conditions were affected by depressions advancing over Scandinavia from the W<sup>w</sup>, and on the 9<sup>th</sup> the wind in the N. of Scotland blew with considerable strength from the NW<sup>w</sup>, while rain fell on our NW<sup>m</sup> and extreme N<sup>m</sup> coasts 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

TUESDAY SEPTEMBER 12<sup>TH</sup>

1899.

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.		Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.			
		At 82° and M.S.L.	Dry Bulb	Direc.	Force (0 to 12.)	Weather	At 82° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb	Wet Bulb	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather	Max				Min.	Rainfall.		
		Ins.	°				Ins.	Ins.	°	°	°								Ins.			
SCANDINAVIA.	Haparanda...	30.21	43	2	0	b	30.23	+0.5	45	43	+1	S	2	c	.	b	.	32	34	—		
	Hernösand...	30.14	49	2	0	+	30.21	+0.4	51	50	+2	S	0	o	.	+	.	34	45	—		
	Stockholm...	30.01	54	E	4	o	30.09	+0.4	55	54	+2	E	4	o	.	o	.	55	50	0.12		
	Wisby...	29.97	56	SE	4	be	30.01	+0.9	58	57	+2	SE	4	o	.	be	.	61	46	0.08		
	Karlstad...	29.99	52	NNE	2	o	30.08	+0.9	53	52	+1	NE	2	o	.	o	.	.	.	0.08		
	Bodo...	30.06	53	E	2	be	30.06	-0.1	51	48	0	E	2	b	1	be	.	57	46	—		
	Christiansund...	29.97	53	2	0	be	30.01	+0.1	54	50	+4	2	0	be	2	be	.	57	48	—		
	Skudesnaes...	30.00	53	2	0	o	30.09	+0.7	55	53	+4	SE	2	c	5	c.o	.	59	48	—		
	Færder (X'ania Fjord)	29.99	58	NNE	4	o	30.12	+1.2	54	52	+1	NNE	4	o	2	o	.	58	52	0.12		
	The Scaw (Skagen)	29.95	54	NNE	2	+	30.01	+0.6	55	53	0	ENE	2	o	0	+	.	59	54	0.08		
Fanø...	29.97	56	NW	4	c	30.02	+0.7	55	53	+1	NW	4	c	.	c	.	64	48	—			
BRITISH ISLANDS.	Sumburgh Head...	29.66	52	NW	3	c	30.01	+1.1	52	51	+3	NW	1	o	4	op.c	.	54	46	0.16		
	Stornoway...	30.05	56	NW	3	o	29.94	0.0	58	57	0	NW	4	o	4	o	3.9	58	50	0.03		
	Wick...	29.98	53	S	3	o	30.01	+1.4	56	53	+1	S	2	be	2	o	.	59	45	0.03		
	Nairn...	30.05	57	NW	2	be	30.02	+0.8	55	52	-2	2	0	b	0	be	.	64	45	—		
	Aberdeen...	30.03	57	NW	3	be	30.08	+1.2	58	54	+4	SE	3	be	3	be	7.5	67	45	—		
	Leith...	30.01	64	NW	3	o	30.09	+0.7	56	53	-2	NW	1	be	.	o	.	71	46	—		
	Shields...	30.02	64	NW	2	c	30.13	+0.3	58	57	+6	SE	1	be	2	t.c	.	68	50	0.05		
	Spurn Head...	30.14	63	NW	4	o	30.15	-0.2	57	55	+3	N	3	c	2	t.o	.	64	54	0.03		
	Loughborough...	30.12	64	NW	2	o	30.17	-0.5	57	55	+4	SE	1	be	.	od.c.m	.	69	53	0.01		
	Malin Head...	30.11	59	NW	2	of	30.06	-0.5	60	58	+1	NW	3	be	2	f.c.g	.	61	58	0.09		
FRANCE & NETHERLANDS.	Belmullet...	30.14	63	NW	1	c	30.15	-0.6	62	60	0	NW	1	o	.	o.c	.	63	59	0.03		
	Donaghadee...	30.12	60	NW	3	be	30.11	-0.3	60	59	-2	NW	3	cp	3	be	.	68	55	0.07		
	Liverpool (Bidston)	30.12	61	NW	4	o	30.15	-0.4	60	58	+3	NW	1	o	1	p.o	.	64	57	0.03		
	Holyhead...	30.15	63	N	2	c	30.16	-0.4	60	59	-1	N	1	om	1	c	.	66	57	—		
	Parsonstown...	30.19	64	N	1	o	30.18	-1.0	59	58	-2	SE	1	o	.	o	2.9	68	57	0.01		
	Valencia...	30.25	62	NW	2	c	30.16	-1.2	61	58	0	SE	1	o	3	od.m.c	3.1	65	58	0.01		
	Roche's Point...	30.23	67	N	1	be	30.20	-0.9	60	58	-3	N	3	c	3	be	.	68	53	—		
	Pembroke (St. Ann's Hd.)	30.25	61	NW	3	be	30.17	-0.9	62	61	0	NNE	2	o	2	be	2.6	65	59	—		
	Scilly...	30.25	64	N	2	c	30.18	-1.1	65	63	+1	NW	1	c	1	cp	1.7	67	61	—		
	Jersey (St. Aubin's)	30.23	66	N	3	c	30.18	-0.9	63	61	+1	NW	3	be	3	be	og	70	61	—		
GERMANY.	Portland Bill...	30.19	65	NW	2	c	30.17	-0.9	63	62	+2	NNE	3	c	3	c	.	68	56	—		
	Dungeness...	30.14	63	NW	3	o	30.10	-1.1	60	59	+4	NW	3	c	2	o	.	65	56	—		
	London (Brixton)	30.13	65	N	1	o	30.15	-0.8	59	57	+8	N	2	og	.	c.o	0.1	66	51	—		
	Oxford...	30.14	64	NW	2	o	30.16	-0.8	59	57	+7	N	2	c	.	c	.	67	52	—		
	Yarmouth...	30.05	59	N	3	o	30.10	-0.5	59	58	+3	NNE	4	c	4	cp.o	.	59	53	0.02		
	Cuxhaven...	29.93	58	NW	4	c	29.98	+0.6	56	54	+2	N	4	b	.	c	.	59	54	—		
	Berlin...	29.84	57	N	3	c	29.82	-0.3	54	52	+7	NW	3	o	.	c	.	61	47	0.04		
	Wiesbaden...	30.01	57	.	.	.	30.01	+0.3	55	52	+2	NW	3	o	.	c	.	59	52	0.08		
	Munich...	30.03	46	N	3	c	29.97	+0.1	47	47	+5	N	6	+	.	c	.	52	42	0.43		
	SPAIN.	The Helder...	.	.	.	.	.	30.05	-0.9	55	55	-2	NW	1	f	.	o	.	64	50	0.08	
Brussels...		.	.	.	.	.	30.13	?	62	62	+6	NW	4	o	.	.	.	63	54	—		
C. Gris Nez...		30.19	61	N	2	o	30.04	-1.9	62	60	+14	NW	3	m	1	o	.	66	50	—		
Paris...		30.26	66	N	1	b	30.20	-1.2	61	61	-1	NW	1	f	1	o	.	68	59	—		
Brest...		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
Lorient...		30.24	69	NW	4	be	30.21	-0.6	62	60	-2	NW	2	c	1	be	.	75	61	—		
Rochefort...		30.22	69	NW	3	o	30.17	-0.7	61	59	-3	N	1	be	.	o	.	75	57	—		
Belfort...		30.09	53	N	3	o	30.06	-0.7	48	48	+2	NW	4	+	.	o	.	60	46	0.08		
Lyons...		30.13	57	NW	1	c	30.13	-0.7	54	49	+2	NE	1	op	.	c	.	65	53	—		
Nice...		29.83	66	E	6	b	29.82	+0.2	62	53	-6	E	4	be	2	b	.	77	59	—		
PEN.	Perpignan...	30.04	73	NW	4	b	30.10	-0.2	67	56	0	NW	3	be	.	b	.	74	64	—		
	Biarritz...	30.20	70	NW	3	be	30.15	-0.5	64	62	-4	2	0	be	2	be	.	72	63	—		
	Corunna...	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
AZORES.	Lisbon...	30.15	78	NW	3	be	30.11	-0.4	75	67	-3	NW	4	be	.	c.be	.	91	73	—		
	Azores (P. Delgada)	30.14	59	NW	3	b	30.16	+0.3	67	64	-1	N	1	b	2	c.b	.	73	63	0.29		

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 recorded on the Tower of the Wesleyan Training College, Westminster

Bright Sunshine yesterday Southport 0.3 hrs.



# WEATHER CHARTS

FOR Tuesday, 12<sup>th</sup> September, 1899.

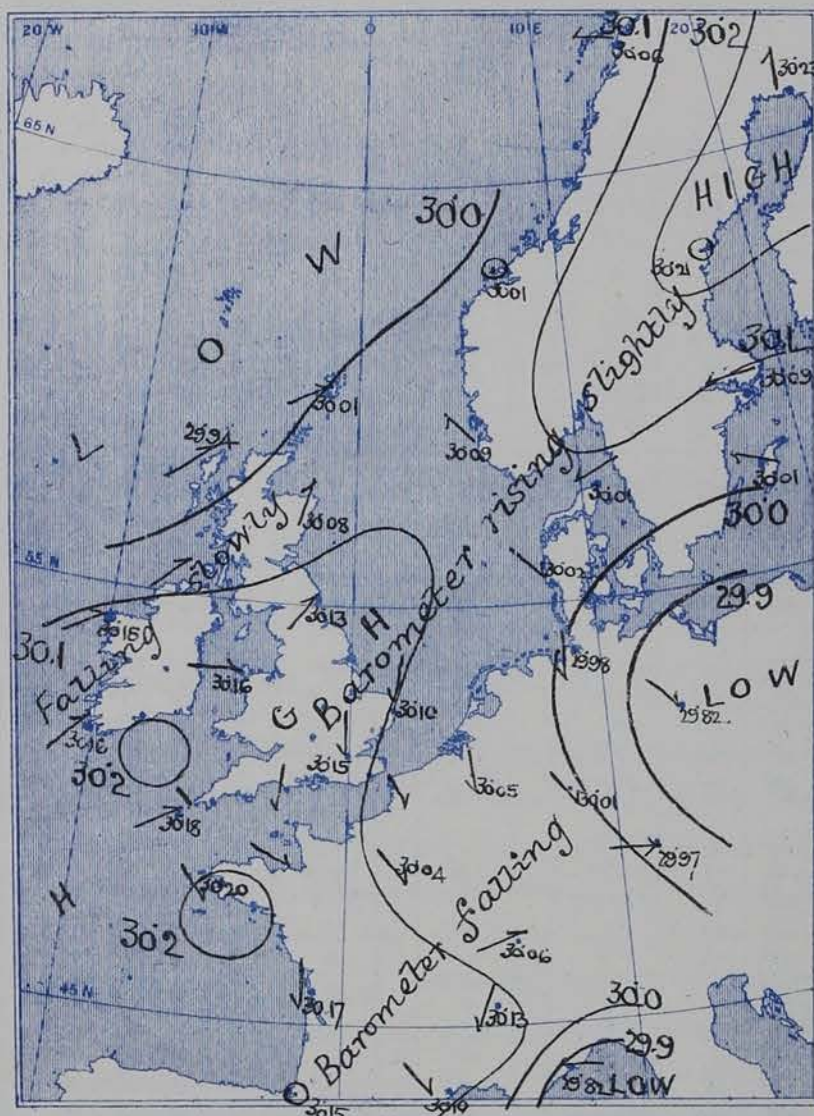
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ⊙  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High :

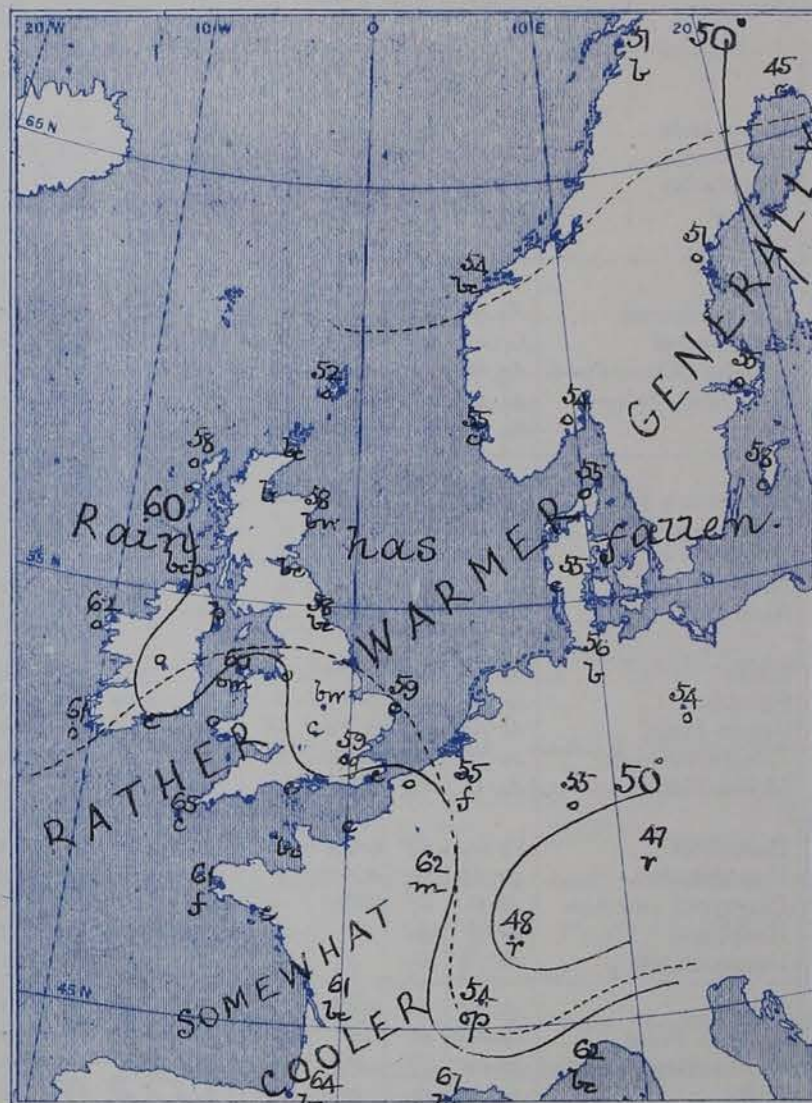


## TEMPERATURE AND WEATHER.

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.								RAINFALL Means, 1866-95.	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Years.	Minimum.	Years.			
	(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	76*	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	—	—
Farsonstown	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. to 30.2 ins. in an anticyclone lying over Ireland, England and the greater part of France, and also in another system over Scandinavia. Lowest 29.9 ins. and less in a large shallow depression over Germany, and also in a smaller disturbance over the Gulf of Genoa. 30.0 ins. and less in an area lying to the N.W. of our Island. Gradients slight generally, but rather steep over the S.E. of France. Barometer rising over the E. <sup>m</sup> parts of our Islands, and also in Scandinavia & Denmark, but falling elsewhere.
TEMPERATURE	Highest 67° at Perpignan, 65° at Seilly, 64° at Biarritz, and 63° at Jersey and Portland Bill. Lowest 44.5° at Haparanda, and 51° at Hernösand and Bodö; (2) 47° at Munich, and 48° at Belfort. Lowest in our Islands 52° at Sumburgh H. During yesterday the thermometer rose to 65° and upwards in most parts of the United Kingdom, to 70° at Jersey, and to 71° at Leith.
WIND	Light from the S.W. <sup>wd</sup> over the northern parts of our Islands, but from the N. <sup>wd</sup> in the south and east of England, and from the N.W. <sup>wd</sup> over France, the Netherlands & W. & N. Germany. Light to moderate from the E. <sup>wd</sup> or N.E. <sup>wd</sup> in the south of Sweden; calm or variable over the northern parts of Scandinavia.
WEATHER	Fine over the E. <sup>m</sup> and central parts of Gt. Britain generally, as well as in France and the west of Norway. Cloudy or dull elsewhere, with showers in the N. of Ireland and also at Lyons and with steady rain at Munich. Showers fell yesterday in many parts of N.W. <sup>m</sup> Europe. A solar halo was seen at Jersey.
SEA	Slight or smooth generally, but moderate off the N. of Scotland and rather rough at Skudesnes.



### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any very decided change in the weather. Fresh cyclonic systems are, however, beginning to skirt our extreme W. and N.W. coasts, so that freshening S.<sup>ly</sup> or S.W.<sup>ly</sup> winds and changeable showery weather are probable in Ireland & Scotland.

## FORECASTS

For the 24 hours ending at NOON on 13<sup>TH</sup> SEPT. 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	S <sup>ly</sup> and S.W. <sup>ly</sup> winds, freshening, dull, some rain.	6 { SCOTLAND WEST	Same as No. 0.
1 { SCOTLAND EAST	S.W. <sup>ly</sup> winds, light or moderate, fine at first, cloudy later, with some showers.	7 { ENGLAND N.W.	W <sup>ly</sup> and S.W. <sup>ly</sup> winds, light, cloudy, local showers.
2 { ENGLAND N.E.		8 { ENGLAND S.W.	
3 { ENGLAND EAST	Light breezes, chiefly N. <sup>ly</sup> , fair generally.	9 { IRELAND NORTH	Same as No. 0.
4 { MIDLAND COUNTIES		10 { IRELAND SOUTH	
5 { ENGLAND SOUTH			None issued.
		WARNINGS	

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.		THER.		WIND.		WEA. SEA.			BAR.		THER.		WIND.		WEA. SEA.	
	Dry.	Wet.	Dry.	Wet.	Dir.	Force.				Dry.	Wet.	Dry.	Wet.	Dir.	Force.		
Skudesnaes ...	30.00	59	55	55	W	6	c	3	Valencia ...	30.27	63	62	62	W	3	odm	4
Sumburgh Head ...	29.83	52	52	52	W	2	o	5	Scilly ...	30.26	67	64	64	W	1	c	1
Stornoway ...	30.03	58	55	55	W	4	o	4	Jersey ...	30.28	68	62	62	W	3	c	3
Aberdeen ...	29.97	63	58	58	W	5	bcq	4	Portland Bill ...	30.23	67	67	67	W	2	c	2
Shields ...	30.00	64	62	62	W	4	c	2	Dungeness ...	30.19	65	59	59	W	3	o	2
Malin Head ...	30.10	60	59	59	W	5	c	4	London								
Belmullet ...	30.21	63	60	60	W	2	o	*	(Westminster)	30.17	64	58	58	W	2	o	*
Holyhead ...	30.18	64	61	61	W	2	c	1	Yarmouth ...	30.11	57	53	53	W	4	c	4
									Rochefort ...	30.24	72	70	70	W	1	o	*

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

Weather in morning cloudy or dull over the greater part of our Islands and the Continent, with rain at several of our own N<sup>m</sup> stations, as well as at Stockholm, the Scaev, Naples and in many parts of Austria. Fine in the S. of Ireland, and also over the Spanish peninsula, the central and S<sup>m</sup> parts of France, Lapland and the W. of Norway. Showers falling during day in several parts of NW<sup>m</sup> Europe; solar halo seen at Jersey.

Temperature risen in the N<sup>m</sup> parts of Ireland and Scotland, as well as in the W. of France and on the E<sup>m</sup> shores of the North Sea, fallen in most other localities. Morning readings highest 80° at Algiers, 79° at Athens, and 78° at Lisbon and Constantinople; above 65° over S<sup>m</sup> Europe generally. Lowest (1) 36° at Archangel and 41° at Uleaborg and Kuopio; (2) 42° at Munich, and 43° at Breslau; lowest in our Islands 47° at Sumburgh H<sup>d</sup>, and 51° at Aberdeen and in London. Rising during day to between 65° and 70° in most part of the United Kingdom, and to 71° at Leith, reaching 75° or slightly more in the W. and S. of France, and touching 91° at Lisbon.

Wind light to moderate from the W<sup>nd</sup> or SW<sup>nd</sup> over the greater part of the United Kingdom, but variable on our south coasts, light from the NW<sup>nd</sup> in the west of France, and from the E<sup>nd</sup> or NE<sup>nd</sup> over the Spanish Peninsula. Light from the E<sup>nd</sup> or NE<sup>nd</sup> over Russia, and strong from the same quarters in the south of Sweden; calm or E<sup>nd</sup> over the west of Norway, N<sup>nd</sup> over Denmark and western Germany, W<sup>nd</sup> or NW<sup>nd</sup> over eastern Germany and Austria; variable in Italy. Subsequently veering to the NW<sup>nd</sup> in the north of our Islands, W<sup>nd</sup> or SW<sup>nd</sup> breezes springing up in the south.

Barometer highest 30.2 ins. to 30.3 ins. and upwards in an anticyclone lying over the greater part of Ireland, England, France and Spain; 30.1 ins. and upwards in another system over the N<sup>m</sup> parts of Sweden and Russia. Lowest 29.6 ins. and less in a large shallow depression over the Balkan provinces and S<sup>m</sup> Austria; 29.9 ins. and less in another shallow system off the N. of Scotland. Latter disturbance subsequently moving slowly eastward and partially dispersing.

### 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

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# DAILY WEATHER REPORT

for 8 a.m. on *Wednesday, 13<sup>th</sup> September, 1899.*

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	Sea (0 to 9.)	BAROMETER.		TEMPERATURE.			WIND.		Weather	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	TEMP.			
		At 82° and M.S.L.	Dry Bulb	Dirac.	Force (0 to 12.)			At 82° Fahr. and M.S.L.	Change since Yesterday.	Dry Bulb	Wet Bulb	Change since Yesterday.	Dirac.	Force (0 to 12.)					Max	Min.	Rainfall.	
		Ins.	°					Ins.	Ins.	°	°	°									Ins.	
SCANDINAVIA.	Haparanda...	30.20	49	Z	0	b		30.11	-12	50	46	+5	S	2	0	*	b	*	52	36	-	
	Hernösand...	30.25	50	Z	0	o		30.16	-05	51	50	0	S	2	0	*	o	*	55	43	-	
	Stockholm...	30.16	54	E	4	o		30.12	+03	54	51	-1	NNE	4	0	*	o	*	59	50	-	
	Wisby...	30.06	54	ESE	4	o		29.99	-02	56	54	-2	E	4	0	*	o	*	59	52	-	
	Karlstad...	30.14	55	NW	2	o		30.15	+07	51	49	-2	NE	2	0	*	o	*	*	*	0.04	
	Bodö...	30.06	54	E	1	c		29.98	-08	54	49	+3	E	4	0	1	c	*	55	48	-	
	Christiansund...	30.07	54	NE	1	c		29.97	-04	55	52	+1	Z	0	bc	2	c	*	56	48	-	
	Skudesnaes...	30.13	56	Z	0	b		30.10	+01	55	53	0	S	2	0	1	b	*	61	52	-	
	Færder (X'ania Fjord)	30.16	58	ESE	2	b		30.14	+02	54	52	0	NE	1	m	0	b	*	57	54	-	
	The Scaw (Skagen)	30.12	58	NNE	2	b		30.11	+10	57	54	+2	ESE	2	0	0	b	*	63	54	-	
Fanö...	30.07	55	N	3	b		30.06	+04	53	53	-2	N	1	f	*	b	*	68	50	-		
BRITISH ISLANDS.	Sumburgh Head...	29.96	54	SSW	3	o		29.94	-07	51	50	-1	WNW	2	0	4	bc. o	*	57	50	0.23	
	Stornoway...	29.93	60	SW	4	o		30.03	+09	51	49	-7	NW	2	0	2	o	0.8	63	46	0.30	
	Wick...	29.98	54	S	2	bc		30.00	-01	53	53	-3	S	1	2	2	bc	*	63	50	0.12	
	Nairn...	29.99	62	N	1	c		30.02	00	54	53	-1	N	1	1	1	c	*	71	52	0.19	
	Aberdeen...	30.01	63	SSW	2	bc		30.01	-07	58	56	0	SW	1	0	1	b, bc	10.0	67	56	0.02	
	Leith...	30.05	64	N	1	o		30.01	-08	59	57	+3	WSW	1	0	*	o	*	68	54	-	
	Shields...	30.10	60	SW	1	c		30.05	-08	60	59	+2	SW	1	0	2	c	*	65	56	-	
	Spurn Head...	30.13	58	SE	3	bc		30.08	-07	58	55	+1	SW	2	0	2	bc	*	64	55	-	
	Loughborough...	30.12	67	WNW	1	c		30.11	-06	57	55	0	SE	1	0	0	bc, c, om	*	75	52	-	
	Malin Head...	30.04	60	WSW	4	o		30.06	00	55	53	-5	NW	5	0	4	cp. o	*	61	55	0.11	
GERMANY.	Belmullet...	30.17	63	WSW	1	o		30.18	+03	56	53	-6	NNE	2	0	*	o	*	63	54	0.06	
	Donaghadee...	30.09	63	SW	2	cq		30.06	-05	58	58	-2	SW	3	0	2	c, cq	*	67	55	0.12	
	Liverpool (Bidston)	30.14	60	Z	0	o		30.10	-05	58	56	-2	SSW	1	0	1	o, bc	*	63	57	0.02	
	Holyhead...	30.13	62	SW	1	c		30.10	-06	59	58	-1	WSW	1	0	1	c	*	65	58	0.02	
	Parsonstown...	30.10	63	SE	1	o		30.11	-04	59	58	0	SE	1	0	*	o	0.6	64	57	0.20	
	Valencia...	30.12	60	SSE	1	m, d		30.13	-03	61	60	0	Z	0	0	2	og, m, d	0.1	64	58	0.36	
	Roche's Point...	30.16	63	SW	3	o		30.15	-05	60	57	0	N	1	0	2	o	*	66	55	0.01	
	Pembroke (St. Ann's Hd.)	30.13	63	SW	2	c		30.12	-05	60	58	-2	Z	0	0	1	o, c	0.1	67	58	0.01	
	Scilly...	30.13	65	WSW	1	b		30.10	-08	62	60	-3	WSW	1	0	0	c, bc	4.7	69	59	-	
	Jersey (St. Aubin's)	30.14	68	NW	3	bm		30.12	-06	56	55	-7	NW	2	0	2	bc, b	*	72	52	-	
FRANCE & NETHERLANDS.	Portland Bill...	30.14	64	NW	3	o		30.12	-05	63	62	0	SE	2	0	2	c, o	*	72	57	-	
	Dungeness...	30.12	62	ESE	4	b		30.10	00	59	56	-1	N	2	0	2	b	*	67	45	-	
	London (Brixton)	30.14	63	NNE	2	b		30.12	-03	56	54	-3	Z	0	0	0	og, b	2.8	69	46	-	
	Oxford...	30.15	59	Z	0	c		30.11	-05	58	56	-1	Z	0	0	0	c	*	70	54	-	
	Yarmouth...	30.13	61	WSW	2	bc		30.09	-01	57	54	-2	Z	0	0	0	bc	*	63	46	-	
	Cuxlaven...	30.02	59	N	3	c		30.01	+03	55	54	-1	N	2	0	0	c	*	61	52	-	
	Berlin...	29.86	56	NNE	4	c		29.78	-04	57	55	+3	WNW	5	0	0	c	*	64	54	0.04	
	Wiesbaden...	29.93	54	N	6	r		29.99	-02	56	53	+1	NW	4	0	0	c	*	63	52	-	
	Munich...	29.93	48	N	6	r		29.88	-09	48	48	+1	N	5	0	0	c	*	50	46	-	
	The Helder...	30.10	59	NE	1	c		30.08	+02	60	56	+2	NE	1	0	0	c	*	61	55	-	
SPAN. PEN.	Brussels...	30.12	60	ESE	4	bc		30.12	+07	53	53	-2	Z	0	0	0	b	*	66	46	-	
	C. Gris Nez...	30.12	60	ESE	4	bc		30.02	-11	59	55	-3	E	1	0	0	bc	*	66	54	-	
	Paris...	30.09	64	N	2	b		30.10	+06	50	50	-12	NNE	2	0	0	b	*	72	49	-	
	Brest...	30.12	63	NE	1	b		30.08	-12	56	54	-5	ESE	1	0	0	b	*	68	52	-	
	Lorient...	30.06	68	WNW	4	b		30.08	-13	58	56	-4	ESE	4	0	2	b	*	75	57	-	
	Rocheport...	30.08	68	NW	4	bc		30.00	-17	60	57	-1	N	3	0	0	bc	*	73	57	-	
	Belfort...	29.99	51	Z	0	m		30.02	-04	42	42	-6	Z	0	0	0	m	*	54	40	0.16	
	Lyons...	30.03	54	NNE	1	f		30.01	-12	50	48	-4	N	2	0	0	f	*	57	57	0.24	
	Nice...	29.63	63	Z	0	b		29.69	-13	62	52	0	E	2	0	0	b	*	77	57	-	
	Perpignan...	29.94	74	NW	4	b		29.90	-20	68	54	+1	N	3	0	0	b	*	80	64	-	
Biarritz...	30.04	70	NNE	4	b		29.99	-16	61	60	-3	E	3	0	2	b	*	73	59	-		
AZORES.	Corunna...	30.05	71	WNW	4	bc		29.99	-12	71	64	-4	N	4	0	0	bc	*	86	66	-	
	Lisbon...	30.05	71	WNW	4	bc		29.99	-12	71	64	-4	N	4	0	0	bc	*	86	66	-	
	Azores (P. Delgada)	30.25	68	N	4	b		30.23	+07	69	65	+2	NNE	4	0	0	b	*	75	64	-	

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page

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

Bright Sunshine yesterday Southport 2.2 hrs.

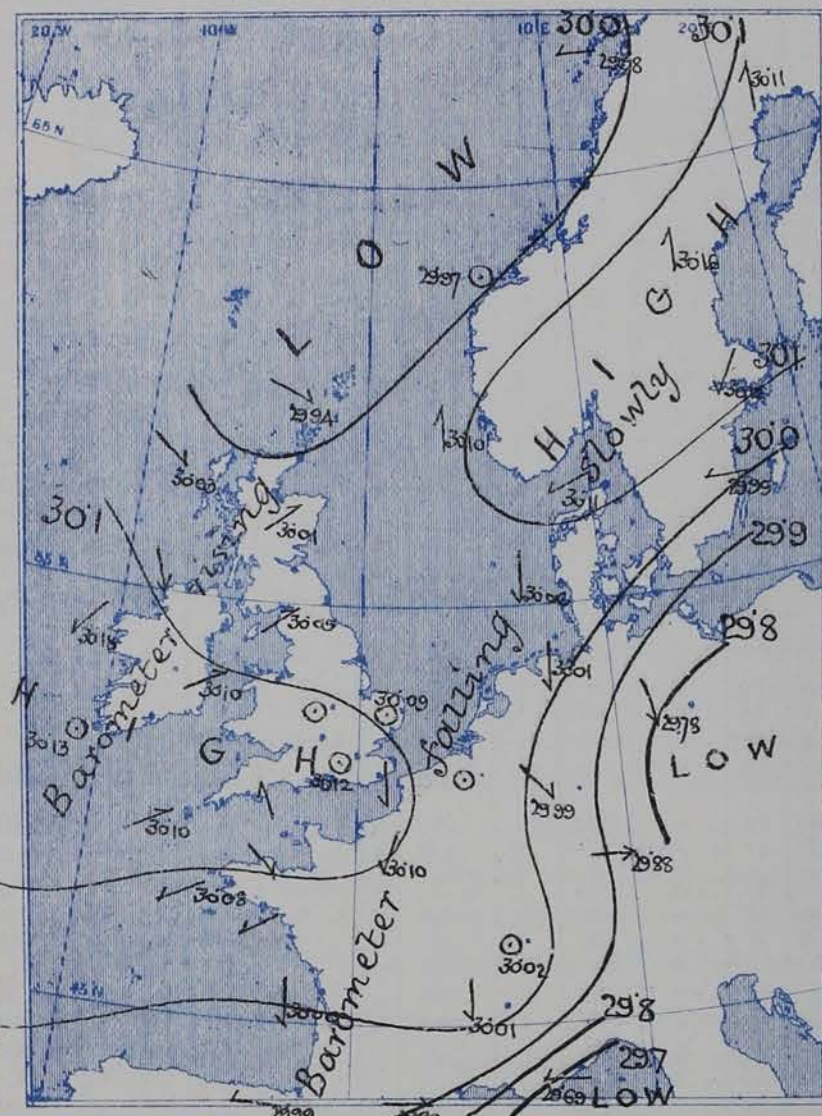


FOR Wednesday, 13<sup>th</sup> September, 1899.

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

Force above 10	»————→	:	Force 5 to 7	————→	} Calm ☉
Force 8 to 10	»————→	:	Force 1 to 4	————→	

**SEA.**—Rough : High



TEMPERATURE.—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—0·8



STATIONS.	PRESSURE AT 8 A.M. Means, 1871-95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL Means, 1866-95. (Inches.)	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Years.	Minimum.	Years.			
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	
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	
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	78*	1895	38*	1892	1.88	—	
York	29.948	52.9	51.0	63.2	47.5	83	1895	30	1885	2.45	118.4	
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	—	
Farsonstown	29.948	52.8	50.9	61.7	47.2	79	1880	30	1885	2.92	124.7	
Valencia	29.961	56.4	54.1	61.8	51.3	78	1895	37	1885	4.38	130.4	
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	
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	
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+	
Oxford	29.985	53.9	52.0	64.3	48.8	83	1880, 95	33	1885	2.43	141.0	
Cambridge	29.979	54.6	52.9	66.0	47.9	88	1880	31	1885	2.13	144.2	
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 (1) over Ireland, Wales, the S.W. of England and Brittany; (2) over Sweden and the S. of Norway.  
 Lowest. Below 30.0 ins. over the N.W. of Norway and the Shetlands; (2) 29.7 ins. and less in the Riviera.  
 Gradients slight in our Islands.  
 Barometer rising in Ireland and the greater part of Scotland, falling elsewhere.

### TEMPERATURE

Highest above 60° in the S. and S.W. of France, in the S. of Ireland & the S.W. of England.  
 Lowest 50° to 55° over the greater part of Scandinavia, 51° at Sumburgh H., 50° to 54° in the N. and W. of Scotland.  
 The highest of the maxima recorded yesterday were 75° at Loughborough, 71° at Nairn, 72° at Portland Bill and Jersey, 76° at Oxford.

### WIND

(1) S.W. to N.W. over the northern parts of the Kingdom; (2) N. to N.E., variable and calm, in the south; (3) very variable on the Continent.

### WEATHER

Dull and wet over the N.W. and W. parts of our Islands, fair in the south and southeast and over France; cloudy over Scandinavia.  
 Rainfall was measured this morning over the N. and N.W. of our Islands only.  
 Bright Sunshine yesterday amounted to 10 hours at Aberdeen; in Ireland there was hardly any; in London 2.8 hrs.

### SEA

Moderate in the extreme N. and N.W. slight or smooth elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The showers and cooler weather prevalent in the N. are not heavy, but are likely to spread to the south of England shortly.

## FORECASTS

For the 24 hours ending at NOON on 14<sup>TH</sup> SEPTEMBER 1899.

### DISTRICTS.



### FORECASTS.

0	SCOTLAND NORTH	SW <sup>ly</sup> to NW <sup>ly</sup> winds, light; cloudy, showery, cooler.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SW <sup>ly</sup> winds, light, fine, then NW <sup>ly</sup> , cooler, perhaps some rain.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Same as Nos 0 to 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as Nos 3 to 5.
9	IRELAND NORTH	
10	IRELAND SOUTH	NW <sup>ly</sup> winds, light to moderate, showery.
	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.		WIND.		WEA.		SEA.		BAR.	THER.		WIND.		WEA.		SEA.
		Dry.	Wet.	Dir.	Force.						Dry.	Wet.	Dir.	Force.			
Skudesnaes ...	30.13	61	56	SW	2	6	2			Valencia ...	30.15	62	58	SSW	2	og	4
Sumburgh Head	29.98	57	55	SSW	3	6c	4			Scilly ...	30.16	67	63	SSE	1	c	1
Stornoway ...	29.93	62	59	WSW	4	0	2			Jersey ...	30.17	70	64	WNW	3	6c	3
Aberdeen ...	30.04	61	56	SSE	3	6	3			Portland Bill ...	30.17	68	68	W	2	c	2
Shields ...	30.10	61	60	SE	2	c	2			Dungeness ...	30.12	66	61	NE	4	6	3
Malin Head	30.06	61	59	SW	2	c	2			London							
Belmullet ...	30.13	63	59	WSW	2	0				(Westminster)	30.15	66	58	W	2	c	*
Holyhead ...	30.15	65	61	WNW	1	c	1			Yarmouth ...	30.12	62	56	W	3	6c	4
										Rochefort ...	30.12	73	68	WNW	3	6c	*

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

*Weather in morning fair as a whole over W<sup>m</sup> and N<sup>m</sup> Europe including the British Islands, and bright in the N. and N.E. of Gt. Britain; dull and rainy over Germany, and rather unsettled over the Mediterranean; some rain falling later in Ireland and Scotland, still larger quantities in the Hebrides and Shetlands, and further falls in S. Germany and the SE of France, but sky clearing in London.*

*Temperature risen in Scotland and over central Europe; highest readings 80° at Algiers, 70° at Gran, Spas and Brindisi; above 60° in the S. of France; 60° and more in the SW. and S. of our Islands. Lowest 39° at Archangel, 40° at Moscow, 51° at Bodo; below 60° all over Scandinavia and Scotland. Rising later to 75° at Loughborough, (but only to 69° in London) to 72° at Paris, 73° at Rochefort, and 80° at Perpignan.*

*Wind light to moderate in force and anticyclonic in direction over the British Islands and France, and also over N<sup>m</sup> Europe; stronger and cyclonic in direction over N. Germany and central Europe. A SW. wind setting in over Scotland and the north of Ireland later.*

*Barometer highest (1) 30.3 ins. to 30.1 ins. over the N<sup>m</sup> parts of Continental Europe; (2) 30.2 ins. and more to 30.1 ins. over Ireland, England, the W. of France and the greater part of Spain. Lowest (1) 29.6 ins. and less to 29.7 ins. over central Europe and Turkey in Asia; (2) below 30.0 ins. in the Hebrides and off the NW. of Norway falling slowly over the N<sup>m</sup> parts of the United Kingdom later, rising over central Europe.*

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

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

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

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

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# DAILY WEATHER REPORT

for 8 a.m. on *Thursday, 14<sup>th</sup> September, 1899.*  
 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	Dirac. (0 to 12.)	Force (0 to 12.)	Weather	At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb	Wet Bulb	Change since Yester- day.	Dirac.	Force (0 to 12.)	Weather	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	Max	Min.	Rainfall.
	Ins.					ins.	Ins.												Ins.
SCANDINAVIA.	Haparanda ...	30.05	49	Z	0	0	30.02	-0.09	50	49	0	S	2	0	*	c	52	39	-
	Hernösand ...	30.08	45	Z	0	0	30.00	-1.16	50	49	-1	S	2	0	*	o	57	43	-
	Stockholm ...	30.04	52	E	2	b	29.95	-1.17	52	51	-2	NE	4	0	*	b	59	48	-
	Wisby ...	29.94	54	E	4	r	29.88	-1.11	54	53	-2	NE	2	f	*	r	59	52	0.16
	Karlstad ...	30.04	51	HHW	2	b	29.97	-1.18	51	49	0	NNE	2	c	*	b	*	*	-
	Bodö ...	29.91	53	W	4	0	29.87	-1.11	50	49	-4	E	2	b	1	o	54	48	0.12
	Christiansund ...	29.95	55	Z	0	b	29.86	-1.11	53	51	-2	Z	0	f	2	b	57	50	0.16
	Skudesnaes ...	30.04	57	Z	0	r	29.93	-1.17	54	53	-1	HHW	2	r	1	b, r	61	52	*
	Færder (X'ania Fjord)	30.08	55	SE	2	bc	29.96	-1.18	56	53	+2	S	1	o	1	bc	57	54	-
	The Scau (Skagen)	30.02	55	NE	2	b	29.95	-1.16	55	53	-2	NE	1	b	0	b	59	54	-
	Fanö ...	30.00	57	H	1	c	29.97	-0.09	54	52	+1	H	2	c	*	c	66	53	-
BRITISH ISLANDS.	Sumburgh Head ...	29.98	53	HHW	2	bc	29.77	-1.17	54	53	+3	SW	3	c	3	bc	57	47	0.03
	Stornoway ...	30.02	56	W	3	o	29.90	-1.13	52	49	+1	HHW	3	o	3	bc, o	60	48	0.15
	Wick ...	30.04	53	S	1	c	29.85	-1.15	55	53	+2	HW	3	o	2	c, l	62	45	0.05
	Nairn ...	30.05	55	Z	0	c	29.90	-1.12	54	53	0	W	1	r	1	c	58	43	0.03
	Aberdeen ...	30.07	53	H	1	c	29.93	-0.08	54	50	-4	SW	2	cw	1	og, c	58	46	0.03
	Leith ...	30.05	55	ESE	3	o	29.99	-0.02	55	51	-4	SW	1	c	*	o	65	49	0.05
	Shields ...	30.01	60	NE	1	o	30.02	-0.03	53	51	-7	WSW	2	bc	2	o, r	66	50	0.13
	Spurn Head ...	30.03	61	SSW	1	o	30.00	-0.08	55	53	-3	HHW	4	og	3	og, r	63	53	0.04
	Loughborough ...	30.06	63	HHW	1	o	30.08	-0.09	53	50	-4	W	2	bc	*	og, p, c	67	52	0.01
	Malin Head ...	30.11	57	HW	4	bc	30.02	-0.04	58	53	+3	HW	5	bc, p	4	bc	58	55	0.06
GERMANY.	Belmullet ...	30.19	58	HHW	2	b	30.15	-0.03	59	57	+3	HW	3	bc	*	b	60	55	0.02
	Donaghadee ...	30.13	57	HHW	4	bc	30.08	+0.02	54	53	-4	HW	3	c	3	bc	58	48	0.01
	Liverpool (Bridston)	30.08	58	HHW	2	o	30.08	-0.02	57	53	-1	W	4	c	4	om	64	54	-
	Holyhead ...	30.11	58	H	4	o	30.11	+0.01	57	54	-2	W	3	c	2	fd, o	64	53	0.02
	Parsonstown ...	30.16	57	HW	1	b	30.16	+0.05	54	53	-5	W	1	o	*	r, o, b	59	42	0.06
	Valencia ...	30.19	59	NNE	3	r	30.22	+0.09	57	56	-4	Z	0	og	3	og, r	61	51	0.01
	Roche's Point ...	30.14	60	NNE	3	c	30.21	+0.06	54	52	-6	H	3	c	2	m, c	66	48	0.02
	Pembroke (St. Ann's Hd.)	30.10	61	H	2	bc	30.14	+0.02	58	53	-2	NNE	4	b	2	bc	64	54	-
	Scilly ...	30.09	65	H	2	c	30.11	+0.01	61	58	-1	NNE	4	cp	1	bc, c	67	57	0.01
	Jersey (St. Aubin's)	30.06	68	HHW	3	om	30.06	-0.06	61	60	+5	SW	2	fw	2	c, om	71	54	-
FRANCE & NETHERLANDS.	Portland Bill ...	30.08	64	HW	1	o	30.08	-0.04	62	61	-1	NNE	2	om	2	o	66	58	-
	Dungeness ...	30.04	64	SW	2	bc	30.03	-0.07	60	59	+1	HHW	2	m	1	b, bc	68	57	0.01
	London (Brixton)	30.04	64	HHW	1	og, m	30.06	-0.06	59	55	+3	HHW	1	o	*	bc, og	70	56	-
	Oxford ...	30.06	62	Z	0	o	30.09	-0.02	56	51	-2	HHW	2	og	*	og	69	54	-
	Yarmouth ...	30.03	62	SE	2	c	29.99	-1.10	61	59	+4	HHW	1	bc, m	2	b, cv	63	55	-
	Cuxhaven ...	29.95	59	H	4	bc	29.93	-0.08	56	53	+1	H	2	b	*	bc	61	54	-
	Berlin ...	29.77	58	H	3	r	29.89	+1.11	52	51	-5	SE	2	b	*	r	59	52	0.47
	Wiesbaden ...	*	*	*	*	*	29.97	-0.02	58	55	+2	HHW	3	o	*	*	64	55	-
	Munich ...	29.90	50	W	5	r	29.96	+0.08	51	51	+3	HW	3	o	*	r	52	48	2.91
	The Helder ...	*	*	*	*	*	30.06	-0.06	52	52	-1	WSW	1	f	*	b	63	44	-
SPAN. PEN.	Brussels ...	*	*	*	*	*	30.03	+0.01	58	56	-1	S	1	r	1	bc	70	55	0.12
	C. Gris Nez ...	30.06	59	NE	1	bc	30.03	-0.04	48	46	-2	NE	2	b	*	b	68	44	-
	Paris ...	30.05	59	NE	2	b	30.06	-0.01	58	57	+2	Z	0	bc	0	b	73	54	-
	Brest ...	30.04	65	NE	2	b	30.07	-0.01	58	57	+2	Z	0	bc	0	b	73	54	-
	Lorient ...	30.03	66	HW	2	b	30.04	-0.04	65	55	+7	E	4	bc	3	b	79	57	-
	Rochefort ...	29.96	73	HW	3	bc	30.00	-0.00	57	55	-3	NE	3	b	*	bc	84	54	-
	Belfort ...	29.97	57	Z	0	o	29.96	-0.06	50	48	+8	Z	0	m	*	o	66	42	-
	Lyons ...	29.96	59	H	1	b	29.95	-0.06	51	50	+1	H	2	b	*	b	65	49	-
	Nice ...	29.96	65	Z	0	b	29.94	+0.05	64	58	+2	E	2	b	1	b	79	57	-
	Perpignan ...	29.82	74	W	3	b	29.85	-0.05	61	54	-7	W	2	b	*	b	80	57	-
AZORES.	Biarritz ...	29.93	70	H	4	b	29.91	-0.08	57	52	-4	E	4	c	2	b	73	55	-
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PEN.	Lisbon ...	29.95	68	HHW	3	b	29.92	-0.07	69	65	-2	S	2	o	*	b	77	64	-
	Azores (P. Delgada)	30.25	67	NE	4	bc	30.25	+0.02	69	63	0	NNE	4	bc	3	bc	75	64	0.12

For Explanation of Columns, see bottom of last page.

+ Received too late for insertion in Charts on next page.

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

Bright Sunshine yesterday Southport 0.9 hrs.



# WEATHER CHARTS

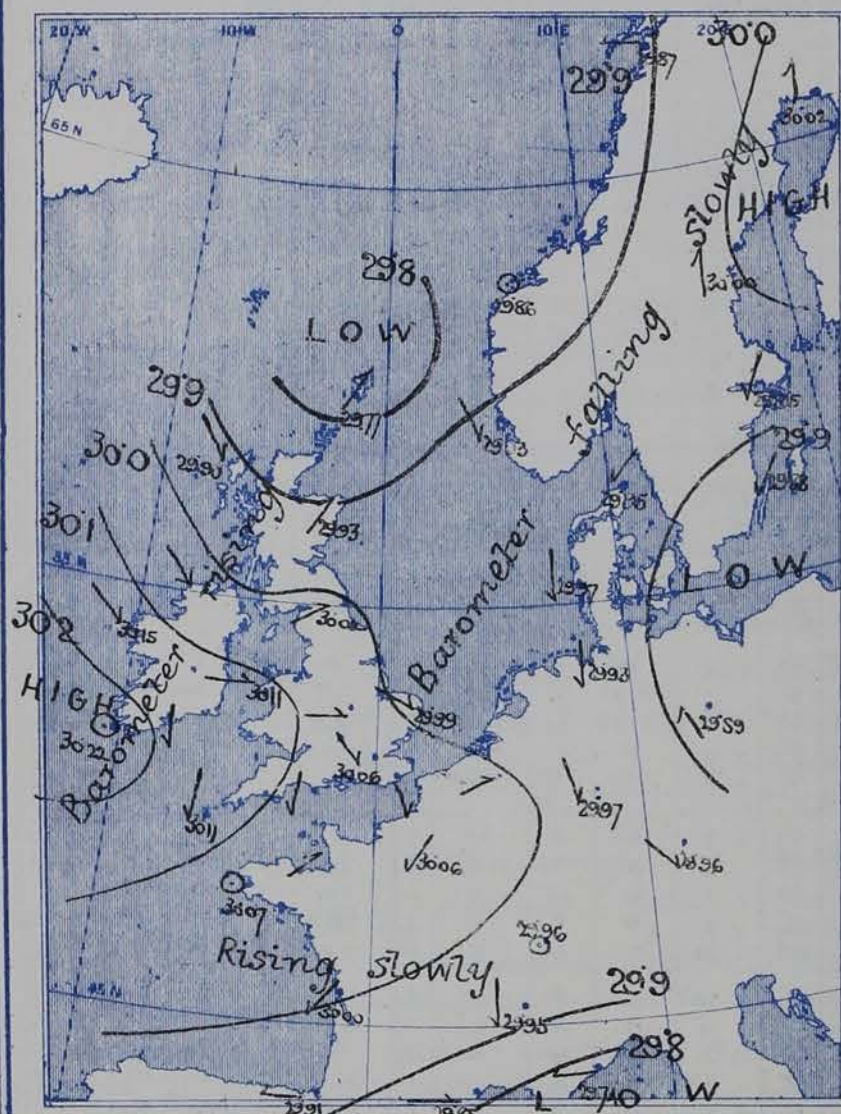
FOR Thursday, 14<sup>th</sup> September, 1899.

## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm  
Force 8 to 10 → : Force 1 to 4 → : }  
SEA.—Rough : High

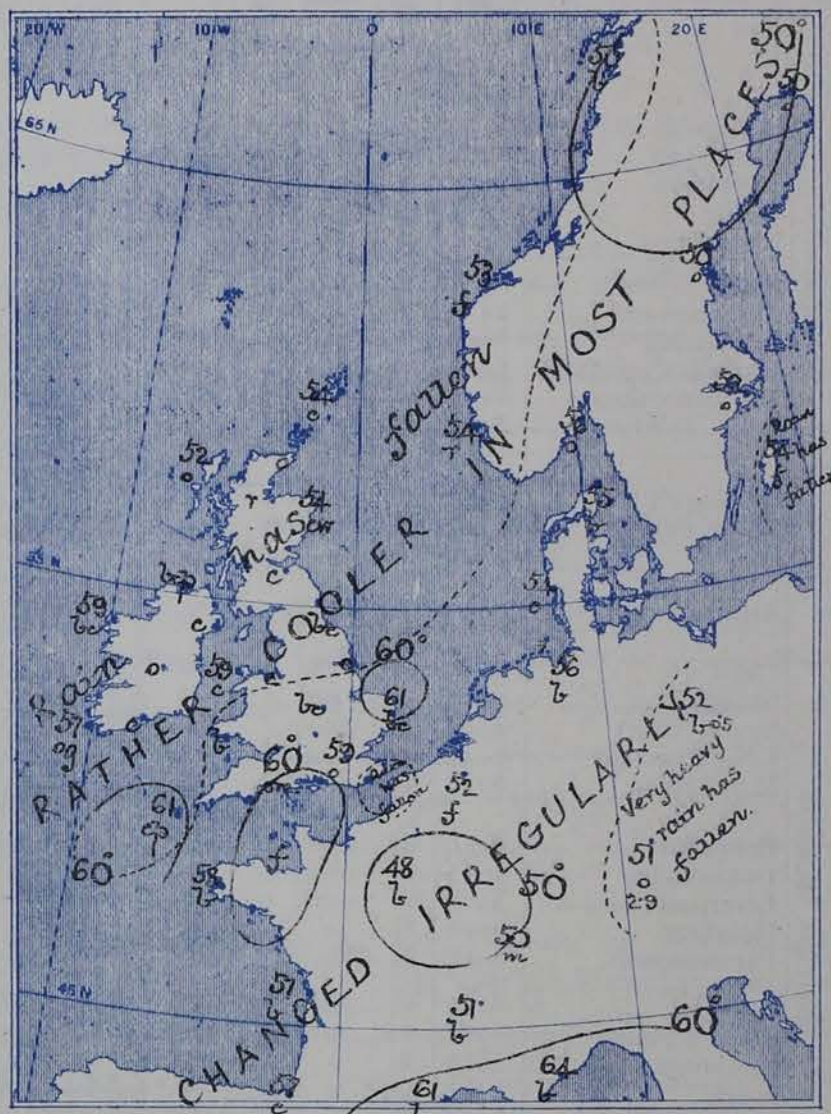


## TEMPERATURE AND WEATHER.

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.								RAINFALL Means, 1866-95.	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Years.	Minimum.	Years.			
	(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	76*	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) 30.22 ins. at Valencien, and exceeding 30.0 ins. all over Ireland, England and the N. of France; (2) 30.0 ins. and more over the N. half of Sweden and the Gulf of Bothnia.  
 Lowest (1) 29.8 ins. and less to 29.9 ins. over the Shetlands and their neighbourhood; (2) 29.9 ins. and less over Germany; (3) 29.74 ins. at Nice.  
 Gradients slight. Distribution rather complex. Barometer rising on our S.W. coasts and over the Bay of Biscay, falling elsewhere.

### TEMPERATURE

Highest 64° at Nice, 62° to 58° in the S. of England, 59° to 57° on the W. coast of Ireland.  
 Lowest 50° to 53° over the N. parts of Scandinavia, 52° at Berlin, 51° at Munich.  
 The maxima recorded during yesterday were 71° at Jersey, 70° in London, 68° at Paris, 80° at Perpignan.

### WIND

Light to moderate in force, and variable from between S.W. and N.W. in direction at our northern stations, N. to N.E. over France and on the eastern shores of the North Sea.

### WEATHER

Fine over France, fair generally over the E. and S. parts of England, cloudy with rain at times in Ireland and Scotland.  
 Rain had again fallen in small quantity at all of our N. and W. stations, and in some parts of Scandinavia and Germany. A very large quantity (2.9 ins.) was reported at Munich.  
 Bright Sunshine yesterday exceeded 9 hrs. on some parts of our S.E. coasts, and amounted to 6.2 hrs. at Pembroke, 5.4 hrs. at Seilly, 6.6 hrs. at Stornoway, hardly any at Aberdeen.

### SEA

Moderate in the N.W., slight or smooth elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

N.W. breezes are probable over our Islands, and some rain except in the southwest.

## FORECASTS

For the 24 hours ending at NOON on 15<sup>TH</sup> SEPTEMBER 1899.

### DISTRICTS.

### FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

W. to N. breezes, cloudy,  
 rain at times.

### DISTRICTS.

### FORECASTS.



- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH

W. to N. breezes, cloudy,  
 rain at times.

N.W. and N. winds, fair in the south, some rain in the north.

### 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.		WIND.		WEA.	SEA.		BAR.	THER.		WIND.		WEA.	SEA.
		Dry.	Wet.	Dir.	Force.					Dry.	Wet.	Dir.	Force.		
Skudesnaes ...	30.09	61	57	Sw	4	b	1	Valencia ...	30.18	60	57	N	3	og	5
Sumburgh Head	30.00	56	52	WNW	2	bc	4	Scilly ...	30.09	65	61	WNW	2	bc	0
Stornoway ...	30.04	60	52	WNW	3	0	3	Jersey ...	30.10	70	62	SE	2	c	2
Aberdeen ...	30.06	56	52	N	3	og	3	Portland Bill ...	30.10	65	63	N	1	0	2
Shields ...	30.04	64	63	Sw	1	0	2	Dungeness ...	30.07	67	61	S	2	b	2
Malin Head ...	30.12	58	55	WNW	4	bc	4	London							
Belmullet ...	30.15	60	57	WNW	3	b	*	(Westminster)	30.07	67	62	2	0	0	*
Holyhead ...	30.10	61	60	N	1	f 2	1	Yarmouth ...	30.05	63	57	ESE	2	b	2
								Rochefort ...	30.00	82	77	NNE	2	bc	*

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

*Weather in morning fair generally over the Mediterranean, France and the N<sup>m</sup> parts of our Islands, as well as over Sweden and the S. of Norway; rather rainy in many parts of Ireland and Scotland, and over central Europe. Heavy rain in S. Germany later, and small quantities in the W. and N. of our Islands, and on the Norwegian coasts. Lightning seen at Wick.*

*Temperature in morning highest 81° at Algiers, 78° at Barcelona, 77° at Nemours; Lowest 42° to 48° over the N<sup>m</sup> parts of Russia, 48° at Vienna; 51° at Karlstad and Sumburgh H<sup>d</sup>, 53° at Wick, 55° at Malin Head; 50° at Paris. Rising later to 70° in London, 68° at Paris, 80° at Perpignan, and 84° at Rochefort.*

*Wind (1) Light and anticyclonic (W. <sup>1</sup>/<sub>2</sub> N.) and NE<sup>1</sup>/<sub>2</sub> over England, England and France; (2) cyclonic and stronger (NE. to NW) over the Baltic and the north and west of Germany, but S. <sup>1</sup>/<sub>2</sub> SW in the east of Germany. Very little change in our Islands or France later.*

*Barometer (1) 30.2 ins. and more over the N. of Russia, and exceeding 30.1 ins. over Sweden the S. of Norway and the N. of Denmark; (2) 30.1 ins. and more over Ireland, Wales and the S. of England. Lowest (1) 29.6 ins. and less to 29.7 ins. over central Europe, and below 29.7 ins. over the NE. of the Mediterranean. No great change later.*

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

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

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

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

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# DAILY WEATHER REPORT

for 8 a.m. on *Friday, 15<sup>th</sup> September,* 1899.

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 Sun- shine.	TEMP.		Rainfall
		At 82° and M.S.L.	Dry Bulb	Dir.	Force (0 to 12.)	At 82° Fahr. and M. S. L.	Change since Yester- day.		Dry Bulb	Wet Bulb.	Change since Yester- day.	Dir.	Force (0 to 12.)	Max					Min.		
		Ins.	°				Ins.	Ins.	°	°	°									Ins.	
SCANDINAVIA.	Haparanda...	29.90	49	Z	0	c	29.77	-25	48	46	-2	S	2	0	*	c	*	54	45	-	
	Hernösand...	29.83	51	Z	0	o	29.71	-29	50	49	0	SE	2	1	*	o	*	55	39	-	
	Stockholm...	29.83	53	NNE	2	r	29.72	-23	55	54	+3	Z	0	0	*	r	*	57	46	0.24	
	Wisby...	29.83	56	NE	2	f	29.73	-15	57	55	+3	SSW	4	6c	*	f	*	57	50	-	
	Karlstad...	29.82	53	NSW	2	o	29.69	-28	55	53	+4	S	2	0	*	o	*	*	*	-	
	Bodö...	29.68	52	EHE	1	o	29.61	-26	51	49	+1	SW	4	0	2	o	*	55	48	-	
	Christiansund...	29.71	53	SW	3	r	29.74	-12	47	44	-6	SW	3	6c	3	r	*	55	46	0.08	
	Skudesnaes...	29.84	54	SW	1	r	29.83	-10	50	47	-4	N	2	c	2	o, r	*	55	48	-	
	Færder (X'iania Fjord)	29.82	56	SSW	1	o	29.67	-29	55	51	-1	W	2	c	1	o	*	59	54	-	
	The Sca W (Skagen)	29.85	54	W	1	c	29.73	-22	55	53	-0	W	2	c	0	c	*	59	50	-	
Fanö...	29.88	57	Z	0	c	29.82	-15	55	53	+1	NW	2	c	*	c	*	63	52	-		
BRITISH ISLANDS.	Sumburgh Head...	29.86	49	MMW	4	c	29.77	-00	50	48	-4	S	1	c	3	c	*	54	42	0.20	
	Stornoway...	30.00	54	MMW	4	bc	29.65	-25	51	50	-1	SSW	5	r	5	c, bc	9.3	58	44	0.25	
	Wick...	29.98	51	W	2	c	29.74	-11	50	47	-5	SW	3	0	2	c	*	57	36	-	
	Nairn...	29.99	54	NW	1	b	29.82	-08	48	46	-6	Z	0	r	1	b	*	60	38	0.08	
	Aberdeen...	29.98	52	NW	2	bc	29.87	-06	48	45	-6	SW	2	og	2	c, p, bc	3.4	62	40	0.10	
	Leith...	29.96	56	W	3	o	29.91	-08	50	47	-5	MMW	1	om	*	o	*	61	43	0.04	
	Shields...	29.96	60	W	2	bc	29.98	-04	50	49	-3	SW	2	cm	2	bc	*	65	44	-	
	Spurn Head...	29.98	61	MMW	3	c	30.02	+02	51	50	-4	MMW	4	b	3	c	*	61	50	-	
	Loughborough...	30.05	60	W	2	bc	30.08	-00	51	48	-2	W	1	bw	*	bc, cm	*	67	44	-	
	Malin Head...	30.06	55	NW	5	b	29.82	-20	54	54	-4	SSW	6	r	4	p, c, b	*	60	51	0.12	
FRANCE & NETHERLANDS.	Belmullet...	30.16	58	MMW	3	bc	29.89	-26	59	58	0	MMW	6	o	*	c, bc	*	61	51	0.01	
	Donaghadee...	30.09	58	NW	3	b	29.99	-09	52	50	-2	MMW	3	bc	3	p, b	*	64	45	0.02	
	Liverpool (Bidston)	30.06	58	W	4	b	30.04	-04	55	52	-2	SW	2	c	3	bc, op	*	62	52	0.02	
	Holyhead...	30.08	59	W	3	c	30.04	-07	57	54	0	MMW	3	c	2	bc, c	*	62	52	-	
	Parsonstown...	30.15	60	NW	1	c	30.04	-12	53	52	-1	SW	1	o	*	c	6.7	64	46	-	
	Valencia...	30.21	61	NW	2	c	30.10	-12	60	56	+3	SE	3	bc	4	c	6.4	63	48	-	
	Roche's Point...	30.18	63	MMW	3	b	30.12	-09	56	54	+2	N	1	b	1	b	9.7	65	50	-	
	Pembroke (St. Ann's Hd.)	30.13	60	NW	3	b	30.10	-04	60	56	+2	MMW	2	b	2	b	8.3	64	53	-	
	Silly...	30.15	62	N	4	bc	30.13	+02	62	57	+1	NW	2	bc	1	bc	*	66	57	-	
	Jersey (St. Aubin's)	30.06	66	MMW	3	cm	30.13	+07	58	55	-3	NW	2	bmw	2	c, cm	*	71	57	-	
GERMANY.	Portland Bill...	30.08	65	N	3	b	30.13	+05	62	60	0	N	1	b	2	bc, b	*	66	54	-	
	Dungeness...	30.01	64	Z	0	og	30.07	+04	55	53	-5	MMW	3	c	2	og	*	67	48	-	
	London (Brixton)	30.04	62	MMW	1	b	30.11	+05	54	51	-5	NW	1	b	*	b, bm	4.0	69	46	-	
	Oxford...	30.09	59	NW	2	o	30.10	+01	52	50	-4	SW	1	b	*	c, o	*	66	48	-	
	Yarmouth...	29.97	60	NW	3	bc	30.00	+01	57	54	-4	MMW	2	bw	2	c, bc	*	64	48	-	
	Cuxhaven...	29.91	59	N	1	b	29.86	-07	57	53	+1	NW	2	b	*	b	*	61	54	-	
	Berlin...	29.91	59	NW	3	o	29.88	-01	57	55	+5	W	3	o	*	o	*	66	52	-	
	Wiesbaden...	30.00	54	*	*	*	30.00	+03	53	52	-5	NW	1	r	*	*	*	64	53	0.08	
	Munich...	30.04	54	Z	0	b	30.05	+09	53	52	+2	SW	2	c	*	b	*	61	48	-	
	SPAN. PEN.	The Helder...	29.93	61	W	1	o	29.95	-03	60	56	-2	NW	2	b	2	o	*	66	59	-
Brussels...		30.05	60	*	*	*	30.05	-01	53	52	+1	SW	1	m	*	o	*	65	46	-	
C. Gris Nez...		30.01	60	Z	0	m	30.06	+03	57	55	-1	NNE	2	c	2	m	*	70	55	-	
Paris...		30.08	64	NNE	2	o	30.09	+03	54	53	+6	NE	1	b	*	o	*	71	48	-	
Brest...		30.10	63	N	1	bc	30.14	+07	54	52	-4	NNE	1	b	0	bc	*	70	48	-	
Lorient...		30.05	66	W	4	o	30.12	+08	57	55	-8	NE	3	bc	2	o	*	79	55	-	
Rochefort...		29.96	70	NE	3	bc	30.03	+03	59	55	+2	EHE	3	bc	*	bc	*	79	54	-	
Belfort...		29.95	58	NE	3	m	30.02	+06	52	50	+2	Z	0	m	*	m	*	68	49	-	
Lyons...		29.94	64	MMW	1	o	30.04	+09	53	52	+2	N	1	bc	*	o	*	69	51	-	
Nice...		29.84	65	Z	0	b	29.93	+19	66	57	+2	E	2	bc	1	b	*	79	57	-	
AZORES.	Perpignan...	29.88	67	S	1	b	30.00	+15	62	58	+1	SW	2	o	*	b	*	81	54	-	
	Biarritz...	29.94	68	NNE	3	b	29.99	+08	63	57	+6	S	4	c	1	b	*	70	57	-	
AZORES.	Corunna...	29.84	69	MMW	2	b	29.93	+01	70	66	+1	S	2	c	*	b	*	73	66	-	
	Lisbon...	30.25	67	NNE	5	c	30.23	-02	68	63	-1	NE	5	c	4	c	*	75	66	0.04	

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 5.7 hrs.



# WEATHER CHARTS

FOR Friday, 15<sup>th</sup> September, 1899.

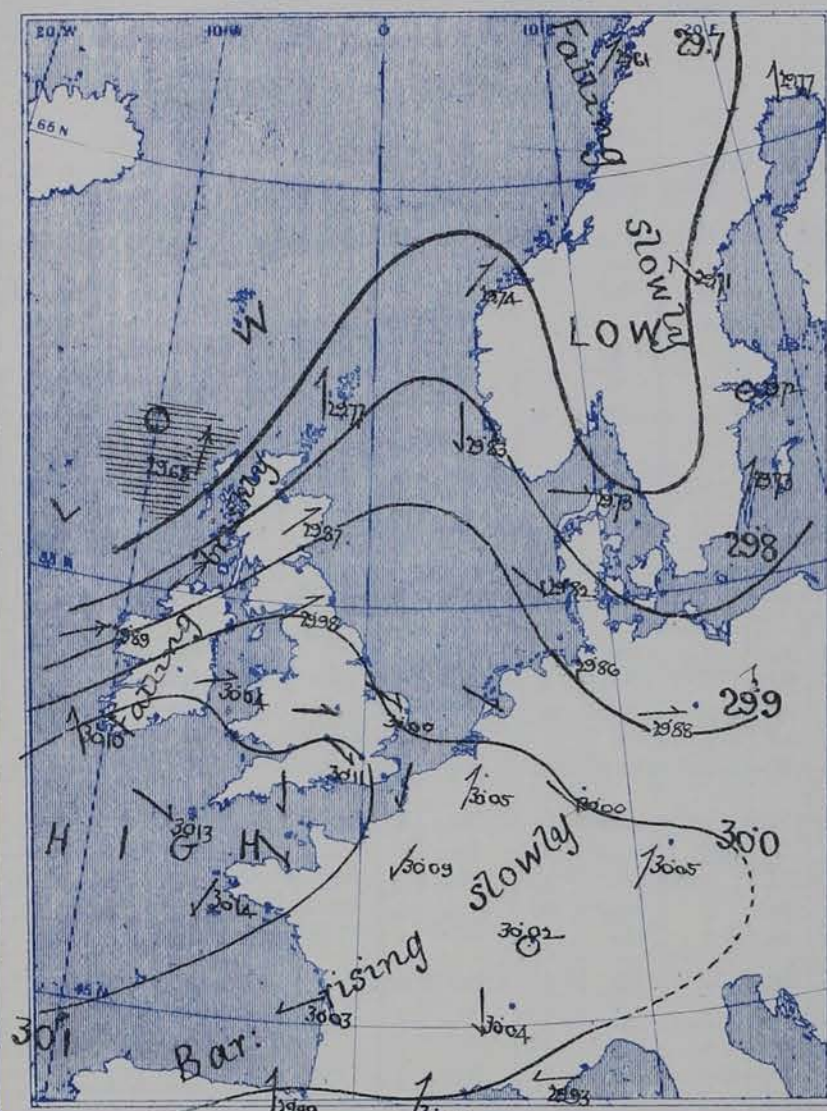
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ☉  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High



## TEMPERATURE AND 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. <i>(Inches.)</i>	TEMPERATURE OF AIR. 1871-95.								RAINFALL Means, 1866-95. <i>(Inches.)</i>	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Years.	Minimum.	Years.			
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	76*	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	—	—
Farsonstown	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	51.2	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 over the SW. of our Islands and the NW. of France.  
Lowest 29.7 ins. and less both over central Scandinavia and in the Hebrides.  
Gradients increasing considerably in the west.  
Barometer falling fast in the Hebrides and W. of Ireland.

## TEMPERATURE

Highest  $66^{\circ}$  to  $63^{\circ}$  in the S. and SW. of France,  $62^{\circ}$  to  $60^{\circ}$  on our own SW. coasts.  
Lowest  $47^{\circ}$  at Christiansund,  $48^{\circ}$  at Haparanda and Aberdeen,  $50^{\circ}$  at Hervisand,  
 Sumburgh H., Leitl and Shields.  
 It had been up to  $71^{\circ}$  at Jersey and Paris, and  $81^{\circ}$  at Perpignan. Last night, however,  
 was cool over St. Britain; the minima were  $36^{\circ}$  at Wick,  $44^{\circ}$  at Loughborough,  $46^{\circ}$  in London  
 $48^{\circ}$  at Oxford.

WIND

Very light and anticyclonic over France and England, SW. to S. in Scotland & Ireland, and freshening at the extreme northwestern stations.

## WEATHER

Still very fine at all the S<sup>th</sup> stations, but was becoming very unsettled looking in the N. and W.; rain was falling at Stornoway.  
Bright Sunshine recorded during yesterday amounted to nearly 10 hrs. at Scilly, to 7 hrs. on the N. coast of Wales to 6 hrs. on our S.E. coast, and at Southport.

SEA

Moderate and rising in the extreme W and NW.



### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Disturbed weather (wind and rain) is probable in the extreme W. and NW,  
fair, but not very settled, weather in the S. and E.

## FORECASTS

For the 24 hours ending at NOON on 16<sup>TH</sup> SEPTEMBER 1899.

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
0	{ SCOTLAND NORTH	<i>S<sup>24</sup> to W<sup>14</sup> winds, blowing hard, with rain.</i>	ft 6	{ SCOTLAND WEST	<i>Same as N<sup>o</sup> 0.</i>
1	{ SCOTLAND EAST	<i>S<sup>24</sup> and SW<sup>14</sup> winds, increasing in force, becoming unsettled and showery.</i>	7	{ ENGLAND N.W.	<i>Same as N<sup>os</sup> 1 and 2.</i>
2	{ ENGLAND N.E.		8	{ ENGLAND S.W.	
3	{ ENGLAND EAST		ft 9	{ IRELAND NORTH	<i>S<sup>24</sup> to W<sup>24</sup> winds, (gales in the west), rain at times.</i>
4	{ MIDLAND COUNTIES	<i>NW<sup>14</sup> to SW<sup>14</sup> breezes, fair as a whole, rather unsettled.</i>	10	{ IRELAND SOUTH	<i>At 10.20 am. today to districts 0, 6 and 9. Hail, South Cone</i>
5	{ ENGLAND SOUTH			WARNINGS	

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.		WEA.	SEA.		BAR.	THER.		WIND.		WEA.	SEA.
		Dry.	Wet.	Dir.	Force.					Dry.	Wet.	Dir.	Force.		
S. desnaes ...	29.91	55	50	rw	4	0	2	Valencia ...	30.22	64	56	rw	3	c	4
Sunburgh Head	29.81	52	49	rw	4	c	3	Scilly ...	30.14	62	58	n	5	bc	1
Stornoway ...	29.97	58	52	rw	4	c	4	Jersey ...	30.08	70	63	rw	3	c	3
Aberdeen ...	29.93	53	51	rw	4	c	3	Portland Bill ...	30.09	65	62	n	3	bc	2
Shields ...	29.97	63	60	rw	2	c	2	Dungeness ...	30.01	65	62	ete	2	0	1
Malin Head ...	30.05	57	52	rw	5	c	4	London	30.03	66	58	rw	2	bc	*
Belmullet ...	30.16	61	50	rw	3	c	*	(Westminster)							
Holyhead ...	30.10	62	58	n	5	bc	1	Yarmouth ...	29.97	64	58	rw	2	c	3
								Rochefort ...	29.96	79	75	ete	3	bc	*

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

Weather in morning fine over the Mediterranean, France and England, fair, but cloudy over N. Europe, dull and showery in Ireland, Scotland and the W. of Norway. Slight rain later in the last named regions (0.2 in. or more at Stockholm, Sunburgh, St. and Stornoway).

Temperature in morning highest 81° at Algiers, 75° at Barcelona, 71° at Sanguinaria, above 60° on the S and SW coasts of our Islands. Lowest 42° at St. Petersburg and Kuopio, 50° at Bodo, 51° at Karlsbad, 53° at Loughborough. Rising late to 60° at Naim 67° at Loughborough, 69° in London, 71° at Jersey and Paris, and 81° at Perpignan; becoming very cool over our inland districts at night.

Wind - light generally, but especially so over the east and south of Europe - N. in Sweden, variable over Germany and France, W. to NW. over the United Kingdom. Becoming NW. more generally in our Islands later, and falling very light.

Barometer. Highest (1) 30.2 ins. and more in the S. of Ireland and exceeding 30.0 ins. all over Ireland, England and the NW. half of France; (2) 30.1 ins. and more to 30.0 ins. over the N. of Russia, Finland and the Gulf of Bothnia. Lowest 29.8 ins. and less over the SE. of Europe and N. half of the Mediterranean, also over the Shetland Isles. Rising later over Scotland and Norway, falling a little 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, 16<sup>th</sup> September, 1899.*

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.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.		Rainfall.	
		At 8 <sup>30</sup> and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather.	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Max.					Min.			
																				Ins.		°
SCANDINAVIA.	Haparanda...	29.65	50	S	4	0	29.60	-17	48	48	0	E	2	r	*	0	*	52	46	0.35		
	Hernösand...	29.62	50	Z	0	r	29.50	-21	48	47	-2	HW	2	r	*	r	*	52	45	0.43		
	Stockholm...	29.82	54	WSW	2	0	29.56	-16	51	50	-4	WSW	2	0	*	0	*	61	50	0.32		
	Wisby...	29.63	55	W	4	b	29.61	-12	52	49	-5	W	4	b	*	b	*	61	50	-		
	Karlstad...	29.56	50	Z	0	r	29.57	-12	48	46	-7	WNW	2	0	*	r	*	*	*	0.20		
	Bodo...	29.63	46	SW	1	c	29.68	+07	45	44	-6	ESE	2	c	1	c	*	51	41	0.04		
	Christiansund...	29.65	46	Z	0	c	29.64	-10	46	44	-1	NE	3	b	3	c	*	52	43	0.08		
	Skudesnaes...	29.62	51	SW	1	0	29.48	-35	53	47	+3	E	4	0	2	c.0	*	54	48	*		
	Færder (X'iania Fjord)	29.58	47	NE	1	b	29.56	-11	51	50	-4	NE	4	0	3	0	*	59	46	-		
	The Scau (Skagen)	29.63	53	WNW	3	b	29.56	-17	54	50	-1	SW	2	0	0	b	*	59	48	-		
BRITISH ISLANDS.	Fanø...	29.74	53	W	4	0	29.42	-40	51	50	-4	SSE	6	0	*	c	*	61	52	0.08		
	Sumburgh Head...	29.30	49	S	6	r	29.44	-28	53	51	+3	E	4	0	6	r	*	53	48	0.82		
	Stornoway...	29.33	55	HW	5	0	29.54	-11	53	52	+2	HW	2	c	2	0	1.3	58	45	0.75		
	Wick...	29.97	51	SW	6	0	?	?	53	52	+3	HW	3	bc	3	0	*	55	42	0.60		
	Nairn...	29.35	55	W	1	c	29.52	-30	52	50	+4	WSW	1	bc	1	c	*	54	45	0.37		
	Aberdeen...	29.34	53	SSW	3	cg	29.48	-39	54	50	+6	HW	5	bcg	4	org, cg	0.5	54	45	0.42		
	Leith...	29.41	56	WSW	3	0	29.50	-41	58	53	+8	WSW	1	b	*	0	*	59	47	0.30		
	Shields...	29.54	54	SSW	2	r	29.47	-51	52	51	+2	W	2	b	2	r	*	56	48	0.30		
	Spurn Head...	29.72	56	SW	4	r	29.43	-59	55	52	+4	HW	5	bc	4	c. r	*	62	51	0.20		
	Loughborough...	29.79	58	SW	3	0	29.54	-54	53	51	+2	WNW	3	cp	*	bc, orgp	*	65	51	0.17		
FRANCE & NETHERLANDS.	Malin Head...	29.53	55	WNW	7	orgp	29.57	-25	55	54	+1	HW	6	cgp	c	r. rj	*	59	51	0.50		
	Belmullet...	29.77	58	W	3	c	29.82	-07	57	52	-2	WNW	6	c	*	r. c	*	61	52	0.12		
	Donaghadee...	29.62	60	HW	4	cgpp	29.56	-43	56	54	+4	WNW	4	orgp	4	cgpp	*	60	50	0.11		
	Liverpool (Bidston)...	29.66	55	SSW	5	r	29.53	-51	55	54	0	W	7	0	6	p	*	61	51	0.30		
	Holyhead...	29.70	58	WSW	6	orgp	29.61	-43	56	53	-1	WNW	7	cg	6	omp	*	62	53	0.15		
	Parsonstown...	29.75	60	W	2	r	29.78	-26	54	52	+1	W	1	0	*	od	0.0	60	52	0.05		
	Valencia...	29.89	62	W	5	0	29.91	-19	59	54	-1	WNW	6	0	5	rm.0	2.3	63	58	0.06		
	Roche's Point...	29.84	62	WSW	5	0	29.83	-29	59	55	+3	WNW	5	bc	3	p.0	*	64	52	-		
	Pembroke (St. Ann's Hd.)	29.83	62	W	6	0	29.70	-40	57	54	-3	HW	6	bc	5	c.0	4.4	62	55	-		
	Scilly...	29.99	63	WSW	5	c	29.79	-34	63	59	+1	HW	5	cp	3	c	*	69	57	0.03		
GERMANY.	Jersey (St. Aubert)...	30.03	65	W	3	bc	29.75	-38	65	57	+7	W	5	orgp	4	bc	*	68	55	0.04		
	Portland Bill...	29.95	63	W	6	c	29.66	-47	60	60	-2	HW	7	e	5	bc.0	*	65	56	-		
	Dungeness...	29.91	62	WSW	5	c	29.86	-51	61	57	+6	WSW	5	cp	4	c	*	66	55	0.14		
	London (Brixton)...	29.86	62	SW	2	0	29.57	-54	59	54	+5	HW	4	cg	*	bc, orgp	c.1	70	53	0.20		
	Oxford...	29.79	59	SW	4	0	29.59	-51	56	53	+4	W	4	0	*	bc. or	*	67	52	0.14		
	Yarmouth...	29.82	62	SW	3	c	29.44	-56	56	53	-1	WNW	4	c	3	b. c	*	63	57	0.31		
	Cuxhaven...	29.83	57	HW	3	c	29.46	-40	51	50	-6	S	5	r	*	c	*	59	48	0.16		
	Berlin...	29.84	56	W	2	c	29.69	-19	52	50	-5	SE	3	0	*	c	*	61	50	0.08		
	Wiesbaden...	*	*	*	*	*	29.70	-30	51	50	-2	HW	1	r	*	*	*	66	50	0.04		
	Munich...	30.06	53	SW	3	c	29.88	-17	51	50	-2	SW	2	c	*	c	*	57	45	0.04		
SPAN. PEN.	The Helder...	29.96	58	W	1	bc	?	?	55	54	-5	SW	3	r	?	bc	*	66	54	0.39		
	Brussels...	*	*	*	*	*	29.52	-53	55	54	+2	SW	6	r	*	0	*	66	52	0.47		
	C. Gris Nez...	29.93	61	W	5	0	29.57	-49	58	55	+1	HW	6	c	6	c	*	64	55	0.63		
	Paris...	29.99	62	Z	0	0	29.73	-36	54	53	0	SSW	3	r	*	0	*	72	52	0.04		
	Brest...	30.07	65	W	1	bc	29.85	-29	61	59	+7	HW	2	0	2	bc	*	68	50	0.08		
	Lorient...	30.04	66	WNW	4	b	29.86	-26	64	61	+7	W	5	0	5	b	*	75	57	-		
	Rochefort...	30.00	68	HW	4	b	29.92	-11	65	60	+6	HW	4	0	*	b	*	82	55	-		
	Belfort...	29.98	59	W	1	m	29.84	-18	50	49	-2	W	2	m	*	m	*	71	44	-		
	Lyons...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Nice...	29.91	64	SE	1	bc	29.86	-07	64	58	-2	E	1	b	1	bc	*	77	57	-		
FRANCE & NETHERLANDS.	Perpignan...	29.96	68	S	2	0	29.95	-05	61	58	-1	W	1	b	*	0	*	84	61	-		
	Biarritz...	29.98	70	WNW	2	b	29.99	-00	64	60	+1	S	4	bc	2	b	*	73	63	-		
	Corunna...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
SPAN. PEN.	Lisbon...	30.02	69	SW	2	b	30.04	+11	70	66	0	S	2	bc	*	b	*	73	64	-		
	Azores (P. Delgada)	30.29	68	NNE	5	bc	30.31	+08	68	60	0	NNE	4	bc	4	bc	*	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 recorded on the Tower of the Wesleyan Training College, Westminster

Bright Sunshine yesterday Southport 3.5 hrs.



# WEATHER CHARTS

FOR *Saturday, 16<sup>th</sup> September, 1899.*

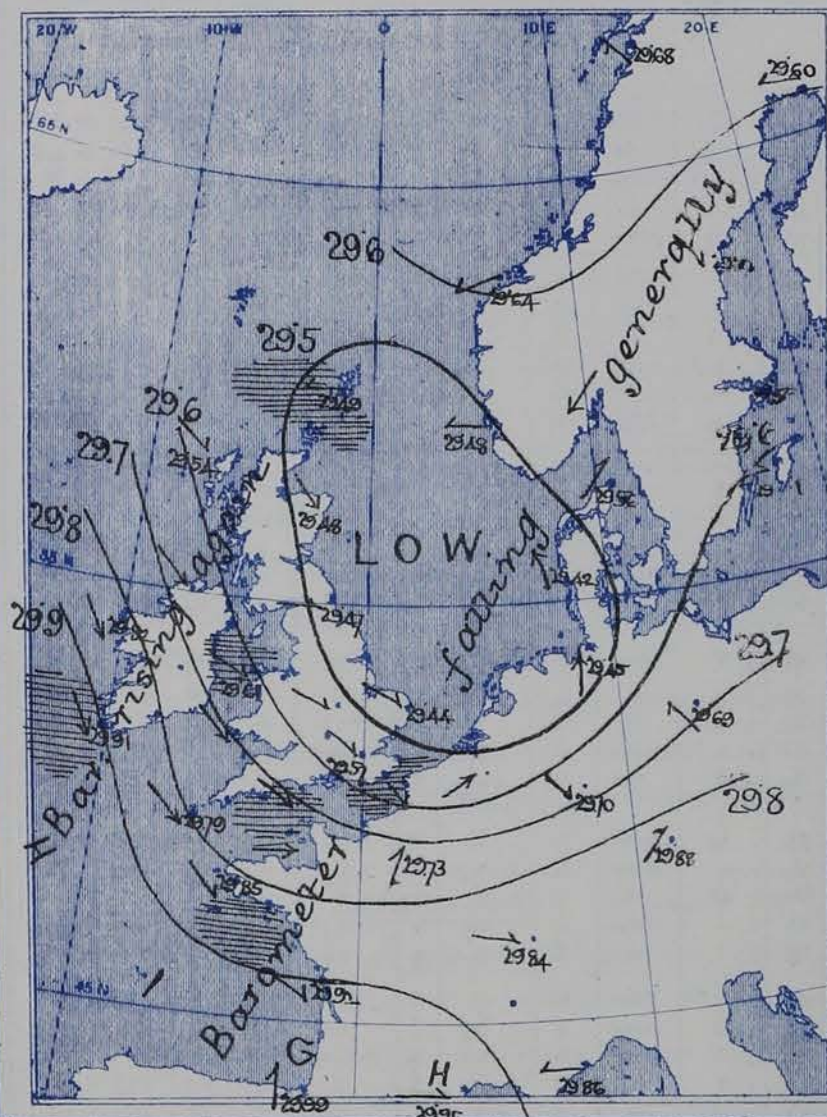
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ☉  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High

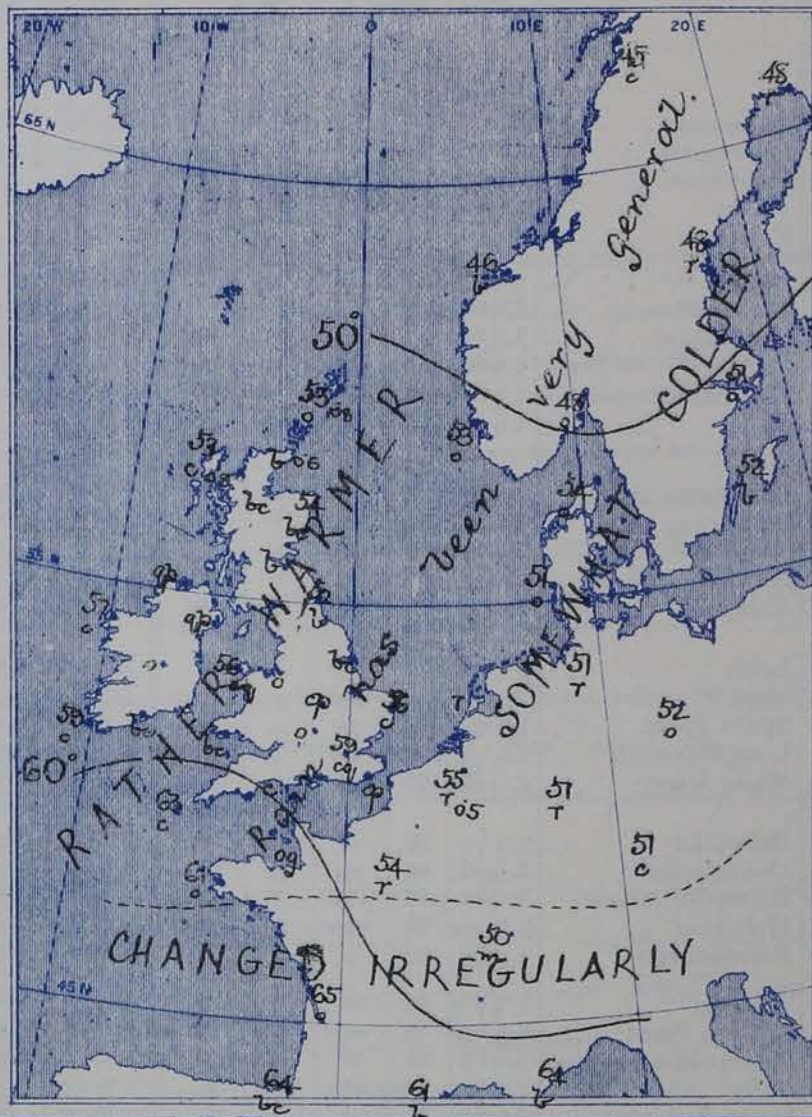


## TEMPERATURE AND WEATHER.

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.								RAINFALL Means, 1866-95.	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Years.	Minimum.	Years.			
	(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	<p>Highest 29.91 ins. at Valencia (Ireland), 29.99 ins. at Biarritz, 29.6 ins. and more over the N.W. and N.W.W. parts of Scandinavia.</p> <p>Lowest (1) Below 29.4 ins. over the North Sea; (2) below 29.5 ins. at Helsingfors.</p> <p>Gradients moderate to rather steep over our Islands, slight over Norway. Distribution rather complex. Barometer rising again in Ireland.</p>
TEMPERATURE	<p>Highest 65° to 66° in the S. and W. of France, and the extreme S.W. of England.</p> <p>Lowest 45° to 48° in the N. of Scandinavia and at Karlstad, 51° at Stockholm, Fano, at Nicobaraden and Munich, 53° in the N. of Scotland.</p> <p>A maximum of 70° was recorded in London yesterday, 72° at Paris, 82° at Rochefort, 84° at Perpignan.</p>
WIND	<p>W. and N.W. <sup>24</sup>, light, in Scotland, N.W. <sup>24</sup> strong and squally over England and the Channel, S.W. <sup>24</sup> to S. <sup>24</sup> over Germany, variable over the Baltic.</p>
WEATHER	<p>Temporarily fair in Scotland, squally and showery over England, improving, but becoming cooler over France.</p> <p>Rain has fallen at almost all stations in our Islands and their neighbourhood - the largest amount being 0.8 in. at Sumburgh W. the smallest 0.03 in. at Scilly.</p> <p>Bright Sunshine yesterday amounted to nearly 10 hrs at Eastbourne, 9 hrs at Brighton, 6 hrs at London and 3½ hrs at Southport. At Parsonstown there was none, and at Aberdeen only ½ an hour.</p>
SEA	<p>Rough on all exposed parts of our coasts.</p>


### PROBABLE CHANGES IN SYSTEM NOW PREVALENT


A gradual moderating of the N.W. <sup>24</sup> wind is now probable (after some smart passing showers) the sky is likely to clear and air become much cooler. The strong N.W. <sup>24</sup> wind will probably spread to the North Sea.

## FORECASTS

For the 24 hours ending at NOON on 17<sup>TH</sup> SEPTEMBER 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH		6 { SCOTLAND WEST	
1 { SCOTLAND EAST		7 { ENGLAND N.W.	NW <sup>24</sup> winds, strong to fresh, squally, showery, cooler, moderating.
2 { ENGLAND N.E.	NW <sup>24</sup> winds, strong to fresh, squally, showery, cooler, moderating	8 { ENGLAND S.W.	
3 { ENGLAND EAST		9 { IRELAND NORTH	NW <sup>24</sup> winds, fresh to moderate, showery to fair.
4 { MIDLAND COUNTIES		10 { IRELAND SOUTH	
5 { ENGLAND SOUTH			
		WARNINGS	The South Cone is still flying in districts 0, 6 and 9.

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.		WEA.	SEA.		BAR.		THER.		WIND.		WEA.	SEA.
		Dry.	Wet.	Dir.	Force.						Dry.	Wet.	Dir.	Force.		
Skudesnaes ...	29.77	54	49	W	4	c	2		Valencia ...	29.98	59	58	SW	5	rm	5
Sumburgh Head	29.49	49	47	S	5	r	6		Scilly ...	30.06	66	61	SW	4	c	2
Stornoway ...	29.35	58	55	NW	6	o	6		Jersey ...	30.09	67	59	W	3	bc	3
Aberdeen ...	29.56	49	48	S	5	ogrq	4		Portland Bill ...	30.04	65	63	NW	4	bc	3
Shields ...	29.78	53	53	SSW	3	4	2		Dungeness ...	30.00	65	61	SW	4	bc	3
Malin Head ...	29.53	59	59	SW	7	r	6		London	29.96	67	59	NW	3	c	*
Belmullet ...	29.77	61	60	W	5	r	*		(Westminster)							
Holyhead ...	29.86	58	55	SW	6	optm	4		Yarmouth ...	29.92	62	53	NW	3	bc	3
									Rochefort ...	30.04	76	72	NE	3	bc	*

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

*Continental information not received.*

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

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

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

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

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# DAILY WEATHER REPORT

for 8 a.m. on Sunday, 17<sup>th</sup> September, 1899.  
 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.		WIND.				
		At 32° and M.S.L.	Dry Bulb	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb	Wet Bulb	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.		
																		Max	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda...	29.61	49	SE	4	r	29.65	+0.5	49	48	+1	S	2	0	*	r	*	52	46	0.24
	Hernösand...	29.61	47	SW	2	0	29.69	+1.9	42	41	-6	L	0	0	*	0	*	52	43	0.24
	Stockholm...	29.68	52	L	0	0	29.67	+1.1	52	51	+1	SE	2	r	*	0	*	54	50	-
	Wisby...	29.68	48	S	4	b	29.60	-0.1	54	52	+2	S	2	r	*	0	*	57	46	0.16
	Karlstad...	29.66	49	L	0	0	29.65	+0.8	47	45	-1	NE	2	0	*	0	*	*	*	-
	Bodö...	29.63	48	N	1	b	29.51	-1.7	46	45	+1	L	0	c	0	b	*	50	43	0.12
	Christiansund...	29.65	47	NE	2	b	29.49	-1.5	47	43	+1	SE	1	0	2	b	*	52	41	-
	Skudesnaes...	29.65	54	NNW	2	b	29.63	+1.5	54	51	+1	SE	4	c	3	b	*	61	48	-
	Færder (X'ania Fjord)	29.65	53	E.N.E.	2	b	29.64	+0.8	50	48	-1	E.N.E.	2	0	2	b	*	54	45	-
	The Scaw (Skagen)	29.63	53	E	3	b	29.63	+0.7	53	49	-1	NE	2	0	0	b	*	57	50	0.08
BRITISH ISLANDS.	Fanö...	29.49	53	E.N.E.	4	c	29.62	+2.0	48	47	-3	NE	2	0	*	r.c	*	55	46	0.39
	Sumburgh Head...	29.65	52	ESE	1	c	29.28	-2.1	54	53	+1	NSW	3	c	4	b.c.c	*	56	48	0.04
	Stornoway...	29.65	55	WNW	3	0	29.38	-1.6	55	52	+2	WNW	5	0	5	c.o	3.8	60	49	0.03
	Wick...	29.64	53	SE	1	0	29.34	?	56	53	+3	SW	2	c	2	0	*	56	50	0.05
	Nairn...	29.67	56	L	0	c	29.40	-1.2	56	53	+4	W	2	r	1	c	*	62	50	0.01
	Aberdeen...	29.68	55	NW	3	c	29.45	-0.3	56	53	+2	SW	2	c	2	op.q.c	3.3	57	49	0.02
	Leith...	29.68	58	NNW	2	b	29.52	+0.2	57	55	-1	SW	3	r	*	b	*	68	52	0.01
	Shields...	29.66	57	NW	2	c	29.61	+1.4	58	57	+6	SW	2	om	2	c	*	60	50	-
	Spurn Head...	29.63	57	NW	5	c	29.69	+2.6	56	54	+1	WNW	4	0	3	c	*	59	55	-
	Loughborough...	29.69	58	W	2	b	29.79	+2.5	55	53	+2	W	2	om.w	*	cp.b.c	*	64	52	0.02
FRANCE & NETHERLANDS.	Malin Head...	29.76	55	SW	5	0	29.60	+0.3	56	55	+1	WNW	7	0.q.p	5	eq.o	*	59	55	0.09
	Belmullet...	29.88	58	WSW	2	r	29.77	-0.5	60	58	+3	WNW	5	b	*	o.r.m	*	60	54	0.04
	Donaghadee...	29.76	59	NNW	3	0	29.66	+1.0	58	55	+2	W	3	c.q	2	c	*	61	51	0.01
	Liverpool (Bidston)	29.74	57	WNW	4	b	29.73	+2.0	59	57	+4	WSW	5	c	4	p.b	*	61	55	0.06
	Holyhead...	29.79	59	N	3	c	29.78	+1.7	60	57	+4	WSW	3	c	2	q.p.c	*	66	53	-
	Parsonstown...	29.89	57	NNW	1	c	29.83	+0.5	60	56	+6	W	1	c	*	c	2.6	61	54	-
	Valencia...	29.97	61	NNW	3	0	29.95	+0.4	62	59	+3	W	4	em	5	c.q. om	4.5	63	58	0.02
	Roche's Point...	29.93	61	NNW	4	b	29.91	+0.8	62	59	+3	NW	4	b	3	b	*	63	56	-
	Pembroke (St. Ann's Hd.)	29.84	58	NW	7	c	29.86	+1.6	62	61	+5	NW	5	0	4	c	5.7	63	57	-
	Scilly...	29.89	63	NNW	6	c	29.96	+1.7	64	62	+1	W	4	c	3	cp.c	3.8	64	57	0.01
GERMANY.	Jersey (St. Aubin's)	29.79	64	NNW	5	c	29.96	+2.1	63	59	-2	W	4	c	4	c.r.q	*	67	59	0.02
	Portland Bill...	29.76	62	NNW	7	b	29.90	+2.4	60	60	0	NNW	4	0	4	c.q.b	*	63	57	0.02
	Dungeness...	29.64	56	NNW	3	b	29.84	+2.8	60	56	-1	NNW	2	0	2	b	*	67	49	0.07
	London (Brixton)	29.69	59	N	3	b	29.83	+2.6	56	52	-3	WSW	2	0	*	cp.b	4.1	65	50	0.07
	Oxford...	29.77	54	NW	3	b	29.83	+2.4	54	52	-2	SW	2	0	*	p.k.b	*	63	50	0.14
	Yarmouth...	29.59	57	NW	5	c	29.76	+3.2	55	53	-1	W	4	cm	3	c	*	60	51	0.03
	Cuxhaven...	29.39	55	L	0	0	29.60	+1.4	50	54	+5	N	3	c	*	0	*	57	51	0.08
	Berlin...	29.54	54	S	3	b	29.65	-0.4	52	50	0	SW	2	c	*	b	*	57	48	0.08
	Wiesbaden...	...	*	*	*	*	29.78	+0.8	53	52	+2	W	3	m	*	*	*	59	46	0.47
	Munich...	29.78	52	W	6	r	29.86	-0.2	48	48	-3	W	5	r	*	r	*	63	48	0.67
SPAIN.	The Helder...	29.49	60	NW	5	0	29.71	?	61	58	+6	N	1	c	1	0	*	?	54	0.16
	Brussels...	...	*	*	*	*	?	?	57	55	+2	W	2	0	*	c	*	62	50	0.16
	C. Gris Nez...	29.68	60	N	5	0	29.82	+2.5	57	55	-1	NW	4	c	1	0	*	63	48	-
	Paris...	29.71	59	NW	3	b	29.91	+1.8	49	49	-5	S	2	0	*	b	*	68	46	0.04
	Brest...	29.92	62	NW	2	0	30.01	+1.6	62	59	+1	W	1	0	2	0	*	64	55	-
	Lorient...	29.90	62	NNW	6	0	30.03	+1.7	60	58	-4	NW	3	c	5	0	*	75	59	-
	Rochefort...	29.84	66	NNW	6	0	30.02	+1.0	63	59	-2	N	4	b	*	0	*	70	59	-
	Belfort...	29.69	52	WSW	6	c	29.86	+0.2	57	48	+1	W	3	0	*	e	*	62	46	0.24
	Lyons...	29.70	62	SW	1	0	29.93	0.0	53	50	-3	NW	2	0	*	0	*	73	51	0.08
	Nice...	29.63	73	NW	6	b	29.46	-1.40	66	54	+2	NE	2	0	3	b	*	82	63	-
PEN.	Perpignan...	29.86	71	N	2	0	29.92	-0.3	63	55	+2	NW	4	0	*	0	*	84	59	-
	Biarritz...	29.95	68	NNW	5	0	30.06	+0.7	64	60	0	N	3	0	4	0	*	70	61	0.47
	Corunna...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
AZORES.	Lisbon...	30.14	67	NNW	3	b	30.15	+1.1	68	62	-2	N	4	0	*	0	*	72	63	0.08
	Azores (P. Delgada)	30.34	66	NE	3	0	30.33	+0.2	66	63	-2	NNE	4	0	3	0	*	73	63	-

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

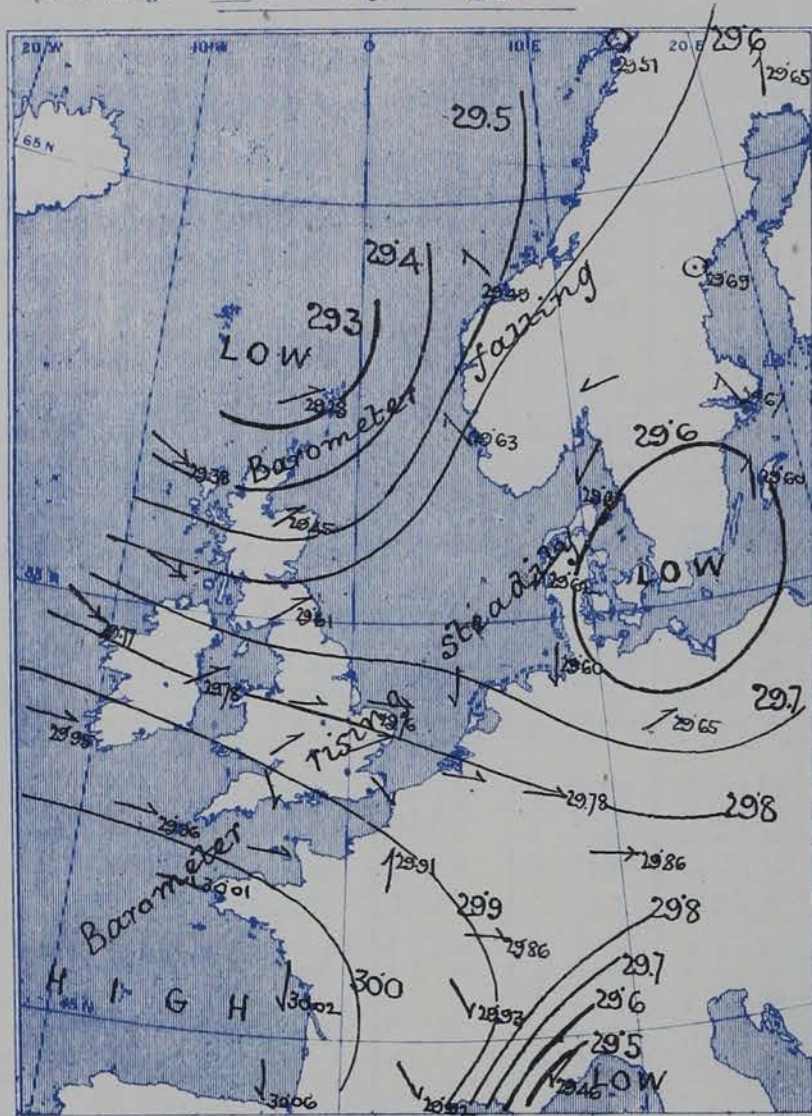
NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster

Bright Sunshine yesterday Southport 8.3 hrs.

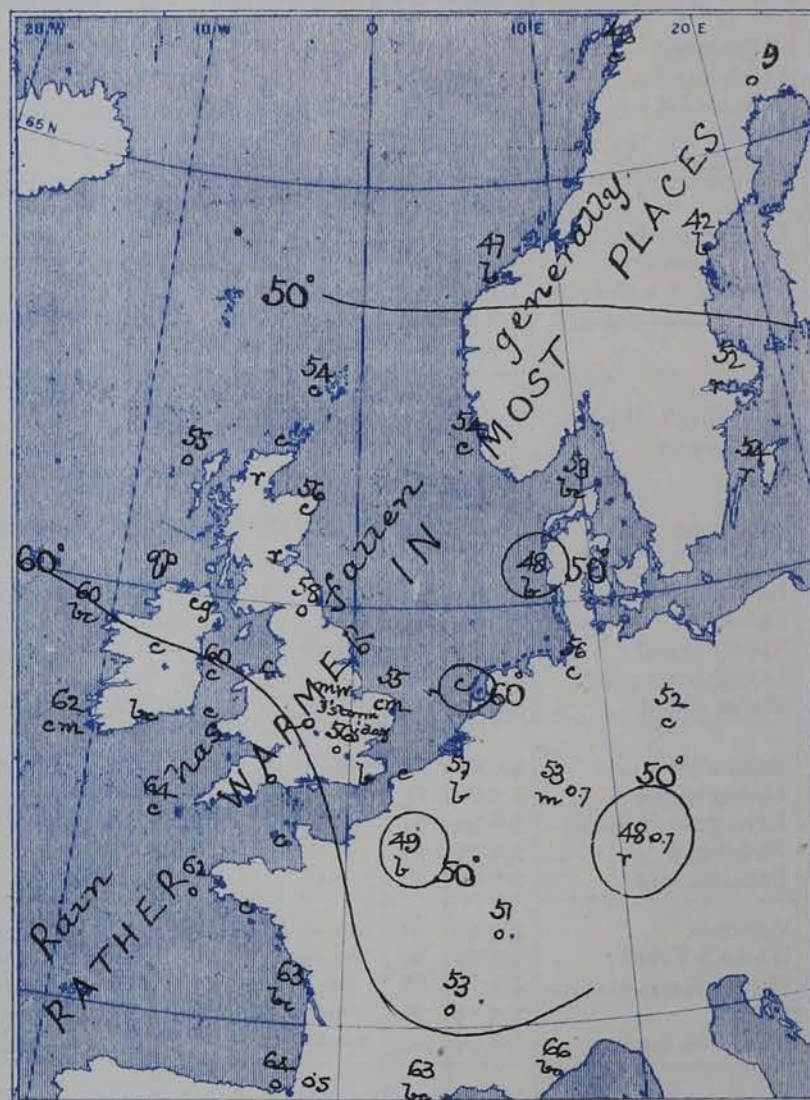


Sunday, 17<sup>th</sup> September, 1899.

SEA.—Rough  : High 



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—0·8



STATIONS.	PRESSURE AT 8 A.M. Means, 1871-95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL Means, 1866-95. (Inches.)	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Years.	Minimum.	Years.			
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	—	—
Farsonstown	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	—	—

† The Sunshine values are for Westminster.



## GENERAL SITUATION AT 8 A.M.

### PRESSURE

*Highest* (1) 30.0 ins: and more over the Bay of Biscay and exceeding 29.8 ins: over the whole of France and the southwest of our Islands; (2) 29.7 ins: and more over Ireland.  
*Lowest* (1) 29.3 ins: and less in a depression near the Shetlands; (2) 29.6 ins: and less over Holstein, Saxony and the south of Sweden. *Gradients* were rather steep over Scotland and Norway, slight over France, moderate elsewhere. *Barometer* was falling at the northern stations.

### TEMPERATURE

*Highest* 66° to 63° in the south and southwest of France, 64° to 65° in the extreme south and southwest of our Islands, 60° at Papenstoun and Holyhead.  
*Lowest* 42° at Helsingfors, 46° at Bodø, below 50° over the north of Scandinavia generally, 48° at Tams, 54° at Skutumpah Head.  
 The maxima yesterday were all less than 70° in our Islands, but 75° at Lorient, 73° at Lyons, 82° at Nice, 84° at Perpignan.

### WIND

(1) Westerly (WSW to WNW) over the British Islands and blew strongly on our northwest coasts, freshly in the west. They were westerly to northwesterly over France, Easterly (NE to SE) in Norway; Northeasterly, light in Denmark, Northerly at Cuxhaven, Westsouthwesterly at Berlin.

### WEATHER

(1) Changeable and showery in the north and northwest of our Islands, cloudy (but dry) in the south, clear over France and the northern parts of Scandinavia; (2) rainy in the southeast of Sweden.  
 Rainfall had again been rather general, but not heavy in amount, thunder was heard in the south of London, and at Oxford. Bright sunshine varied from 5.7 hrs: at Pembroke to 2.2 hrs: (at Papenstoun).

### SEA

Rather rough in the extreme north and west, moderate to slight elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS

For the 24 hours ending at NOON on **SEPTEMBER 18<sup>TH</sup>** 1899.

### DISTRICTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

### FORECASTS.

*Issued.*  
  
*None*



### DISTRICTS.

- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH

### WARNINGS

### FORECASTS.

*Issued.*  
  
*None*  
  
*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.		WIND.		WEA.		SEA.			BAR.	THER.		WIND.		WEA.		SEA.	
		Dry.	Wet.	Dir.	Force.							Dry.	Wet.	Dir.	Force.				
Skudesnaes ...	29.57	60	51	NE	2	0	2			Valencia ...	29.97	62	57	NW	5	c q	6		
Sumburgh Head	29.63	56	52	E	2	6c	5			Scilly ...	29.85	63	57	NW	6	c q	3		
Stornoway ...	29.64	60	55	NW	2	c	2			Jersey ...	29.77	65	58	NW	6	c	4		
Aberdeen ...	29.62	56	53	NW	6	0 q p	4			Portland Bill ...	29.70	61	61	NW	8	c q	5		
Shields ...	29.60	58	56	N	2	c	2			Dungeness ...	29.57	62	57	NW	4	c q	3		
Malin Head ...	29.71	57	55	NW	5	c	5			London	29.60	63	57	NW	3	bc	*		
Belmullet ...	29.88	58	57	NW	3	0	*			(Westminster)	29.60	63	57	NW	3	bc	*		
Holyhead ...	29.73	60	56	NW	5	c p	4			Yarmouth ...	29.51	59	54	NW	5	c q	4		
										Rochefort ...	29.88	65	63	NW	5	0	*		

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

Weather in morning fine and bright over the Mediterranean, southwestern and southern Europe, dull, and more or less unsettled elsewhere; rain falling over several parts of the north of France, the Netherlands, and also in the Gulf of Bothnia and Finland, showers at some of our northwestern and western stations. Rain later in almost all parts of the United Kingdom, and all over central Europe; thunder heard over the inland counties of England.

Temperature changing little but fitfully. Highest, 80° at Algiers, 77° at Barcelona, 73° at Leghorn; above 60° in the west of France, and extreme southwest of England, 59° in London, and at Valencia. Lowest 41° at Archangel, and below 50° over the northern half of Scandinavia, 52° at Narvik, 53° at Stornoway, Sumburgh Head and Copenhagen. Failing to reach 70° in any part of our Islands later, but touching 75° at Lorient, 82° at Nice and 84° at Paphos.

Wind (1) Easterly and southeasterly over Northern Europe and at Sumburgh Head, northerly and northwesterly in our Islands, southerly in the Netherlands, southwesterly over Germany; (2) very light and variable over the southern countries of Europe.

Barometer highest 30.0 ins. and more to 29.9 ins. over southwestern, southern, and southeastern Europe, and also in the north and northeast of Russia. Lowest 29.3 ins. in a depression over the North Sea, and 29.5 ins. and less in another over the Gulf of Bothnia. The disturbance over the North Sea moving southwards later, and barometer rising on all our coasts.

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

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

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

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

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" Weekly " " £1 10 0 "



# DAILY WEATHER REPORT

for 8 a.m. on *Monday, 18<sup>th</sup> September, 1899.*  
 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 Sun- shine.	TEMP.		Rainfall.	
				At 32° and M.S.L.	Dry Bulb		Dir.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb	Wet Bulb	Change since Yester- day.					Dir.	Force (0 to 12.)		Max
Ins.		°				Ins.	Ins.	°	°	°									Ins.		
SCANDINAVIA.	Haparanda...	29.65	49	S	2	c	29.52	-13	50	48	+1	SE	4	c	*	c	*	52	46	-	
	Hernösand...	29.50	50	Z	0	r	29.30	-20	48	47	+6	NE	2	r	*	r	*	54	37	0.20	
	Stockholm...	29.49	54	Z	0	o	29.31	-18	53	52	+1	S	2	o	*	o	*	57	48	0.28	
	Wishby...	29.51	55	S	4	bc	29.38	-13	54	51	0	SSW	4	o	*	bc	*	59	46	0.04	
	Karlstad...	29.56	50	Z	0	bc	29.44	-12	51	50	+4	SE	6	r	*	bc	*	*	*	0.08	
	Bodo...	29.47	50	Z	0	o	29.31	-16	47	42	+1	E	6	c	1	o	*	52	43	-	
	Christiansund...	29.22	51	SE	1	c	29.09	-13	50	48	+3	SE	1	r	2	c	*	52	46	0.12	
	Skudesnaes...	29.25	54	WSW	4	o	29.14	-11	50	47	-4	WNW	2	e	3	o	*	55	48	*	
	Færder (X'ania Fjord)	29.44	54	SSW	2	o	29.05	-39	54	51	+4	WSW	6	o	3	o	*	55	50	0.35	
	The Scaev (Skagen)	29.46	54	S	2	o	29.17	-29	54	50	+1	W	3	e	0	o	*	64	50	0.08	
Fanø...	29.47	58	SW	4	c	29.31	-16	55	51	+7	W	6	c	*	c	*	63	48	0.12		
BRITISH ISLANDS.	Sumburgh Head...	29.13	51	WSW	3	c	28.97	-16	47	46	-7	Z	0	c	4	c	*	57	44	0.28	
	Stornoway...	29.31	50	W	5	bc	29.21	-10	51	48	-4	HW	6	o	6	r, bc, l	3.4	56	43	0.53	
	Wick...	29.28	54	HW	4	c	28.96	-32	51	49	-5	HW	7	o	4	c, l	*	59	42	0.25	
	Nairn...	29.34	51	W	3	bc	29.16	-18	47	46	-9	W	4	cp	3	bc	*	60	44	0.32	
	Aberdeen...	29.38	53	WSW	2	bc, q, p	29.16	-22	52	46	-4	W	8	bc, q, p, u	4	bc, q, p	2.9	61	43	0.02	
	Leith...	29.47	56	W	4	bc	29.32	-15	52	47	-5	WSW	3	r	*	bc	*	64	45	0.09	
	Shields...	29.53	57	WSW	3	bc	29.40	-13	48	48	-10	W	4	bc, p	2	p, bc	*	63	45	0.04	
	Spurn Head...	29.51	61	WSW	5	o	29.50	-19	54	51	-2	WSW	6	c, q, p	3	o	*	62	54	-	
	Loughborough...	29.72	60	WNW	2	c	29.65	-7	54	50	-1	WNW	4	c, q, p	*	bc, c, q, p	*	66	52	0.04	
	Malin Head...	29.55	56	W	8	bc	29.49	-6	53	48	-3	HW	8	bc, q	7	q, r, l, t	*	58	49	0.53	
FRANCE & NETHERLANDS.	Belmullet...	29.81	58	WNW	8	bc	29.79	+0.2	57	55	-3	WNW	7	bc	*	bc, u	*	61	54	0.02	
	Donaghadee...	29.61	58	HW	2	bc, p	29.57	-0.4	52	49	-6	HW	4	o, q, p	5	bc, p, l	*	64	49	0.19	
	Liverpool (Bidston)	29.70	59	WSW	6	c	29.58	-12	55	51	-4	WSW	8	c	7	c, m	*	63	49	0.35	
	Holyhead...	29.75	60	W	4	c	29.68	-7	56	50	-4	W	8	c, q	6	c	*	65	50	-	
	Parsonstown...	29.85	57	W	1	bc	29.86	+0.1	55	51	-5	W	2	bc, q	*	bc	3.1	62	52	0.01	
	Valencia...	30.00	60	W	6	om	29.97	+0.2	59	54	-3	WNW	6	om	6	om	3.5	63	57	-	
	Roche's Point...	29.92	62	WNW	5	bc	29.94	+0.3	57	53	-5	HW	5	c	4	bc	*	66	54	-	
	Pembroke (St. Ann's Hd.)	29.85	61	WNW	5	bc	29.81	-0.5	56	53	-6	WNW	7	r	5	bc, q	5.4	65	55	0.02	
	Scilly...	29.96	64	WNW	5	c	29.97	+0.1	62	58	-2	WNW	5	c	4	c, p	7.5	67	57	-	
	Jersey (St. Aubin's)	29.93	65	W	6	o, q, m	29.95	-0.1	62	55	-1	W	5	bc, m	4	bc, o, q	*	68	59	-	
GERMANY.	Portland Bill...	29.85	65	HW	5	c	29.84	-0.6	60	56	0	HW	7.8	c	5	c	*	67	57	-	
	Dungeness...	29.75	64	WSW	5	c	29.77	-0.7	58	54	-2	WSW	5	bc	4	c	*	68	54	-	
	London (Brixton)	29.76	65	W	2	c	29.71	-5	56	51	0	HW	4	c	*	c, b	2.8	69	51	-	
	Oxford...	29.78	62	W	3	o	29.73	-5	57	52	+3	SW	4	c	*	o	*	70	51	-	
	Yarmouth...	29.68	63	SW	3	c	29.65	-3	55	50	0	W	5	c, q	4	c	*	64	50	-	
	Cuxhaven...	29.63	59	WSW	2	o	29.46	-17	54	52	-2	WSW	5	r	*	o	*	59	52	0.16	
	Berlin...	29.76	53	SW	2	bc	29.61	-15	55	52	+3	SW	3	r	*	bc	*	63	52	-	
	Wiesbaden...	*	*	*	*	*	29.76	-0.2	57	55	+4	SW	3	c	*	*	*	61	52	0.04	
	Munich...	30.02	53	W	4	o	29.96	+1.0	50	48	+2	SW	4	o	*	o	*	57	46	-	
	SPAIN.	The Helder...	29.65	60	SW	4	o	29.54	-11	59	53	-2	W	7	o	7	o	*	66	50	-
Brussels...		*	*	*	*	*	29.76	-0.5	57	53	0	W	5	bc	*	o	*	64	54	-	
C. Gris Nez...		29.78	64	WSW	6	o	29.77	-0.5	58	53	+1	HW	6	bc	6	o	*	64	54	-	
Paris...		29.91	65	SW	2	o	29.93	+0.2	59	56	+10	SW	2	c	*	o	*	71	49	-	
Brest...		30.08	64	W	2	c	30.08	+0.7	61	57	-1	WNW	2	c	2	c	*	70	57	-	
Lorient...		30.04	66	W	5	bc	30.06	+0.3	61	57	+1	HW	4	b	4	bc	*	70	59	?	
Rochefort...		30.04	67	HW	4	bc	30.04	+0.2	66	63	+3	WNW	3	o	*	bc	*	70	59	-	
Belfort...		30.00	55	SW	1	o	29.97	+1.1	53	52	+2	W	5	o	*	o	*	57	48	-	
Lyons...		30.02	56	W	1	o	30.06	+1.3	54	53	+1	SW	1	o	*	o	*	62	52	-	
Nice...		29.68	64	SW	6	b	29.82	+13	63	50	-3	NE	4	b	2	b	*	75	57	-	
PEN.	Perpignan...	29.91	68	HW	5	bc	30.02	+1.0	68	59	+5	HW	4	b	*	b	*	73	63	-	
	Biarritz...	30.12	68	HW	4	c	30.11	+0.5	68	65	+4	HW	2	o	4	c	*	70	63	0.04	
	Corunna...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
AZORES.	Lisbon...	30.15	66	WNW	4	b	30.13	-0.2	70	65	+2	WNW	3	b	*	b	*	75	63	-	
	Azores (P. Delgada)	30.35	68	NE	3	c	30.30	+0.3	69	65	+3	NE	3	bc	3	c	*	73	64	-	

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 2.4 hrs.



# WEATHER CHARTS

FOR Monday, 18<sup>th</sup> September, 1899.

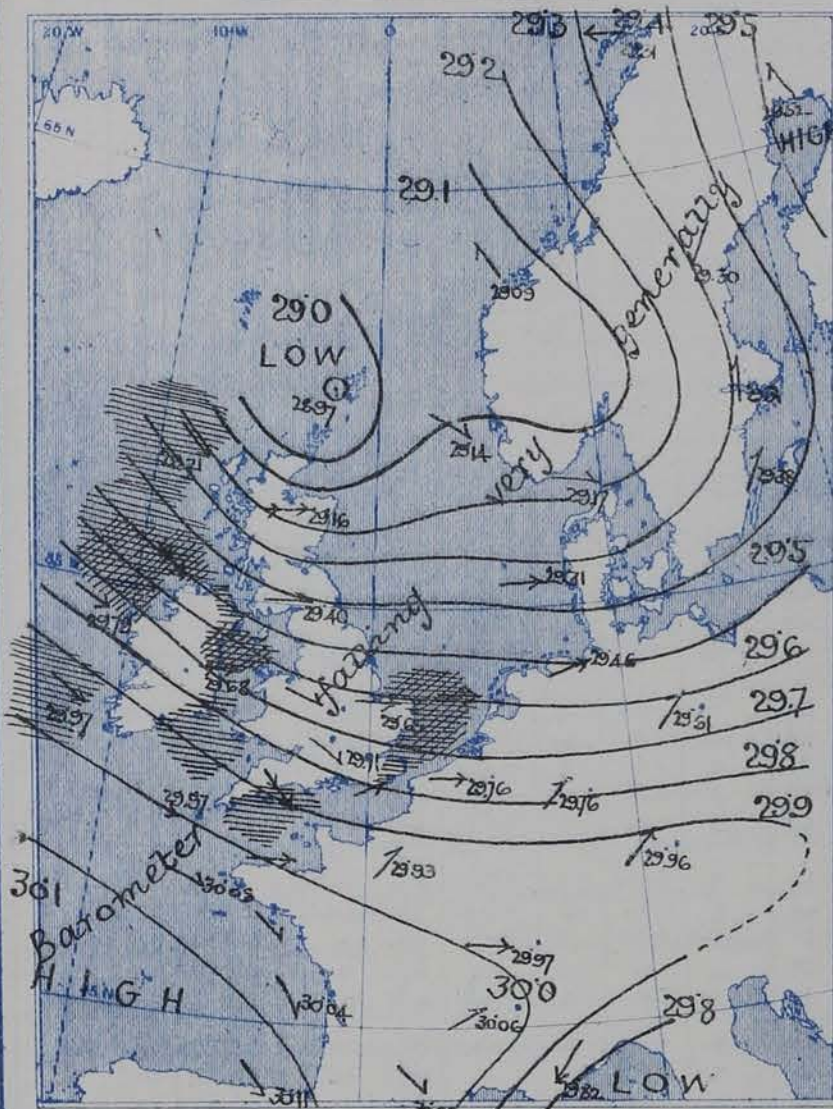
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ○  
Force 8 to 10 → : Force 1 to 4 → :

SEA—Rough : High :

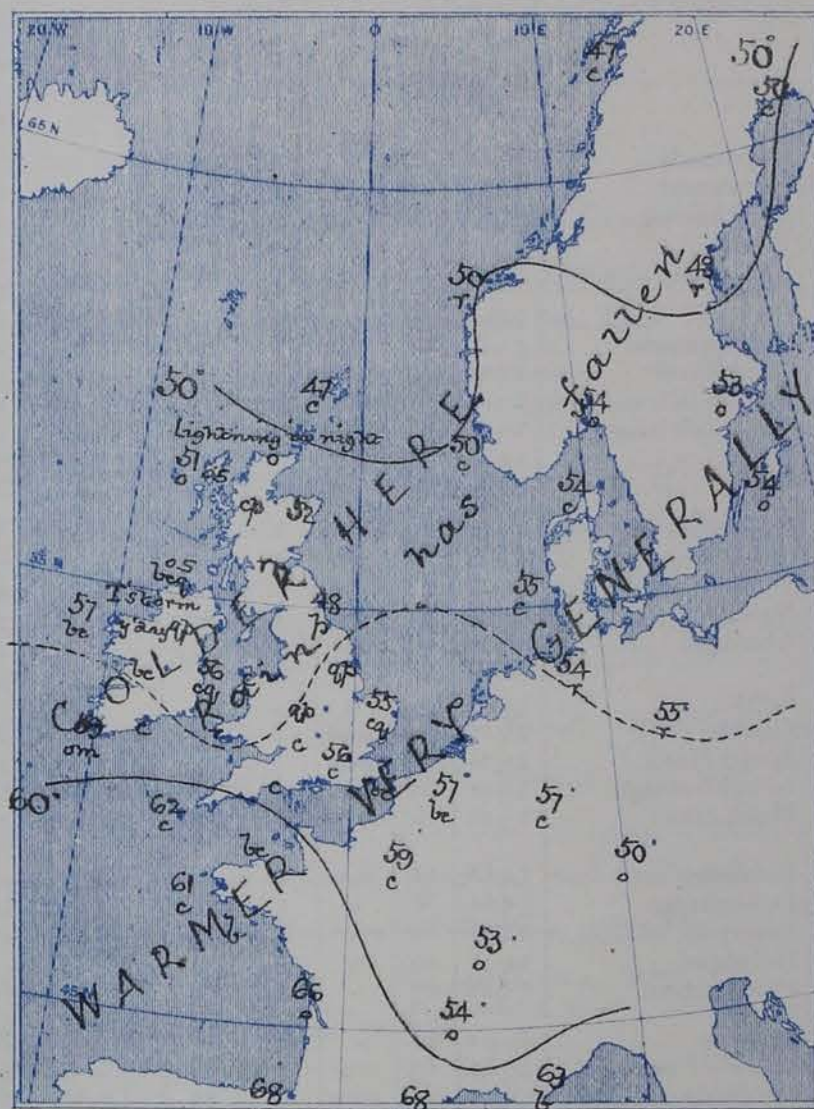


## TEMPERATURE AND WEATHER.

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. <i>(Inches.)</i>	TEMPERATURE OF AIR. 1871-95.								RAINFALL Means, 1806-95. <i>(Inches.)</i>	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Years.	Minimum.	Years.			
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	76*	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	29.982	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	1886	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	<p>Highest (1) 30.11 inches at Biarritz, and exceeding 30.0 inches all over the Bay of Biscay; (2) 29.52 inches at Haparanda.</p> <p>Lowest 28.96 inches at Wick and 28.97 inches at Dumburgh Head; 29.05 inches at Tazewell.</p> <p>Gradients were rather steep, especially in the west and northwest of our Islands.</p> <p>Barometer was falling generally - most on our north and northeast coasts.</p>
TEMPERATURE	<p>Highest 68° in the southwest of France, 61° in the northwest, 60° to 62° on the southern coasts of the S.W. of England.</p> <p>Lowest 47° at Bodo, Dumburgh Head and Naix, 48° at Shields, 51° at Stromway and Karbolast.</p> <p>The thermometer rose to a maximum of 70° at Oxford yesterday, also at Lorient and Rochefort, 71° at Paris.</p> <p>At almost all our own stations it was lower, and touched only 59° at Wick.</p>
WIND	<p>Westerly to Northwesterly, throughout the United Kingdom and in Holland - blowing a moderate gale in the northwest and north, and a very strong, squally breeze in the south and southeast.</p> <p>In Scandinavia it was Southerly to Easterly.</p>
WEATHER	<p>Cloudy and rather unsettled generally - squally and showery in most parts of our Islands, and fog only in the west and northwest of France, and over Lapland. Rain had again fallen at the northern and northwestern stations, and was inclined to spread southward over England.</p> <p>Bright sunshine recorded yesterday, amounted to 7.5 hours at Lally, and 5.44 hours at Pembroke, but was less elsewhere.</p>
SEA	<p>Rather high at some northwestern stations - rough in all exposed places.</p>

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

of continuance of very strong Northwesterly winds and showers is probable today; tonight is likely to be cool.

## FORECASTS

For the 24 hours ending at NOON on SEPTEMBER 19<sup>TH</sup> 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	Strong and squally winds from Northwest; passing showers. Cool.	6 { SCOTLAND WEST	Strong and squally winds from Northwest; passing showers. Cool.
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 (  $\nabla$  ), 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 (  $\blacktriangledup$  ), 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.		WIND.		WEA.		SEA.		BAR.		THER.		WIND.		WEA.		SEA.
		Dry.	Wet.	Dir.	Force.							Dry.	Wet.	Dir.	Force.			
Skudesnaes ...	29.45	54	53	SSE	7	r	+			Valencia ...								
Sumburgh Head										Scilly ...								
Stornoway ...	29.86	52	50	WWSW	5	r q	5			Jersey ...	29.96	66	62	WSW	5	bc	+	
Aberdeen ...										Portland Bill ...								
Shields ...										Dungeness ...	29.89	67	62	WSW	4	c	3	
Malin Head ...	29.59	57	52	N	7	0	6			London								
Belmullet ...	29.81	60	59	N	6	bc	*			(Westminster)								
Holyhead ...										Yarmouth ...								
										Rochefort ...	30.04	69	65	WSW	4	bc	*	

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

*Continental information not received.*

### SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 10<sup>TH</sup> TO 16<sup>TH</sup> SEPT.

During this week the southwestern and southern parts of our Islands and the greater part of France have been subject to anticyclonic conditions, so that in those regions the rainfall has been slight, and the winds light and variable. Temperatures have occasionally risen to a little above 70° over some of the southern parts of our Islands, but as a whole the daily maxima have been rather below that value, and the minima (in the night) have been rather low.

In the north depressions of moderate intensity for the time of year, have appeared from time to time and have caused moderate to strong breezes at the northern stations. Some of these have moved southeastwards towards Germany, and that of Thursday brought considerable showers of rain to nearly all parts of the country, while in Germany the fall was frequently very large.

At the close of the week the weather was improving in the south, but a recurrence of the falls of rain and of strong winds was probable.

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

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

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

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

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# DAILY WEATHER REPORT

for 8 a.m. on

Tuesday, 19<sup>th</sup> September,

1899.

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.		Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.			Rainfall.
		At 32° and M.S.L.	Dry Bulb	Direc.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.		Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Max.	Min.							
		Ins.	°					Ins.	Ins.	°	°	°									Ins.	
SCANDINAVIA.	Haparanda...	29.40	50	SE	2	r		29.36	-16	51	50	+1	SSE	6	r	*	r	*	54	46	0.39	
	Hernösand...	29.44	53	SE	4	r		29.15	-15	51	50	+3	SE	4	r	*	r	*	54	43	0.51	
	Stockholm...	29.24	52	2	0	0		29.23	-08	51	49	-2	SSW	2	b	*	0	*	59	50	0.08	
	Wisby...	29.30	52	S	4	b		29.25	-13	49	48	-5	S	4	bc	*	b	*	59	50	0.12	
	Karlstad...	29.16	52	SSW	2	c		29.15	+01	50	48	-1	SW	2	or	*	c, r	*	*	*	0.24	
	Bodo...	29.19	54	E	4	bc		29.07	-24	55	50	+8	E	4	bc	1	bc	*	55	41	-	
	Christiansund...	29.12	49	2	0	r		29.04	-05	47	45	-3	SW	2	r	3	r	*	50	43	1.85	
	Skudesnaes...	29.17	49	2	0	bc		29.24	+10	48	46	-2	HW	2	b	3	bc	*	58	46	*	
	Færder (X'iania Fjord)	29.08	55	SW	5	bc		29.13	+08	49	47	-5	HW	1	b	4	bc	*	57	48	-	
	The Scaw (Skagen)	29.15	51	WSW	3	e		29.17	00	51	48	-3	WNW	2	b	0	bc	*	57	51	0.04	
Fanø...	29.25	50	W	4	c		29.36	+05	52	49	-3	WNW	4	c	*	clph, bc	*	55	46	0.63		
BRITISH ISLANDS.	Sumburgh Head...	29.23	48	N	1	c		29.20	+23	43	42	-4	2	0	b	3	bc, c	*	54	40	0.06	
	Stornoway...	29.44	51	WNW	4	0		29.25	+04	51	50	0	WNW	3	p	3	c, 0	8.2	55	45	0.30	
	Wick...	29.35	47	HW	3	0		29.21	+25	48	48	-3	2	0	r	1	0	*	55	42	0.45	
	Nairn...	29.41	52	W	2	e		29.26	+10	50	49	+3	W	2	0	1	c	*	56	45	0.08	
	Aberdeen...	29.37	49	WNW	6	bcq		29.29	+13	48	46	-4	SW	2	ogt	3	bc, q, p	10.2	56	46	0.06	
	Leith...	29.47	52	2	0	bc		29.34	+02	54	51	+2	WSW	3	c	*	bc	*	60	49	-	
	Shields...	29.47	52	WNW	4	cp		29.47	+07	51	51	+3	W	3	0	2	bc, cp, r	*	60	46	0.04	
	Spurn Head...	29.45	55	W	7	c		29.57	+07	53	52	-1	W	6	og	4	c	*	58	48	0.19	
	Loughborough...	29.69	56	WNW	5	0		29.70	+05	54	49	0	WSW	4	0	*	cp, p, og	*	61	50	0.10	
	Malin Head...	29.60	54	HW	8	0		29.46	-03	54	53	+1	WNW	8	ogt	7	og	*	55	52	0.33	
FRANCE & NETHERLANDS.	Belmullet...	29.84	55	WNW	6	op		29.71	-08	58	57	+1	WNW	6	0	*	o, op	*	58	52	0.04	
	Donaghadee...	29.65	53	WNW	5	c		29.55	-02	53	53	+1	WNW	4	og	4	cp	*	58	50	0.04	
	Liverpool (Bidston)	29.65	57	WSW	7	c		29.63	+05	55	53	0	WSW	6	0	6	cp	*	59	51	0.06	
	Holyhead...	29.74	57	W	7	cp, p		29.70	+02	55	52	-1	WSW	6	om	4	cp, p	*	60	50	0.02	
	Parsonstown...	29.86	55	W	3	0		29.75	-11	56	52	+1	W	1	0	*	c, 0	5.1	61	52	-	
	Valencia...	29.98	59	WNW	6	cp		29.86	-11	58	57	-1	WSW	6	ogm	6	og, c	2.2	61	56	-	
	Roche's Point...	29.93	60	HW	6	c		29.76	-18	58	54	+1	WNW	4	bc	3	cp	*	61	53	-	
	Pembroke (St. Ann's Hd.)	29.83	59	HW	6	bc		29.82	+01	56	54	0	WNW	6	og	5	bc	3.7	59	53	0.02	
	Scilly...	29.97	62	WNW	6	c		29.94	-03	62	57	0	W	5	c	4	c	4.7	66	56	-	
	Jersey (St. Aubin's)	29.95	62	WNW	7	om		30.03	+08	61	59	-1	W	5	ogm	4	c, om	*	66	59	-	
GERMANY.	Portland Bill...	29.85	60	WNW	7	og		29.86	+02	59	59	-1	HW	6	0	5	og	*	62	56	-	
	Dungeness...	29.73	61	W	4	b		29.79	+02	59	54	+1	W	5	c	4	bc, b	*	64	56	-	
	London (Brixton)	29.74	59	HW	3	bc		29.78	+07	54	49	-2	WSW	4	0	*	q, p, bc, 0	5.2	64	53	0.12	
	Oxford...	29.77	57	W	3	c		29.77	+04	55	50	-2	SW	3	0	*	p, cp	*	63	53	0.01	
	Yarmouth...	29.58	57	WNW	6	cp		29.63	-02	54	52	-1	W	5	ogt	4	cp	*	60	50	0.06	
	Cuxhaven...	29.40	53	SW	6	0		29.46	-00	53	49	-1	W	6	0	*	0	*	55	48	1.50	
	Berlin...	29.61	53	WSW	4	0		29.62	+01	53	50	-2	SW	5	c	*	0	*	64	50	0.12	
	Wiesbaden...	*	*	*	*	*		29.83	+07	55	53	-2	SW	2	0	*	*	*	66	50	-	
	Munich...	29.91	55	SW	6	b		29.97	+01	57	52	+7	W	6	0	*	b	*	63	50	-	
	SPAIN.	The Helder...	29.51	59	W	7	c		29.58	+04	58	53	-1	W	6	0	7	c	*	61	54	0.12
Brussels...		*	*	*	*	*		29.80	+04	55	52	-2	WSW	4	0	*	0	*	63	51	0.39	
C. Gris Nez...		29.78	60	WNW	6	c		29.79	+02	58	55	0	HW	6	0	6	c	*	64	48	-	
Paris...		29.89	65	W	2	0		29.96	+03	54	53	-5	SW	2	bc	*	0	*	70	53	-	
Brest...		30.05	63	HW	2	0		30.04	-04	60	59	-1	WNW	2	c	3	0	*	68	55	-	
Lorient...		30.05	63	HW	5	0		30.04	-02	60	57	-1	HW	4	bc	5	0	*	70	59	-	
Rochefort...		30.04	66	HW	4	bc		30.12	+08	63	61	-3	S	2	0	*	bc	*	72	59	-	
Belfort...		29.89	59	WSW	5	c		29.98	+01	54	50	+1	W	4	0	*	c	*	65	53	-	
Lyons...		*	62	SW	1	b		30.07	+01	54	52	0	E	1	f	*	b	*	72	51	-	
Nice...		29.77	66	2	0	b		29.88	+06	64	54	+1	E	1	bc	1	b	*	79	55	-	
PEN.	Perpignan...	29.99	72	HW	3	bc		30.05	+03	64	57	-4	WSW	1	b	*	bc	*	81	61	-	
	Biarritz...	30.04	65	HW	3	f		30.04	-07	63	61	-5	SSE	2	bc	4	f	*	70	61	0.04	
AZORES.	Corunna...	*	*	*	*	*		*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon...	*	*	*	*	*		*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Azores (P. Delgada)	30.36	67	HW	3	0		30.39	+03	68	65	-1	HW	4	0	3	0	*	75	64	0.04	

For Explanation of Columns, see bottom of last page.

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

NOTE: The Sunshine for London given in this Table is recorded on the Tower by the Wesleyan Training College, Westminster

Bright Sunshine yesterday Southport 4.6 hrs.



# WEATHER CHARTS

FOR Tuesday, 19<sup>th</sup> September, 1899.

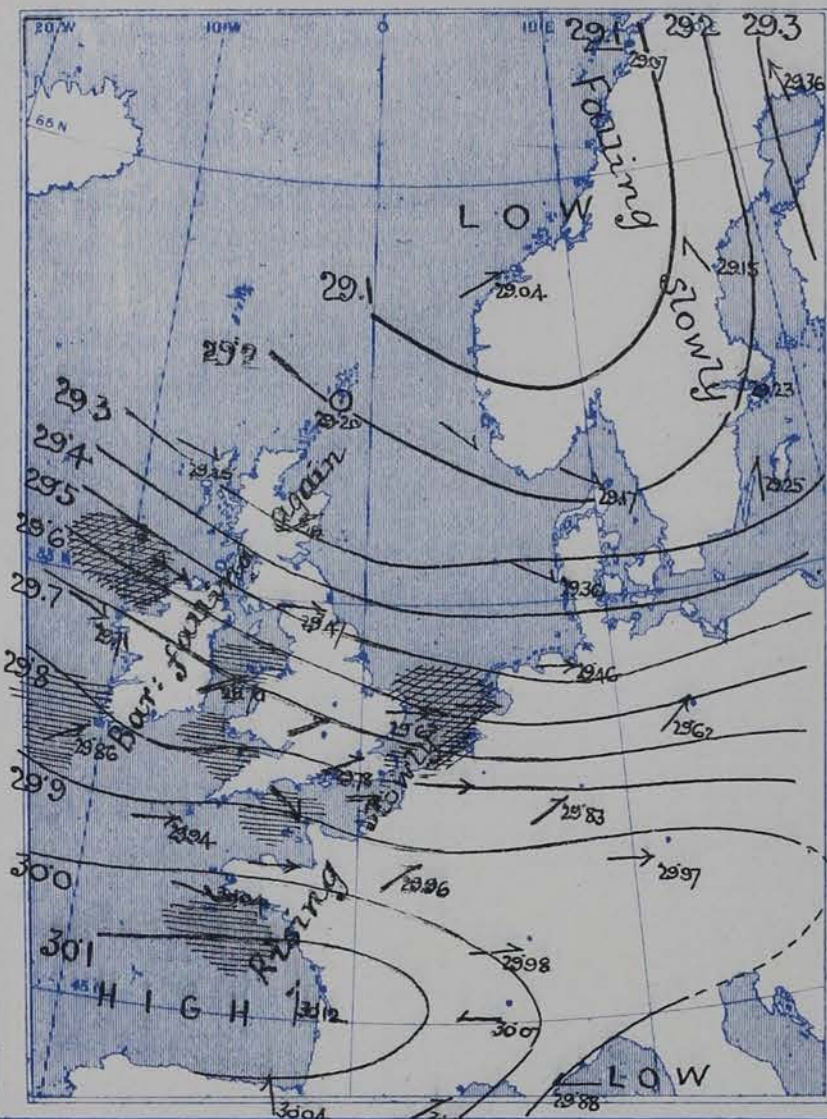
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ○  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough → : High →

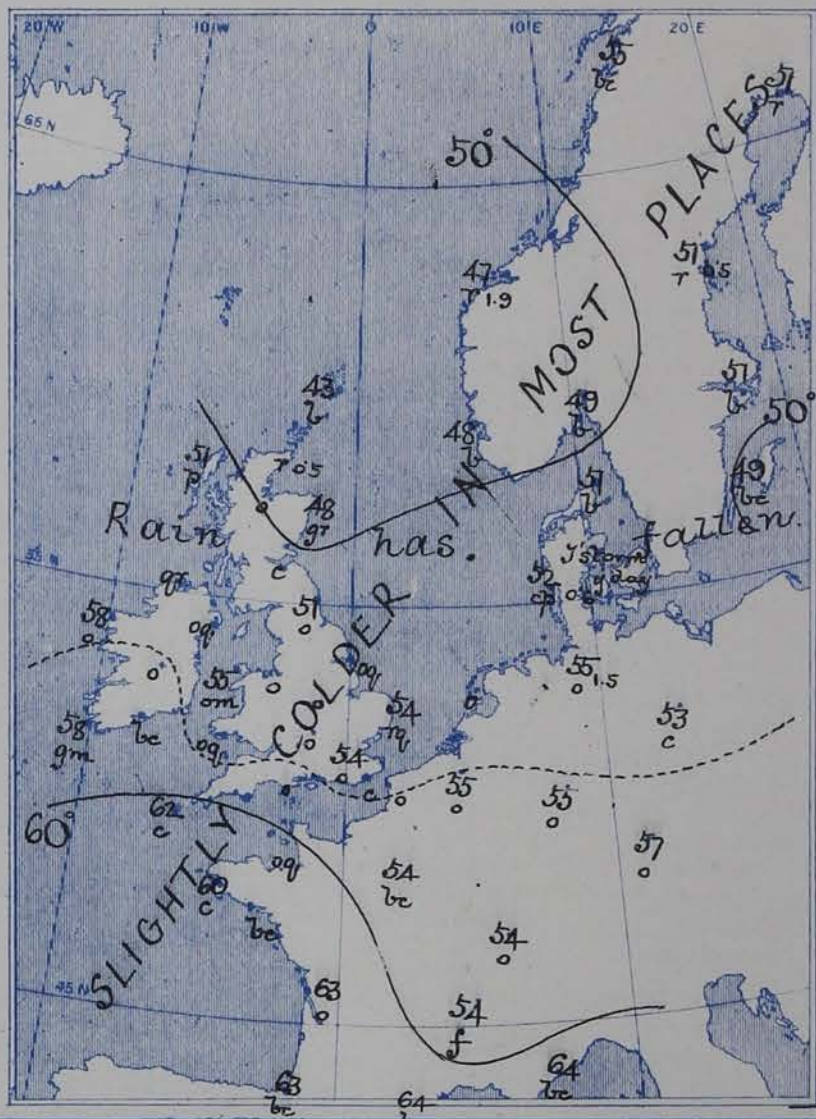


## TEMPERATURE AND WEATHER.

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.								RAINFALL Means, 1866-95.	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Years.	Minimum.	Years.			
	(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	76*	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	51.2	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	<p><i>Highest</i> 30.1 ins. and more to 30.0 ins. over the Bay of Biscay and W. of France.</p> <p><i>Lowest</i> 29.0 ins. to 29.1 ins. over Norway, and 29.3 ins. or less over the N. of Scotland.</p> <p>Gradients still rather steep over our Islands and the NW of Germany, slight in Norway.</p> <p>Barometer, after rising fast in the N. has again begun to fall briskly both in Scotland and Ireland.</p>
TEMPERATURE	<p><i>Highest</i> 64° in the S. of France and between 63° and 60° in the W.<sup>m</sup> parts of that country and at Sally.</p> <p><i>Lowest</i> 43° at Sumburgh H., 47° at Christiansund, 48° at Skudeconæs, Wick &amp; Aberdeen.</p> <p>The maxima recorded yesterday were below 65° in all but the S.<sup>m</sup> countries and in Germany. Those in France touched 70° at Paris and Lorient, and 79° at Nice.</p>
WIND	<p>Chiefly W.<sup>ly</sup> over our Islands and still blew very strongly on our northwestern, western and southern coasts. In Scotland and Norway the wind has fallen light; but at Bodø a moderate gale from E. was reported. In Germany the wind was SW.<sup>ly</sup>.</p>
WEATHER	<p>Cloudy generally, with rain in a few places, and was not at all settled anywhere.</p> <p>Rain fell yesterday over all the N.<sup>m</sup> half of the Kingdom, and in still larger quantities over Scandinavia and Germany (1.5 in. at Cuxhaven).</p> <p>Bright Sunshine amounted to 10 hrs. at Aberdeen, but was slighter over Ireland and England except on parts of our SE. coasts.</p>
SEA	<p>Rough on all exposed parts of our coasts.</p>
PROBABLE CHANGES IN SYSTEM NOW PREVALENT	


*Though somewhat finer today than it was yesterday the general condition is not at all settled.*

## FORECASTS

For the 24 hours ending at NOON on 20<sup>TH</sup> SEPTEMBER 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH		6 { SCOTLAND WEST	
1 { SCOTLAND EAST		7 { ENGLAND N.W.	
2 { ENGLAND N.E.	W. (SW. to NW.) winds, very changeable, unsettled weather, occasional rain.	8 { ENGLAND S.W.	W. (SW. to NW.) winds, very changeable, unsettled weather, occasional rain.
3 { ENGLAND EAST		9 { IRELAND NORTH	
4 { MIDLAND COUNTIES		10 { IRELAND SOUTH	
5 { ENGLAND SOUTH			
		WARNINGS	None issued at present.

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.		WEA.		SEA.			BAR.	THER.		WIND.		WEA.		SEA.	
		Dry.	Wet.	Dir.	Force.							Dry.	Wet.	Dir.	Force.				
Skudesnaes ...	29.12	58	51	SW	2	bc		3		Valencia ...	29.99	60	55	WNW	6	cqf		6	
Sumburgh Head	29.12	51	47	NE	1	bc		3		Scilly ...	29.96	64	60	WNW	6	c		4	
Stornoway...	29.36	55	49	WNW	5	o		5		Jersey ...	29.95	66	58	WNW	6	c		4	
Aberdeen ...	29.25	53	48	W	9	bcqf		5		Portland Bill ...	29.73	60	59	NW	8	oqf		6	
Shields ...	29.40	59	54	WNW	5	bc		2		Dungeness ...	29.70	66	60	W	6	bc		5	
Malin Head ...	29.56	54	50	NW	9	oqf		7		London	29.71	63	55	NW	4	cqf		*	
Belmullet ...	29.84	56	56	WNW	6	o		*		(Westminster)									
Holyhead ...	29.72	58	52	W	8	cqf		6		Yarmouth ...	29.57	59	53	WNW	6	cqf		4	
										Rocheport ...	30.04	70	64	NW	4	bc		*	

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

*Continental information not received.*

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

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

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

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

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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 Wednesday, 20<sup>th</sup> September, 1899.

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.		Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.			Rainfall.
		At 02° and M.S.L.	Dry Bulb	Direc.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.		Dry Bulb	Wet Bulb	Change since Yester- day.	Direc.	Force (0 to 12.)	Max.	Min.							
		Ins.	°					Ins.	Ins.	°	°										Ins.	
SCANDINAVIA.	Haparanda...	29.30	50	SSW	2	c	29.22	-14	48	48	-3	S	2	r	*	c	*	52	48	0.59		
	Hernösand...	29.16	50	Z	0	o	29.20	+05	43	43	-8	SW	2	f	*	o	*	54	45	0.24		
	Stockholm...	29.26	47	S	2	b	29.30	+07	51	49	0	S	2	b	*	b	*	57	46	0.08		
	Wisby...	29.35	53	S	6	b	29.32	+07	53	50	+4	S	4	c	*	b	*	55	45	0.04		
	Karlstad...	29.21	49	Z	0	c	29.20	+05	51	49	+1	S	2	or	*	c	*	*	*	0.16		
	Bodö...	29.06	51	ESE	2	bc	29.06	-01	47	45	-8	ESE	2	r	1	bc	*	55	46	0.08		
	Christiansund...	29.07	48	SW	3	r	29.07	+03	51	45	+4	SW	1	c	3	r	*	51	43	0.75		
	Skudesnaes...	29.19	51	S	2	bc	29.07	-17	51	48	+3	W	2	c	3	b, bc	*	54	48	*		
	Færder (X'ania Fjord)	29.18	55	WNW	1	b	29.13	00	52	51	+3	SSW	1	r	3	bc	*	57	49	-		
	The Scaw (Skagen)	29.26	52	W	3	c	29.12	-05	52	50	+1	SW	2	o	0	c	*	57	50	-		
BRITISH ISLANDS.	Fanö...	29.31	54	W	4	c	29.17	-19	52	50	0	W	4	c	*	c, tp	*	59	52	0.43		
	Sumburgh Head...	29.11	48	Z	0	c	29.14	-06	48	45	+5	H	2	bc	3	c	*	54	41	-		
	Stornoway...	29.21	50	HW	4	c	29.28	+03	50	48	-1	HW	5	o	5	o, c	3.0	55	45	0.55		
	Wick...	29.14	47	Z	0	r	29.19	-02	51	49	+3	Z	0	o	1	r	*	56	42	0.45		
	Nairn...	29.21	50	W	1	o	29.22	-04	48	48	-2	W	2	r	2	o	*	56	44	0.22		
	Aberdeen...	29.19	51	W	2	c	29.21	-08	51	47	+3	W	4	bc, q	2	c, q, p, c	1.9	60	43	0.04		
	Leith...	29.28	54	W	3	r	29.28	-06	51	47	-3	W	3	bc	*	r	*	57	45	0.03		
	Shields...	29.33	54	SW	4	c	29.29	-18	48	47	-3	W	4	bc	2	c, r, c	*	60	45	0.03		
	Spurn Head...	29.46	58	WSW	4	o	29.30	-27	52	50	-1	W	7	b, q	4	o	*	59	45	0.17		
	Loughborough...	29.55	54	SW	3	r	29.56	-14	50	46	-4	WNW	6	bc, q	*	c, q, or, b	*	64	47	0.48		
FRANCE & NETHERLANDS.	Malin Head...	29.37	50	HW	7	og	29.47	+01	51	46	-3	HW	8	bc, q	7	og	*	59	44	0.25		
	Belmullet...	29.54	58	WNW	6	op	29.79	+08	51	49	-7	HW	6	b	*	op	*	59	47	0.12		
	Donaghadee...	29.43	56	WNW	4	bc, p	29.52	-03	49	45	-4	WNW	6	bc	5	bc, q, p	*	59	45	0.03		
	Liverpool (Bida-ton)	29.74	55	WSW	6	o	29.53	-10	50	48	-5	W	8	c	7	og, p	*	60	47	0.06		
	Holyhead...	29.53	55	W	4	cp	29.62	-08	52	47	-3	WNW	8	bc, q	6	cp	*	59	47	0.09		
	Parsonstown...	29.63	54	W	1	o	29.79	+04	49	46	-7	HW	1	b	*	c, q, p	1.4	61	44	0.12		
	Valencia...	29.78	58	W	5	cp	29.93	+07	53	50	-5	HW	6	op	5	og, m, cp	1.0	62	52	0.20		
	Roche's Point...	29.72	56	W	5	p	29.88	+12	55	52	-3	HW	4	b	4	p	*	61	50	0.03		
	Pembroke (St. Ann's Hd.)	29.66	56	HW	6	r	29.78	-04	55	54	-1	HW	7	bc, q	5	r	1.9	61	50	0.28		
	Scilly...	29.82	62	W	6	m	29.89	-05	58	54	-4	HW	5	c	3	cm	2.8	66	54	0.07		
GERMANY.	Jersey (St. Aubin's)	29.88	63	WSW	6	cq	29.82	-21	59	52	-2	W	5	cq	5	c, p	*	66	58	0.26		
	Portland Bill...	29.74	60	W	8	og	29.73	-13	56	53	-3	WNW	8	bc	6	c, og	*	63	53	-		
	Dungeness...	29.68	62	WSW	6	c	29.64	-15	58	54	-1	W	6	b	5	c	*	64	52	0.07		
	London (Brixton)	29.64	61	WSW	3	c	29.66	-12	53	48	-1	WNW	5	bc	*	c, op, b	0.3	63	49	0.10		
	Oxford...	29.59	56	WSW	3	r	29.65	-12	52	47	-3	WNW	4	og	*	og, r	*	62	47	0.24		
	Yarmouth...	29.59	59	WSW	5	cq	29.48	-15	52	48	-2	W	6	bc, q	4	c, q, c, q	*	60	46	0.30		
	Cuxhaven...	29.47	54	WSW	6	r	29.28	-18	53	51	0	SW	6	o	*	r	*	55	50	1.22		
	Berlin...	29.66	53	SW	4	r	29.51	-11	54	52	+1	SW	4	o	*	r	*	57	50	0.20		
	Wiesbaden...	*	*	*	*	*	29.65	-12	56	54	+1	SW	6	r	*	*	*	61	54	0.04		
	Munich...	29.99	54	SW	4	bc	29.91	-06	55	51	-2	SW	5	c	*	bc	*	61	50	-		
SPAN. PEN.	The Helder...	29.71	61	WNW	7	o	29.38	-20	57	51	-1	WNW	5	c	7	o	*	61	54	0.35		
	Brussels...	*	*	*	*	*	29.59	-21	55	53	0	WSW	5	bc	*	o	*	60	52	0.35		
	C. Gris Nez...	29.71	61	WNW	7	o	29.65	-14	56	54	-2	HW	7	c	7	o	*	63	54	0.28		
	Paris...	29.89	63	SW	3	o	29.75	-21	56	56	+2	SW	4	r	*	o	*	68	54	0.04		
	Brest...	29.94	63	W	3	bc	29.91	-13	59	55	-1	HW	2	bc	3	bc	*	64	54	0.08		
	Lorient...	29.98	62	WNW	6	c	29.91	-13	59	57	-1	HW	3	o	5	c	*	68	59	0.04		
	Rochefort...	30.04	65	HW	4	bc	29.92	-20	66	63	+3	W	5	o	*	bc	*	75	61	-		
	Belfort...	29.93	57	SW	4	o	29.87	-11	54	51	0	WSW	7	o	*	o	*	64	51	-		
	Lyons...	30.04	61	HW	1	b	30.01	-06	55	52	+1	SSW	7	c	*	b	*	70	?	-		
	Nice...	29.89	65	SSW	6	b	29.97	+09	63	54	-1	HW	4	b	4	b	*	68	49	-		
AZORES.	Perpignan...	30.00	69	HW	2	b	30.03	-02	61	56	-3	SW	1	o	*	b	*	77	55	-		
	Biarritz...	30.01	69	HE	3	bc	30.02	-02	60	58	-3	Z	0	o	5	bc	*	72	59	-		
Azores (P. Delgada)		30.41	67	NNE	3	c	30.39	00	66	62	-2	NE	4	c	3	c	*	75	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 recorded on the Tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport 0.3 hrs.



# WEATHER CHARTS

FOR *Wednesday, 20<sup>th</sup> September, 1899.*

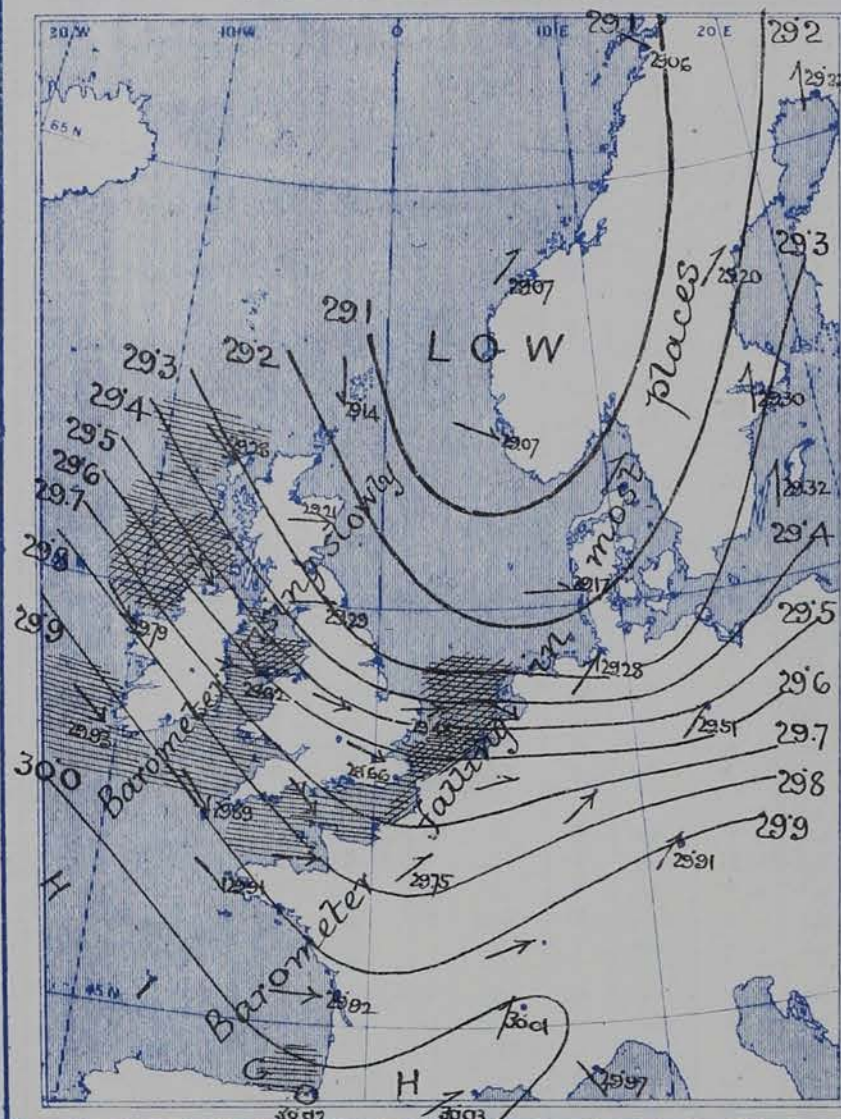
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ☉  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High



## TEMPERATURE AND 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. <i>(Inches)</i>	TEMPERATURE OF AIR. 1871-95.								RAINFALL Means, 1866-95. <i>(Inches.)</i>	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of Daily				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m. <i>°</i>	Wet Bulb 8 a.m. <i>°</i>	Daily Maximum <i>°</i>	Daily Minimum <i>°</i>	Maximum <i>°</i>	Years.	Minimum <i>°</i>	Years.			
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	76*	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	—	—
Farsonstown	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	1896	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	<p>Highest 30.0 ins and more over the Spanish Peninsula, and 29.9 ins. and more over the Bay of Biscay and the S.W. of Ireland.</p> <p>Lowest 29.1 ins and less over Norway, and below 29.2 ins. over Denmark, the Shetlands and extreme N.E. of Scotland.</p> <p>Gradients steep for N.W. winds over the United Kingdom and for W. winds over the Netherlands.</p> <p>Barometer rising at most of our own stations, falling over the North Sea and Germany.</p>
TEMPERATURE	<p>Highest 66° to 60° in the S.W. and S. of France, 58° at Scilly, 53° at Valencia.</p> <p>Lowest 47° at Rode, 48° at Christiansund, 49° at Sumburgh H. and Shields, 51° at Wick, Aberdeen and Karlsbad.</p> <p>In our Islands the maximum readings, exceeding 65° at our extreme S.W. stations only, at Berlin the maximum was 57°, at Paris 68°, at Perpignan 77°.</p>
WIND	<p>Still W. and N.W., strong and squally, over the United Kingdom, W. in the north of France, S.W. in N. Germany; In Scandinavia it was chiefly S. and light.</p>
WEATHER	<p>Squally, and in most places passing showers are experienced.</p> <p>The rainfall measured this morning was moderate in most regions, but amounted to 0.8 in. at Christiansund, and 1.2 ins. at Coochaven.</p> <p>Bright Sunshine yesterday was very slight; the maximum amount registered was 3 hrs. at Stornoway and Rhyl.</p>
SEA	<p>Rough in all exposed places.</p>


### PROBABLE CHANGES IN SYSTEM NOW PREVALENT


The strong squally winds, and showers, will probably continue all day—the showers being separated by bright intervals.

## FORECASTS

For the 24 hours ending at NOON on 21<sup>ST</sup> SEPTEMBER 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	<p>N.W. winds, strong, but moderating, cool, with passing showers in most places.</p>	6 { SCOTLAND WEST	<p>N.W. winds, strong, but moderating, cool, with passing showers in most places.</p>
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.		WIND.		WEA.	SEA.		BAR.	THER.		WIND.		WEA.	SEA.
		Dry.	Wet.	Dir.	Force.					Dry.	Wet.	Dir.	Force.		
Skudesnaes ...	29.25	54	49	WSW	1	6	3	Valencia ...	29.79	59	56	W	5	o g m	6
Sumburgh Head	29.13	52	48	S	1	C	3	Scilly ...	29.89	64	61	WSW	5	C	H
Stornoway...	29.21	54	50	HW	4	0	4	Jersey ...	29.94	64	56	WSW	5	C	H
Aberdeen ...	29.22	56	51	W	4	C	3	Portland Bill ...	29.80	61	58	HW	6	C	5
Shields ...	29.40	59	55	WSW	4	C	2	Dungeness ...	29.74	63	58	WSW	5	C	H
Malin Head ...	29.40	55	51	WNW	7	0	6	London		63	57	WNW	3	C	*
Belmullet ...	29.57	57	56	WNW	5	0	*	(Westminster)	29.71						
Holyhead ...	29.59	58	54	WSW	4	0	3	Yarmouth ...	29.59	59	53	W	5	C	H
								Rocheport ...	30.04	72	68	WNW	4	6C	

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

*Continental information not received.*

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

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

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

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

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# DAILY WEATHER REPORT

for 8 a.m. on Thursday, 21<sup>st</sup> September, 1899.

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.)		Hours of Bright Sun- shine.	TEMP.		Rainfall.
	At 82° and M.S.L.	Dry Bulb	Dir.	Force (0 to 12.)			At 82° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb	Wet Bulb	Change since Yester- day.	Dir.	Force (0 to 12.)					Max	Min.	
	Ins.	°					Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda...	29.34	48	S	2	bc	29.27	+0.05	46	45	-2	NE	2	r	*	bc	*	52	46	0.16
	Hernösand...	29.25	45	Z	0	b	29.14	-0.06	45	44	+2	NW	6	r	*	b	*	54	43	0.12
	Stockholm...	29.10	51	E	2	r	29.12	-0.18	51	50	0	SSW	2	0	*	r	*	57	43	0.35
	Wisby...	29.21	53	SSW	4	bc	29.28	-0.04	52	49	-1	WSW	8	bc	*	bc	*	54	45	0.35
	Karlstad...	29.09	49	NE	2	0	29.19	-0.01	46	45	-5	W	4	0	*	0	*	*	*	0.55
	Bodo...	29.13	49	Z	0	c	29.11	+0.05	48	45	+1	ESE	1	c	0	c	*	50	45	0.24
	Christiansund...	29.15	51	H	1	c	29.25	+0.18	50	47	-1	W	2	r	3	c	*	52	43	0.16
	Skudesnaes...	29.20	50	NW	2	c	29.39	+0.32	49	46	-2	NW	2	c	3	bc	*	56	46	*
	Færder (X'ania Fjord)	29.10	52	NE	4	r	29.26	+0.13	48	45	-4	NW	2	bc	2	r	*	54	48	1.02
	The Scaw (Skagen)	29.12	51	NW	3	0	29.32	+0.20	51	49	-1	NW	2	c	0	0	*	55	48	0.28
BRITISH ISLANDS.	Faro...	29.30	52	W	6	c	29.45	+0.28	53	50	+1	NW	6	c	*	c	*	57	52	0.16
	Sumburgh Head...	29.29	49	NW	3	c	29.46	+0.32	47	44	-1	NW	1	c	2	bc.c	*	53	44	0.04
	Stornoway...	29.49	49	NW	3	0	29.63	+0.85	47	45	-3	NW	3	bc	3	c.0	4.6	56	42	0.32
	Wick...	29.26	48	NW	2	0	29.56	+0.37	48	47	-3	NW	3	0	3	r.0	*	54	41	0.43
	Nairn...	29.47	50	NW	1	c	29.62	+0.40	49	44	+1	W	3	c	2	c	*	56	43	0.06
	Aberdeen...	29.43	47	NW	3	bc	29.63	+0.42	51	45	0	W	4	bc	3	cq.p.bc	6.3	55	43	0.01
	Leith...	29.45	55	NW	2	bc	29.70	+0.42	50	45	-1	WSW	3	bm	*	bc	*	61	44	-
	Shields...	29.49	51	W	3	c	29.70	+0.41	46	44	-2	W	3	bc	2	c	*	59	43	-
	Spurn Head...	29.52	54	W	7	b	29.75	+0.45	54	49	+2	W	6	cq	3	b	*	56	48	-
	Loughborough...	29.70	50	W	3	b	29.88	+0.32	49	45	-1	W	4	bc	*	bc.q.p.b	*	58	44	0.06
FRANCE & NETHERLANDS.	Malin Head...	29.64	53	NW	8	bc	29.76	+0.29	53	53	+2	W	3	og	3	bcq	*	53	48	0.06
	Belmullet...	29.86	54	NW	5	b	29.87	+0.08	54	53	+3	NW	3	0	*	bc.b	*	56	48	0.02
	Donaghadee...	29.66	52	NW	5	bcq.p	29.81	+0.29	47	45	-2	WSW	2	c	3	bcq.p	*	55	41	0.05
	Liverpool (Bidston)	29.68	52	WSW	7	0	29.85	+0.32	53	48	+3	W	5	bc	5	op	*	55	47	0.10
	Holyhead...	29.76	53	WNW	7	bcq	29.88	+0.26	53	48	+1	W	4	bc	3	bcq.p	*	56	47	-
	Parsonstown...	29.87	51	W	1	bc	29.91	+0.12	43	43	-6	SSE	1	0	*	bc.p	7.4	57	37	0.04
	Valencia...	29.95	57	W	2	og	29.91	-0.02	53	51	0	Z	0	og	3	og	1.8	58	47	0.02
	Roche's Point...	29.92	57	NW	5	c	29.94	+0.06	51	50	-4	NW	1	og	3	c.r.g	*	58	48	0.04
	Pembroke (St. Ann's Hd.)	29.85	57	NW	5	c	29.94	+0.16	54	51	-1	E	2	bc	3	c	6.7	57	49	-
	Scilly...	29.96	59	NW	6	c	29.90	+0.01	55	55	-3	ENE	3	m	3	c	7.1	63	54	0.16
GERMANY.	Jersey (St. Aubin's)	29.95	59	W	5	bc.p	29.99	+0.17	57	54	-2	W	3	og	3	bc.p	*	64	56	0.02
	Portland Bill...	29.86	58	NW	7	c	29.96	+0.23	55	52	-1	H	1	c	3	c	*	63	53	-
	Dungeness...	29.75	58	W	5	b	29.92	+0.28	53	49	-5	WNW	3	b	3	bc.b	*	65	43	-
	London (Brixton)	29.75	55	WNW	3	b	29.95	+0.29	49	45	-4	NW	3	b	*	bc.b	9.0	61	40	-
	Oxford...	29.82	50	WSW	3	b	29.93	+0.28	48	45	-4	WSW	1	0	*	b	*	58	42	-
	Yarmouth...	29.59	53	W	5	bc	29.81	+0.33	50	47	-2	W	5	bc	4	cq.p.bc	*	55	42	0.02
	Cuxhaven...	29.39	51	WSW	5	r	29.57	+0.29	50	49	-3	WSW	6	r	*	r	*	57	46	1.14
	Berlin...	29.55	51	W	6	b	29.70	+0.19	51	48	-3	W	6	bc	*	b	*	59	46	0.04
	Wiesbaden...	*	*	*	*	*	29.95	+0.80	50	47	-6	WSW	3	b	*	*	*	61	46	0.12
	Munich...	29.90	53	W	7	r	30.07	+0.16	50	48	-5	SW	4	0	*	r	*	64	46	0.24
SPAN. PEN.	The Helder...	29.52	54	WNW	6	t	29.72	+0.34	54	50	-3	WNW	5	0	6	o.t	*	57	48	0.83
	Brussels...	*	*	*	*	*	29.93	+0.34	50	46	-5	SW	5	b	*	b	*	61	43	0.08
	C. Gris Nez...	29.78	58	W	7	c	29.91	+0.26	51	48	-5	WNW	5	b	5	c	*	61	46	-
	Paris...	29.91	59	WNW	4	r	30.02	+0.27	52	48	-4	SSW	2	b	*	r	*	65	48	0.08
	Brest...	30.04	59	NW	2	c	30.02	+0.11	60	59	+1	SW	4	0	4	c	*	63	54	-
	Lorient...	30.04	60	NW	5	0	30.06	+0.15	60	57	+1	W	3	c	3	0	*	68	57	-
	Rochefort...	29.98	63	WNW	4	bc	30.10	+0.18	63	54	-3	NNE	2	bc	*	o.bc	*	70	52	0.20
	Belfort...	29.91	50	WSW	3	r	30.04	+0.17	50	49	-4	W	3	f	*	r	*	58	49	0.04
	Lyons...	29.98	60	ENE	1	r	30.11	+0.10	53	52	-2	WNW	1	bc	*	r	*	74	51	0.08
	Nice...	29.84	69	SW	1	b	29.86	-0.11	65	53	+2	E	1	c	3	b	*	77	57	-
AZORES.	Perpignan...	30.01	70	NW	3	0	30.09	+0.06	65	59	+4	NW	2	0	*	0	*	79	59	-
	Biarritz...	30.02	68	W	4	b	30.05	+0.03	60	59	0	E	3	0	3	b	*	70	59	-
	Corunna...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
AZORES.	Lisbon...	29.98	70	WNW	4	b	30.01	+0.02	69	62	+3	NNE	3	b	*	b	*	79	64	-
	Azores (P. Delgada)	30.36	68	NNE	5	c	30.34	-0.05	66	62	0	NE	2	b	3	c	*	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 recorded on the Tower of the Wesleyan Training College, Westminster

Bright Sunshine yesterday Southport 6.1 hrs.



# WEATHER CHARTS

FOR Thursday, 21<sup>st</sup> September, 1899.

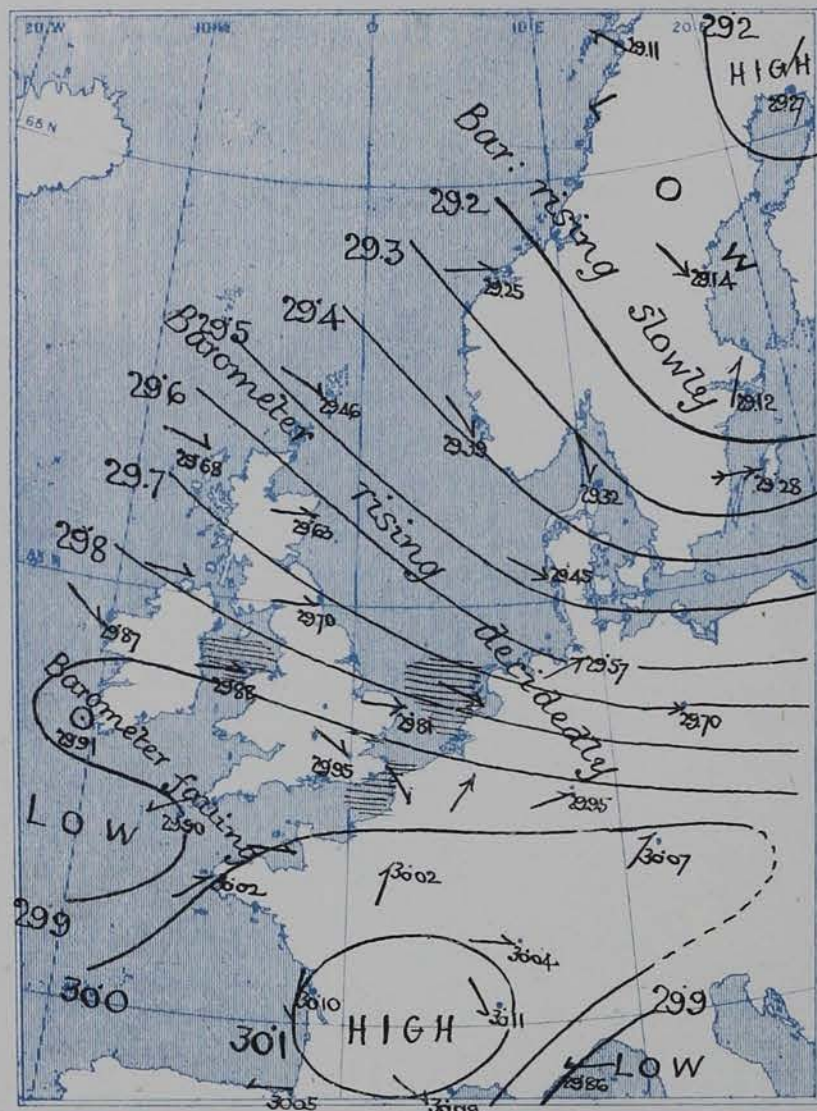
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ☉  
Force 8 to 10 → : Force 1 to 4 → :

SEA—Rough : High

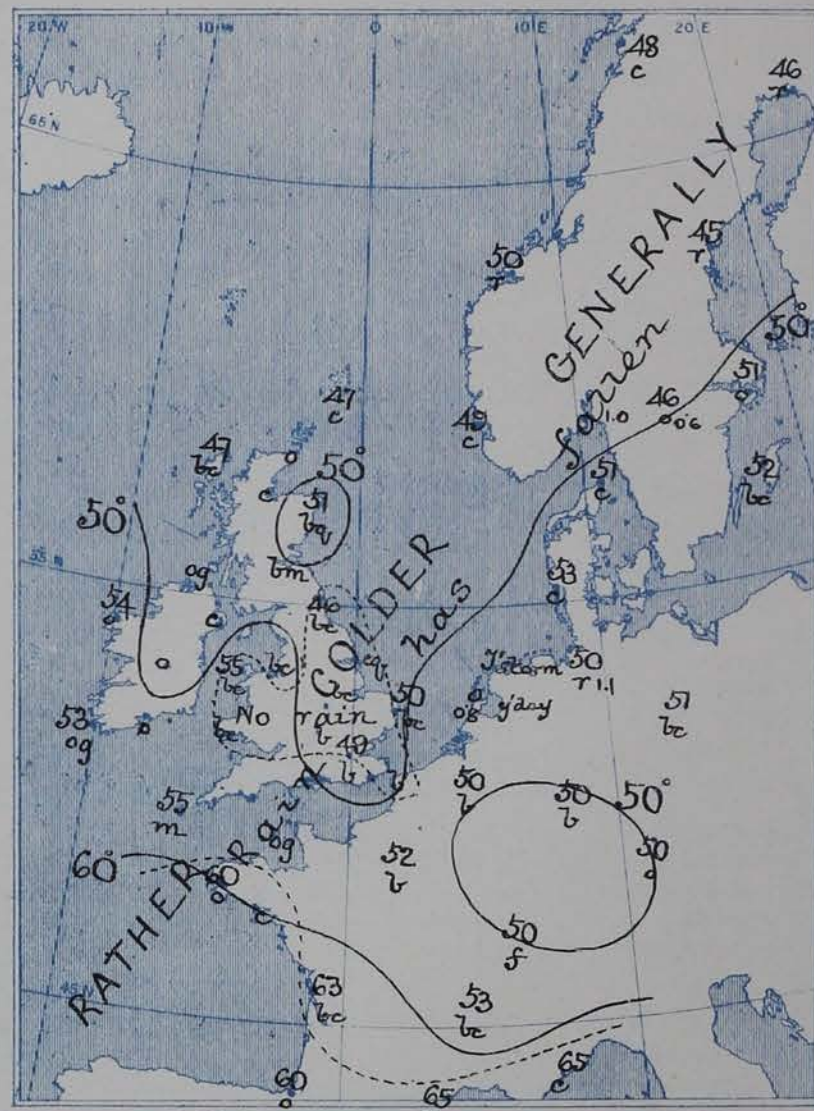


## TEMPERATURE AND WEATHER.

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.						RAINFALL		BRIGHT SUNSHINE.	
		Means of				Absolute Extremes.		Means, 1866-95.	Hours.	Means, 1881-95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum	Daily Minimum	Maximum.	Minimum.			Per cent. of possible.	
Sumburgh Head	29.793	50.8	49.1	55.0	46.1	68	34	1880, 88	—	—	—
Stornoway	29.814	51.5	50.2	56.5	45.8	69	32	1871, 75, 85	103.3	27	—
Wick	29.831	52.0	50.1	57.8	45.7	74	29	1884, 91	—	—	—
Nairn	29.843	51.5	49.1	59.5	46.2	77	25	1892	—	—	—
Aberdeen	29.863	52.3	49.8	59.3	46.6	79	30	1887	124.2	33	—
Leith	29.887	53.3	50.8	62.0	47.5	81	33	1873, 91	—	—	—
Shields	29.910	53.2	51.0	60.1	48.2	79	34	1885, 89, 93	—	—	—
Spurn Head	29.947	55.6	53.8	60.7	52.5	76*	38*	1892	—	—	—
York	29.948	52.9	51.0	63.2	47.5	83	30	1885	118.4	32	—
Loughborough	29.971	53.6	51.9	65.4	47.6	86*	30*	1891, 95	—	—	—
Ardrossan	29.892	53.7	51.6	59.7	49.4	78	32	1885, 94	—	—	—
Malin Head	29.869	53.5	51.1	58.4	51.1	—	—	1886	—	—	—
Belmullet	29.904	55.1	52.7	59.6	51.6	—	—	—	—	—	—
Donaghadee	29.916	53.6	52.4	60.0	49.4	71	36	1882, 94	—	—	—
Holyhead	29.941	55.8	53.6	60.8	52.5	78	43	1873, 85	—	—	—
Liverpool	29.947	54.7	52.0	61.5	50.9	82	39	1885	—	—	—
Parsonstown	29.948	52.8	50.9	61.7	47.2	79	30	1885	124.7	33	—
Valencia	29.961	56.4	54.1	61.8	51.3	78	37	1885	130.4	35	—
Roche's Point	29.963	55.6	53.4	61.7	51.0	74	30	1893	—	—	—
Pembroke	29.962	56.2	54.0	60.3	53.1	74	40	1885	146.5	39	—
Scilly	29.982	58.5	56.4	62.0	54.8	72	44	1880, 93, 95	—	—	—
Prawle Point	30.004	57.2	55.3	62.5	52.3	76*	36*	1885	—	—	—
Jersey	30.003	60.2	57.2	65.8	54.9	86	41	1891	183.4	49	—
Hurst Castle	30.002	57.3	55.7	64.6	52.3	77	35	1885	—	—	—
Dover	29.981	57.9	55.5	63.7	53.2	77	32	1885	—	—	—
LONDON	29.991	55.8	53.4	66.5	49.6	87	30	1877	111.5†	30†	—
Oxford	29.985	53.9	52.0	64.3	48.8	83	33	1885	141.0	38	—
Cambridge	29.979	54.6	52.9	66.0	47.9	88	31	1885	144.2	39	—
Yarmouth	29.959	56.4	54.4	62.3	51.2	78	33	1885	—	—	—

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

† The Sunshine values are for Westminster.



## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Highest 30.1 ins. and more to 30.0 ins. over France, and exceeding 29.9 ins. in a ridge over the S<sup>rn</sup> parts of England and Ireland.  
 Lowest 29.2 ins. and less to 29.3 ins. over Scandinavia, and below 29.9 ins. in a new disturbance (intensity unknown) approaching the Channel from the W<sup>nd</sup>.  
 Gradients moderate over the North Sea, slight and becoming irregular over the S.W. of England & N.W. of France. Barometer rising in most places, but beginning to fall again at our extreme S.W. station.

### TEMPERATURE

Highest 65° to 63° on the S. and W. coasts of France, 53° to 55° on our own southern coasts.  
 Lowest 46° to 48° in Lapland, 47° in the Shetlands and Hebrides, 43° at Parsonstown, 46° to 49° over central England.  
 It had been as low as 37° in the shade at Parsonstown, 40° in London early this morning, and on the grass there was a slight frost.

### WIND

Remained W<sup>nd</sup> in direction over most parts of our Islands and the North Sea, and was strong in Denmark and the north of Scandinavia. An E<sup>ly</sup> air was setting in at our southwestern stations, while in the west of France there was a moderate S.W. breeze.

### WEATHER

Fine very generally over the United Kingdom, but dull clouds and haze were reported on our S.W. coasts. Weather is not yet finally settled.  
 Much rain has fallen to the E<sup>rd</sup> of the North Sea and a small quantity in the N. and W. of our Islands and W. of France.  
 Bright Sunshine yesterday amounted to 10 hrs. at Worthing, 9 hrs. in London, 7 hrs. at Seilly and Parsonstown, and 4½ hrs. at Stornoway.

### SEA

Slight on our coasts.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

It is possible the weather may become disturbed again at our S.W. and S<sup>rn</sup> stations — but continue fine for the present elsewhere.

## FORECASTS

For the 24 hours ending at NOON on 22<sup>ND</sup> SEPTEMBER 1899.

### DISTRICTS.

### FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

<sup>24</sup>W. winds, falling light, fine, perhaps foggy at night.

Same as No. 5.

Same as Nos. 0 to 2.

<sup>24</sup>NW. to <sup>24</sup>NE winds, light, fine at first, uncertain later.

### DISTRICTS.

### FORECASTS.

- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH

Same as Nos. 0 to 2.



<sup>24</sup>E. and <sup>24</sup>NE winds, light, some rain.

Same as Nos. 0 to 2.

<sup>24</sup>NE winds, light, weather uncertain.

### 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.		WIND.		WEA. SEA.			BAR.	THER.		WIND.		WEA. SEA.	
		Dry.	Wet.	Dir.	Force.					Dry.	Wet.	Dir.	Force.		
Skudesnaes ...	29.12	56	49	WNW	4	c	3	Valencia ...	29.95	57	51	WNW	5	ug	5
Sumburgh Head	29.23	52	48	WNW	3	bc	3	Scilly ...	29.94	60	57	NW	5	c	3
Stornoway ...	29.41	56	52	WNW	4	c	4	Jersey ...	29.92	59	53	WNW	5	bc	5
Aberdeen ...	29.32	51	47	NW	6	cyp	3	Portland Bill ...	29.82	59	55	NW	8	bc	6
Shields ...	29.38	56	52	W	5	c	2	Dungeness ...	29.68	62	54	N	6	bc	5
Malin Head ...	29.57	52	48	NW	8	bc	7	London	29.67	60	52	NW	5	cyp	4
Belmullet ...	29.85	56	54	WNW	5	bc	*	(Westminster)							
Holyhead ...	29.69	55	50	WNW	8	cyp	6	Yarmouth ...	29.51	51	49	WNW	5	cyp	4
								Rochefort ...	29.96	64	59	N	4	0	*

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

*Weather in morning cloudy and still rather showery over the United Kingdom, squally in most places, very rough, unsettled and showery over the North Sea and Baltic, as well as the Netherlands and many parts of France; fine over the Mediterranean and Spain. Some rain later in the W. and N. of our Islands and the W. of France, considerable quantities in countries lying to the E. of the North Sea, and thunder in places. Becoming finer over the United Kingdom later, and clouds disappearing.*

*Temperature in morning 77° at Algiers and still much above 70° on the S. and W. sides of the Mediterranean, 60° and more in the S. of France and on the W. shores of Portugal and France, 55° to 58° at our S. stations, and 56° at Archangel. Lowest 43° at Helsingfors, 47° at Rode, 48° at Edinburgh H., Nairn and Shields. Rising to a little above 60° at our S. stations during the day to 65° at Paris to 77° at Nice. Night becoming cold over the British Isles.*

*Wind (1) NW. to W. in our Islands, SW. over the Netherlands, S. over the Baltic; E. at Rode, and in most places strong; (2) light and variable over southern and southeastern Europe. The NW. wind on our own coasts falling moderate or light towards night, but blowing harder to the eastward of the North Sea.*

*Barometer in morning 30.0 ins. and more over S. Europe as a whole, and exceeding 29.9 ins. off our SW. coasts. Lowest 29.1 ins. and less over Norway, and below 29.2 ins. over Sweden and the N. half of the North Sea. Rising in France and our Islands later (most in the N.); Scandinavian depression moving E.*

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

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

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

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

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„ Weekly „ „ „ £1 10 0 „



# DAILY WEATHER REPORT

for 8 a.m. on FRIDAY SEPTEMBER 22<sup>ND</sup> 1899.

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.	Force (0 to 12.)	Weather	BAROMETER.		TEMPERATURE.			WIND.	Force (0 to 12.)	Weather	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.		Rainfall.	
							At 82° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.							Dirac.	Max		Min.
		Ins.	°	Dirac.			Ins.	Ins.	°	°	°	Dirac.								Ins.	
SCANDINAVIA.	Haparanda...	29.14	49	SE	2	0	29.41	+1.4	46	45	0	SE	2	bc	+	0	52	45	0.47		
	Hernösand...	29.36	40	2	0	b	29.58	+1.4	42	41	-3	SE	2	b	+	0	48	36	0.20		
	Stockholm...	29.46	48	SE	2	C	29.61	+1.4	48	47	-3	SE	2	0	C	+	54	46	—		
	Wisby...	29.53	52	SE	6	+	29.70	+1.2	51	51	-1	SE	4	b	+	+	57	43	0.04		
	Karlstad...	29.45	50	2	0	C	29.56	+1.3	45	44	-1	SE	2	b	C. +	+	52	43	—		
	Bodo...	29.28	46	SE	5	+	29.41	+1.0	46	43	-2	SE	4	+	+	52	45	0.55			
	Christiansund...	29.42	46	SE	3	+	29.44	+1.2	46	43	-4	SE	1	bc	+	50	32	0.32			
	Skudesnaes...	29.58	48	SE	2	bc	29.44	+1.0	50	46	+1	SE	4	0	C. bc	+	54	45	—		
	Færder (X'ania Fjord)	29.42	56	SE	4	b	29.52	+1.2	51	47	+3	SE	0	bc	+	56	48	—			
	The Scaw (Skagen)	29.52	53	SE	4	b	29.56	+1.2	51	49	0	SE	3	0	b	+	57	48	—		
Fano...	29.71	52	SE	6	C	29.49	+1.0	48	48	-5	SE	6	+	C	+	59	48	0.12			
BRITISH ISLANDS.	Sumburgh Head	29.47	47	SE	1	C	29.21	-1.5	46	46	-1	SE	0	+	bc. c	+	54	42	0.33		
	Stornoway...	29.41	50	SE	4	+	29.28	-1.5	47	45	0	SE	6	bc	+	57	39	0.65			
	Wick...	29.44	50	SE	3	0	29.24	-1.2	47	44	-1	SE	3	bc	+	56	38	0.30			
	Nairn...	29.51	50	SE	1	+	29.29	-1.3	47	45	-2	SE	2	C	+	58	37	0.09			
	Aberdeen...	29.56	52	SE	3	C	29.30	-1.3	48	44	-3	SE	5	bc	bc. c. +	8.2	59	39	0.18		
	Leith...	29.63	52	SE	2	0	29.38	-1.2	48	44	-2	SE	3	C	+	59	43	0.02			
	Shields...	29.67	54	SE	3	0	29.38	-1.2	44	42	-2	SE	4	C	C. o. +	61	41	0.54			
	Spurn Head	29.75	56	SE	3	C	29.46	-1.2	50	47	-4	SE	8	bc	bc. c. +	63	42	0.29			
	Loughborough	29.79	54	SE	1	C	29.64	-1.4	49	45	0	SE	6	bc	bc. c. +	63	47	0.13			
	Malin Head	29.56	48	SE	5	+	29.58	-1.8	46	46	-7	SE	7	bc	bc. c. +	64	43	0.17			
FRANCE & NETHERLANDS.	Belmullet...	29.57	52	SE	5	C. f	29.84	0.0	51	50	-3	SE	6	+	+	56	48	0.90			
	Donaghadee	29.62	53	SE	2	0	29.63	-1.8	48	44	+1	SE	5	bc	bc. c. +	56	48	0.86			
	Liverpool (Bidston)	29.73	52	SE	1	0	29.65	-1.2	46	43	-7	SE	8	+	C. o. +	57	45	0.35			
	Holyhead...	29.66	54	SE	4	tm	29.73	-1.5	50	46	-3	SE	8	C. q	tm. bc	56	46	0.70			
	Parsonstown	29.48	55	SE	2	+	29.84	-0.4	47	45	+4	SE	1	bc	bc. c. +	58	42	0.55			
	Valencia...	29.57	61	SE	6	tm	30.01	+1.0	53	49	+2	SE	5	C	tm. bc	0.0	61	52	0.51		
	Roche's Point	29.61	60	SE	6	+	29.95	+0.1	54	50	+3	SE	4	bc	+	61	50	0.16			
	Pembroke (St. Ann's Hd.)	29.74	53	SE	5	0	29.85	-0.9	53	49	-1	SE	6	bc	0	2.1	60	51	0.21		
	Scilly...	29.80	61	SE	2	0	29.92	+0.2	56	51	+1	SE	6	C	C. o	0.0	62	51	0.16		
	Jersey (St. Aubin's)	29.85	63	SE	5	C	29.85	-1.4	58	52	+1	SE	4	0	+	64	56	0.48			
GERMANY.	Portland Bill	29.84	58	SE	1	0	29.79	-1.7	52	52	-1	SE	7	bc	0	63	52	0.10			
	Dungeness...	29.86	59	SE	2	C	29.70	-1.2	52	50	-1	SE	5	C. f	bc. c	64	52	0.12			
	London (Brixton)	29.82	55	SE	2	C	29.72	-1.2	53	47	+4	SE	5	bc	bc. c. +	7.2	65	48	0.18		
	Oxford...	29.75	54	SE	3	0	29.74	-1.9	52	46	+4	SE	3	bc	C. o	62	48	0.05			
	Yarmouth...	29.82	56	SE	2	bc	29.53	-1.2	52	47	+2	SE	6	bc	bc	59	47	0.11			
	Cuxhaven...	29.76	52	SE	3	bc	29.49	-1.8	46	45	-4	SE	5	+	bc	55	43	0.83			
	Berlin...	29.90	50	SE	3	0	29.83	+1.3	47	46	-4	SE	2	0	0	57	43	0.08			
	Wiesbaden...	30.15	50	SE	3	bc	29.81	-1.4	53	51	+3	SE	2	0	0	61	46	0.20			
	Munich...	30.15	50	SE	3	bc	30.01	-0.6	48	46	-2	SE	4	0	0	58	39	0.04			
	SPAIN.	The Helder	29.85	56	SE	3	C	29.30	-1.2	57	55	+3	SE	9	+	C	61	48	0.43		
Brussels...		29.86	56	SE	4	+	29.59	-1.4	59	57	+9	SE	6	+	+	60	50	0.04			
C. Gris Nez		29.86	56	SE	4	+	29.65	-1.2	55	52	+4	SE	7	C	+	61	51	0.16			
Paris...		30.01	56	SE	2	+	29.81	-1.2	59	57	+7	SE	5	0	+	66	52	—			
Brest...		29.92	61	SE	4	+	29.88	-1.4	57	54	-3	SE	2	C	+	64	52	0.47			
Lorient...		29.97	63	SE	5	+	29.84	-1.9	61	59	+1	SE	5	+	+	68	57	0.20			
Rochefort...		30.04	65	SE	4	C	29.94	-1.6	64	55	+1	SE	4	bc	bc. c	70	52	—			
Belfort...		30.07	54	SE	2	C. f	29.96	-0.8	50	46	0	SE	3	bc	C. f	63	46	—			
Lyons...		30.10	58	SE	1	bc	30.04	-0.7	48	46	-5	SE	1	bc	bc	64	45	—			
Nice...		29.86	69	SE	2	bc	30.02	+1.6	64	58	-1	SE	2	0	bc	84	57	—			
PEN.	Perpignan...	30.04	70	SE	2	C	30.02	-0.7	63	59	-2	SE	1	0	C	78	55	—			
	Biarritz...	30.03	67	SE	4	bc	30.00	-0.3	60	56	0	SE	3	bc	bc	73	57	—			
AZORES.	Corunna...	30.02	66	SE	4	bc	30.05	+0.4	67	60	-2	SE	4	bc	bc	79	63	—			
	Lisbon...	30.33	67	SE	4	C	30.33	-0.1	70	64	+4	SE	1	C	bc. c	73	64	—			
Azores (P. Delgada)		30.33	67	SE	4	C	30.33	-0.1	70	64	+4	SE	1	C	bc. c	73	64	—			

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 6.6 hrs.



# WEATHER CHARTS

FOR Friday, 22<sup>nd</sup> September, 1899.

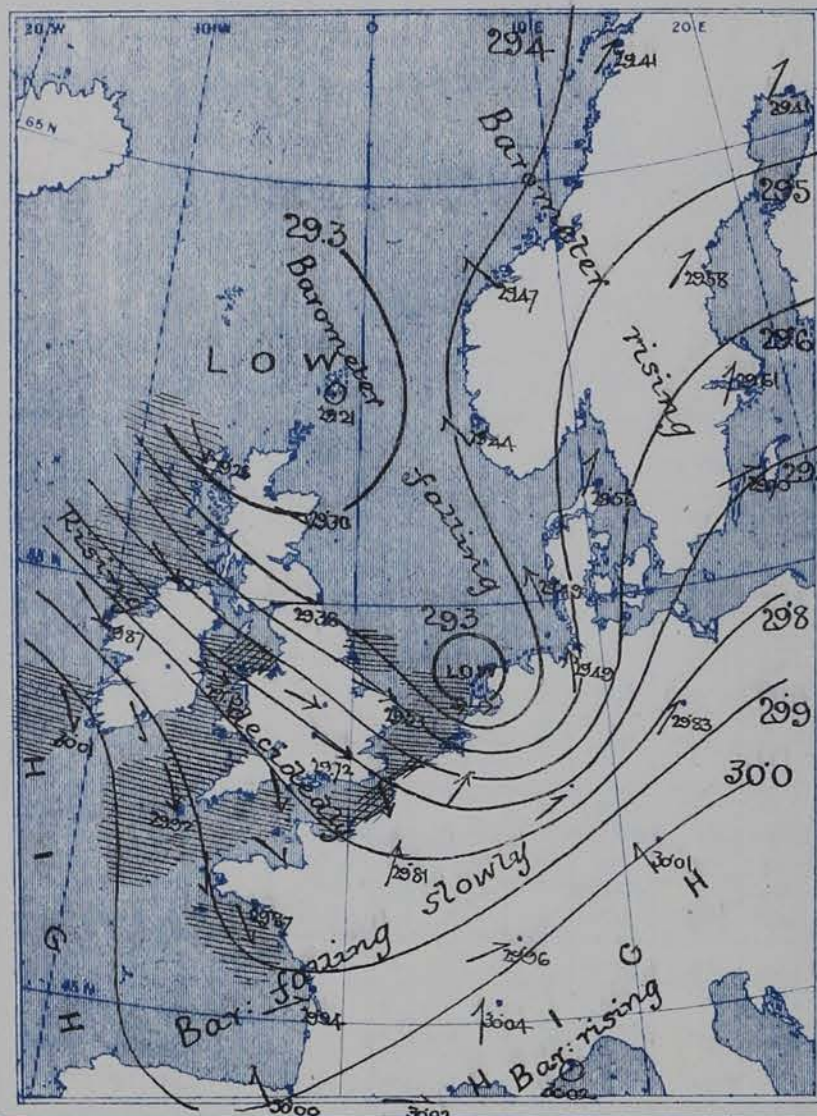
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ☉  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High

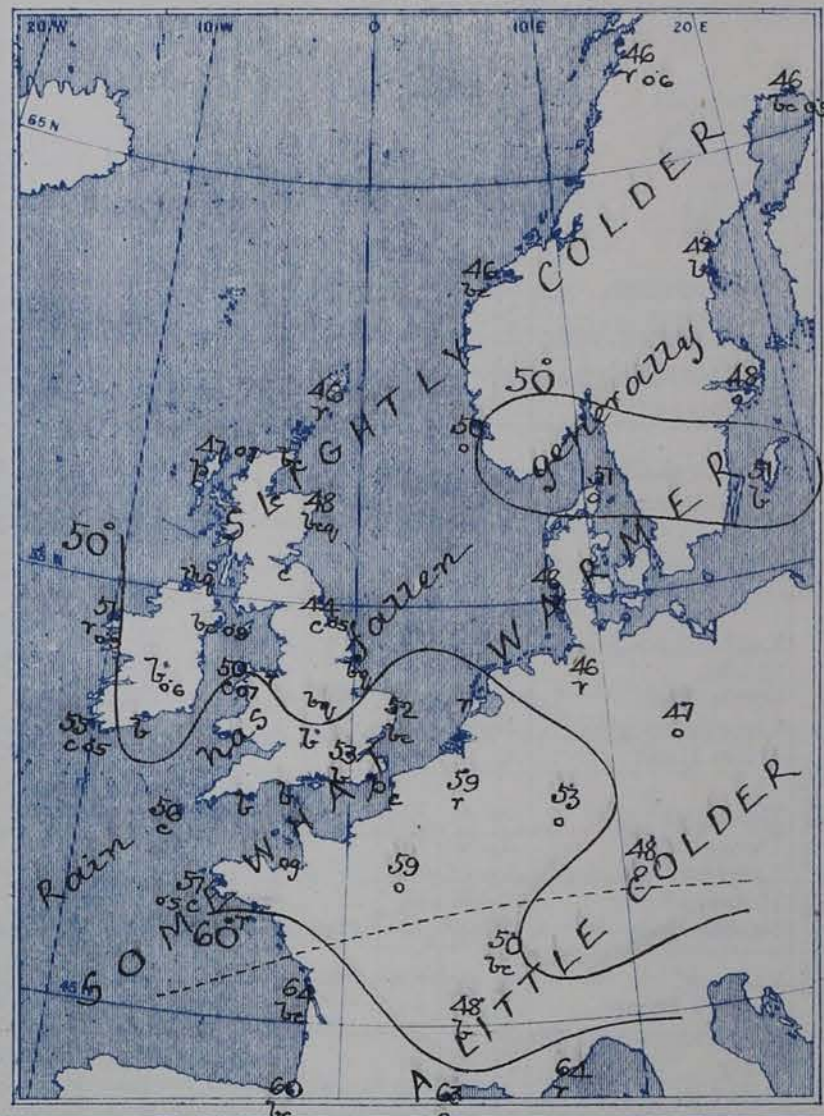


## TEMPERATURE AND WEATHER.

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.  (Inches.)	TEMPERATURE OF AIR. 1871-95.								RAINFALL Means, 1866-95.  (Inches.)	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
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	76*	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	—	—
Farsonstown	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	51.2	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* 30.01 in. at Valencia (Ireland), and above 30.0 in. in the S. and SE. of France.  
*Lowest* 29.3 in. to 29.2 in. in the N. of Scotland, and below 29.3 in. in a small well-marked secondary lying near the Helder.  
 Gradients steep over our Islands and the Netherlands, slight over the greater part of France and over Scandinavia. Barometer rising fast over our Islands generally.

### TEMPERATURE

*Highest* 64° at Nice, and above 60° over all the S. and SW. coasts of France; above 50° in the S. and SW. of our Islands.  
*Lowest* 42° at Heriöland, 44° to 48° over the N. half of our Islands.  
 The maxima recorded yesterday, were below 60° in Scotland, and ranged from 60° to 65° over England. On the Continent they were 57° at Berlin, 66° at Paris, 70° at Rochefort, 84° at Nice.

### WIND

NW<sup>ly</sup>, strong and squally, in our Islands, W. a strong gale at the Helder, SW<sup>ly</sup> light over Germany, S<sup>ly</sup> and SE<sup>ly</sup> on the Scandinavian coast. Over the southern parts it was light and variable to calm.  
 It blew very strongly over our southern coasts for a time in the night.

### WEATHER

Changeable - squally and showery, with bright intervals - in our Islands, very rough and rainy in the Netherlands, fine over the extreme S. of Europe.  
 Rain has fallen in all parts of our Islands and their neighbourhood, as much as 0.9 in. at Belmullet and Donaghadee; 0.8 in. fell at Cusshaven.  
 Bright Sunshine amounted to between 8 to 9 hrs. on our SE. coasts yesterday, to 8 hrs. at Aberdeen, to 7 hrs. at Southport and in London.

### SEA

Rough on all our coasts.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The NW<sup>ly</sup> winds, squalls and showers are likely to decrease slowly later in the day, and a cold night is probable over our Islands. The SW<sup>ly</sup> winds and rain felt in the night were apparently due to the small depression now over Holland.

## FORECASTS

For the 24 hours ending at NOON on 23<sup>RD</sup> SEPTEMBER 1899.

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

0 SCOTLAND NORTH

1 SCOTLAND EAST

2 ENGLAND N.E.

3 ENGLAND EAST

4 MIDLAND COUNTIES

5 ENGLAND SOUTH

NW<sup>ly</sup> winds, strong, squally, showery, cooler.

NW<sup>ly</sup> winds, very fresh and gusty, some rain at times.

5 SCOTLAND WEST

7 ENGLAND N.W.

8 ENGLAND S.W.

9 IRELAND NORTH



10 IRELAND SOUTH

Same as Nos 0 to 4.

NW<sup>ly</sup> winds, strong to moderate, showers, cooler.

### WARNINGS

At 3.30 pm yesterday to districts 0, 1, 6, 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.



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.		WEA.	SEA.		BAR.	THER.		WIND.		WEA.	SEA.
		Dry.	Wet.	Dir.	Force.					Dry.	Wet.	Dir.	Force.		
Skudesnaes ...	29.52	52	48	NW	4	c	3	Valencia ...	29.75	57	57	SE	4	tm	5
Sumburgh Head	29.50	52	49	NW	2	bc	3	Scilly ...	29.88	60	58	SE	3	c	2
Stornoway ...	29.52	57	52	WSW	4	o	4	Jersey ...	29.89	58	57	SE	3	+	4
Aberdeen ...	29.63	53	49	WSW	3	bc	3	Portland Bill ...	29.92	59	58	SE	2	o	3
Shields ...	29.74	59	51	W	4	c	2	Dungeness ...	29.92	62	53	WSW	4	bc	4
Malin Head ...	29.66	54	50	SE	5	o	3	London	29.89	63	54	WNW	3	bc	*
Belmullet ...	29.69	52	51	SE	4	+	*	(Westminster)							
Holyhead ...	29.84	56	49	SW	3	om	2	Yarmouth ...	29.85	59	57	WNW	4	bc	4
								Rochefort ...	50.10	69	64	SW	3	bc	*

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

Weather in morning fine and bright over the major part of the British Islands, France and the S<sup>m</sup> shores of the Mediterranean, dull, unsettled and rough over the E<sup>m</sup> shores of the North Sea, over the Baltic and W<sup>m</sup> Europe; and beginning to wear an unsettled appearance in the W and S. of Ireland and at Scilly and Jersey; considerable rain later over our Islands and their neighbourhood - large amounts in the N. of Ireland, at Holyhead and at Coochaven; the S. of France remaining quiet.

Temperature fallen over central, risen over N<sup>m</sup> Europe. Morning readings, <sup>highest</sup> 88° at Malta, 82° at Algiers, 75° to 65° over the Mediterranean, 60° and more in the W. of France. Lowest (1) 45° to 50° or a little more over N<sup>m</sup> Europe, (2) 47° at Sumburgh H<sup>d</sup> and Stornoway; 43° at Parsonstown, 46° at Shields, 48° to 49° over central England. Rising later to between 50° and 55° over N<sup>m</sup> Europe, to between 55° and 60° over Ireland and Scotland, to between 60° and 65° over England; to 57° at Berlin, 66° at Paris, and 84° at Nice.

Wind (1) W<sup>ly</sup>, fresh to moderate, over Gt. Britain, SW<sup>ly</sup>, strong over N. Germany, SE<sup>ly</sup> over Finland and Lapland; (2) light and variable over the central parts of the Continent; (3) light to moderate (but cyclonic) over the Mediterranean and Adriatic. Very strong SW<sup>ly</sup> to NW<sup>ly</sup> winds felt in our Islands at night.

Barometer 30.1 ins. and more over the SW<sup>m</sup> parts of France, and exceeding 30.0 ins. over nearly the whole of the country, as well as in the Balkan Peninsula and S. of Russia. Lowest 29.2 ins. to 29.1 ins. in a depression over the N. of Scandinavia, and extending S<sup>th</sup> over the Baltic, Germany and Denmark; (2) below 29.9 ins. in a small secondary to the W<sup>rd</sup> of Scilly. Giving way rapidly in our Islands later; a depression passing N<sup>e</sup> up our NW. coasts, and a secondary over the S. 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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" Weekly

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# DAILY WEATHER REPORT

for 8 a.m. on *Saturday, 23<sup>rd</sup> September,* 1899.

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.		PAST 24 HOURS.				
		At 83° and M.S.L.	Dry Bulb	Dir.	Force (0 to 12.)	Weather	At 82° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb	Wet Bulb.	Change since Yester- day.	Dir.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Hours of Bright Sun- shine.	Max	Min.	Rainfall.	
		Ins.	°					Ins.	Ins.	°	°	°							Ins.	
SCANDINAVIA.	Haparanda...																			
	Hernösand...																			
	Stockholm...																			
	Wisby...																			
	Karlstad...																			
	Bodö...	29.56	45	Z	0	0	29.56	+15	42	40	-4	E	2	0	1	0	*	48	44	0.04
	Christiansund...	29.40	48	NE	4	bc	29.33	-14	43	41	-3	SE	1	0	3	bc	*	50	41	-
	Skudesnaes...	29.19	50	NNE	4	r	29.34	-10	52	48	+2	NW	0	0	3	r	*	52	45	*
	Færder (X'ania Fjord)	29.08	48	E	7	0	29.11	-41	48	45	-3	NW	6	0	3	0	*	54	46	1.06
	The Scau (Skagen)	28.80	50	S	9	m	29.21	-35	50	47	-1	NW	6	0	2	r	*	54	48	0.67
Fanö...	29.28	53	WSW	9	c	29.51	+02	54	50	+6	W	8	0	*	r.c	*	59	46	0.39	
BRITISH ISLANDS.	Sumburgh Head...	29.38	46	N	2	bc	29.44	+23	43	41	-3	N	1	0	3	bc	*	49	44	0.29
	Stornoway...	29.67	47	NW	5	0	29.46	+18	44	42	-3	WSW	3	0	3	r.o	0.0	49	40	0.60
	Wick...	29.43	49	NW	4	0	29.42	+18	43	42	-4	NW	2	0	1	0	*	54	39	0.15
	Nairn...	29.58	48	NW	4	c	29.51	+22	45	44	-2	W	2	0	2	c.r	*	49	38	0.48
	Aberdeen...	29.46	46	NW	5	bc	29.53	+23	46	43	-2	SW	3	0	3	bc qp	6.8	54	40	0.09
	Leith...	29.50	52	W	3	0	29.59	+21	51	48	+3	SW	4	0	*	0	*	58	44	-
	Shields...	29.55	51	W	4	c	29.75	+37	49	47	+5	SW	4	0	2	bc.c	*	56	42	0.02
	Spurn Head...	29.59	52	W	7	0	29.84	+38	50	47	0	W	5	0	4	bc	*	54	47	-
	Loughborough...	29.82	51	NW	5	0	29.95	+31	49	46	0	WSW	4	0	*	bc qp	*	57	45	-
	Malin Head...	29.78	49	NW	8	c	29.66	+08	49	49	+3	NW	7	0	6	qp	*	54	44	0.36
FRANCE & NETHERLANDS.	Belmullet...	29.99	53	NW	4	c	29.93	+06	54	49	+3	NW	6	0	*	bc.c	*	55	49	0.07
	Donaghadee...	29.81	51	NW	6	bc qp	29.78	+15	49	47	+1	W	3	0	4	bc qp	*	56	43	0.04
	Liverpool (Bidston)	29.79	52	WSW	7	bc	29.88	+23	53	49	+7	SW	4	0	5	qp bc	*	57	45	0.12
	Holyhead...	29.88	53	W	8	bc qp	29.93	+20	54	50	+4	WSW	6	0	4	bc qp	*	55	46	0.02
	Parsonstown...	29.99	51	W	1	c	29.98	+11	51	47	+4	W	1	0	*	c	8.4	56	45	0.02
	Valencia...	30.10	57	NW	4	bc	30.10	+09	57	52	+2	WSW	5	0	5	bc qp	5.6	59	52	0.02
	Roche's Point...	30.05	56	NW	5	bc	30.07	+12	54	50	0	W	5	0	4	bc	*	58	49	0.01
	Pembroke (St. Ann's Hd.)	29.95	57	NW	5	bc	30.04	+19	56	52	+3	NW	6	0	4	bc	9.4	57	51	-
	Scilly...	30.07	58	NW	5	c	30.13	+21	58	55	+2	W	3	0	2	c	6.2	61	51	-
	Jersey (St. Aubin's)	30.05	58	NW	4	bc	30.15	+20	56	50	-2	NW	3	0	3	bc	*	62	51	-
GERMANY.	Portland Bill...	29.97	57	NW	6	bc	30.09	+30	55	51	+1	NW	4	0	3	bc	*	59	53	-
	Dungeness...	29.88	56	W	4	bc	30.04	+34	56	52	+4	NW	4	0	4	bc	*	65	44	-
	London (Brixton)	29.89	55	NW	2	bc	30.05	+33	49	45	-4	WSW	2	0	*	bc bc	8.8	61	41	-
	Oxford...	29.95	50	W	3	bc	30.03	+29	49	46	-3	SW	2	0	*	bc	*	59	43	-
	Yarmouth...	29.70	53	NW	6	bc qp	29.92	+39	50	47	-2	W	5	0	4	bc qp	*	57	42	-
	Cuxhaven...	29.52	53	WSW	6	0	29.69	+20	50	49	+4	WSW	6	0	*	0	*	57	46	0.59
	Berlin...	29.77	55	W	4	0	29.89	+06	49	45	+2	WSW	5	0	*	0	*	61	45	0.04
	Wiesbaden...						30.08	+27	49	48	-4	WSW	1	0	*	*	*	59	43	0.08
	Munich...	30.02	56	SW	4	c	30.15	+14	50	49	+2	SW	2	0	*	c	*	66	48	0.24
	SPAIN.	The Helder...	29.64	55	WSW	9	bc	29.87	+57	55	49	-2	WSW	5	0	5	bc	0.7	59	50
Brussels...							30.06	+47	48	45	-11	WSW	2	0	*	bc	*	59	41	0.08
C. Gris Nez...		29.88	57	NW	6	c	30.04	+39	52	48	-3	NW	4	0	4	c	*	63	46	-
Paris...		30.00	57	NW	1	bc	30.13	+32	44	43	-15	SSW	1	0	*	bc	*	62	41	0.04
Brest...		30.12	57	NW	3	c	30.14	+26	52	50	-5	NW	1	0	2	c	*	63	45	-
Lorient...		30.10	59	N	5	0	30.19	+32	52	50	-9	N	3	0	3	0	*	68	48	0.32
Rochefort...		29.98	61	NE	3	0	30.12	+18	51	50	-13	NE	4	0	*	0	*	70	48	0.08
Belfort...		29.93	55	W	3	0	30.09	+13	49	48	-1	NE	1	0	*	0	*	68	46	0.16
Lyons...		29.95	67	N	1	0	30.08	+04	54	52	+6	N	2	0	*	0	*	73	48	0.08
Nice...		29.99	64	SW	1	c	29.94	-08	61	60	-3	E	2	0	1	c	*	73	49	0.08
PEN.	Perpignan...	29.97	68	Z	0	bc	30.01	-01	63	61	0	W	2	0	*	bc	*	75	63	0.04
	Biarritz...	30.01	67	S	3	c	30.01	+01	59	58	-1	NE	3	0	2	c	*	72	57	0.63
AZORES.	Corunna...																			
	Lisbon...	30.13	65	N	4	c	30.13	+08	67	63	0	N	3	0	*	c	*	75	64	-
AZORES.	Azores (P. Delgada)	30.39	66	Z	0	0	30.39	+06	66	63	-4	N	1	0	3	0	*	77	63	-

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southampton 9.4 hrs.



# WEATHER CHARTS

FOR *Saturday, 23<sup>rd</sup> September,* 1899.

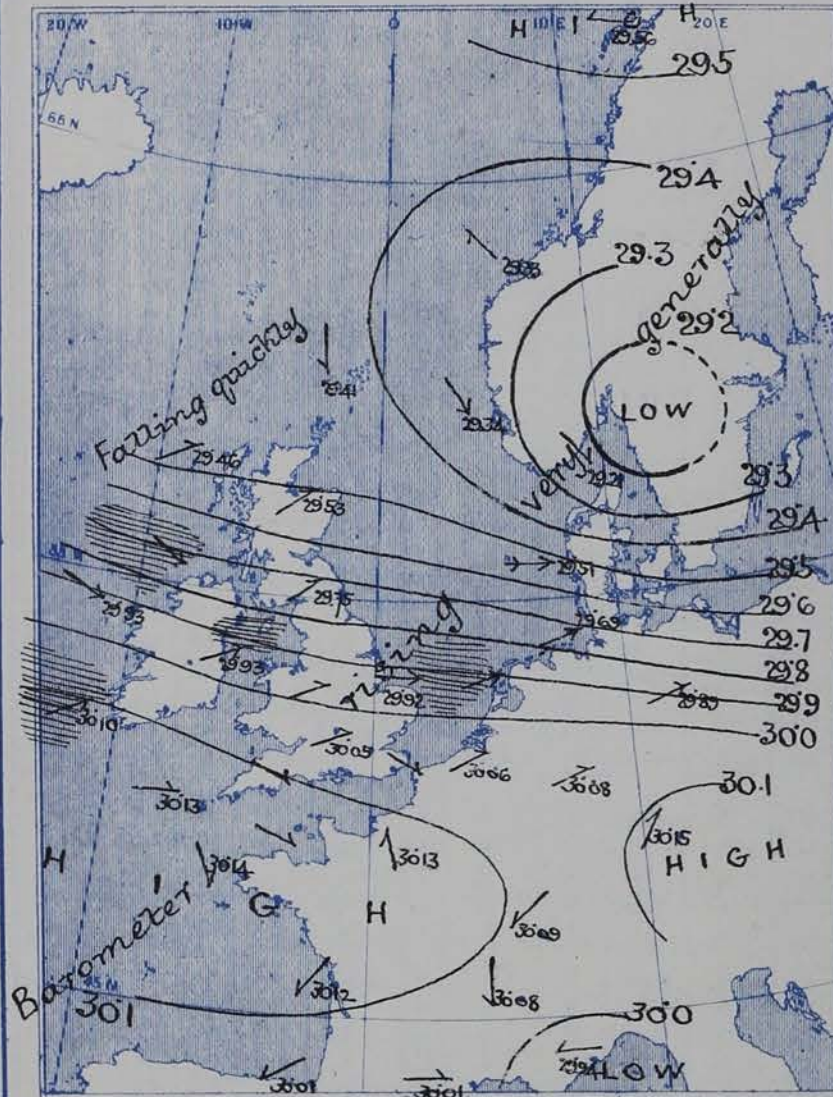
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ⊙  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High

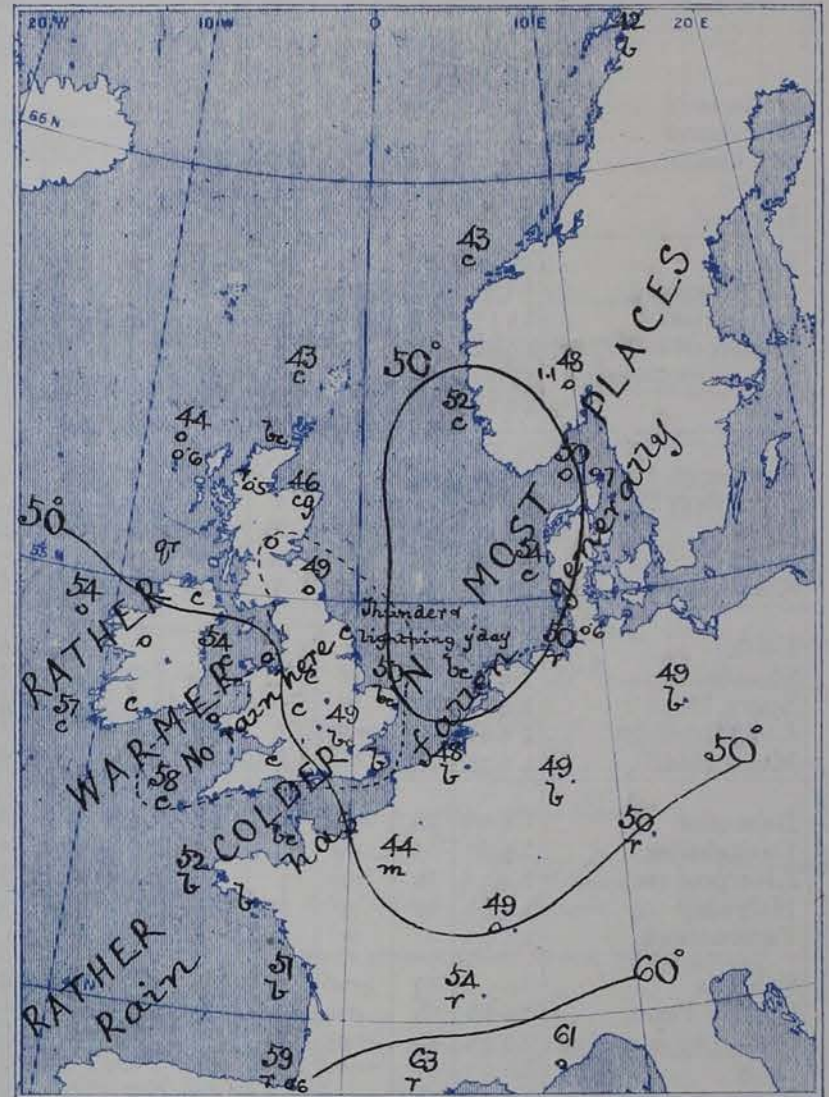


## TEMPERATURE AND WEATHER.

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. (Inches.)	TEMPERATURE OF AIR. 1871-95.								RAINFALL Means, 1866-95. (Inches.)	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m. °	Wet Bulb 8 a.m. °	Daily Maximum. °	Daily Minimum. °	Maximum °	Years.	Minimum °	Years.			
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	—	—
Farsonstown	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	51.2	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 over the NW<sup>m</sup> parts of France and the extreme SW. of our Islands, and exceeding 30.0 ins. over all our S<sup>m</sup> counties.

*Lowest* 29.3 ins. and less over the S. of Sweden and N. of Denmark.

*Gradients* rather steep over our Islands and the North Sea, and likely to increase.

*Barometer* falling fast in Scotland, and beginning to fall over the S. of England also.

### TEMPERATURE

*Highest* 61° to 63° on the South coast of France, 58° to 55° on our own S<sup>m</sup> coasts.

*Lowest* 42° at Bodø, 43° at Christiansund, Sumburgh H<sup>o</sup>, Wick, 44° at Stornoway, 49° at Malin Head.

The maximum readings recorded yesterday were only 49° at Sumburgh H<sup>o</sup>, Stornoway and Naun. The minimum in the night was 41° in London.

### WIND

W<sup>ly</sup>, and moderate over the United Kingdom generally, strong on the eastern shores of the North Sea, NW<sup>ly</sup> in Norway.

In France it was very light NW<sup>ly</sup> to N<sup>ly</sup>, and anticyclonic.

### WEATHER

Had again become dull, rainy and unsettled in Scotland, and was rainy at Cuxhaven also. Over England it was fair, but not settled, and in the N. and NW. of France, fine and bright. The SW. of France becoming rainy again.

Lightning has been seen at Spurn H<sup>o</sup>, and thunder has occurred at the Helder.

Bright Sunshine recorded yesterday amounted to upwards of 9 hrs. in many parts of England, at Aberdeen it was 6.8 hrs., and at Stornoway there was none.

### SEA

Rough in the extreme W., moderate to slight elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new depression, advancing from the NW<sup>m</sup> is likely to cause very rough weather, with rain and sudden changes of temperature in all parts of the Kingdom. The north and northwest coasts have again been warned.

## FORECASTS

For the 24 hours ending at NOON on 24<sup>th</sup> SEPTEMBER 1899.

### DISTRICTS.

### FORECASTS.

- 10 { SCOTLAND NORTH
- 11 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

W<sup>ly</sup> winds, veering to NW., and increasing greatly in force, with cold showers, squally.

### DISTRICTS.

### FORECASTS.

- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH

W<sup>ly</sup> winds, veering to NW., and increasing greatly in force, with cold showers, squally.

### WARNINGS

At 10.20 am. today to districts 0, 1, 6 and 9. Hoist North Cone.

*Note.*—The South Cone, point downwards (  $\nabla$  ), 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 (  $\Uparrow$  ), 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.		WIND.		WEA.	SEA.		BAR.	THER.		WIND.		WEA.	SEA.
		Dry.	Wet.	Dir.	Force.	r	2			Dry.	Wet.	Dir.	Force.	e.g.	5
udesnaes	29.27	52	47	ENE	2	0	4	Valencia ...	30.08	59	52	WNW	4	c	3
umburgh Head	29.30	48	46	ENE	1	0	4	Scilly ...	30.06	59	53	W	5	bc	4
stornoway...	29.52	48	45	W	8	0	4	Jersey ...	30.00	62	53	W	4	bc	5
Aberdeen ...	29.31	49	45	W	6	cq	4	Portland Bill ...	29.93	58	57	WNW	7	bc	4
Shields ...	29.46	54	49	WSW	5	bc	2	Dungeness ...	29.83	63	50	WNW	5	bc	4
Malin Head ...	29.69	52	49	W	8	cq	7	London	29.82	60	49	WNW	4	c	*
Belmullet ...	29.98	53	54	WNW	5	bc	*	(Westminster)							*
Holyhead ...	29.83	53	48	W	8	bcq	6	Yarmouth ...	29.66	57	49	WNW	7	bcq	4
								Rochefort ...	29.96	70	65	W	4	o	*

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

Weather in morning (1) very unsettled over NW<sup>m</sup> Europe - rainy in many places especially over the Netherlands and the NW<sup>m</sup> parts of Ireland, and squally generally. Strong NW squalls over our Islands later, and rain at all the Irish and Scotch stations, as well as over the Continent - amount 1.06 in. at Faerder.

Temperature changing fitfully every few hours. Highest in morning again exceeding 80° at Algiers, and above 70° at many places on the S<sup>m</sup> and W<sup>m</sup> shores of the Mediterranean; 56° to 50° on our S and SW coasts, 50° at Archangel. Lowest 46° in the NW of Norway, 47° at Parsonstown, 44° to 49° over Scotland, the N<sup>m</sup> and Midland parts of England. Rising later to between 55° and 59° in Ireland, to more than 60° over our SW<sup>m</sup> and S<sup>m</sup> countries; to 61° at Berlin, 62° at Paris, 73° at Lyons and Nice.

Wind varying greatly. (1) Light and variable over all the southern and southeastern countries; (2) NW<sup>m</sup>, very strong and squally over the British Isles. W<sup>m</sup>, a strong gale at the Helder, S<sup>m</sup> and SW<sup>m</sup>, fresh to strong over N. Germany & Denmark, SW<sup>m</sup> to SE<sup>m</sup>, light over Scandinavia. Remaining rough and squally from NW over our Islands all day, and becoming strong from W in Holstein and Denmark.

Barometer in morning (1) 30.2 ins. to 30.0 ins. over SE<sup>m</sup> Europe; (2) exceeding 30.0 ins. in the SW of Ireland and over Spain and Portugal. Lowest 29.3 ins. and less (1) in a depression over the N. of Scotland, and (2) in another (a deep secondary) over the N. of Holland. Rising quickly in our Islands later, falling fast over Scandinavia and the Baltic.

### 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 24<sup>th</sup> September, 1899.

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 Yester- day.	Dry Bulb	Wet Bulb	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	Max	Min.	Rainfall <sup>1</sup>
	Ins.	°					Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda...	29.47	46	SE	6	c	29.39	-0.26	47	46	+ 5	E	2	o	*	c	*	48	41	0.35
	Hernösand...	29.25	47	Z	0	o	29.53	+0.21	46	45	- 4	W	4	bc	*	o	*	55	41	0.12
	Stockholm...	29.50	49	SW	6	b	29.72	+0.42	50	47	- 2	SW	4	b	*	b	*	55	46	0.24
	Wisby...	29.69	52	WSW	8	b	29.78	+0.34	48	46	- 2	S	4	b	*	b	*	55	48	0.08
	Karlstad...	29.47	50	W	2	o	29.64		49	46		WNW	2	r	*	o	*	*	*	0.24
	Bodo...	29.45	45	E	3	bc	29.46	-0.10	44	42	+ 2	ESE	2	c	1	bc	*	52	39	-
	Christiansund...	29.50	48	NE	2	c	29.62	+0.29	44	42	+ 1	N	1	o	3	c	*	52	43	0.16
	Skudesnaes...	29.50	48	NNW	1	bc	29.60	+0.26	48	46	- 4	NNE	4	c	1	bc	*	55	46	*
	Færder (X'ania Fjord)	29.46	54	WSW	2	c	29.57	+0.46	49	48	+ 1	N	4	o	3	c	*	55	48	-
	The Scaw (Skagen)	29.59	50	WSW	3	b	29.55	+0.34	53	50	+ 3	S	3	mt	0	b	*	57	48	-
BRITISH ISLANDS.	Fanö...	29.68	50	SW	4	c	29.49	-0.02	48	47	- 6	SSW	4	c	*	c	*	57	46	0.24
	Sumburgh Head...	29.46	46	NE	3	r	29.74	+0.30	43	41	0	N	3	c	4	o, r	*	49	40	0.31
	Stornoway...	29.65	47	NNW	5	o	29.82	+0.36	41	39	- 3	WNW	3	c	3	c, o	4.1	55	35	0.25
	Wick...	29.47	49	NW	6	o	29.81	+0.39	48	45	+ 5	NW	1	c	1	o	*	54	39	0.12
	Nairn...	29.57	46	W	3	bc	29.84	+0.33	45	43	0	Z	0	c	1	bc	*	51	41	0.05
	Aberdeen...	29.62	44	WNW	4	bc	29.87	+0.28	48	45	+ 2	NW	3	bc	3	cp, bc	2.3	54	42	0.18
	Leith...	29.62	47	SW	3	b	29.86	+0.27	50	46	- 1	WNW	1	bc	*	b	*	56	42	0.05
	Shields...	29.61	48	W	4	c	29.82	+0.09	49	47	0	WNW	3	c	1	bc, c	*	55	34	0.17
	Spurn Head...	29.68	51	WSW	5	c	29.75	-0.09	50	47	0	WNW	7	b	5	c, bc	*	57	46	0.17
	Loughborough...	29.81	49	WSW	3	b	29.92	-0.03	49	45	0	WNW	3	bc	*	bc, bc	*	62	45	0.15
FRANCE & NETHERLANDS.	Malin Head...	29.76	51	WNW	7	bc	29.88	+0.22	49	48	0	SSW	4	r	3	bc	*	54	46	0.07
	Belmullet...	30.00	54	WNW	6	o	29.84	-0.09	55	54	+ 1	SSW	6	rw	*	o	*	56	44	0.16
	Donaghadee...	29.79	51	NW	5	bp	29.94	+0.16	48	45	- 1	WSW	3	c	3	bp	*	56	45	0.10
	Liverpool (Bridgeton)	29.78	53	WSW	8	bc	29.95	+0.07	51	47	- 2	W	5	c	5	bc, bc	*	57	46	0.17
	Holyhead...	29.86	53	WNW	8	cp	29.98	+0.05	51	48	- 3	WNW	4	c	4	cp	*	56	48	0.12
	Parsonstown...	29.99	52	NW	1	o	30.02	+0.04	49	48	- 2	SE	1	or	*	o	1.0	57	47	0.03
	Vaencia...	30.11	57	W	6	og	30.04	-0.06	57	54	0	SSW	3	og	4	og	1.8	59	53	0.03
	Roche's Point...	30.07	56	NW	5	c	30.12	+0.05	54	53	0	SW	3	om	3	c	*	60	50	-
	Pembroke (St. Ann's Hd.)	29.96	57	NW	6	o	30.05	+0.01	55	51	- 1	NW	5	og	4	o	0.1	58	45	0.03
	Scilly...	30.12	58	WNW	5	c	30.12	-0.01	59	56	+ 1	NW	4	c	3	c	4.1	64	54	-
SPAIN.	Jersey (St. Aubin's)	30.11	61	WSW	5	c	30.11	-0.04	58	52	+ 2	W	4	c	3	c, pg	*	63	54	0.02
	Portland Bill...	29.98	58	WNW	7	c	30.02	-0.07	55	50	0	NNW	6	c	4	c	*	59	52	0.03
	Dungeness...	29.92	58	WSW	5	c	29.94	-0.10	54	51	- 2	W	5	b	4	c	*	64	47	-
	London (Brixton)	29.88	54	W	4	bc	29.94	-0.11	51	45	+ 2	WNW	5	bc	*	bc, op.	2.8	61	45	0.03
	Oxford...	29.91	52	WSW	4	r	29.97	-0.06	50	46	+ 1	W	2	b	*	c, r	*	59	44	0.02
	Yarmouth...	29.76	56	WNW	5	c	29.78	-0.14	49	45	- 1	WNW	6	bc	4	cr, c	*	60	44	0.14
	Cuxhaven...	29.81	52	SW	4	c	29.62	-0.17	46	45	- 4	SW	5	o	*	c	*	55	41	0.16
	Berlin...	29.97	50	WSW	2	b	29.75	-0.14	48	45	- 1	SW	4	r	*	b	*	61	45	-
	Wiesbaden...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Munich...	30.10	48	Z	0	o	30.03	-0.12	48	46	- 2	SW	5	bc	*	o	*	55	45	0.04
GERMANY.	The Helder...	*	*	*	*	*	29.88	-0.18	49	46	+ 1	WSW	4	t	*	o	*	59	46	-
	Brussels...	*	*	*	*	*	29.91	-0.13	53	48	+ 1	NW	6	b	6	o	*	61	48	-
	C. Gris Nez...	29.91	57	WNW	6	o	29.91	-0.11	51	50	+ 7	WSW	3	r	*	bc	*	66	44	0.04
	Paris...	30.09	55	SW	2	bc	30.02	+0.07	58	55	+ 6	NW	1	b	1	bc	*	63	48	-
	Brest...	30.23	60	SW	2	bc	30.21	+0.07	58	55	+ 6	NW	1	b	1	bc	*	63	48	-
	Lorient...	30.20	59	NW	5	c	30.17	-0.02	59	59	+ 7	WNW	4	o	4	c	*	64	50	-
	Rocheport...	30.12	62	NW	4	b	30.18	+0.06	60	55	+ 9	W	3	o	*	b	*	70	48	-
	Belfort...	*	*	*	*	*	30.18	+0.10	48	45	- 6	ESE	1	c	*	b	*	64	44	-
	Nice...	30.09	55	N	1	b	30.18	+0.12	59	50	- 4	W	2	b	*	o	*	77	56	-
	Perpignan...	30.01	70	NW	3	o	30.13	+0.17	53	48	- 6	ESE	3	bc	2	c	*	66	50	-
SPAN.	Biarritz...	30.10	63	NW	3	c	30.18	+0.17	53	48	- 6	ESE	3	bc	2	c	*	66	50	-
	Corunna...	30.17	72	NNE	3	bc	30.19	-0.01	54	52	-	NE	2	b	3	bc	*	70	53	-
PEN.	Lisbon...	30.13	66	N	5	o	30.12	-0.01	65	61	- 2	NNW	5	b	*	o	*	73	63	-
	Azores (P. Delgada)	30.39	68	NW	3	b	30.32	-0.07	69	66	+ 3	NNE	1	bc	3	b	*	77	64	0.04

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 2.1 hrs.



# WEATHER CHARTS

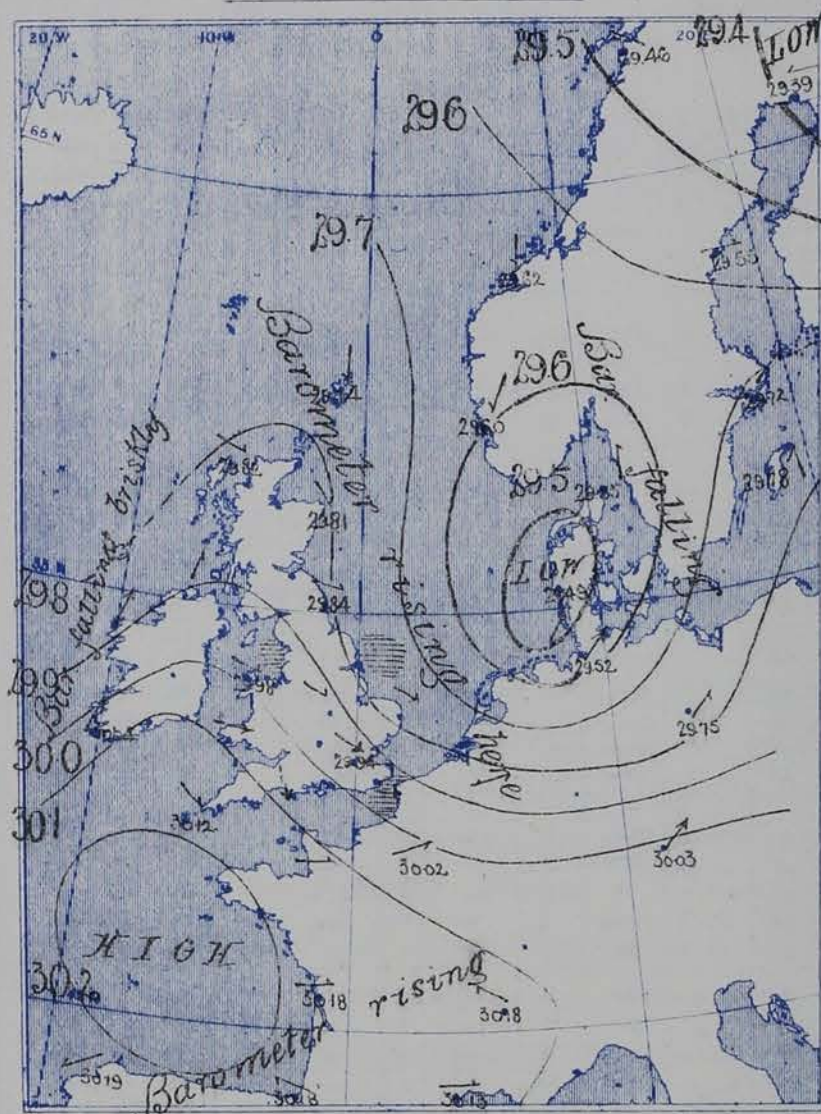
FOR Sunday, 24<sup>th</sup> September, 1899.

## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ☉  
Force 8 to 10 → : Force 1 to 4 → :  
SEA.—Rough → : High →



## TEMPERATURE AND 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.  (Inches.)	TEMPERATURE OF AIR, 1871-95.								RAINFALL Means, 1866-95.  (Inches.)	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum. °	Years.	Minimum. °	Years.			
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	51.2	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 the Bay of Biscay, and exceeding 30.0 in: over the southwest of our islands, and the whole of France and South Germany.  
 Lowest, (1) 29.4 in: and less, in the north of Russia, and 29.5 in: and less, in a small depression near the coast of Denmark; (2) 29.9 in: and less, in a new disturbance off the west of Ireland and advancing towards Scotland.  
 Gradients somewhat steep for NW winds at our eastern stations and for SW winds in the west of Ireland.  
 Barometer falling again on our western coast, rising in the east of England.

### TEMPERATURE

Highest, 58° to 60° in the west of France, 59° at Scilly, 58° at Jersey, and 57° at Valence.  
 Lowest, 44° in the northwest of Norway, 41° at Stromsø, 43° at Sumburgh Head, 46° at Cuxhaven, 48° at Aberdeen, 49° at Krasnobor, Doughty, and Yesterday's maxima ranged from 49° at Sumburgh H., and a little above 50° in Scotland to between 59° and 64° in the south of England, 66° at Paris, 73° at Courmes and Lyon, and 71° both at Vespignan and Delgadon.

### WIND

(1) NW, strong, at our eastern stations, SW in Holland and Germany, S in Denmark, NE at Skudesnæs.  
 (2) In Ireland it has backed to SSW again, and blows freely at Balmullet.  
 (3) In the coast of France it is light and variable.

### WEATHER

Very variable as a whole and frequently changing in the various districts. (1) Fine over the south of France and the eastern part of England. (2) unsettled on the eastern shores of the North Sea, with thunder at the Scaur, dull, unsettled and rainy in the west of Ireland.  
 Rain has fallen in all parts of the Kingdom, but not heavily.  
 Bright Sunshine ranged from 0.1 hr: at Lemsbø to 4.1 hr: at Stromsø and Scilly.

### SEA

Moderate to rough in the west, rough at Cape Fin Vig, moderate as a whole elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS

For the 24 hours ending at NOON on 25. SEPT<sup>r</sup> 1899.

#### DISTRICTS.

#### FORECASTS.

- 1 { SCOTLAND NORTH
- 2 { SCOTLAND EAST
- 3 { ENGLAND N.E.
- 4 { ENGLAND EAST
- 5 { MIDLAND COUNTIES
- 6 { ENGLAND SOUTH

NONE ISSUED

#### DISTRICTS.

#### FORECASTS.

- 7 { SCOTLAND WEST
- 8 { ENGLAND N.W.
- 9 { ENGLAND S.W.
- 10 { IRELAND NORTH
- 11 { IRELAND SOUTH

#### WARNINGS

NONE ISSUED.

The N. Cone is still flying in districts 0.1.6. and 9.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.		WEA.	SEA.		BAR.	THER.		WIND.		WEA.	SEA.
		Dry.	Wet.	Dir.	Force.					Dry.	Wet.	Dir.	Force.		
Skudesnaes ...	29.49	56	50	NW	6	bc	2	Valencia ...	30.11	59	53	W	6	og	5
Sumburgh Head ...	29.40	45	45	ESE	2	o	3	Scilly ...	30.13	63	60	WSW	4	c	2
Stornoway ...	29.37	55	50	NW	4	c	4	Jersey ...	30.16	63	52	WNW	4	c	3
Aberdeen ...	29.45	51	45	W	3	c	3	Portland Bill ...	30.05	58	53	WNW	6	og	5
Shields ...	29.61	50	48	SW	3	bc	2	Dungeness ...	29.99	60	55	WSW	4	r	4
Malin Head ...	29.68	49	49	WNW	7	bc	6	London							
Belmullet ...	29.98	55	49	WNW	5	o		(Westminster)	29.95	61	53	W	3	o	*
Holyhead ...	29.86	54	52	W	8	opq	6	Yarmouth ...	29.83	60	52	W	4	c	4
								Rocheport ...	30.14	68	64	NE	3	bc	*

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

Weather in morning cloudy and not settled over the greater part of the United Kingdom, fine and quiet over France and Germany. Very unsettled over the countries lying to the eastward of the North Sea, fine in the north of Norway. Rain falling later almost everywhere, most over Sweden and the Baltic.

Temperature fallen fast over France, risen over Germany, changing fitfully (rising and falling frequently and suddenly) over our Islands. Morning readings highest 80° at Palermo, 76° at Algiers, 73° at Barcelona, 58° to 49° over the southern parts of the British Isles; 52° to 50° over the Baltic. Lowest 42° to 46° over the northern Europe, 43° to 46° over the north of Scotland. Scarcely exceeding 50° in Scotland during day, touching 60° at Rockpoint, 64° over some southern parts of England, 66° at Paris, 73° at Florence, 77° at Perpignan.

Wind (1) W<sup>1</sup> (WSW & WNW) over the United Kingdom generally, fresh in force; W<sup>3</sup> to S<sup>3</sup> strong over North Germany; S<sup>3</sup> strong, over the Baltic, SE over northern Europe; (2) light and very variable over the southern half of England. Increasing in strength over our northwestern districts later, but moderating greatly over the North Sea.

Barometer in morning highest (1) 30.2 in. to 30.1 in. over Southeastern Europe; (2) 30.1 in. and more, over the Bay of Biscay, western France, and the extreme southwest of our Islands. Lowest about 29.0 in. and less, in a deep depression over the southwest of Norway, and below 29.5 in. in a secondary forming over the north of Scotland. Gradients very steep over Denmark and Holstein. Scotch disturbance developing and moving southwards later, that over Sweden beginning to fill up.

### 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, 25<sup>th</sup> September,* 1899.  
 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	Sea (0 to 9.)	BAROMETER.	TEMPERATURE.				WIND.		Weather	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	TEMP.		
	At 83° and M.S.L.	Dry Bulb	Dir.	Force (0 to 12.)			At 32° Fahr. and M.S.L.	Change since Yesterday.	Dry Bulb	Wet Bulb	Change since Yesterday.	Dir.	Force (0 to 12.)					Max	Min.	Rainfall.
	Ins.	°					Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda...	29.58	48	Z	0	r	29.63	+0.24	46	45	-1	S	2	c	*	r	*	52	43	0.12
	Hernösand...	29.64	41	Z	0	o	29.62	+0.09	37	37	-9	Z	0	f	*	b	*	55	37	-
	Stockholm...	29.72	45	Z	0	b	29.54	-0.18	45	44	-5	NE	2	o	*	b	*	55	45	0.43
	Wisby...	29.62	48	S	4	c	29.52	-0.26	47	46	-1	S	4	bc	*	c	*	55	43	0.24
	Karlstad...	29.60	46	Z	0	c	29.62	-0.02	37	37	-10	H	2	c	*	c	*	*	*	0.28
	Bodö...	29.60	45	NE	4	bc	29.56	+0.10	41	40	-3	E	2	b	1	bc	*	45	37	0.39
	Christiansund...	29.59	46	Z	0	b	29.57	-0.05	42	41	-2	Z	0	b	2	b	*	46	37	0.04
	Skudesnaes...	29.62	49	NE	4	c	29.61	+0.01	43	41	-5	NE	4	c	2	c	*	55	41	*
	Færder (X'ania Fjord)	29.58	50	E	2	b	29.55	-0.02	48	48	-1	E	2	o	2	b	*	50	48	-
	The Scaw (Skagen)	29.57	49	Z	0	bc	29.55	0.00	49	48	-4	H	1	bc	0	bc	*	54	46	0.39
BRITISH ISLANDS.	Fanö...	29.60	48	Z	0	b	29.58	+0.09	50	48	+2	NE	1	c	*	b	*	57	45	-
	Sumburgh Head...	29.62	45	H	1	c	29.58	-0.16	45	42	+2	NE	1	bc	2	c	*	47	37	0.02
	Stornoway...	29.59	47	S	2	r	29.51	-0.30	49	46	+1	S	2	o	2	r	*	52	43	0.20
	Wick...	29.52	43	E	1	o	29.52	-0.32	48	47	+3	SE	1	o	0	o	*	51	41	0.19
	Aberdeen...	29.62	42	SW	2	og	29.55	-0.26	49	46	+1	SW	2	bc	2	og	4.4	52	40	0.46
	Leith...	29.64	48	W	1	r	29.58	-0.28	52	50	+2	WSW	1	cm	*	r	*	54	43	0.07
	Shields...	29.70	47	SSW	3	r	29.62	-0.22	49	48	0	W	3	o	2	r	*	57	45	0.11
	Spurn Head...	29.83	50	NE	5	r	29.67	-0.08	53	51	+3	NE	5	c	4	r	*	62	47	0.07
	Loughborough...	29.86	50	SW	2	o	29.77	-0.15	53	49	+4	W	3	c	*	c.ogp.c	*	60	49	0.03
	Malin Head...	29.65	54	NE	6	o	29.60	-0.28	54	52	+5	WSW	4	o	3	m.p.o	*	58	49	0.08
FRANCE & NETHERLANDS.	Belmullet...	29.86	56	NE	4	bc	29.71	-0.18	56	54	+1	SW	4	r	*	o.bc	*	59	52	0.09
	Donaghadee...	29.76	56	NE	5	bc.ogp	29.68	-0.26	52	51	+4	W	4	o	4	bc.ogp	*	57	47	0.16
	Liverpool (Bidston)	29.72	54	SSW	4	r	29.74	-0.21	54	52	+3	WSW	4	o	4	p	*	58	50	0.08
	Holyhead...	29.78	57	WSW	5	cpm	29.78	-0.20	55	52	+4	WSW	3	cm	2	cpm	*	57	48	0.05
	Parsoastown...	29.86	57	NE	1	c	29.76	-0.26	54	52	+5	S	1	o	*	c	2.6	62	48	0.01
	Valencia...	29.98	58	WNW	4	og	29.83	-0.21	58	57	+1	SSW	3	oam	4	og	1.2	61	54	0.06
	Roche's Point...	29.92	60	WNW	4	bc	29.84	-0.28	55	52	+1	W	3	c	3	m.bc	*	61	50	0.02
	Pembroke (St. Ann's Hd.)	29.87	58	WSW	6	r	29.86	-0.19	57	54	+2	W	5	c	4	or	0.1	58	53	0.02
	Scilly...	30.01	61	WSW	5	opm	29.93	-0.19	59	57	0	W	4	o	3	opm	0.3	64	55	0.10
	Jersey (St. Aubin's)	30.10	60	W	4	og	29.94	-0.17	61	56	+3	WNW	5	c	4	bc.ogp	*	63	55	0.15
GERMANY.	Portland Bill...	30.00	58	W	6	o	29.89	-0.13	57	54	+2	WNW	5	c	3	o	*	59	53	-
	Dungeness...	29.97	59	W	4	c	29.82	-0.12	59	57	+5	WNW	3	c	3	bc.c	8.8	64	54	0.07
	London (Brixton)	29.96	57	WSW	2	o	29.83	-0.11	55	51	+4	WNW	2	c	*	b.c.oa	*	62	51	0.02
	Oxford...	29.85	53	SW	3	o	29.84	-0.13	53	50	+3	SW	2	bc	*	bc.p	*	60	50	0.05
	Yarmouth...	29.88	55	W	2	cm	29.70	-0.08	55	52	+6	ESE	4	bc	3	c	*	56	48	0.06
	Cuxhaven...	29.62	48	W	2	r	29.56	+0.04	48	47	+2	S	4	r	*	r	*	52	45	0.28
	Berlin...	29.76	47	SW	3	o	29.76	+0.01	49	47	+1	W	3	c	*	o	*	54	46	0.12
	Wiesbaden...	29.82	50	SW	6	*	29.82	+0.03	50	48	0	SW	6	r	*	*	*	59	45	0.12
	Munich...	30.10	47	W	5	b	30.06	+0.03	48	45	0	SW	5	bc	*	b	*	55	41	0.04
	The Helder...	29.80	56	NE	5	c	29.59	-0.12	57	54	+7	WNW	5	c	5	c	*	57	48	0.39
SPAIN.	Brussels...	29.76	54	W	4	*	29.76	-0.12	56	54	+7	W	4	c	*	o	*	56	47	0.24
	C. Gris Nez...	30.11	55	W	2	bc	29.94	-0.08	55	54	+4	SW	3	r	0	bc	*	65	50	-
	Paris...	30.02	61	WSW	1	o	30.08	-0.13	60	59	+2	WSW	2	o	3	o	*	64	55	-
	Brest...	30.17	60	W	4	c	30.03	-0.14	60	60	+1	W	5	r	5	c	*	68	57	0.04
	Lorient...	30.16	63	WNW	4	bc	30.10	-0.08	63	59	+3	WNW	3	c	*	bc	*	68	55	-
	Rocheport...	30.16	66	W	4	bc	30.10	-0.08	63	59	+3	WNW	3	c	*	bc	*	73	50	-
	Belfort...	30.20	53	NE	6	r	30.15	-0.03	52	52	+4	SE	1	o	*	r	*	62	48	-
	Lyons...	29.86	63	E	2	c	30.12	-0.01	57	57	?	NE	?	?	*	?	*	75	57	-
	Nice...	30.18	63	NE	3	b	30.14	-0.04	57	52	+4	SSW	2	b	1	b	*	66	53	-
	Perpignan...	30.18	63	NE	3	b	30.14	-0.04	57	52	+4	SSW	2	b	1	b	*	66	53	-
PEN.	Corunna...	30.10	69	WNW	5	b	30.16	+0.04	70	58	+5	NE	2	b	*	b	*	77	63	-
	Lisbon...	30.28	68	NE	3	o	30.25	-0.07	67	64	-2	NE	3	c	3	o	*	73	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 recorded on the Tower of the Wesleyan Training College, Westminster

Bright Sunshine yesterday Southport 0.8 hrs.



# WEATHER CHARTS

FOR Monday, 25<sup>th</sup> September, 1899.

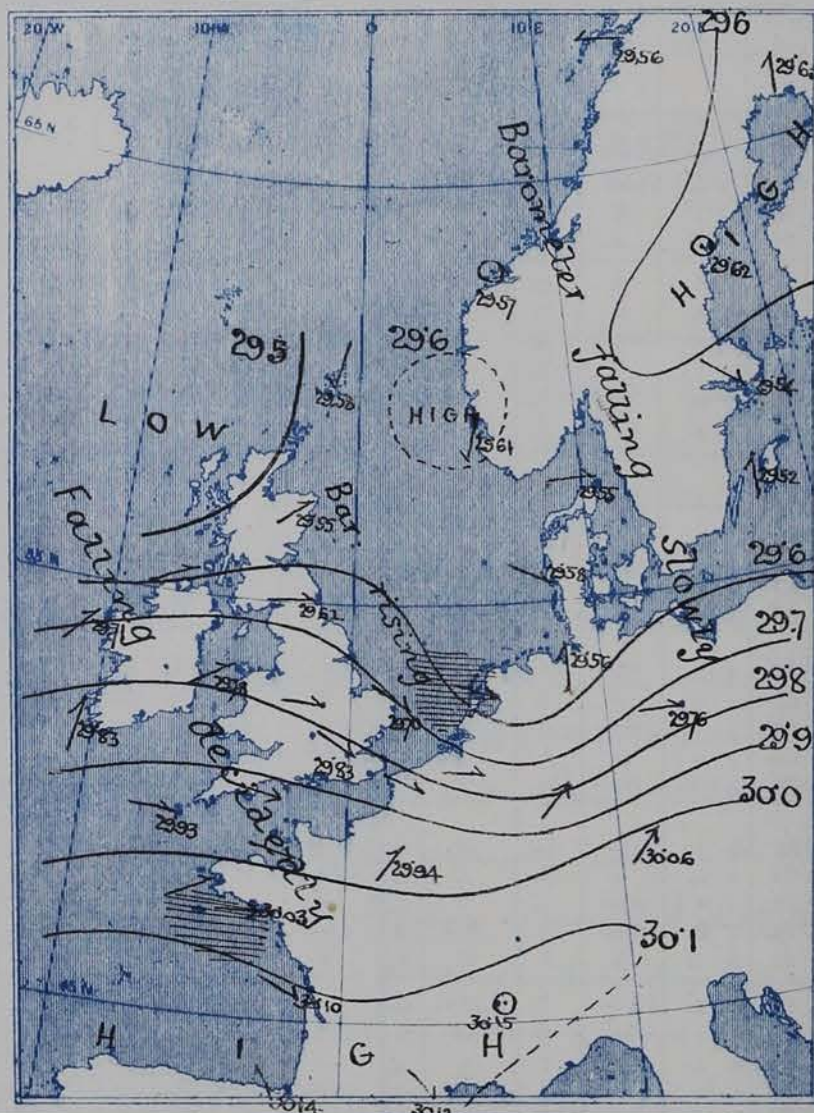
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : Calm ☉  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High

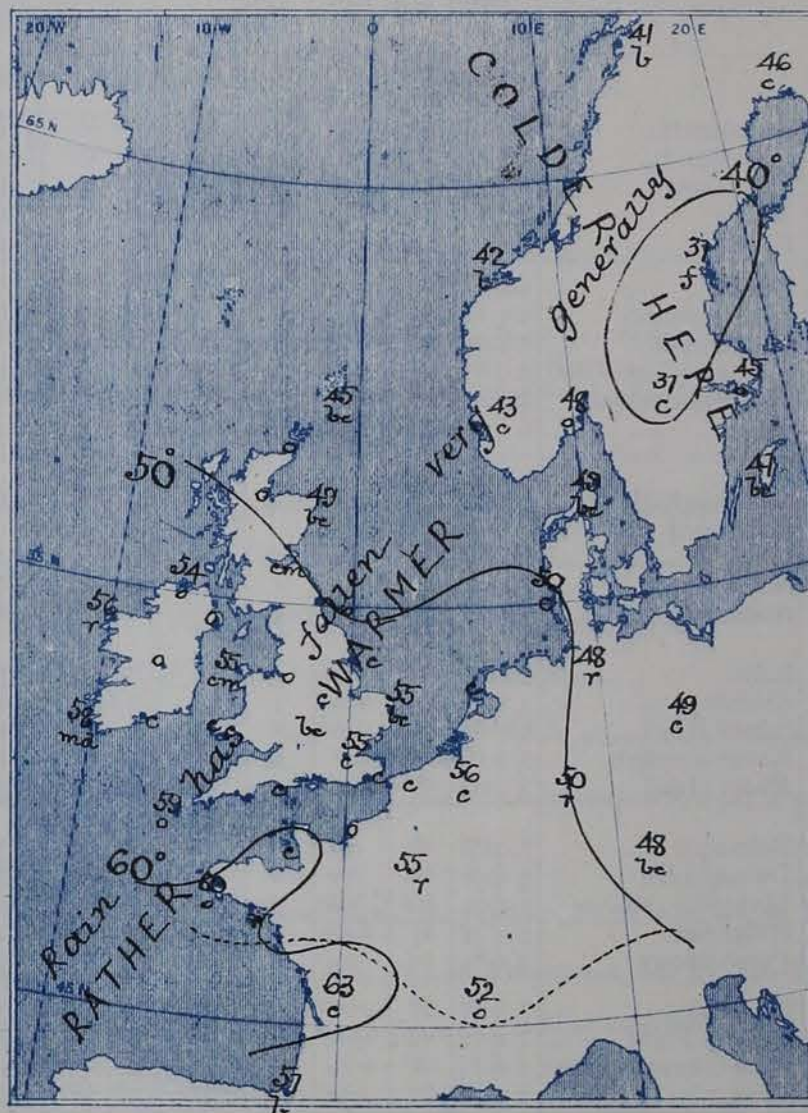


## TEMPERATURE AND WEATHER.

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. (Inches.)	TEMPERATURE OF AIR. 1871-95.						RAINFALL		BRIGHT SUNSHINE.	
		Means of				Absolute Extremes.		Means, 1866-95. (Inches.)		Means, 1881-95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum	Daily Minimum	Maximum.	Years.			Hours.	Per cent. of possible.
Sumburgh Head	29.793	50.8	49.1	55.0	46.1	68	1880	34	1887, 88	—	—
Stornoway	29.814	51.5	50.2	56.5	45.8	69	1880, 95	32	1871, 75, 85	103.3	27
Wick	29.831	52.0	50.1	57.8	45.7	74	1884, 91	29	1885, 87	—	—
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	124.2	33
Leith	29.887	53.3	50.8	62.0	47.5	81	1873, 91	33	1886	—	—
Shields	29.910	53.2	51.0	60.1	48.2	79	1895	34	1885, 89, 93	—	—
Spurn Head	29.947	55.6	53.8	60.7	52.5	75*	1895	38*	1892	1.88	—
York	29.948	52.9	51.0	63.2	47.5	83	1895	30	1885	118.4	32
Loughborough	29.971	53.6	51.9	65.4	47.6	86*	1891, 95	30*	1885, 94	—	—
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	—	—	—	—	—	—
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
Valencia	29.961	56.4	54.1	61.8	51.3	78	1895	37	1885	4.38	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	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
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+
Oxford	29.985	53.9	52.0	64.3	48.8	83	1880, 95	33	1885	2.43	141.0
Cambridge	29.979	54.6	52.9	66.0	47.9	88	1880	31	1885	2.13	144.2
Yarmouth	29.959	56.4	54.4	62.3	51.2	78	1880	33	1886	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 in: and more to 30.0 in: over the southern parts of France and the Bay of Biscay.  
 Lowest, 29.5 in: and less in two depressions - one over the south of Sweden the other approaching our western coast from the Atlantic.  
 Gradients moderate over Ireland, England, and the north of France, slight and irregular elsewhere.  
 Barometer rising a little at our eastern stations, falling fast in the west.

### TEMPERATURE

Highest, 63° to 60° in the west of France, 59° at Scilly, 58° at Valence, 57° at the Helder.  
 Lowest, 37° at Hovisand and Karlstad, 41° at Bodö, 45° at Lumburg Head, 49° at Aberdeen and Shields.  
 The maxima recorded yesterday ranged from 64° to 60° over many parts of Ireland and England, and touched 65° at Paris, 73° at Belfast. At Berlin the maximum was 54°.

### WIND

NW<sup>1</sup> to W<sup>1</sup> at our eastern stations, W<sup>1</sup> over England, but has backed to the S<sup>1</sup> in Ireland, and is increasing there after lulling at NW.

### WEATHER

Fair at our eastern and northeastern stations, but not looking settled. In the west it is again overcast and in the extreme west of Ireland rain is again falling.  
 Rain fell very generally yesterday, slightly in our Islands, but in considerable quantity on the Continent.  
 Bright Sunshine yesterday exceeded 10 hrs on some parts of our southeast coast.

### SEA

Moderate in the west, slight or smooth at our eastern stations.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new and apparently large depression is approaching Ireland, and all our western and northern coasts have been warned.

## FORECASTS

For the 24 hours ending at NOON on 26<sup>TH</sup> SEPT: 1899.

### DISTRICTS.

### FORECASTS.

- † 0 { SCOTLAND NORTH
- † 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

S<sup>1</sup> and SW<sup>1</sup> winds, increasing in force; becoming rainy and unsettled.

Wind backing from W. to SW., increasing; becoming showery again.

### DISTRICTS.

### FORECASTS.

- † 6 { SCOTLAND WEST
- † 7 { ENGLAND N.W.
- † 8 { ENGLAND S.W.
- † 9 { IRELAND NORTH
- † 10 { IRELAND SOUTH

Same as Nos 0 and 1.

S<sup>1</sup> and SW<sup>1</sup> breezes, fresh to a gale; rainy.

### WARNINGS

At 10.20 am today to districts 0, 1, and 6 to 10 "Hoist South Cone".

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.		WEA.		SEA.		BAR.	THER.		WIND.		WEA.		SEA.
		Dry.	Wet.	Dir.	Force.						Dry.	Wet.	Dir.	Force.			
Skudesnaes ...	29.61	55	49	N	0	6	2			Valencia ...							
Sumburgh Head										Scilly ...							
Stornoway ...	29.64	45	41	S	4	8	4			Jersey ...	30.13	63	55	WNW	5	6c	4
Aberdeen ...										Portland Bill ...							
Shields ...										Dungeness ...	29.98	61	54	WNW	5	6c	4
Malin Head ...	29.62	55	54	W	6	m	4			London							
Belmullet ...	29.84	59	54	WNW	5	0	*			(Westminster)							
Holyhead ...										Yarmouth ...							
										Rochefort ...	30.16	66	59	WNW	3	0	*

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

*Continental Information not received.*

### SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 17<sup>th</sup> TO THE 23<sup>rd</sup> SEPT: 1899.

During this week there has been a succession of depressions, appearing at first off our northern coasts, and subsequently moving either in an easterly direction over Norway or else in a southeasterly direction across the North Sea to Germany. In consequence there have been some days in which the wind over our Islands has been SW<sup>1</sup> or W<sup>1</sup> and the air mild and close; others on which dry NW<sup>7</sup> breezes have prevailed strong to a gale in force at the exposed stations, and accompanied by sharp passing showers.

The rainfall has frequently been very considerable in these Islands, and heavy in North Germany; at Cuthbert amount exceeding an inch were recorded on three consecutive days, and on two other days the measurements exceeded half an inch, and at the Hilder as well as on our northern coast the falls were heavy.

At the close of the week the centre of a new "swirl" lay between Scotland and the Shetlands, and the appearances pointed to an early renewal of cold squally northerly winds all over the Kingdom.

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

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

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

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

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# DAILY WEATHER REPORT

for 8 a.m. on Tuesday, 26<sup>th</sup> September, 1899.

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 57° and M.S.L.	Dry Bulb	Dir.	Force (0 to 12.)	Weather	At 82° Fahr. and M.S.L.	Change since Yester- day.	Dry Bulb	Wet Bulb	Change since Yester- day.	Dir.	Force (0 to 12.)	Weather	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	Max.	Min.	Rainfall.
	Ins.	°				Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.																			
Haparanda...	29.55	43	Z	0	0	29.62	-0.01	44	44	-2	Z	0	r	*	0	*	48	41	0.16
Hernösand...	29.57	40	Z	0	0	29.61	-0.01	39	38	+2	Z	0	f	*	0	*	52	30	-
Stockholm...	29.63	45	SSW	2	0	29.66	+0.12	50	48	+5	SE	4	o	*	0	*	52	43	-
Wisby...	29.69	45	WNW	4	0	29.67	+0.15	48	47	+1	S	4	r	*	0	*	52	39	0.08
Karlstad...	29.60	48	Z	0	0	29.53	-0.09	49	48	+12	S	6	o	*	0.1	*	*	*	-
Bodö...	29.50	44	Z	0	0	29.46	-0.10	44	41	+3	E	2	0	1	0	*	46	39	-
Christiansund...	29.49	42	Z	0	0	29.21	-0.36	44	40	+2	SE	3	0	2	0	*	48	39	-
Skudesnaes...	29.49	49	S	4	0	29.12	-0.49	53	50	+10	SSW	6	r	4	0	*	53	43	*
Færder (X'ania Fjord)	29.54	50	S	2	0	29.36	-0.19	53	49	+5	SSE	6	o	3	0	*	50	46	0.55
The Scaw (Skagen)	29.58	49	WSW	1	0	29.38	-0.17	53	51	+4	S	5	m	1	0	*	54	46	0.16
Fanö...	29.58	51	SW	4	0	29.34	-0.24	53	52	+3	S	6	r	*	0	*	61	50	-
Sumburgh Head...	29.24	47	ESE	4	r	28.85	-0.73	48	46	+3	WSW	4	0	6	0.1	*	50	43	0.56
Stornoway...	29.10	46	S	4	0	28.94	-0.57	47	43	-2	SW	3	0	2	0	*	51	40	0.03
Wick...	29.10	50	W	1	0	28.98	-0.54	46	42	-2	W	2	0	1	0	*	52	40	0.10
Nairn...	29.21	50	S	3	0	29.06	-0.49	44	41	-5	SSW	4	0	3	0.1	1.3	52	40	0.08
Aberdeen...	29.21	50	S	3	0	29.06	-0.49	44	41	-5	SSW	4	0	3	0.1	1.3	52	40	0.08
Leith...	29.25	53	WSW	3	r	29.15	-0.43	42	42	-10	WSW	2	r	*	0	*	56	41	0.20
Shields...	29.37	54	SSW	3	0	29.28	-0.34	48	46	-1	SW	3	0	2	0.1	*	57	46	0.02
Spurn Head...	29.55	55	SSW	5	r	29.43	-0.24	52	49	-1	SW	6	0	6	0	*	58	46	0.06
Loughborough...	29.57	57	SW	3	0	29.51	-0.26	51	47	-2	SW	5	0	*	0.1	*	60	46	0.09
Malin Head...	29.33	53	W	7	0	29.00	-0.60	50	47	-4	WSW	6	0	4	0.1	*	59	46	0.28
Belmullet...	29.45	56	W	5	0	29.21	-0.47	47	46	-5	SW	5	0	4	0	*	59	43	0.19
Donaghadee...	29.48	59	SW	4	0	29.40	-0.34	51	48	-3	SW	3	0	5	0	*	59	49	0.22
Liverpool (Bidston)	29.50	58	WSW	4	0	29.39	-0.39	53	52	-2	WSW	7	0	5	0	*	58	50	0.11
Holyhead...	29.51	54	W	1	0	29.47	-0.29	49	47	-5	W	1	0	*	0.1	1.3	61	46	0.31
Parsonstown...	29.51	54	W	1	0	29.47	-0.29	49	47	-5	W	1	0	*	0.1	1.3	61	46	0.31
Valencia...	29.73	58	WNW	5	0	29.59	-0.24	56	51	-2	W	7	0	6	0	1.9	62	51	0.12
Roche's Point...	29.65	60	NW	6	0	29.58	-0.26	53	51	-2	WNW	5	0	4	0	*	63	49	0.15
Pembroke (St. Ann's Hd.)	29.64	57	W	6	0	29.54	-0.32	54	51	-3	W	7	0	5	0	1.7	58	51	0.08
Scilly...	29.77	62	WSW	5	0	29.72	-0.21	57	54	-2	W	7	0	3	0	3.3	66	54	0.11
Jersey (St. Aubin's)	29.86	62	WSW	5	0	29.77	-0.17	57	53	-4	W	4	0	3	0	*	65	56	0.04
Portland Bill...	29.76	60	W	6	0	29.69	-0.20	57	54	-3	WNW	5	0	4	0	*	62	55	0.01
Dungeness...	29.71	60	WSW	5	0	29.66	-0.16	55	53	-4	W	4	0	3	0	*	65	51	0.08
London (Brixton)	29.68	59	WSW	2	0	29.63	-0.20	54	50	-4	W	3	0	*	0	4.6	68	48	0.01
Oxford...	29.60	58	SW	3	r	29.59	-0.25	52	49	-3	SSW	1	0	*	0	*	65	46	0.01
Yarmouth...	29.64	58	SW	2	0	29.53	-0.17	54	50	-4	WSW	4	0	3	0	*	59	46	0.01
Cuxhaven...	29.63	52	SE	1	0	29.45	-0.11	52	51	+4	S	6	0	*	0	*	52	46	0.08
Berlin...	29.73	49	Z	0	0	29.71	-0.05	50	49	+1	SSW	3	0	*	0	*	52	46	0.20
Wiesbaden...	30.02	53	W	6	0	29.75	-0.07	57	55	+7	SW	4	0	*	0	*	61	?	0.08
Munich...	30.02	53	W	6	0	29.97	-0.09	53	50	+5	SW	4	0	*	0	*	55	48	0.04
The Helder...	29.66	57	WSW	2	0	29.58	-0.09	56	50	-1	WNW	4	0	4	0	*	59	55	-
Brussels...	29.65	58	W	6	0	29.65	-0.11	58	54	+2	SW	4	0	*	0	*	63	55	0.04
C. Gris Nez...	29.70	59	W	6	0	29.67	-0.15	55	50	-5	NW	5	0	5	0	*	63	54	0.47
Paris...	29.89	64	SW	3	0	29.79	-0.15	59	57	+4	WNW	4	0	*	0	*	71	55	-
Brest...	29.93	62	SW	3	0	29.81	-0.27	59	55	-4	WNW	3	0	3	0	*	66	54	0.08
Lorient...	29.94	62	W	5	0	29.86	-0.17	59	57	-2	WNW	5	0	5	0	*	66	57	0.08
Rocheport...	30.08	64	WNW	4	0	29.90	-0.20	64	64	+1	W	3	0	*	0	*	70	59	0.20
Belfort...	29.98	54	W	6	0	29.91	-0.13	54	51	+5	W	1	0	*	0	*	57	49	-
Lyons...	30.08	62	Z	0	0	30.01	-0.14	52	49	-3	SE	1	0	*	0	*	69	46	-
Nice...	29.97	63	Z	0	0	29.95	-0.02	61	54	-7	E	5	0	1	0	*	75	54	-
Perpignan...	30.03	67	NW	2	0	30.06	-0.09	52	49	-3	W	2	0	*	0	*	77	49	-
Biarritz...	30.10	65	WNW	3	0	30.01	-0.13	60	53	+7	S	3	0	2	0	*	70	57	-
SPAN. PEN.																			
Corunna...																			
Lisbon...																			
Azores (P. Delgada)	30.28	67	NE	3	0	30.29	+0.04	68	65	+3	NE	3	0	3	0	*	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 recorded on the Tower of the Wesleyan Training College Westminster

Bright Sunshine yesterday Southport 0.9 hrs.



# WEATHER CHARTS

FOR Tuesday, 26<sup>th</sup> September, 1899.

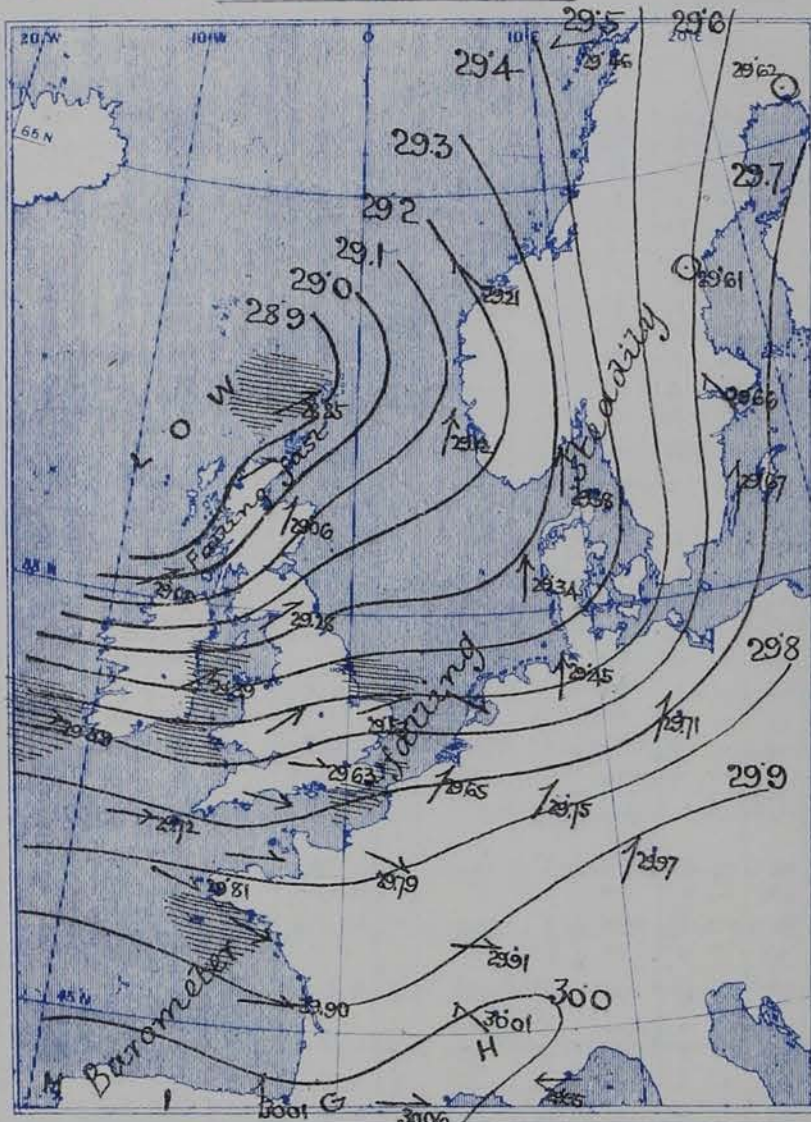
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ○  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High :

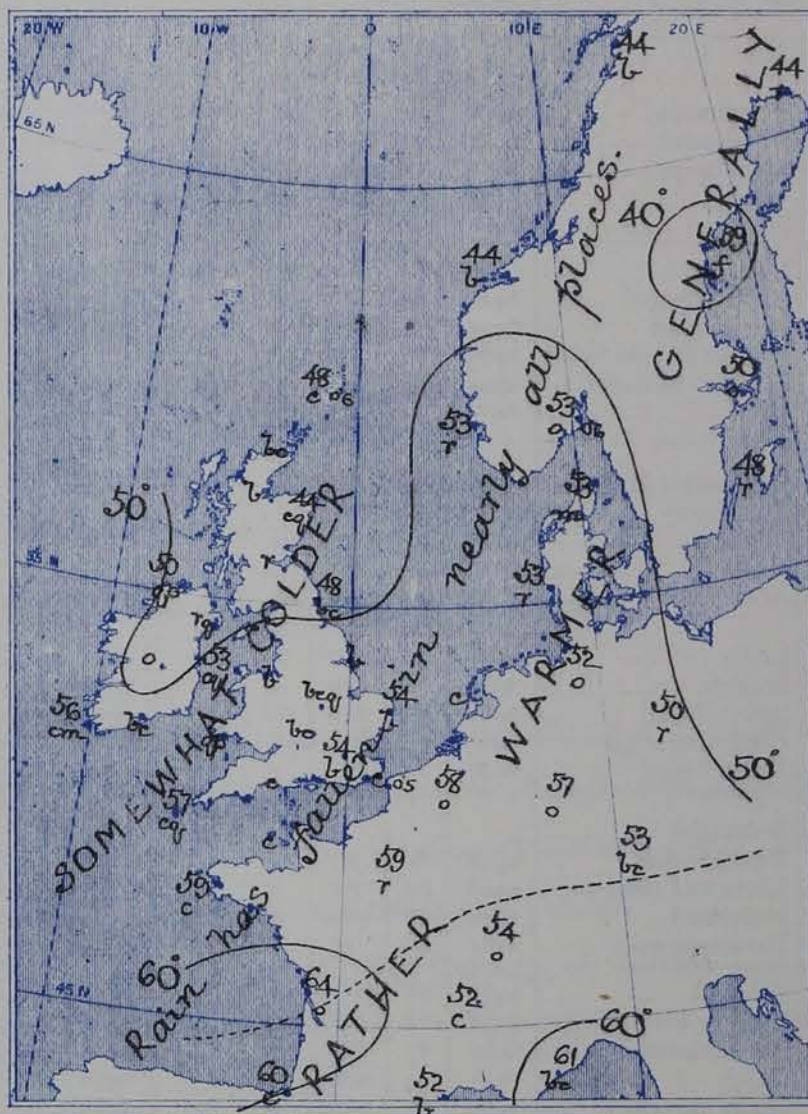


## TEMPERATURE AND WEATHER.

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. (Inches.)	TEMPERATURE OF AIR. 1871-95.						RAINFALL		BRIGHT SUNSHINE.	
		Means of				Absolute Extremes.		Means, 1866-95. (Inches.)	Hours.	Means, 1881-95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum	Daily Minimum	Maximum	Minimum			Per cent. of possible.	
Sumburgh Head	29.793	50.8	49.1	55.0	46.1	68	34	1880, 95	103.3	27	
Stornoway	29.814	51.5	50.2	56.5	45.8	69	32	1884, 91	—	—	
Wick	29.831	52.0	50.1	57.8	45.7	74	29	1895	—	—	
Nairn	29.843	51.5	49.1	59.5	46.2	77	25	1891	—	—	
Aberdeen	29.863	52.3	49.8	59.3	46.6	79	30	1886	124.2	33	
Leith	29.887	53.3	50.8	62.0	47.5	81	33	1885, 89, 93	—	—	
Shields	29.910	53.2	51.0	60.1	48.2	79	34	1895	—	—	
Spurn Head	29.947	55.6	53.8	60.7	52.5	75*	38*	1895	—	—	
York	29.948	52.9	51.0	63.2	47.5	83	30	1895	118.4	32	
Loughborough	29.971	53.6	51.9	65.4	47.6	86*	30*	1891, 95	—	—	
Ardrossan	29.892	53.7	51.6	59.7	49.4	78	32	1880	—	—	
Malin Head	29.869	53.5	51.1	58.4	51.1	—	—	—	—	—	
Belmullet	29.904	55.1	52.7	59.6	51.6	—	—	—	—	—	
Donaghadee	29.916	53.6	52.4	60.0	49.4	71	36	1882, 94	—	—	
Holyhead	29.941	55.8	53.6	60.8	52.5	78	43	1873, 85	—	—	
Liverpool	29.947	54.7	52.0	61.5	50.9	82	39	1885	—	—	
Farsonstown	29.948	52.8	50.9	61.7	47.2	79	30	1885	124.7	33	
Valencia	29.961	56.4	54.1	61.8	51.3	78	37	1885	130.4	35	
Roche's Point	29.963	55.6	53.4	61.7	51.0	74	39	1893	—	—	
Pembroke	29.962	56.2	54.0	60.3	53.1	74	40	1885	146.5	39	
Scilly	29.982	58.5	56.4	62.0	54.8	72	44	1880, 93, 95	—	—	
Prawle Point	30.004	57.2	55.3	62.5	52.3	76*	36*	1889	—	—	
Jersey	30.003	60.2	57.2	65.8	54.9	86	41	1895	183.4	49	
Hurst Castle	30.002	57.3	55.7	64.6	52.3	77	35	1885	—	—	
Dover	29.981	57.9	55.5	63.7	53.2	77	32	1880	—	—	
LONDON	29.991	55.8	53.4	66.5	49.6	87	30	1880	111.5†	30†	
Oxford	29.985	53.9	52.0	64.3	48.8	83	33	1880, 95	141.0	38	
Cambridge	29.979	54.6	52.9	66.0	47.9	88	31	1885	144.2	39	
Yarmouth	29.959	56.4	54.4	62.3	51.2	78	33	1880	—	—	

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

† The Sunshine values are for Westminster.



## GENERAL SITUATION AT 8 A.M.

### PRESSURE

*Highest* (1) 30.0 ins. and more over Spain and the S. of France; (2) 29.7 ins. and more over the W. Baltic and Gulf of Finland.  
*Lowest* 28.9 ins. and less in a complex depression off the W. and N. of Scotland.  
*Gradients* steep over our Islands, especially in the NW.  
*Barometer* inclined to rise a little at Valencia (Ireland), but falling elsewhere, most in the NW.

### TEMPERATURE

*Highest* 64° to 59° in the W. of France, 57° to 55° on the S. coast of England, 56° at Valencia.  
*Lowest* 44° over the N. parts of Scandinavia and at Aberdeen, 42° at Leith, 46° at Ayr.  
 The maximum readings recorded yesterday were as high as 66° at Seilly, 68° in London, 71° at Paris, and 75° at Nice.

### WIND

S. <sup>ly</sup>, strong, over the North Sea, S.W. <sup>ly</sup> over Gt. Britain, W. <sup>ly</sup>, very strong, on our western coasts, fresh over France.

### WEATHER

Very changeable, dull squally and showery in many places, and the unsettled tendency was increasing.  
 Small quantities of rain fell in all parts of the British Isles and their neighbourhood yesterday. Bright Sunshine yesterday amounted to more than 5 hrs. on our S.E. coast; yesterday, and to 4.6 hrs. in London; over the W. and N. parts of the Kingdom there was hardly any.

### SEA

Rough in the N. and W., moderate in the S.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Rough showery weather is probable, especially in the NW. districts.

## FORECASTS

For the 24 hours ending at NOON on 27<sup>TH</sup> SEPTEMBER 1899.

#### DISTRICTS.

#### FORECASTS.

#### DISTRICTS.

#### FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

S.W. and W. winds, strong to a gale; squally, showery.



S.W. and W. winds, strong, showery.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

W. and S.W. winds, strong to a gale; squally, showery.

#### WARNINGS

The South Cone is still flying in districts 0, 1 and 6 to 10.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.		WEA. SEA.			BAR.	THER.		WIND.		WEA. SEA.	
		Dry.	Wet.	Dir.	Force.					Dry.	Wet.	Dir.	Force.		
Skudesnaes ...	29.58	52	45	W	4	0	2	Valencia ...	29.73	61	59	W	6	bc	5
Sumburgh Head	29.43	48	45	ESE	3	0	3	Scilly ...	29.83	65	62	SW	5	c	3
Stornoway ...	29.28	51	49	SW	3	7	3	Jersey ...	29.93	63	56	WSW	4	0	4
Aberdeen ...	29.41	51	49	SSW	3	org	3	Portland Bill ...	29.84	62	58	W	5	bc	5
Shields ...	29.54	56	53	SSW	2	0	2	Dungeness ...	29.78	64	60	WSW	6	bc	5
Malin Head ...	29.31	52	51	WNW	6	0	4	London							
Belmullet ...								(Westminster)	29.75	67	58	WSW	3	0	*
Holyhead ...	29.60	56	54	SW	5	omp	4	Yarmouth ...	29.70	59	54	N	3	c	3
								Rocheport ...	30.08	68	61	WN	4	0	*

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

*Weather in morning fine over Spain, fair and mild over France and the SE. of England, unsettled over the Netherlands, and also in Ireland, where rain was already falling. Rain later in small quantities all over our Islands and their neighbourhood, and air becoming milder and softer.*

*Temperature risen generally over W. Europe. Morning readings highest (1) 70° at Algiers and Lisbon, 63° to 60° in the W. of France, 61° at Jersey, 59° at Scilly, and exceeding 57° all along our S. coasts. Lowest (1) 43° at Warsaw, and 47° to 49° over the NE. of Germany; (2) 37° at Hemsö and Karlstad, 41° to 42° in the NW. of Norway, 45° at Sumburgh H., 49° at Aberdeen. Rising later to 60° at Loughborough, 68° in London, 71° at Paris, 75° at Nice.*

*Wind very variable. (1) Light over Spain the southern parts of France and southeastern Europe; (2) stronger over the northern countries and mainly W. to NW. over England, SW. over the north and northwest of Germany, S. over the Baltic; but SW. in Ireland and inclined to fresher. Veering again in the latter region later, but becoming very strong on our northwest coasts, while an E. breeze set in at Sumburgh H.*

*Barometer Highest (1) 30.2 ins. and more to 30.1 ins. over Spain and the SW. of France; (2) 30.1 ins. and more over the SE. of Russia. Lowest 29.5 ins. and less over the NW. of Scotland, and below 29.6 ins. over the North Sea and Norway generally; as well as Denmark and the S. of Sweden. Deep depression approaching Scotland later and weather over our Islands unsettled, with a tendency to become still more so.*

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

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

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

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

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# DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 27<sup>th</sup> September, 1899.

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	Sea (0 to 9.)	BAROMETER.		TEMPERATURE.			WIND.		Weather	Sea (0 to 9.)	Weather	Hours of Bright Sun- shine.	TEMP.		Rainfall.
	At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)			At 32° Fahr. and M.S.L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)					Max.	Min.	
	Ins.	°					Ins.	Ins.	°	°	°									Ins.
SCANDINAVIA.	Haparanda...	29.76	46	2	0	b	29.65	+0.3	48	47	+4	SE	4	0	*	b	*	50	41	0.24
	Hernösand...	29.50	50	S	4	r	29.41	-2.0	49	48	+10	S	2	bc	*	r	*	50	30	0.24
	Stockholm...	29.54	51	S	4	r	29.32	-1.4	50	49	0	S	2	b	*	r	*	54	41	0.20
	Wisby...	29.54	53	S	4	r	29.57	-1.0	50	50	+2	SSW	2	0	*	r	*	54	41	0.12
	Karlstad...	29.86	50	S	2	0	29.35	-1.8	49	48	0	SE	6	c	*	0	*	*	*	0.20
	Bodo...	29.41	46	E	2	b	29.30	-1.6	50	45	+6	E	4	0	1	b	*	50	41	-
	Christiansund...	29.08	49	2	0	r	29.02	-1.9	48	46	+4	SE	1	bc	2	r	*	54	43	0.12
	Skudesnaes...	29.07	50	S	6	0	28.95	-1.7	52	48	-1	SSW	8	+	5	c.0	*	55	45	0.51
	Færder (X'ania Fjord)	29.27	53	SSW	6	b	29.21	-1.5	53	49	0	S	6	0	4	b	*	55	50	0.51
	The Scaw (Skagen)	29.35	52	SW	4	bc	29.29	-0.9	52	50	-1	SW	6	c	2	bc	*	55	50	0.20
BRITISH ISLANDS.	Fanø...	29.36	48	WSW	4	b	29.37	+0.3	54	51	+1	SW	6	c	*	tlhp	*	59	46	0.55
	Sumburgh Head...	28.88	46	ESE	1	b	28.95	+1.0	47	45	-1	NW	3	r	4	c.b	*	52	41	0.03
	Stornoway...	28.69	46	W	1	0	29.10	+1.6	50	48	+3	NW	3	0	2	o.l	*	50	39	0.40
	Wick...	28.89	50	W	4	0	29.16	+1.8	44	44	-1	W	2	r	1	0	*	53	43	0.13
	Nairn...	28.87	48	SW	3	cq	29.16	+1.0	49	45	+5	W	5	cq	3	cq.p.c	3.2	53	44	0.04
	Leith...	29.00	50	W	3	bc	29.25	+1.0	48	45	+6	WSW	4	c	*	bc	*	54	40	0.35
	Shields...	29.13	52	SW	4	bc	29.28	0.0	48	46	0	SW	3	0	2	c.p.bc	*	57	46	0.06
	Spurn Head...	29.13	55	WSW	6	bc	29.13	0.0	50	47	-2	SW	5	bc	9	bc	*	59	48	0.02
	Loughborough...	29.42	53	WSW	6	c	29.48	-0.3	49	45	-2	SSW	3	3w	3	bc.q.p.b	*	61	46	0.01
	Malin Head...	29.18	51	WNW	5	bc	29.30	+3.0	47	46	-3	WSW	4	cp	3	cq.p.bc	*	54	47	0.36
FRANCE & NETHERLANDS.	Belmullet...	29.23	52	WNW	5	bcq.p	29.33	+1.2	46	44	-1	WSW	2	cm	3	bcq.p	*	56	44	0.11
	Donaghadee...	29.36	52	WSW	6	bc	29.41	+0.1	49	47	-2	SSW	2	c	4	p.bc	*	57	47	0.05
	Liverpool (Bidston)	29.40	54	WSW	7	bc	29.40	+0.1	49	46	-4	WSW	3	c	3	bc	*	57	46	-
	Holyhead...	29.47	51	W	2	b	29.42	-0.5	45	44	-4	SW	1	0	*	p.b	8.0	57	41	0.09
	Parsonstown...	29.62	54	WSW	6	cq	29.46	-1.3	52	47	-4	W	4	c	5	q.p.cq	3.0	57	47	0.36
	Valencia...	29.59	55	WNW	5	c	29.47	-1.1	50	48	-3	W	3	b	3	c	*	59	48	-
	Roche's Point...	29.53	56	WNW	6	bc	29.45	-0.9	52	50	-2	W	4	cp	4	bc	4.7	58	50	0.08
	Pembroke (St. Ann's Hd.)	29.68	56	W	5	c	29.54	-1.8	56	54	-1	W	6	c	5	cq	5.3	60	53	0.41
	Scilly...	29.74	60	WSW	6	cq.p	29.69	-0.8	59	55	+2	SW	5	amp	4	cp.lq	*	63	54	0.26
	Jersey (St. Aubin's)	29.61	56	WNW	8	oq	29.59	-1.0	54	53	-3	WSW	5	r	4	cq.oq	*	62	52	0.10
GERMANY.	Portland Bill...	29.55	60	W	7	cq	29.62	-0.4	55	52	0	W	4	c	3	cq.kl	*	60	51	0.06
	Dungeness...	29.53	55	W	3	0	29.58	-0.5	54	50	0	SW	2	0	*	c.o.l.b	5.2	63	47	-
	London (Brixton)	29.52	52	SW	3	c	29.54	-0.5	51	48	-1	SSW	1	b	*	c.l	*	61	47	0.06
	Oxford...	29.42	55	WSW	4	bc	29.52	-0.1	52	49	-2	SW	4	b	4	bcq.p	*	60	46	0.06
	Yarmouth...	29.51	54	SW	3	c	29.50	+0.5	50	48	-2	SSW	5	bc	*	c	*	57	46	0.08
	Cuxhaven...	29.66	57	SW	3	r	29.72	+0.1	53	52	+3	SW	3	c	*	r	*	63	50	0.16
	Berlin...	29.82	56	2	0	r	30.03	+0.6	55	54	+2	SW	4	0	*	r	*	64	53	0.08
	Wiesbaden...	29.92	56	2	0	r	30.03	+0.6	55	54	+2	SW	4	0	*	r	*	64	53	0.08
	Munich...	29.48	56	WSW	5	b	29.48	-0.2	56	52	0	WSW	4	bc	4	bc.t	*	59	55	0.04
	The Helder...	29.60	56	W	8	r	29.73	+0.8	50	49	-8	SW	4	r	*	r	*	62	46	0.35
SPAIN.	Brussels...	29.78	60	WSW	3	0	29.62	-0.5	55	54	0	WNW	5	0	5	0	*	61	50	0.24
	C. Gris Nez...	29.81	58	WNW	4	c	29.85	+0.6	52	50	-7	SSW	2	c	*	0	*	68	50	0.48
	Paris...	29.81	58	WNW	4	c	29.70	-1.1	58	57	-1	SW	5	r	4	c	*	61	54	-
	Brest...	29.87	60	W	5	c	29.79	-0.7	59	56	0	WSW	5	c	5	c	*	68	55	-
	Lorient...	29.91	64	WNW	4	c	29.94	+0.4	63	59	-1	SW	4	0	*	o.c	*	68	59	-
	Rochefort...	29.83	58	SW	6	r	29.95	+0.4	53	51	-1	WSW	6	c	*	r	*	58	53	0.24
	Belfort...	29.94	63	SSW	1	r	30.02	+0.1	57	54	+5	E	1	0	*	r	*	76	52	0.08
	Lyons...	29.96	62	E	2	c	30.00	+0.5	58	54	-3	E	2	c	1	c	*	73	54	-
	Nice...	29.97	66	2	0	b	30.05	-0.1	63	60	+11	W	2	b	*	b	*	78	52	-
	Perpignan...	29.99	68	W	4	0	30.07	+0.6	62	59	+2	S	3	0	3	0	*	70	59	0.12
PEN.	Corunna...	30.10	65	N	5	b	30.11	-0.1	63	56	-4	N	4	b	*	b	*	75	61	-
	Lisbon...	30.31	68	E	1	c	30.29	0.0	67	67	-1	NNE	3	0	2	c	*	75	64	-
Azores (P. Delgada)		30.31	68	E	1	c	30.29	0.0	67	67	-1	NNE	3	0	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 recorded on the Tower of the Wesleyan Training College, Westminster

Bright Sunshine yesterday Southport 5.7 hrs.



# WEATHER CHARTS

FOR Wednesday, 27<sup>th</sup> September, 1899.

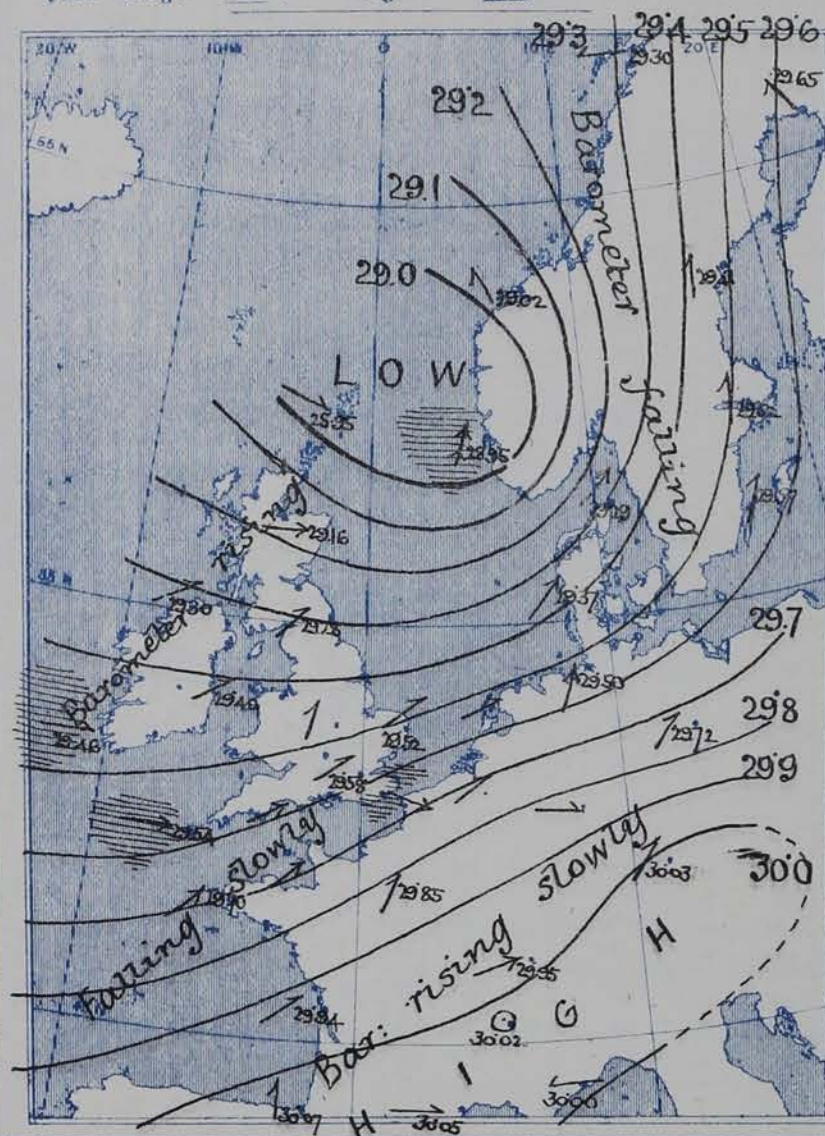
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ⊙  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High :

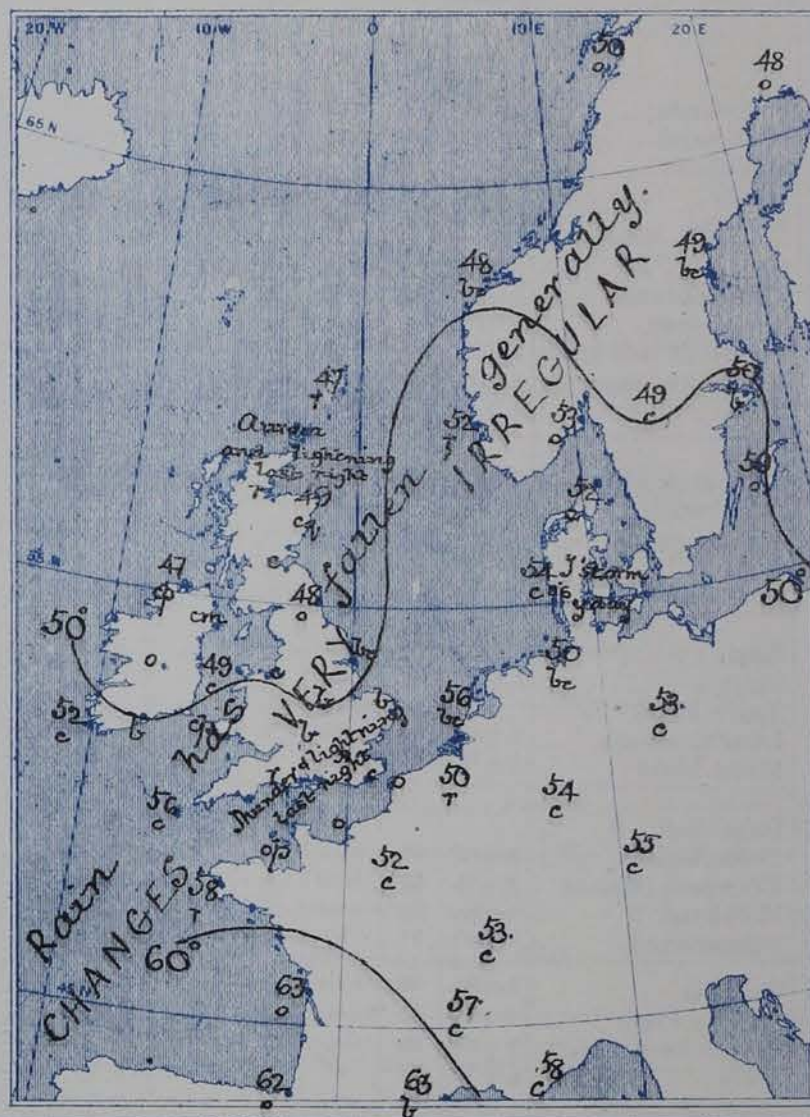


## TEMPERATURE AND WEATHER.

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. (Inches.)	TEMPERATURE OF AIR, 1871-95.								RAINFALL Means, 1866-95. (Inches.)	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
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	—	—
Farsonstown	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	1890, 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	51.2	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 in: and more over Spain, the southwestern and southern parts of France and over Switzerland.  
 Lowest, 29.0 in: and less, in a depression the centre of which lies between the Shetland Islands and the coast of Norway.  
 Gradients moderate over our Islands and decreasing.  
 Barometer falling at all our southern stations, rising in the north.

### TEMPERATURE

Highest, 62° or 63° in the southwest of France, 54° to 56° on the south coast of England, 52° to 50° in the south of Ireland.  
 Lowest, 45° at Nain and Parsonstown, 46° at Bangoradee, 47° at Malin Head, 48° at Thirls and Leith.  
 The maximum readings recorded yesterday touched 60° over England, 68° at Paris, 76° at Lyons, 78° at Perpignan.

### WIND

(1) SW, strong, over the Channel and the North Sea, S to E<sup>ly</sup> over Scandinavia.  
 (2) W<sup>ly</sup> over Scotland and France and inclined to veer to W. or NW.

### WEATHER

Very cloudy, with rain in places over England and France, clearer and drier over Scotland and Ireland.  
 A little rain has fallen very generally, lightning has been seen over the central and southern part of England; thunder occurred at Dumfries and on the eastern shores of the North Sea.  
 Bright Sunshine recorded yesterday amounted to 6 hrs at Brighton and Harkings, 5 hrs at Pembroke and in London, 3 hrs at Aberdeen. [Stormy rain interrupted]

### SEA

Still rough in the far west, moderate in the Channel

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A shift of wind to NW. or N. is probable in most places, with drier, colder weather.

## FORECASTS

For the 24 hours ending at NOON on 28<sup>th</sup> SEPT<sup>r</sup> 1899.

#### DISTRICTS.

#### FORECASTS.

0	{ SCOTLAND NORTH	} NW <sup>ly</sup> winds, much colder, but drier
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	
3	{ ENGLAND EAST	} SW <sup>ly</sup> winds, fresh, showery - then veering to NW, colder, drier.
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	



#### DISTRICTS.

#### FORECASTS.

6	{ SCOTLAND WEST	} Same as Nos 0 to 2.
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.		WIND.		WEA.	SEA.		BAR.	THER.		WIND.		WEA.	SEA.
		Dry.	Wet.	Dir.	Force.					Dry.	Wet.	Dir.	Force.		
Skudesnaes ...	29.17	55	49	SSW	6	C	H	Valencia ...	29.62	52	48	SSW	6	cgph	6
Sumburgh Head	28.89	50	47	S	4	C	5	Scilly ...	29.69	58	57	W	7	cg	H
Stornoway ...	28.81	50	49	NW	8	r	8	Jersey ...	29.76	61	55	SSW	7	C	H
Aberdeen ...	28.93	51	45	SW	5	cg	5	Portland Bill ...	29.63	62	57	W	7	cg	5
Shields ...	29.13	52	49	SSW	4	cp	2	Dungeness ...	29.56	61	59	W	6	cg	5
Malin Head ...	29.10	51	50	WtW	7	C	6	London	29.52	63	53	W	3	bc	H
Belmullet ...								(Westminster)							
Holyhead ...	29.37	57	52	W	7	bc	5	Yarmouth ...	29.44	60	53	SSW	5	bc	H
								Rocheport ...	29.90	66	63	W	3	O	*

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

Weather in morning rough and unsettled over our Islands and their neighbourhood, dull and rainy in many places, but mild; finer over France and southern Europe. Rain falling generally, but not heavily, later, lightning seen over central and southern England, and thunderstorms occurring over the eastern part of the North Sea.

Temperature decreasing over our Islands and northwestern Europe. Morning readings highest 73° at Algiers, 72° at Brindisi and San Fernando, 59° in the west of France, 57° on the southwest coast of England. Lowest 44° in Lapland, 43° to 49° over northern Europe generally, 44° to 48° in Scotland. Rising later to 53° in the north of the British Isles, 60° in the south, 63° at Berlin, 68° at Paris, 78° at L'Epagnan.

Wind light and very variable over the southern, southern, and southeastern parts of Europe, strong and cyclonic in the northwest, W<sup>3</sup> in Ireland, S<sup>3</sup> over the countries lying to the eastward of the North Sea, SE<sup>3</sup> to E<sup>1</sup> over northern Europe. A moderate gale reported at some of our western stations.

Barometer highest (1) 30.1 ins. to 29.9 ins. over most of the countries in southern Europe. Lowest 28.9 ins. and less, in a complete depression over the northwest and north of Scotland, and below 29.3 ins. in a secondary over the North Sea. Depression in north moving northwards later, and beginning to fill up, but barometer falling at our southern stations.

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

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

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

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

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" Weekly " " £1 10 0 "



# DAILY WEATHER REPORT

for 8 a.m. on Thursday, 28<sup>th</sup> September, 1899.

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.		Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.			Rainfall.	
		At 32° and M.S.L.	Dry Bulb	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather	Max.				Min.				
																				Ins.	°		Ins.
SCANDINAVIA.	Haparanda...	29.52	46	SE	2	0	29.55	- 10.	49	49	+ 1	SSW	2	0	*	0	*	50	45	0.16			
	Hernösand...	29.44	49	Z	0	0	29.58	+ 17	49	47	0	S	6	b	*	0	*	52	45	-			
	Stockholm...	29.62	50	SSW	4	b	29.69	+ 17	53	52	+ 3	S	6	*	*	b	*	57	45	0.16			
	Wisby...	29.75	52	WSW	6	0	29.76	+ 19	54	52	+ 4	SSW	4	T	*	0	*	55	46	0.04			
	Karlstad...	29.51	50	SSW	6	0	29.46	+ 11	52	50	+ 3	SSW	8	T	*	0	*	55	46	0.47			
	Bodo...	29.26	49	E	4	b	29.32	+ 02	50	45	0	E	2	b	1	b	*	54	43	-			
	Christiansund...	29.06	50	NW	3	0	29.31	+ 29	46	44	- 2	Z	0	c	2	0	*	55	45	0.04			
	Skudesnaes...	29.35	52	WSW	6	0	29.17	+ 22	50	46	- 2	S	4	c	3	1.0	*	53	48	-			
	Færder (X'iania Fjord)	29.40	54	SW	6	b	29.44	+ 23	49	48	- 4	NE	1	0	4	b	*	55	48	0.24			
	The Scaw (Skagen)	29.52	51	SW	4	b	29.46	+ 17	51	49	- 1	WSW	4	bc	1	b	*	55	50	0.20			
BRITISH ISLANDS.	Fanø...	29.53	51	SW	4	c	29.54	+ 17	53	51	- 1	WSW	4	c	*	cp	*	59	50	0.63			
	Sumburgh Head...	29.17	47	NW	2	c	29.43	+ 28	46	43	- 1	NW	3	bc	4	c	*	53	43	0.18			
	Stornoway...	29.32	45	NW	3	0	29.52	+ 42	46	44	- 4	NW	2	bc	1	0	*	51	35	0.20			
	Wick...	29.40	45	W	1	bc	29.56	+ 40	42	40	- 3	W	1	b	1	bc	*	51	38	0.04			
	Nairn...	29.36	46	WNW	3	c	29.57	+ 41	46	42	- 3	W	3	bc	2	cp, bc	1.3	54	38	-			
	Leith...	29.37	49	WSW	2	T	29.60	+ 35	43	40	- 5	WNW	1	m	*	T	*	59	38	0.24			
	Shields...	29.35	50	SW	2	bc	29.58	+ 30	42	41	- 6	W	3	bc	2	c, bc	*	57	40	0.06			
	Spurn Head...	29.40	51	SSE	3	T	29.59	?	47	45	- 3	NW	4	b	2	T	*	57	45	0.05			
	Loughborough...	29.45	47	SW	1	bc	29.65	+ 17	39	39	- 10	ESE	1	bc	*	cp, bc	*	58	36	0.12			
	Malin Head...	29.43	51	N	4	b	29.60	+ 30	49	47	+ 2	SSW	3	bc	2	cp, bc	*	51	47	-			
FRANCE & NETHERLANDS.	Belmullet...	29.43	51	N	2	cp	29.64	+ 31	43	43	- 3	W	3	bc	2	cp	*	55	42	0.06			
	Donaghadee...	29.43	46	Z	0	p	29.64	+ 23	48	46	- 1	NW	1	b	2	p	*	53	44	0.30			
	Liverpool (Bids.)...	29.41	51	W	3	c	29.65	+ 25	48	45	- 1	NNE	3	cp	2	c	*	56	45	0.15			
	Parsonstown...	29.49	46	NW	1	0	29.71	+ 29	41	40	- 4	SE	1	b	*	c, OT	2.4	54	37	0.10			
	Valencia...	29.58	50	N	2	cp	29.78	+ 32	52	46	0	WNW	5	cp	5	cp	2.5	54	39	0.34			
	Roche's Point...	29.51	52	NW	4	bc	29.75	+ 28	50	47	0	WNW	4	bc	4	cp, bc	*	55	43	0.02			
	Pembroke (St. Ann's Hd.)	29.49	54	W	4	c	29.70	+ 25	52	48	0	WNW	4	b	4	c	4.2	56	47	0.12			
	Scilly...	29.53	54	W	4	cp	29.75	+ 21	54	51	- 2	WNW	5	c	3	cp, cp	7.4	61	50	0.07			
	Jersey (St. Aubin's)	29.60	58	W	4	c	29.71	+ 02	55	48	- 4	W	4	bc	3	cp, bc	*	60	52	0.44			
	GERMANY.	Portland Bill...	29.52	56	WNW	4	cp	29.69	+ 10	52	49	- 2	WNW	4	bc	4	bc, cp	*	60	50	0.12		
Dungeness...		29.49	59	W	6	c	29.65	+ 03	46	44	- 9	NW	3	bc	3	p, c, T	*	59	43	0.55			
London (Brixton)		29.45	55	WSW	2	c	29.68	+ 10	45	43	- 9	NW	2	bc	*	o, t, p, b	2.1	63	39	0.44			
Oxford...		29.51	49	W	3	0	29.66	+ 12	44	42	- 7	WSW	1	b	*	p, l	*	58	39	0.07			
Yarmouth...		29.43	53	WSW	3	c	29.60	+ 08	46	45	- 6	W	3	bc	3	bc, p, l	*	58	40	0.01			
Cuxhaven...		29.61	54	S	4	0	29.60	+ 10	53	52	+ 3	SSW	4	bc	*	0	*	57	50	0.04			
Berlin...		29.87	54	SW	2	b	29.82	+ 10	57	54	+ 4	S	3	c	*	b	*	61	52	-			
Wiesbaden...		29.77	54	SW	2	b	29.77	?	56	54	+ 2	Z	0	c	*	*	*	61	52	-			
Munich...		30.00	57	SW	1	c	29.98	- 05	53	51	- 2	SE	4	b	*	c	*	63	46	-			
SPAIN.		The Helder...	29.46	56	WSW	3	0	29.57	+ 09	52	49	- 4	SW	1	T	2	0	*	59	48	0.20		
	Brussels...	29.69	57	WSW	6	0	29.69	- 04	53	52	+ 3	SSW	3	0	*	b	*	60	50	0.04			
	C. Gris Nez...	29.52	57	WSW	6	0	29.62	- 00	51	48	- 4	NW	3	c	4	0	*	59	51	0.98			
	Paris...	29.73	56	SSW	4	T	29.73	- 12	53	52	+ 1	SSW	2	bc	*	T	*	63	52	0.55			
	Brest...	29.65	60	SW	4	c	29.80	+ 10	53	49	- 5	NW	2	c	3	c	*	61	46	0.59			
	Lorient...	29.69	58	WSW	5	c	29.60	+ 01	54	50	- 5	WNW	4	c	4	c	*	63	52	0.20			
	Rochefort...	29.82	61	W	6	T	29.83	- 11	61	55	- 2	WNW	6	c	*	T	*	70	?	0.67			
	Belfort...	29.85	57	SW	2	bc	29.78	- 17	54	51	+ 1	NE	2	c	*	bc	*	65	53	-			
	Lyons...	29.93	67	W	2	b	29.85	- 17	61	55	+ 4	W	1	bc	*	bc	*	74	57	0.08			
	Nice...	30.01	62	SW	1	b	29.97	- 03	61	57	+ 3	E	1	0	1	b	*	73	57	-			
PEN.	Perpignan...	29.94	68	NW	1	b	29.88	- 17	59	59	- 4	Z	0	c	*	b	*	76	57	-			
	Biarriz...	29.93	64	WNW	4	0	29.94	- 13	59	57	- 3	WNW	6	T	5	0	*	72	59	-			
AZORES.	Corunna...	30.12	63	N	4	b	30.15	+ 04	64	59	+ 1	N	2	c	*	b	*	72	61	-			
	Lisbon...	30.32	64	NNE	3	0	30.32	+ 03	67	64	0	NNE	3	c	3	0	*	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 recorded on the Tower of the Wesleyan Training College, Westminster

Bright Sunshine yesterday Southport 3.2 hrs.



# WEATHER CHARTS

FOR Thursday, 28<sup>th</sup> September, 1899.

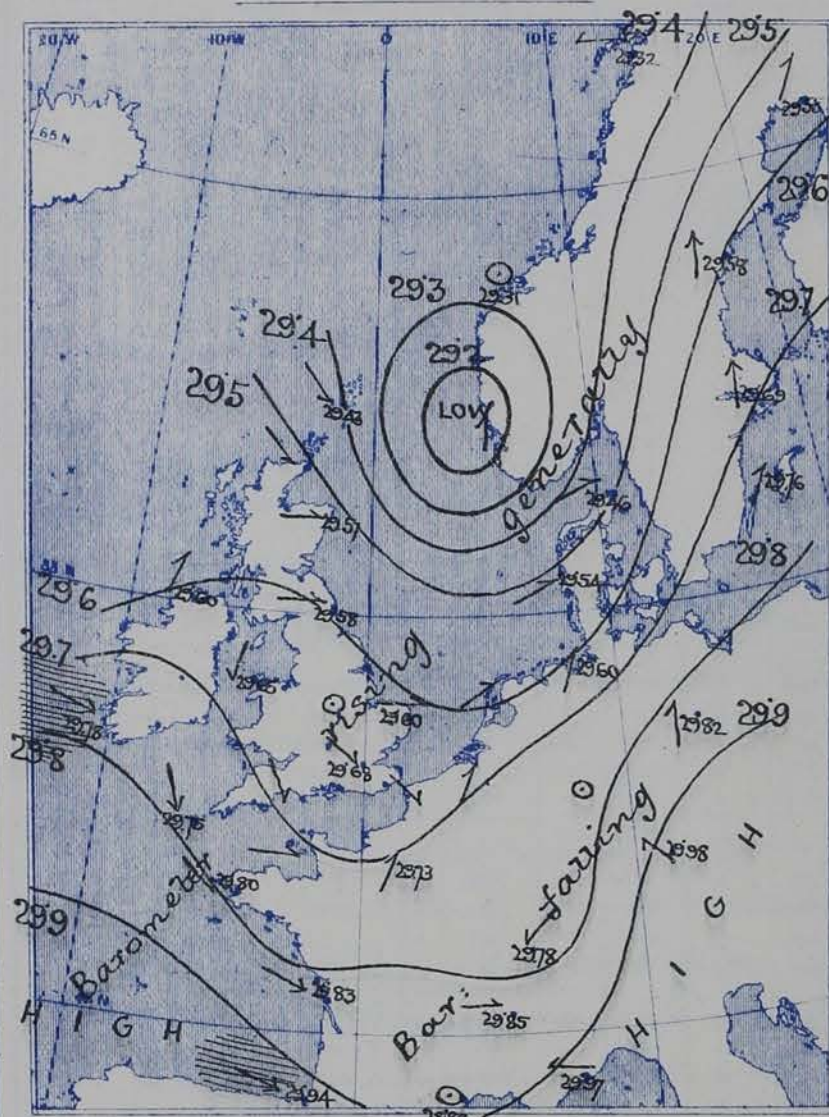
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ☉  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High :

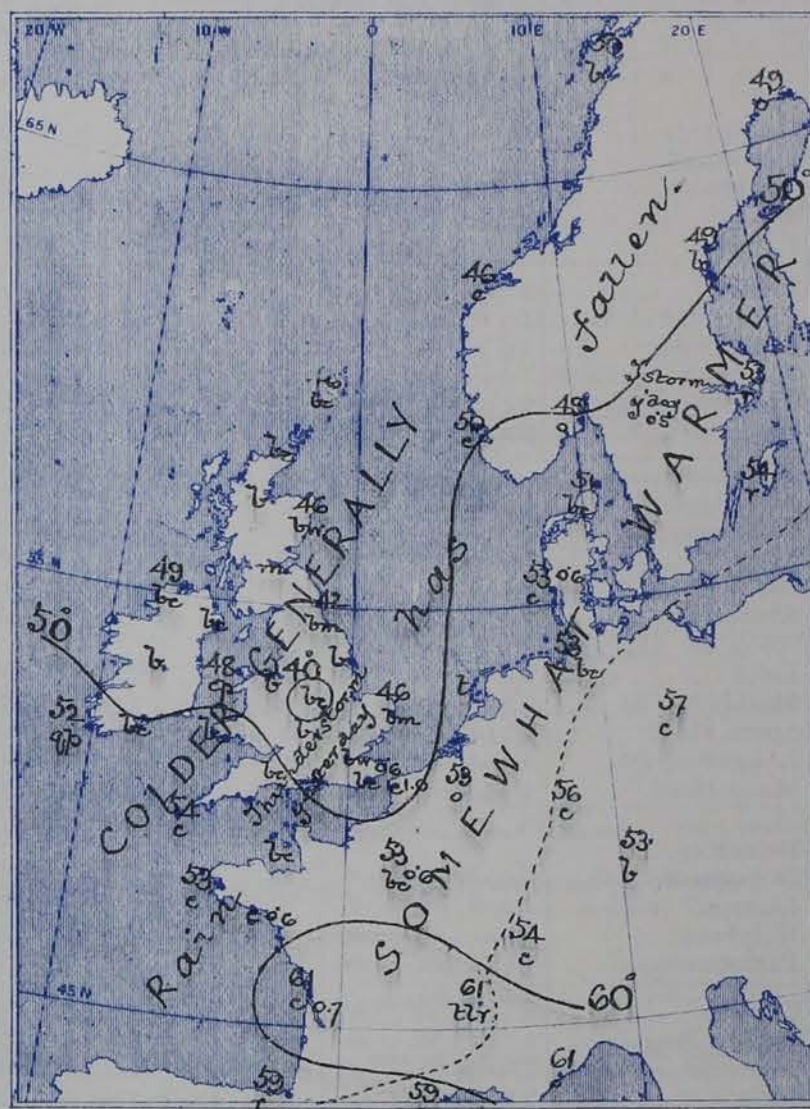


## TEMPERATURE AND WEATHER.

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. (Inches.)	TEMPERATURE OF AIR, 1871-95.								RAINFALL Means, 1866-95. (Inches.)	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Years.	Minimum.	Years.			
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	76*	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 more both over the Bay of Biscay and the southeast of France; 29.7 in: and more over the southwest of our Islands.  
 Lowest, 29.2 in: and less, in a depression lying over the southeast of Norway.  
 Gradient slight. Distribution over our Islands "ridge" like.  
 Barometer still rising generally, but the rise in the west and northwest is greatly checked.

### TEMPERATURE

Highest, 61° at Nice and Rochefort, 54° at Scilly, 52° at Valencia.  
 Lowest, 39° at Loughborough, 41° at Harrogate, about 43° over our northeastern counties.  
 A frost was registered on the grass last night at many of our inland stations.

### WIND

(1) NW<sup>1</sup>, and light over the greater part of the United Kingdom, but has backed again to SSW at Malin Head.  
 (2) S<sup>1</sup>, and strong, over Scandinavia and the eastern shores of the North Sea; calm at Christiansund.

### WEATHER

Still unsettled to the eastward of the North Sea, with rain in several places, and thunder at the Helder.  
 In our Islands and France it is finer, and in many places cloudless.  
 Thunderstorms occurred yesterday in many parts of England, and rain fell in many places. Some of the showers were heavy locally.  
 Bright Sunshine yesterday exceeded 7 hrs at Scilly, but was much less elsewhere.

### SEA

Rough in the far west, moderate in the south.



### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A fine day is probable over our Islands today, but it is doubtful if the brightness will continue over tomorrow.

## FORECASTS

For the 24 hours ending at NOON on 29<sup>TH</sup> SEPT<sup>R</sup> 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	NW <sup>2</sup> to SW <sup>2</sup> winds, the latter increasing, with rain.	6 { SCOTLAND WEST	Wind backing to the S <sup>2</sup> ; fine at first then rainy.
1 { SCOTLAND EAST		7 { ENGLAND N.W.	
2 { ENGLAND N.E.		8 { ENGLAND S.W.	
3 { ENGLAND EAST	NW <sup>2</sup> winds, light; fine — then SW <sup>2</sup> and less fair.	9 { IRELAND NORTH	Same as Nos 1 to 5.
4 { MIDLAND COUNTIES		10 { IRELAND SOUTH	
5 { ENGLAND SOUTH			
		WARNINGS	NONE ISSUED AT PRESENT

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.		WEA.	SEA.		BAR.	THER.		WIND.		WEA.	SEA.
		Dry.	Wet.	Dir.	Force.					Dry.	Wet.	Dir.	Force.		
Sk. snaes ...	29.23	53	48	SSW	6	r	5	Valencia ...	29.50	53	48	WNW	4	cp	5
Summough Head	29.09	52	49	W	5	c	4	Scilly ...	29.53	59	56	W	5	cp	3
Stornoway ...	29.34	53	47	W	6	c	6	Jersey ...	29.61	58	55	WSW	5	ur	4
Aberdeen ...	29.27	52	47	W	5	cp	3	Portland Bill ...	29.52	60	57	W	5	bc	4
Shields ...	29.33	56	51	SW	2	c	2	Dungeness ...	29.50	57	55	WSW	5	c	4
Malin Head ...	29.31	51	47	W	4	bc	2	London	29.45	60	56	W	4	c	2
Belmullet ...								(Westminster)							
Holyhead ...	29.40	53	48	NW	3	c	2	Yarmouth ...	29.46	57	54	SSW	3	bc	4
								Rochefort ...	29.84	70	68	W	4	bc	*

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

Weather in morning very unsettled and rough over the North Sea, Denmark, Scandinavia, and the Baltic; inclined to improve a little over England, but clearing decidedly in Ireland; fair over France, and decidedly fine over the Mediterranean, southeastern, and southwestern Europe. Rain falling later in all parts of northwestern Europe, thunderstorms in many places, and some of the showers very heavy locally.

Temperature beginning to fall over Ireland, rising over Sweden. Morning readings highest 75° at Barcelona, 74° at Algiers, 70° at Brindisi, 63° to 62° in the southeast of France, 56° to 54° on the south coast of England. Lowest 40° at Archangel, 45° at Nain and Parnatoron, 48° on the northeast coast of England, 49° both at Loughborough, Hunsand and Knapto. Rising to 60° or a little above it later over our southern counties, to 61° at Berlin, 63° at Paris, and 73° at Nice.

Wind (1) Very light and variable over southern Europe; (2) light from the W. over Ireland, moderate from SW over England, strong to a gale from the S. over the Gulf of Ireland and the eastern parts of the North Sea. Shifting to between W and N. over our Islands later, and moderating from SW. over the North Sea.

Barometer highest 30.1 in. and more over Portugal, and also over the Black Sea and southeastern Europe; 30.0 in. over the southern parts of France and Austria; exceeding 29.8 in. all over the southern half of France. Lowest 29.0 in. and less, in a depression between the Shetlands and Norway. The depression filling up quickly later, and an anticyclonic ridge advancing over the British Islands from the westward.

### 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 29<sup>th</sup> September, 1899.

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 Sun- shine.	TEMP.		
		At 82° and M.S.L.	Dry Bulb	Direc.	Force (0 to 12.)	At 82° Fabr. and M. S. L.	Change since Yester- day.		Dry Bulb	Wet Bulb	Change since Yester- day.	Direc.	Force (0 to 12.)	Max	Min.					Rainfall.		
		Ins.	°					Ins.	Ins.	°	°	°									Ins.	
SCANDINAVIA.	Haparanda ...	29.56	48	WSW	8	0		29.79	+ .24	48	45	- 1	S	2	b	*	0	*	52	41	0.35	
	Hernösand ...	29.64	49	SW	2	b		29.80	+ .22	44	43	- 5	Z	0	f	*	b	*	52	43	0.43	
	Stockholm ...	29.78	54	S	2	r		29.78	+ .09	51	51	- 2	NNE	2	r	*	r	*	59	41	0.35	
	Wisby ...	29.85	53	SSW	4	c		29.71	- .05	53	53	- 1	S	2	o	*	c	*	59	48	0.04	
	Karlstad ...	29.60	50	SW	4	0		29.79	+ .33	44	?	- 8	NW	2	f	*	o	*	*	*	-	
	Bodö ...	29.50	48	Z	0	b		29.63	+ .31	45	42	- 5	E	2	b	1	b	*	52	41	-	
	Christiansund ...	29.46	46	WSW	3	r		29.61	+ .30	49	45	+ 3	WSW	5	r	4	r	*	52	45	0.12	
	Skudesnaes ...	29.71	46	NNW	2	b		29.86	+ .69	47	45	- 3	E	2	b	2	c. b	*	52	41	*	
	Færder (X'ania Fjord)	29.53	52	SSW	4	b		29.79	+ .35	46	41	- 3	NNW	4	o	2	b	*	52	46	0.28	
	The Scaw (Skagen)	29.70	51	WSW	2	b		29.77	+ .31	48	47	- 3	NW	1	c	0	b	*	55	46	0.04	
Fanö ...	29.80	48	Z	0	c		29.81	+ .27	47	46	- 6	NE	2	c	*	c	*	57	45	0.08		
BRITISH ISLANDS.	Sumburgh Head ...	29.60	45	WNW	2	0		29.80	+ .37	40	39	- 6	NE	1	b	2	c. o	*	49	36	-	
	Stornoway ...																	*				
	Wick ...	29.65	46	NW	2	b		29.71	+ .19	49	45	+ 3	SE	3	o	2	b, b, b	*	55	46	0.15	
	Nairn ...	29.64	43	W	1	c		29.71	+ .15	40	39	- 2	Z	0	o	1	c	*	53	33	0.05	
	Aberdeen ...	29.68	48	S	2	c		29.74	+ .17	44	43	- 2	W	2	og	2	c, b	6.9	56	38	0.02	
	Leith ...	29.67	50	W	1	c		29.69	+ .09	44	43	+ 1	SW	2	o	*	c	*	53	40	0.17	
	Shields ...	29.71	49	E	2	cm		29.70	+ .12	39	39	- 3	SSW	2	f	2	b, cm	*	53	38	-	
	Spurn Head ...	29.75	51	ESE	2	c		29.77	+ .18	48	45	+ 1	SSW	3	b	4	c, b	*	56	45	-	
	Loughborough ...	29.76	47	SW	1	b		29.75	+ .10	40	39	+ 1	SE	1	cm	*	b, b, c	*	62	33	-	
	Malin Head ...	29.63	47	NW	4	b		29.62	+ .02	45	43	- 4	S	2	b	2	p. b	*	55	40	0.37	
GERMANY.	Belmullet ...																	*				
	Donaghadee ...	29.67	49	SW	3	cp		29.67	+ .03	39	39	- 4	SE	2	b	2	cp	*	56	36	0.19	
	Liverpool (Bidston)	29.75	49	SSW	1	b		29.71	+ .07	48	45	0	SSE	1	b	1	b	*	55	40	0.04	
	Holyhead ...	29.72	50	SW	2	c		29.69	+ .04	49	44	+ 1	SW	1	c	1	b, c	*	55	44	0.07	
	Parsonstown ...	29.76	49	NE	1	0		29.70	- .01	40	39	- 1	S	1	b	*	o	8.4	54	36	0.01	
	Valencia ...	29.83	51	W	4	cp		29.74	- .04	49	45	- 3	W	4	b	5	c, cp	4.8	55	41	0.17	
	Roche's Point ...	29.80	53	NW	4	b		29.72	- .03	45	42	- 5	NNW	3	b	3	b	*	56	42	-	
	Pembroke (St. Ann's Hd.)	29.76	54	WNW	5	b		29.70	.00	48	46	- 4	E	3	b	4	b	8.9	55	45	0.01	
	Scilly ...	29.85	55	WNW	5	c		29.75	.00	56	55	+ 2	WSW	3	r	2	cp, c	7.6	59	50	0.16	
	Jersey (St. Aubin's)	29.87	57	W	4	cg		29.77	+ .06	56	51	+ 1	SSW	4	og	3	b, cg, p	*	61	48	0.12	
FRANCE & NETHERLANDS.	Portland Bill ...	29.82	53	NW	5	c		29.75	+ .06	53	50	+ 1	SSE	1	c	2	r, b, c	*	57	46	0.05	
	Dungeness ...	29.76	53	WNW	3	c		29.76	+ .11	53	49	+ 7	SW	3	c	2	c, b	*	60	39	0.01	
	London (Brixton)	29.78	51	NNW	2	c		29.78	+ .10	45	44	0	SW	1	om	*	cp, b, b	6.0	61	37	0.01	
	Oxford ...	29.81	45	NW	1	b		29.76	+ .10	42	41	- 2	SSE	1	b	*	b, p	*	57	40	0.06	
	Yarmouth ...	29.71	52	NNW	1	b		29.76	+ .16	47	45	+ 1	SW	1	b	2	c, b	*	55	40	-	
	Cuxhaven ...	29.72	54	SSW	1	b		29.81	+ .21	47	46	- 6	SW	2	f	*	b	*	55	43	0.04	
	Berlin ...	29.80	59	W	2	0		29.88	+ .06	53	52	- 4	W	2	r	*	o	*	70	52	0.08	
	Wiesbaden ...		*	*	*	*		30.01	+ .24	48	47	- 8	SW	2	b	*	*	*	57	43	0.20	
	Munich ...	29.90	55	W	7	0		30.10	+ .12	48	47	- 5	SW	4	o	*	*	*	68	46	0.59	
	SPAIN.	The Helder ...	29.73	54	WSW	1	b		29.78	+ .21	49	47	- 3	S	1	b	1	b	*	59	43	0.04
Brussels ...			*	*	*	*		29.90	+ .21	50	45	- 3	SSE	2	b	*	b	*	60	41	0.04	
C. Gris Nez ...		29.79	53	W	4	c		29.80	+ .18	48	47	- 3	SSW	4	o	4	c	*	57	45	-	
Paris ...		29.91	49	S	1	0		29.95	+ .22	42	?	- 11	SSE	2	b	*	o	*	61	41	-	
Brest ...		29.94	55	NW	3	0		29.76	- .04	56	55	+ 3	SW	4	r	4	o	*	59	50	1.96	
Lorient ...		29.98	55	WNW	4	0		29.83	+ .03	52	52	0	WSW	2	f	5	o	*	63	52	0.12	
Rochefort ...		30.00	60	WNW	5	c		29.92	+ .09	57	55	- 4	SE	3	r	*	c	*	64	54	0.16	
Belfort ...		29.93	48	W	3	0		30.03	+ .25	47	46	- 7	W	1	c	*	o	*	58	44	0.59	
Lyons ...		30.02	50	SSE	1	c		30.08	+ .23	46	44	- 15	W	1	c	*	c	*	61	41	0.35	
Nice ...		29.91	57	Z	0	r		29.84	- .13	59	51	- 2	E	2	b	2	b, r	*	63	50	1.38	
PEN.	Perpignan ...	29.97	63	NW	4	0		30.08	+ .20	54	50	- 5	S	2	b	*	o	*	68	49	-	
	Biarritz ...	30.06	60	WNW	5	r		30.01	+ .07	56	52	- 3	S	3	o	4	r	*	64	54	0.43	
Azores (P. Delgada)		30.36	68	NE	3	b		30.35	+ .03	67	63	0	NNE	1	b	3	b	*	77	63	-	

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 7.1 hrs.



# WEATHER CHARTS

FOR Friday, 29<sup>th</sup> September, 1899.

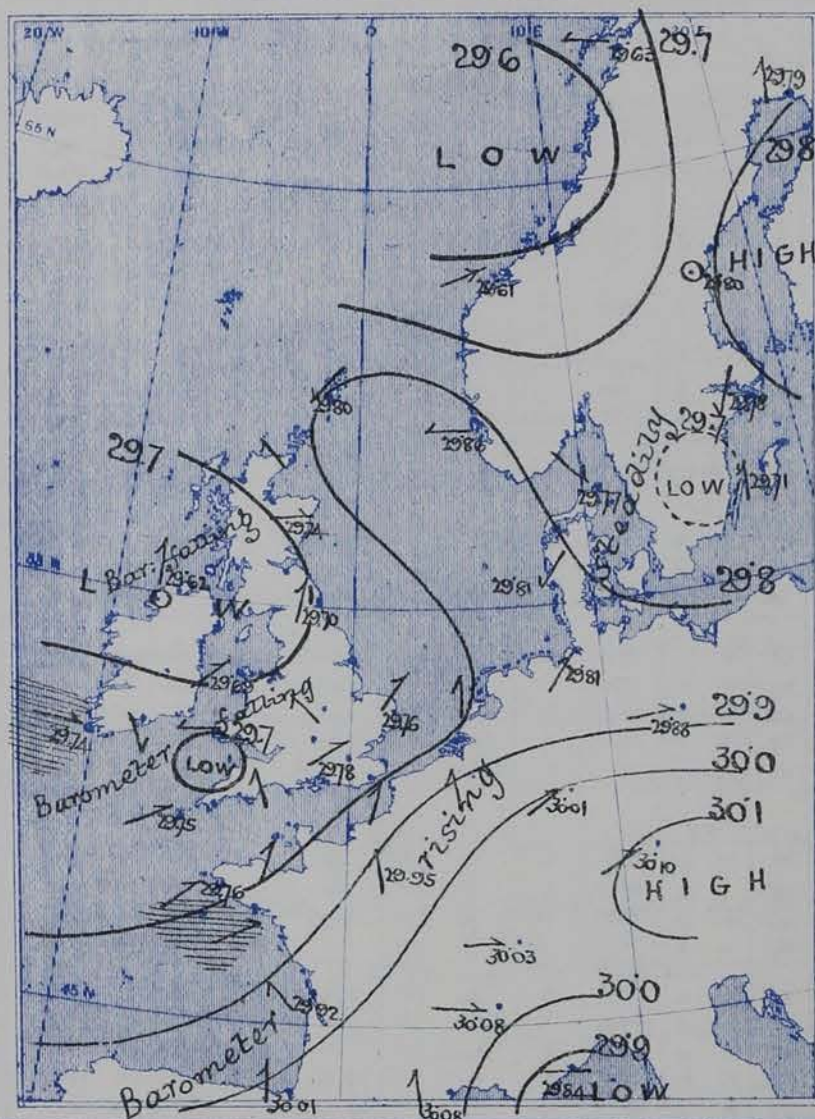
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ☉  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High

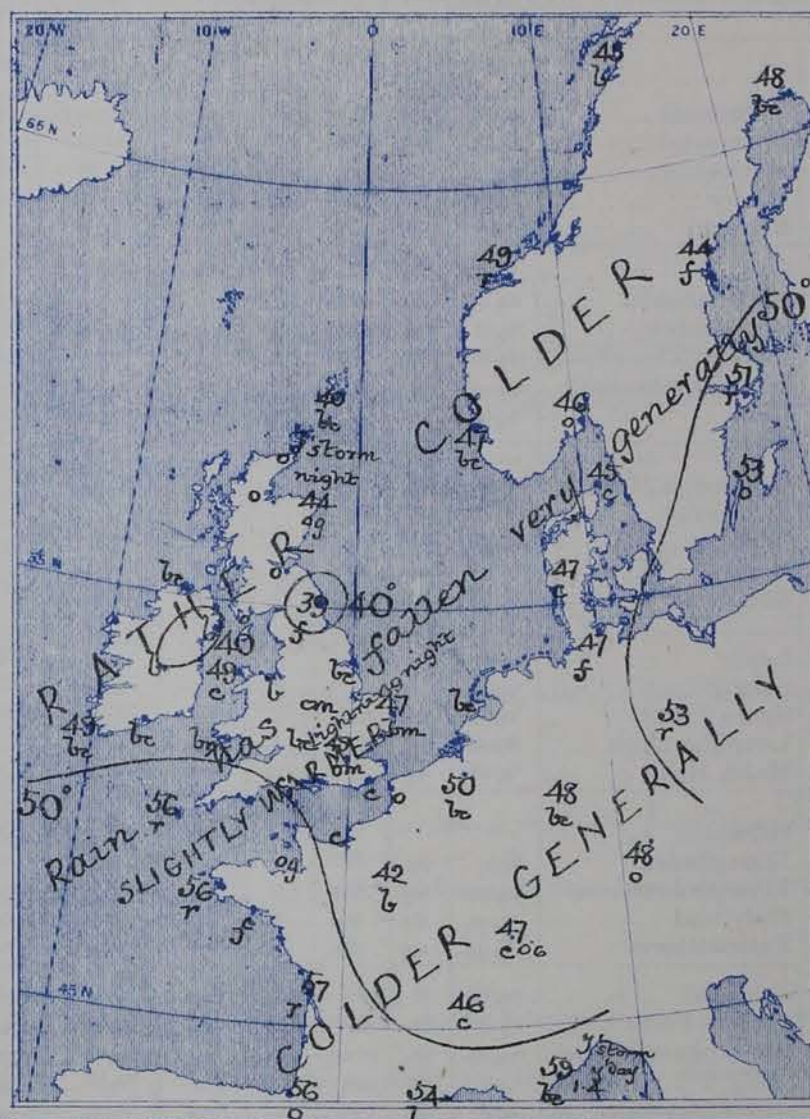


## TEMPERATURE AND WEATHER.

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. (Inches.)	TEMPERATURE OF AIR. 1871-95.								RAINFALL Means, 1866-95. (Inches.)	BRIGHT SUNSHINE, Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Years.	Minimum.	Years.			
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	—	—
Farsonstown	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	51.2	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	<p>Highest 30.0 ins. and more over the SW<sup>rn</sup> and south-central parts of France.</p> <p>Lowest 29.6 ins. and less off the NW. of Norway, and 29.7 ins. and less in several localities in our area.</p> <p>Gradients slight; distribution very irregular. Barometer falling in most places.</p>
TEMPERATURE	<p>Highest 57° to 54° over the W. of France and at the Scilly Islands, 53° at Berlin.</p> <p>Lowest (1) 44° to 49° over the N<sup>rn</sup> parts of Scandinavia, (2) 39° at Donaghadee, 40° at Parsonstown, Kinn and Gumburgh H.</p> <p>The maxima recorded yesterday were scarcely above 60° even at our S<sup>rn</sup> stations.</p> <p>The minima in the night were again low at our inland stations.</p>
WIND	<p>Light and exceedingly variable both over our Islands and also over the whole western parts of the Continental Europe. W<sup>ly</sup> to S<sup>ly</sup> and E<sup>ly</sup> breezes being greatly intermingled.</p>
WEATHER	<p>Very changeable - temporarily clear at some stations, cloudy &amp; rainy at others.</p> <p>Some rain fell yesterday at most of our stations. From Brest and Nice large measurements are reported. Lightning was seen in the S. of England.</p> <p>Bright Sunshine yesterday amounted to nearly 10 hours on our SE. coasts, to 9 hrs. at Parsonstown, 7 hrs. at Scilly and Southport.</p>
SEA	<p>Still rather rough at Valencia, slight to smooth elsewhere.</p>


### PROBABLE CHANGES IN SYSTEM NOW PREVALENT


Changeable unsettled weather is probable, with rain in several places, and varying light winds.

## FORECASTS

For the 24 hours ending at NOON on 30<sup>TH</sup> SEPTEMBER 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SE <sup>ly</sup> and varying winds, light, rain at times.	6 { SCOTLAND WEST	Same as Nos 0 and 1.
1 { SCOTLAND EAST		7 { ENGLAND N.W.	
2 { ENGLAND N.E.		8 { ENGLAND S.W.	Wind shifting to NW. and weather improving.
3 { ENGLAND EAST	Varying SE to SW winds, dull, rainy.	9 { IRELAND NORTH	Same as Nos 0 and 1.
4 { MIDLAND COUNTIES		10 { IRELAND SOUTH	Varying NW. to SW. winds; cloudy, showery.
5 { ENGLAND SOUTH		WARNINGS	None issued at present.

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.		WEA.	SEA.		BAR.	THER.		WIND.		WEA.	SEA.
		Dry.	Wet.	Dir.	Force.					Dry.	Wet.	Dir.	Force.		
Skudesnaes ...	29.50	51	49	WNW	6	c	4	Valencia ...	29.82	54	47	WNW	4	c	5
Sumburgh Head	29.52	47	44	NW	3	c	4	Scilly ...	29.82	55	52	WNW	4	cp	3
Stornoway ...								Jersey ...	29.82	60	52	W	5	bc	4
Aberdeen ...	29.64	51	45	S	3	c	2	Portland Bill ...	29.78	55	49	NNW	4	bc	4
Shields ...	29.57	51	47	E	2	bc	2	Dungeness ...	29.71	59	52	W	3	c	3
Malin Head ...	29.61	48	46	SW	5	p	2	London							
Belmullet ...								(Westminster)	29.71	58	51	W	2	bc	*
Holyhead ...	29.72	54	49	WSW	2	bc	1	Yarmouth ...	29.69	55	50	N	2	cv	3
								Rochefort ...	29.92	62	55	W	5	c	*

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

Weather in morning fine and bright over some parts of E<sup>m</sup> and central Europe, and in many parts of England, but showery again at one or two of our W<sup>m</sup> stations. Very unsettled over Scandinavia and the Baltic. Some rain or hail later in almost all parts of our Islands, thunder lightning and hail in many places, and also at Nice.

Temperature varying fitfully, but not so high as of late. Morning readings highest 76° at Palma, 75° at Algiers, 70° at Malta; 60° to 53° in the W. of France, 54° at Scilly, 52° at Valencia (Ireland), 49° to 52° over the S. of Finland, 53° at Stockholm. Lowest 41° at Parsonstown, 42° at Kairi and Shields, 39° at Loughborough. Rising later to between 53° and 56° in Scotland and Ireland, to between 61° and 60° over the S. of England to 61° at Paris, and 63° at Lorient and Nice. Succeeding night colder again.

Wind (1) Light, and variable in direction over E<sup>m</sup> and S<sup>m</sup> Europe; (2) S. fresh to strong over Scandinavia and Denmark, but moderate W. to N. at our northeastern, southeastern and southern stations; (3) inclined to back S<sup>wt</sup> again over the north of Ireland. Varying much in the latter region later, but continuing moderate to light over our Islands and lulling in Scandinavia.

Barometer highest (1) 30.3 ins. and more to 30.1 ins. over the SE. of Russia; (2) 30.1 ins. and more to 30.0 ins. over the W<sup>m</sup> parts of the Spanish Peninsula. Lowest 29.2 ins. and less in the depressions near Skudesnaes; (2) 29.6 ins. and less off our extreme NW. coasts; (3) 29.7 ins. to 29.9 ins. in a "V" shaped secondary stretching S<sup>wt</sup> over the W<sup>m</sup> half of France. Pump fast in the N. and E. of Europe later, but rise slackening in the W. 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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" Weekly " " " £1 10 0 "



# DAILY WEATHER REPORT

for 8 a.m. on *Saturday, 30<sup>th</sup> September, 1899.*  
 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.		Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.			Rainfall.	
		At 82° and M.S.L.	Dry Bulb	Dirac.	Force (0 to 12.)		At 82° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb	Wet Bulb	Change since Yester- day.	Dirac.	Force (0 to 12.)				Max.	Min.			
		Ins.	°				Ins.	Ins.	°	°	°								Ins.		
SCANDINAVIA.	Haparanda...	29.75	45	Z	0	r	29.79	0.00	45	44	- 3	W	2	b	*	r	*	55	43	0.55	
	Hernösand...	29.78	46	Z	0	o	30.03	+ 2.3	40	39	- 4	Z	0	b	*	o	*	50	37	-	
	Stockholm...	29.89	47	Z	0	o	30.15	+ 3.7	46	46	- 5	SW	2	o	*	o	*	54	45	0.50	
	Wisby...	29.97	51	HNW	4	o	30.17	+ 4.6	47	47	- 6	S	2	b	*	o	*	57	47	0.04	
	Karlstad...	29.93	43	Z	0	b	30.12	+ 3.3	36	35	- 8	NW	2	f	*	t	*	*	*	-	
	Bodö...	29.68	49	Z	0	b	29.63	0.00	45	42	0	ENE	2	r	1	b	*	52	44	0.16	
	Christiansund...	29.77	46	NSW	6	r	30.01	+ 4.0	47	45	- 2	NSW	3	c	5	r	*	50	45	0.47	
	Skudesnaes...	29.95	46	E	4	b	30.02	+ 1.6	45	41	- 2	ENE	2	b	2	c.b	*	53	44	-	
	Færder (X'ania Fjord)	29.89	49	SSW	1	b	30.08	+ 2.9	46	42	0	NNE	4	b	2	b	*	50	45	-	
	The Scaw (Skagen)	29.94	46	Z	0	b	30.04	+ 2.7	51	50	+ 3	SSE	1	bc	0	b	*	54	45	-	
Fanö...	29.93	48	E	1	b	29.92	+ 1.1	48	47	+ 1	E	4	c	*	b	*	59	46	-		
BRITISH ISLANDS.	Sumburgh Head...	29.89	46	NE	2	c	29.94	+ 1.4	48	45	+ 8	NE	3	c	4	bc.c	*	50	39	0.03	
	Stornoway...	29.83	46	SE	4	o	29.85	+ 1.4	51	46	+ 2	SE	5	c	4	t.o	*	55	43	0.10	
	Wick...	29.80	44	E	1	o	29.81	+ 1.0	44	41	+ 1	Z	0	o	1	klr.o	*	51	31	0.22	
	Nairn...	29.80	49	E	5	opq	29.76	+ 0.2	50	47	+ 6	ENE	8	ogq	7	rgt.thl	1.2	51	44	0.24	
	Aberdeen...	29.70	49	NSW	2	r	29.59	- 1.0	51	49	+ 7	ENE	6	r	*	r	*	52	42	0.25	
	Leith...	29.69	51	ESE	2	c	29.44	- 2.6	49	49	+ 10	NE	7	r	5	f.c	*	55	37	0.29	
	Shields...	29.66	53	SE	4	b	29.29	- 4.8	54	51	+ 6	SSE	6	c	6	b.r	*	58	48	0.60	
	Spurn Head...	29.63	51	ESE	2	c	29.24	- 5.1	47	46	+ 7	SE	1	c	*	bc.rq.c	*	60	40	0.80	
	Loughborough...	29.70	48	NE	3	b	29.63	+ 0.1	50	48	+ 5	NE	5	c	3	b.tcr	*	51	45	0.07	
	Malin Head...	29.70	48	NE	3	b	29.63	+ 0.1	50	48	+ 5	NE	5	c	3	b.tcr	*	51	45	0.07	
GERMANY.	Belmullet...	29.68	50	ENE	2	c	29.52	- 1.5	50	49	+ 11	NE	6	r	8	c.l	*	51	38	0.01	
	Donaghadee...	29.83	47	N	2	bc	29.22	- 4.9	50	49	+ 2	NE	1	o	2	r.bc	*	53	43	0.03	
	Liverpool (Biddston)	29.65	49	NE	3	cp	29.29	- 4.0	50	48	+ 1	NNE	8	rq	6	c.cp	*	52	44	0.55	
	Holyhead...	29.66	44	NE	1	bc	29.58	- 1.2	32	31	- 8	N	1	b	*	bc.l	4.6	51	29	0.03	
	Parsonstown...	29.71	49	N	3	c	29.62	- 1.2	42	41	- 7	Z	0	b	3	cq.c	6.9	54	35	0.02	
	Valencia...	29.64	50	N	3	bc	29.56	- 1.6	44	42	- 1	WNW	5	bc	4	p.t.bc.l	*	54	40	0.04	
	Roche's Point...	29.59	47	NE	2	r	29.37	- 3.3	50	48	+ 2	WNW	5	ogq	4	c.r	3.1	53	46	0.33	
	Pembroke (St. Ann's Hd.)	29.56	53	HNW	5	cp	29.47	- 2.8	53	49	- 3	WNW	5	c	3	bc.p.l	4.7	57	48	0.09	
	Scilly...	29.45	55	W	4	cp	29.43	- 3.4	48	46	- 8	SW	3	og	3	p.klr	*	57	47	0.76	
	Jersey (St. Aubin's)	29.45	55	W	4	cp	29.43	- 3.4	48	46	- 8	SW	3	og	3	p.klr	*	57	47	0.76	
FRANCE & NETHERLANDS.	Portland Bill...	29.48	49	ENE	5	o	29.33	- 4.2	52	49	- 1	WNW	6	o	5	o.r.u	*	58	45	0.20	
	Dungeness...	29.55	55	S	5	r	29.23	- 5.3	55	53	+ 2	W	5	cq	5	p.r	*	58	50	0.58	
	London (Brixton)	29.55	49	SE	2	r	29.29	- 4.9	47	46	+ 2	S	1	o	*	o.r	0.5	57	45	0.99	
	Oxford...	29.47	47	SE	2	r	29.25	- 5.1	45	44	+ 3	S	3	o	*	c.r	*	57	42	0.52	
	Yarmouth...	29.68	53	E	4	cp	29.32	- 4.4	55	53	+ 8	SSE	7	c	6	bc.r	*	55	45	1.22	
	Cuxhaven...	29.89	54	SSW	2	b	29.84	+ 0.3	47	45	0	SE	5	b	*	b	*	55	41	-	
	Berlin...	30.04	52	SW	1	b	29.94	+ 0.6	51	49	- 2	ESE	3	r	*	b	*	55	48	-	
	Wiesbaden...	30.00	48	E	5	bc	29.72	- 2.9	51	48	+ 3	NE	4	c	*	b	*	57	46	-	
	Munich...	30.00	48	E	5	bc	29.80	- 3.0	44	44	- 4	Z	0	b	*	bc	*	55	41	-	
	The Helder...	29.51	53	SSSE	5	o	29.51	- 3.9	53	48	+ 3	SSSE	5	o	*	o	*	59	46	-	
SPAIN.	Brussels...	29.59	52	SE	4	r	29.36	- 4.4	51	49	+ 3	S	4	o	5	r	*	57	45	0.67	
	C. Gris Nez...	29.69	57	E	5	o	29.50	- 4.5	49	48	+ 7	S	4	r	*	o	*	62	33	0.28	
	Paris...	29.53	54	HNW	5	c	29.52	- 2.4	52	48	- 4	HNW	4	bc	4	c	*	59	41	1.14	
	Brest...	29.52	58	NW	5	c	29.54	- 2.9	51	48	- 3	NW	5	c	5	c	*	63	43	0.55	
	Lorient...	29.69	59	WNW	4	r	29.65	- 2.7	55	50	- 2	WNW	4	c	*	c.r	*	64	48	0.83	
	Rochefort...	29.88	53	NE	2	b	29.66	- 3.7	47	44	0	NE	4	o	*	b	*	63	43	-	
	Belfort...	29.93	53	SE	1	b	29.67	- 4.1	55	49	+ 9	SE	1	r	*	b.l	*	62	46	-	
	Lyons...	29.90	60	SW	1	b	29.89	+ 0.5	55	52	- 4	E	1	o	2	b	*	70	48	-	
	Nice...	29.90	60	NE	2	b	29.67	- 4.1	53	50	- 1	W	2	b	*	b	*	70	48	-	
	Perpignan...	29.83	64	NW	3	c	29.73	- 2.8	57	55	+ 1	SW	5	r	4	c.l	*	68	55	0.16	
Biarritz...	29.83	64	NW	3	c	29.73	- 2.8	57	55	+ 1	SW	5	r	4	c.l	*	68	55	0.16		
PEN.	Corunna...	30.02	68	WNW	3	c	30.17	- 1.8	69	67	+ 2	W	4	c	4	c	*	70	64	-	
	Lisbon...	30.02	68	WNW	3	c	30.17	- 1.8	69	67	+ 2	W	4	c	4	c	*	70	64	-	
Azores (P. Delgada)		30.02	68	WNW	3	c	30.17	- 1.8	69	67	+ 2	W	4	c	4	c	*	70	64	-	

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

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

Bright Sunshine yesterday Southport 58 hrs.



# WEATHER CHARTS

FOR Saturday, 30<sup>th</sup> September, 1899.

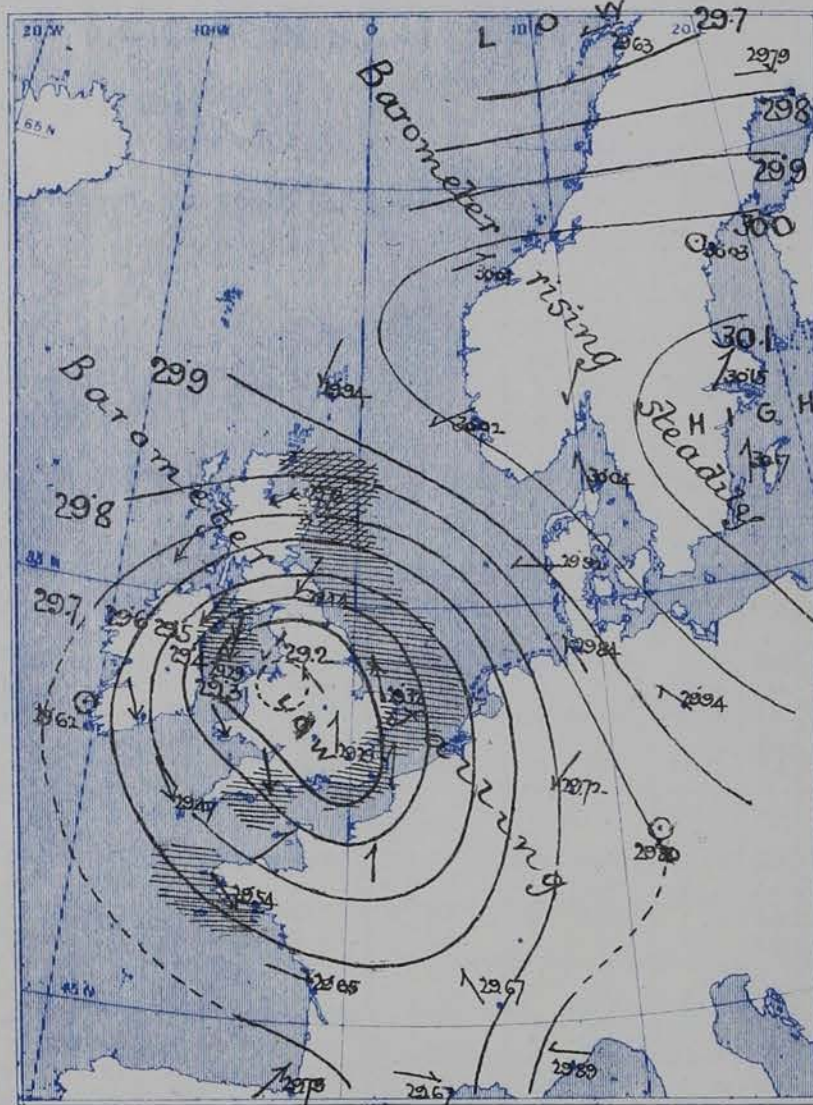
## BAROMETER, WIND AND SEA.

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

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

Force above 10 → : Force 5 to 7 → : } Calm ○  
Force 8 to 10 → : Force 1 to 4 → :

SEA.—Rough : High :





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Highest, 30.1 in: and more to 30.0 in: over the southern part of Scandinavia; 29.7 in: and more in the southwest of France.  
 Lowest, about 29.2 in: in a depression over Hampshire.  
 Gradient steep over the northeastern and northwestern parts of our Islands.  
 Barometer falling in the northwest and north, rising slightly in London.

### TEMPERATURE

Highest, 55° to 50° over France, Germany, and the south of our Islands.  
 Lowest, 32° at Parovtown, 41° at Nairn, 42° at Valencia, 45° at Oxford, and 47° at Loughborough and in London.  
 The changes have been very fitful during the past 24 hours; in some northern and western districts a keen frost has occurred on the ground.

### WIND

Cyclonic all over our Islands; NE<sup>3</sup> strong, on our northeast coast, N<sup>2</sup> to NW<sup>2</sup> in the west, NW<sup>1</sup> to SW<sup>2</sup>, moderate, in the English Channel, and S<sup>2</sup> strong, on our east coast.  
 The changes both in force and direction have been very peculiar during the day.

### WEATHER

Rainy all over our northeastern and northwestern districts, fair, but not settled in the south.  
 The rainfall yesterday was especially continuous and was heavy over England; at Yarmouth the fall amounted to 1.2 in: in London it was an inch, and at Loughborough 0.8 in: Thunder and lightning occurred in many places.  
 Bright Sunshine at the southwestern and northwestern stations varied from 4 to 7 hrs; in the southeast of England there was hardly any.

### SEA

very rough in the northeast and northwest, rather so in the English Channel

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS

For the 24 hours ending at NOON on 1<sup>ST</sup> OCTOBER, 1899.

### DISTRICTS.

### FORECASTS.

0	{ SCOTLAND NORTH	SE <sup>2</sup> to NE <sup>2</sup> strong winds or gales; rainy.
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	
3	{ ENGLAND EAST	
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	SW <sup>2</sup> to NW <sup>2</sup> winds; unsettled, some rain.

### DISTRICTS.

### FORECASTS.

6	{ SCOTLAND WEST	N <sup>2</sup> gales and strong winds; squally, rainy.
7	{ ENGLAND N.W.	
8	{ ENGLAND S.W.	NW <sup>2</sup> winds, strong; squally, showery.
9	{ IRELAND NORTH	N <sup>2</sup> winds, strong; showery.
10	{ IRELAND SOUTH	

### WARNINGS

At 10.30 am today to districts 1, 2, 3, 6, & 7  
 "Hoist North Cone"

Note.—The South Cone, point downwards (  $\nabla$  ), 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 (  $\blacktriangledup$  ), 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.		WIND.		WEA.		SEA.			BAR.	THER.		WIND.		WEA.		SEA.	
		Dry.	Wet.	Dir.	Force.							Dry.	Wet.	Dir.	Force.				
Skudesnaes ...	29.90	53	47	NE	2	c		2		Valencia ...	29.70	50	47	NW	4	cq		5	
Sumburgh Head	29.86	50	46	ESE	2	bc		3		Scilly ...	29.58	56	53	NNW	4	bc		2	
Stornoway...	29.77	55	50	E	3	bc		3		Jersey ...	29.59	54	51	S	4	r		4	
Aberdeen ...	29.79	45	44	ESE	4	ortq		4		Portland Bill ...	29.60	56	52	ESE	3	or		3	
Shields ...	29.69	54	50	SSE	3	c		2		Dungeness ...	29.69	54	52	Z	0	p		0	
Malin Head ...	29.68	50	47	E	2	b		2		London	29.67	54	51	SSW	2	oa		2	
Belmullet ...										(Westminster)									
Holyhead ...	29.67	51	47	NW	2	c		1		Yarmouth ...	29.72	55	50	S	3	bc		3	
										Rochefort ...	29.82	61	58	SSW	4	c		*	

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

*Continental Information not received.*

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

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

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

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

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

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" Weekly " " " £1 10 0 "







# ADDITIONS AND CORRECTIONS TO THE

## 1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE	STATIONS.	YESTERDAY EVENING.					THIS MORNING.										PAST 24 HOURS.					
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather	Sea (0 to 3.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.		
				At 83° and M.S.L.	Dry Bulb		Direc.	Force (0 to 12.)	At 83° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb	Wet Bulb	Change since Yesterday.					Direc.	Force (0 to 12.)		Max	Min.
1	Berlin	29.88	62	W	1	C	29.79	-0.07	58	-	-5	NW	2	0	-	C	-	73	55	0.08		
"	Corunna	30.10	66	NW	3	bc	30.05	-	61	57	-	NW	3	f	3	bc	-	68	55	-		
"	Lisbon	30.01	67	NW	6	bc	29.99	-0.08	68	61	-1	N	3	c	-	b	-	79	63	-		
"	Azores	30.15	73	S	4	bc	30.09	-1.11	74	72	0	S	3	bc	2	bc	-	81	70	0.32		
2	Corunna	30.06	68	NW	3	bc	30.03	-0.02	67	64	+6	NW	3	0	3	bc	-	70	61	-		
"	Lisbon	29.95	68	NW	5	b	29.97	-0.02	72	63	+4	N	4	b	-	b	-	82	64	-		
3	Haparanda	29.59	45	SE	4	r	29.60	-0.09	50	-	+5	SSE	2	0	-	r	-	52	39	1.42		
4	Corunna	29.98	71	NW	3	b	29.95	-	67	64	-	SSW	1	f	2	b	-	73	63	-		
"	Azores	29.77	73	NW	5	C	30.02	+2.8	68	63	-7	NW	4	c	4	c	-	75	66	0.12		
6	Lisbon	30.19	68	NW	2	b	30.21	+1.1	69	62	-2	NW	2	bc	-	b	-	77	66	-		
7	Corunna	30.06	70	W	5	bc	30.11	+1.7	65	61	-5	SW	5	c	4	bc	-	72	59	0.12		
8	The Helder	29.98	64	NE	1	0	29.96	-0.01	62	-	0	NNE	1	0	0	0	-	66	61	-		
"	Corunna	30.14	64	NW	3	f	30.19	+0.8	66	64	+1	NW	1	C	4	f	-	70	63	-		
9	Corunna	30.18	68	N	4	b	30.15	-0.04	66	63	0	NNE	3	b	5	b	-	68	61	-		
10	Nice	29.86	72	S	1	0	29.80	-0.07	72	-	+3	Z	0	bc	1	0	-	81	64	-		
11	The Helder	30.08	58	NW	2	0	30.06	-0.02	58	-	-2	ENE	1	c	1	0	-	61	54	-		
"	Corunna	30.14	73	NNE	3	f	30.11	-	68	64	-	NE	1	f	2	f	-	81	63	-		
13	Corunna	30.10	69	NW	3	r	29.97	-1.14	64	64	-4	ENE	3	f	2	f	-	82	63	0.04		
14	The Helder	30.02	59	NNE	1	C	30.02	-0.06	62	-	+2	N	1	c	1	c	-	64	57	-		
15	Corunna	29.92	71	NNE	3	bc	29.99	-	66	62	-	NE	1	bc	4	b	-	72	61	0.12		
16	Lyon	30.01	63	NNE	1	0	29.93	-1.1	56	52	+3	S	1	m	-	0	-	70	48	-		
"	Corunna	30.02	68	N	3	f	30.09	+1.0	63	61	-3	N	1	f	3	f	-	73	59	-		
18	Corunna	30.26	64	NW	3	f	30.23	-	65	63	-	NW	1	0	4	f	-	66	61	-		
19	Corunna	30.18	66	NW	3	e	30.12	-1.1	64	60	-1	N	3	f	3	c	-	70	59	-		
"	Lisbon	30.06	68	NW	4	bc	30.03	-1.0	69	63	-1	NW	4	b	-	bc	-	75	64	-		
20	Corunna	30.11	66	N	4	bc	30.12	-0.0	59	53	-5	N	3	f	5	bc	-	68	54	-		
"	Lisbon	29.98	65	NW	5	b	29.99	-0.04	66	62	-3	NW	3	b	-	b	-	69	54	-		
21	Corunna	30.10	64	NW	1	bc	30.16	+0.04	64	60	+5	N	3	0	5	bc	-	70	59	-		
22	Corunna	30.11	66	N	4	b	30.10	-0.06	59	57	-5	N	1	f	4	b	-	66	55	-		
23	Haparanda	29.62	46	Z	0	bc	29.65	+2.4	42	-	-4	SE	4	0	-	bc	-	50	27	-		
"	Hermosand	29.82	46	S	4	r	29.82	-1.6	50	-	+8	S	4	c	-	r	-	55	32	0.43		
"	Stockholm	29.49	49	E	6	r	29.30	-3.1	52	-	+4	S	8	r	-	r	-	57	43	0.35		
"	Nisby	29.49	51	S	8	r	29.44	-2.6	50	-	-1	SW	8	r	-	r	-	55	48	0.28		
24	Belfast	30.04	51	W	4	bc	30.05	-0.04	45	-	-4	WSW	4	r	-	bc	-	63	40	-		
"	Nice	29.84	63	SSW	4	0	29.88	-0.06	62	-	+1	E	6	b	1	0	-	73	57	-		
25	Stornoray	29.47	44	SE	4	r	29.45	-3.7	47	46	+6	Z	0	0	0	r	0.2	48	38	0.20		
"	Cape Gris Neg	29.98	56	NW	6	0	29.98	+0.7	58	-	+5	NW	5	0	4	0	-	59	45	0.24		
"	Belfast	30.12	46	WSW	4	0	30.04	-0.1	49	47	+4	WSW	5	0	-	0	-	53	42	0.16		
"	Nice	-	-	-	-	-	29.97	+0.9	62	57	0	E	2	b	1	c	-	77	57	-		
"	Perpignan	30.12	66	NW	4	bc	30.15	+0.2	56	50	-4	W	3	b	-	bc	-	74	50	-		
26	Stornoray	29.03	48	SSE	4	r	28.90	-5.5	46	43	-1	W	5	0	5	r	0.0	51	41	0.65		
"	Corunna	30.21	64	NW	2	bc	30.13	-	65	64	-	NW	1	0	3	bc	-	68	52	-		
"	Lisbon	30.09	71	NW	4	b	30.12	-0.04	67	60	-3	N	3	b	-	b	-	84	61	-		
27	Stornoray	28.95	48	NW	8	r	29.23	+3.3	47	45	+1	NW	6	0	6	r	0.5	50	43	0.80		
"	Corunna	30.14	66	NW	3	0	30.14	+0.1	66	58	+1	W	1	0	7	0	-	66	52	0.04		
28	Stornoray	29.42	48	NW	5	0	29.54	+3.1	43	41	-4	NW	3	c	3	c.0	7.3	53	37	0.05		
"	Corunna	30.04	66	W	3	0	30.13	-0.1	59	53	-7	NW	3	bc	6	0	-	68	52	0.16		
"	Stornoray 2pm	-	-	-	-	-	29.57	-	49	44	-	NW	3	r	3	-	-	-	-	-		
29	Stornoray	29.59	45	Z	0	r	29.68	+1.4	44	43	+1	ESE	2	0	2	r	0.5	50	38	0.40		
"	Corunna	30.19	62	NW	3	bc	30.09	-0.4	57	54	-2	SW	3	bc	5	bc	-	63	52	-		
"	Lisbon	30.19	60	NW	5	b	30.15	-0.0	59	53	-5	NNE	4	bc	-	b	-	70	55	-		
30	Stornoray	29.79	48	E	3	0	29.83	+1.5	48	46	+4	E	3	bc	3	c.0.2	6.1	55	41	0.03		
"	The Helder	29.82	53	SE	1	C	29.59	-1.9	54	-	+5	ESE	3	0	3	c	-	57	49	?		
"	Corunna	29.97	59	SW	3	C	29.88	-2.1	59	57	+2	SW	3	0	4	c	-	68	55	0.32		
"	Lisbon	30.08	60	NW	3	b	30.00	-1.5	63	61	+4	WSW	3	b	-	b	-	68	59	-		