

METEOROLOGICAL OFFICE

LONDON.

DAILY WEATHER REPORTS.

1ST JULY - 31ST DECEMBER.

1888.

See Reg. Lond.

6/7/89

July to December 1882.

July to December 1882.



DAILY WEATHER REPORT.

for SATURDAY 1st SEPT^r 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										LAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.			
				Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	29.92	54	S	2	c	29.98	+ .02	51	50	- 3	NE	2	b	*	63	?	-	
	Hernösand ...	30.05	51	NW	2	b	30.15	+ .15	49	45	- 5	NW	2	b	*	64	46	-	
	Stockholm ...	30.08	55	Z	0	b	30.12	+ .04	56	52	- 5	Z	0	b	*	64	50	0.04	
	Wisby ...	30.13	55	S	2	0	30.15	+ .02	52	57	+ 1	NW	2	b	*	63	52	0.04	
	Bodö ...	29.94	45	WSW	4	0	29.93	+ .10	46	43	- 4	SE	2	0	1	48	41	0.04	
	Christiansund...	30.05	48	W	2	0	29.96	+ .03	49	46	- 1	ESE	2	0	3	50	46	0.16	
	Skudesnaes ...	30.14	52	Z	0	1	30.11	+ .09	55	52	+ 1	SSW	4	0	+	64	52	-	
	Christiania Fjord (Fjord)	30.05	57	WSW	4	2	30.09	+ .07	54	52	- 3	WNW	2	b	2	59	52	-	
	Skagen (The Sea)	30.10	54	WSW	1	b	30.14	+ .09	53	52	- 1	WSW	1	b	1	64	48	-	
	Fanö ...	30.09	54	NW	1	0	30.19	+ .14	60	55	+ 4	WNW	2	b	*	63	52	-	
BRITISH ISLANDS.	Sumburgh Head	30.05	51	Z	0	b	29.81	- .19	50	50	+ 1	S	5	r	5	56	49	0.11	
	Stornoway ...	30.14	56	W	3	0	29.80	- .30	56	52	+ 3	SW	6	r	5	60	50	0.40	
	Wick ...	30.15	55	NW	1	0	29.83	- .27	54	54	+ 2	SSW	3	0	2	61	49	0.25	
	Nairn ...	30.16	56	SW	1	b	29.84	- .22	56	55	+ 6	WSW	4	p	3	64	48	0.12	
	Aberdeen...	30.21	54	S	1	b	29.99	- .14	51	50	- 2	S	2	0	2	61	45	0.07	
	Leith ...	30.22	59	W	1	c	30.10	- .07	53	51	0	W	3	erm	*	66	39	0.23	
	Shields ...	30.23	54	SE	1	0	30.17	- .00	52	50	0	SW	3	p	2	60	47	-	
	Spurn Head ...	30.26	55	ESE	2	b	30.27	+ .12	55	52	+ 3	WSW	3	b	2	58	49	-	
	York ...	30.27	56	N	3	c	30.26	+ .09	50	48	- 2	SW	1	0	*	65	44	-	
	Loughborough	30.29	57	WNW	2	c	30.22	+ .11	50	49	- 4	E	1	erm	*	64	41	-	
GERMANY.	Ardrossan ...	30.25	55	W	3	0	30.11	- .08	54	54	- 2	S	3	rm	2	62	52	0.02	
	Malin Head ...	30.27	56	W	3	b	30.05	- .17	56	54	+ 2	WSW	5	opq	5	60	51	0.04	
	Mullaghmore ...	30.32	57	WNW	4	c	30.16	- .11	57	55	+ 1	SW	5	og	3	61	53	0.03	
	Belmullet ...	30.34	57	WSW	3	0	30.16	- .15	57	56	+ 1	WSW	5	0	*	60	55	0.06	
	Donaghadee ...	30.31	56	S	2	b	30.18	- .08	54	54	+ 1	W	4	0	2	65	52	0.05	
	Barrow-in-Furness	30.24	57	W	3	b	30.23	+ .03	56	53	+ 3	SW	4	0	*	60	52	-	
	Liverpool (Bilston)	30.32	55	WNW	3	c	30.29	+ .05	55	52	+ 1	SW	2	0	2	59	50	-	
	Holyhead ...	30.34	55	SW	2	b	30.27	+ .02	56	54	0	SW	3	0	2	63	52	-	
	Parsonstown ...	30.35	57	Z	0	c	30.28	- .04	55	53	+ 5	SSW	1	0	*	62	48	-	
	Valencia ...	30.31	59	W	1	0	30.35	- .01	60	58	+ 2	WSW	3	0	4	62	52	-	
FRANCE & NETHERLANDS.	Roche's Point...	30.36	59	SW	2	b	30.24	+ .07	55	53	0	W	2	0	3	64	50	-	
	Pembroke ...	30.26	56	WNW	2	b	30.34	+ .05	57	54	+ 1	W	3	b	1	58	55	-	
	Scilly ...	30.37	55	NW	2	b	30.38	+ .06	59	56	+ 1	WNW	1	b	2	61	54	0.01	
	Prawle Point ...	30.35	58	NW	3	b	30.38	+ .07	58	54	+ 4	ESE	1	0	*	63	46	-	
	Jersey ...	30.36	60	NW	3	b	30.38	+ .09	58	55	- 2	NW	2	erm	2	63	51	-	
	Hurst Castle ...	30.31	60	NNW	1	c	30.36	+ .10	51	49	- 5	NNW	1	0	1	66	45	-	
	Dungeness ...	30.24	60	NNW	2	c	30.30	+ .10	51	48	- 4	NNW	3	0	2	65	44	-	
	London ...	30.28	60	NW	2	b	30.35	+ .13	50	48	- 2	NW	1	b	*	63	41	-	
	Oxford ...	30.24	52	NW	1	b	30.36	+ .12	47	46	- 4	W	1	b	*	62	41	-	
	Cambridge ...	30.26	55	Z	0	c	30.32	+ .12	52	51	- 1	Z	0	b	*	65	39	-	
PENINSULA.	Yarmouth ...	30.25	56	W	1	b	30.30	+ .16	52	50	- 1	NW	1	0	2	58	45	0.07	
	Cuxhaven ...	30.18	54	WNW	1	b	30.26	+ .12	57	55	+ 2	WNW	2	0	*	62	53	0.04	
	Berlin ...	30.19	63	Z	0	b	30.23	+ .10	55	53	- 1	WNW	1	0	*	68	52	-	
	Wiesbaden ...	*	*	*	*	*	30.24	+ .03	55	52	+ 2	NW	1	0	*	68	50	0.04	
	Munich ...	30.20	52	Z	0	0	30.21	- .02	52	51	0	NE	3	0	*	55	48	0.08	
	The Helder ...	30.23	56	NNW	1	c	30.28	+ .10	56	51	- 2	NNW	1	0	1	69	54	-	
	Brussels ...	*	*	*	*	*	30.32	+ .10	52	50	- 2	NNW	1	0	*	61	49	0.35	
	Cape Gris Nez...	30.26	56	NE	5	c	30.32	+ .10	59	53	+ 4	NNE	1	0	1	68	52	0.04	
	Paris ...	30.29	58	NNW	3	b	30.33	+ .08	46	46	- 5	Z	0	0	*	67	41	-	
	Brest ...	30.41	58	NNE	5	c	30.43	+ .05	52	50	- 2	NE	1	0	1	70	43	-	
PENINSULA.	Lorient ...	30.35	60	NE	4	b	30.39	+ .03	52	53	- 2	NNE	4	0	2	70	50	-	
	Rochefort ...	30.31	66	WSW	5	b	30.39	+ .09	53	51	- 4	NE	5	0	2	72	46	-	
	Belfort ...	30.21	65	SW	1	b	30.30	- .02	56	54	- 4	W	1	0	*	71	46	0.35	
	Lyons ...	30.21	63	N	3	b	30.23	- .02	53	49	- 4	N	1	0	*	69	50	-	
	Nice ...	30.00	73	SW	3	c	29.97	- .05	67	63	0	SW	1	0	1	79	63	-	
	Perpignan ...	30.18	66	W	3	0	30.21	- .01	63	55	+ 5	NW	3	0	*	71	59	-	
	Barritz ...	30.15	64	NNE	5	0	30.30	+ .03	59	55	- 2	E	3	0	2	68	55	0.04	
PENINSULA.	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	30.08	65	NNW	8	b	30.07	- .02	64	54	+ 3	NNE	5	0	?	73	61	-	

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on

Saturday, 1st September

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10; → = forces 8 to 10;

→ = forces 5 to 7; → = forces 1 to 4;

○ = dead calm.

Sea Disturbance — where considerable, is shown thus.

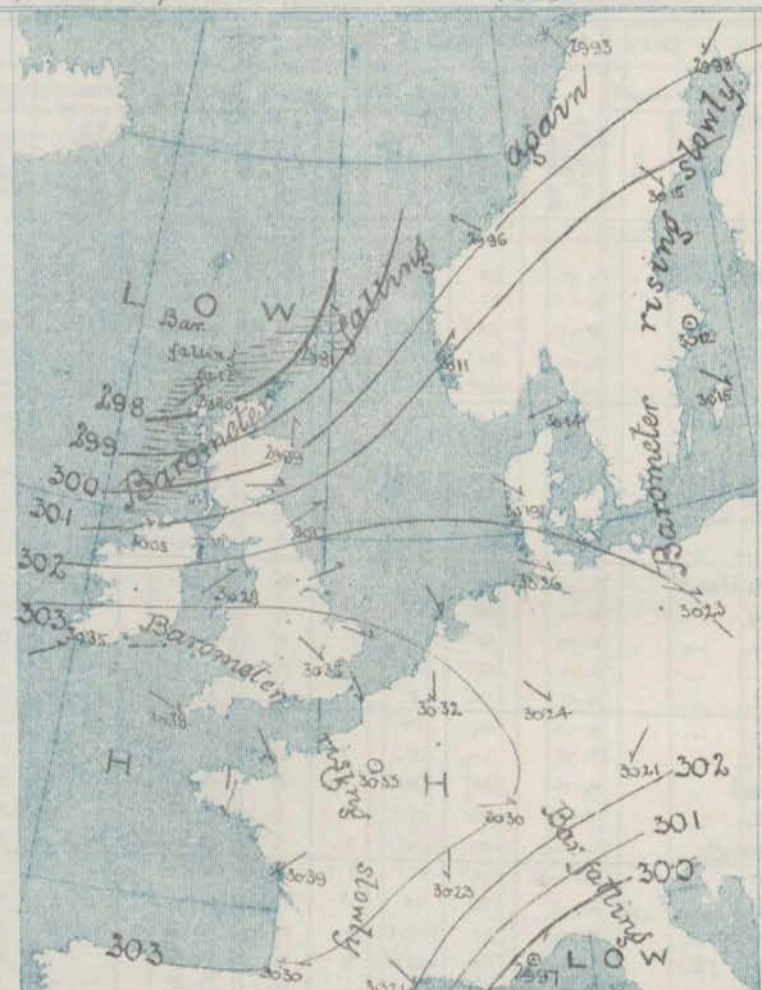
■ = Rough ■ = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September.

During the 15 Years 1871-1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head.	29.786
Stornoway.	29.780
Wick.	29.793
Nairn.	29.809
Aberdeen.	29.819
Leith.	29.846
Shields.	29.869
York.	29.906
Loughborough.	29.924
Ardrossan.	29.860
Donaghadee.	29.869
Holyhead.	29.894
Liverpool.	29.899
Parsonstown.	29.904
Valencia.	29.917
Roche's Point.	29.915
Pembroke.	29.913
Seilly.	29.943
Jersey.	29.955
Hurst Castle.	29.960
Dover.	29.941
LONDON.	29.945
Oxford.	29.935
Cambridge.	29.931
Yarmouth.	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

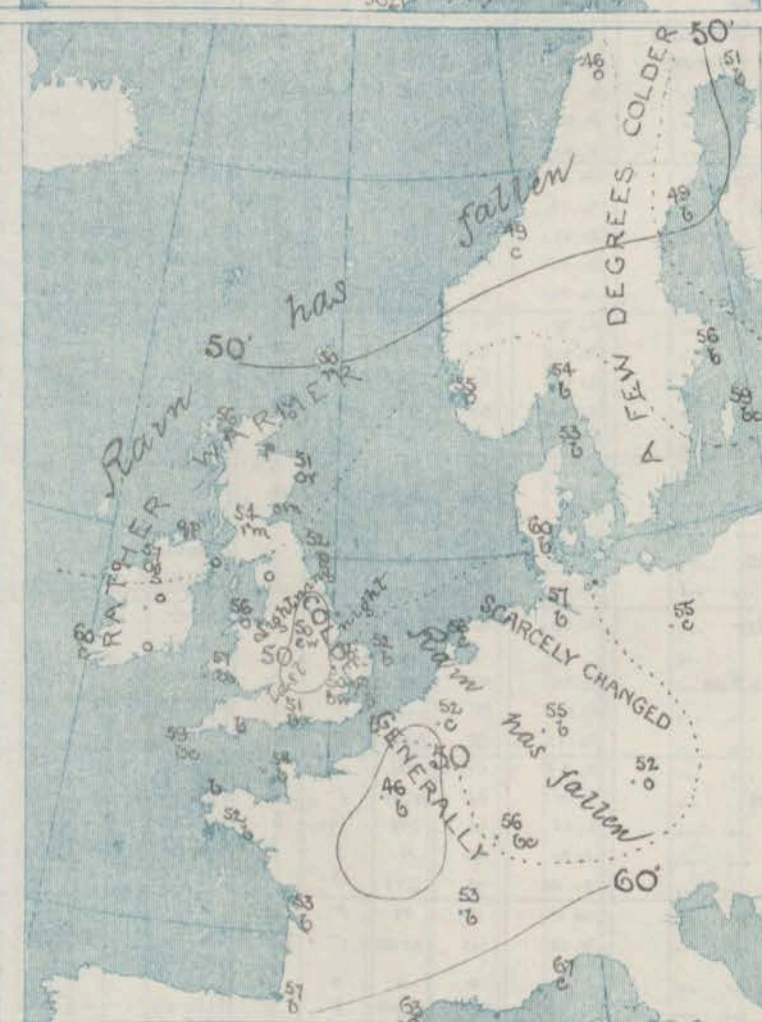
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of September.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	55.2	46.3	50.9	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.5	51.3	3.67
Donaghadee	59.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.8	47.5	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.89
Pembroke	60.2	53.1	56.2	53.8	3.89
Seilly	61.8	54.8	58.4	56.2	3.69
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	66.3	49.4	55.9	53.6	2.59
Oxford	63.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

NOTE — The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 30 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in. and more over the Bay of Biscay, France, the Channel and Southern part of our islands; 30.43 in. at Brest.
Lowest, 29.8 in. at Lumburg Head and Stormoway.
Gradients very slight in the south, rather steep and increasing in the north.
Barometer falling fast at the northern stations - steady in the south.

TEMPERATURE

Highest, 67° at Trice, 64° at Linton, 60° at Malin, 56° at Nealon Head and Stormoway
Lowest, 46° at Breda and also at Riva, 47° at Oxford, 49° at Christchurch, 50° at Lumburg Head, 50° at London, 57° at Aberdeen, 58° at Harrogate.
A frost occurred on the ground over England and the South of Scotland early this morning.

WIND

Moderate to 5 over Bay of Biscay, light and variable over Central France and the Southern parts of our islands.
S.W. at our more northern stations, and blowing rather strongly on our northwestern coasts.
In Norway it is light from between S.W. and S.E.

WEATHER

Very fine in the southern parts of the United Kingdom and over the Continent.
Very rainy over the northern parts of our islands.
In London slight cumulus clouds, radiating from N.W. is moving briskly from N.E. and increasing.
General appearance is becoming very unsettled.

SEA

Rough and rising in the northwest and far north, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A depression appears to be approaching our islands from the north-westwards.

Our western, northern and northeastern coasts have been warmed.

FORECASTS

for the 24 hours ending at NOON on 2nd SEPTEMBER 1888.

DISTRICTS.

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

FORECASTS.

Weather becoming very unsettled again, wind shifting from S.W. to N.W.; squally, cold rain.

Very light winds and fine weather at first, then becoming rainy and unsettled, with cold winds.

DISTRICTS.

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

WARNINGS

FORECASTS.

Wind probably shifting to N.W., with cold rains and strong squalls - very unsettled.

The NORTH CONE has been hoisted this morning in districts N° 0, 1, 6 and part of 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.
* 11.40 AM Warnings have been extended to all our northwestern and north-eastern coasts.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnæs ...	30.09	64	55	WSW 2	b	3	Holyhead ...	30.23	60	55	NN 2	b	2
Sumburgh Head ...	30.08	59	49	SW 1	b	1	Valencia ...	30.41	64	59	W 2	b	2
Stornoway ...	30.15	58	53	W 2	b	2	Scilly ...	30.37	60	55	NNW 2	b	3
Aberdeen ...	30.20	58	51	NNW 2	b	1	Jersey ...	30.35	63	54	NN 3	b	3
Shields ...	30.20	58	51	E 2	c	2	Dungeness ...	30.28	62	52	NNW 4	c	2
Ardrossan ...	30.23	62	56	W 3	b	2	London ...	30.26	60	52	NNW 3	b	2
Malin Head ...	30.28	59	54	W 3	b	3	Yarmouth ...	30.23	58	54	N 4	b	3
Mullaghmore ...	30.31	60	54	NNW 4	b	2	Rochefort ...	30.34	67	60	NW 4	b	2
Belmullet ...	30.34	59	54	N 3	o	*							

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

The Continental observations for yesterday showed that two anticyclonic systems were still lying over Europe, — one over Central Russia, and the other over the Bay of Biscay, the extreme southwest of England, and the south of Ireland. The lowest pressures were found in a large shallow depression over the north of Scandinavia, but gradients were generally slight. The wind was NW^{ly} over the greater part of Western Europe, but NE^{ly} in Spain. Over Scandinavia, Denmark, the Baltic, and Northern Russia, however, S^{ly} or SW^{ly} breezes were reported. The weather was fair generally, but rain was falling at some of the German and Austrian stations as well as at Christiansund. Temperature had fallen a little in most places, and readings ranged from 70° and upwards over Algeria and the southern parts of Austria and Italy to 50° or less in the northern parts of Scotland and Norway and also at some of the French stations. The highest individual readings were 87° at Algiers, 76° at Trieste and Rhineland, 75° at Malta and Berlin, 74° at Cagliari and Oron, and 72° at Daboule and Angoulême; the lowest were 45° at Charleville, 47° at R. Mans, 48° at Limoges, 49° at Sumburgh Head, 50° at Bodo, Christiansund, Kurr and Pansinstorow, and 51° at Lario, Brest, Nancy, and Munster.

In the course of the day the anticyclone over the Bay of Biscay extended eastwards, and the barometer rose in all parts of our Islands, while the weather showed further signs of improvement. — Lightning was seen in many parts of England at night.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Sunday 2nd September 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer Reading at 8 A.M. and Sea Level.	SHADE TEMP.		WIND.	Temp. in Shade.	Weather.	Sun. (0 to 5.)	SHADE TEMP.		Amount of Rainfall.				
			Dir.	Force. (0 to 12.)			Dry.	Wet.					Max.	Min.					
SCANDINAVIA.																			
Haparanda ..	29.96	?	SW	2	b	29.84	- 14	54	54	+ 3	SW	4	bc	*	57	43	-		
Hernösand ...	30.01	51	S	4	o	29.86	- 29	51	48	+ 2	S	6	b	*	63	37	-		
Stockholm ...	30.09	54	L	0	b	30.02	- 10	57	54	+ 1	SW	2	b	*	66	46	-		
Wisby ...	30.15	56	W	2	b	30.11	- 04	59	56	0	WSW	2	b	*	63	50	-		
Bodö ...	29.77	50	L	0	o	29.51	- 42	54	50	+ 8	SSE	4	r	2	54	41	-		
Christiansund...	29.68	58	ESE	1	r	?	?	53	51	+ 4	WSW	4	r	3	55	49	0.08		
Skudesnaes ...	29.91	55	S	8	r	29.73	- 38	56	54	+ 1	SW	4	r	5	57	55	0.91		
Christiania Fjord (Færdar)	30.00	56	SSW	7	b	29.86	- 28	55	53	+ 1	S	8	r	4	59	54	-		
Skagen (The Scaw)	30.07	54	W	1	b	29.95	- 19	55	50	+ 2	SW	4	o	3	61	50	-		
Fanö ...	30.16	58	WSW	3	b	30.01	- 18	57	53	- 3	SSW	4	c	*	61	54	-		
BRITISH ISLANDS.																			
Sumburgh Head	29.64	58	W	4	o	29.63	- 18	53	52	+ 3	WNW	2	o	4	54	50	0.27		
Stornoway ..	29.74	56	W	6	r	29.76	- 04	55	53	- 1	W	3	c	3	60	50	0.12		
Wick ...	29.65	48	W	4	o	29.74	- 09	56	54	+ 2	WNW	5	c	2	66	50	0.05		
Nairn ...	29.78	61	W	1	c	29.76	- 13	55	58	- 1	SW	1	bc	1	64	57	0.03		
Aberdeen...	29.83	57	SW	3	r	29.80	- 19	56	54	+ 5	W	1	c	1	59	49	0.35		
Leith ...	29.90	58	W	4	o	29.87	- 29	59	55	+ 6	W	2	bc	*	60	52	0.09		
Shields ...	30.00	56	SW	3	r	29.82	- 35	63	59	+ 11	SW	2	o	2	63	51	0.38		
Spurn Head ...	30.13	57	SW	4	c	29.93	- 34	58	57	+ 3	SW	4	cp	2	63	53	0.16		
York ...	30.12	57	SSW	3	r	29.89	- 37	59	58	+ 9	SW	2	o	*	60	47	0.31		
Loughborough	30.18	59	SW	3	o	29.97	- 35	58	57	+ 8	SW	3	cpq	*	62	50	0.01		
Ardrossan ...	29.92	55	SSW	5	r	29.86	- 25	57	55	+ 3	WNW	2	o	1	58	54	0.18		
Malin Head ...	29.89	58	WSW	4	o	29.87	- 18	55	53	- 1	WNW	3	bc	2	58	54	0.59		
Mullaghmore ...	29.98	59	SW	5	a	29.92	- 24	55	54	- 2	W	5	cp	4	59	55	0.54		
Belmullet ...	30.00	59	WSW	7	r	29.95	- 21	56	54	- 1	WNW	2	o	*	59	54	0.58		
Donsghadee ...	29.99	58	WNW	5	r	29.96	- 22	56	55	+ 2	WNW	3	o	2	59	53	0.24		
Barrow-in-Furness	30.07	57	SW	6	o	29.88	- 35	57	56	+ 1	NW	3	c	*	58	53	0.75		
Liverpool (Alderson)	30.12	56	SW	3	o	29.92	- 37	58	58	+ 3	WSW	3	o	3	61	55	0.14		
Holyhead ...	30.12	57	SSW	5	mp	29.93	- 35	58	58	+ 2	WNW	4	c	4	60	55	0.43		
Parsinstown ...	30.13	59	SW	4	r	29.98	- 30	57	55	+ 2	L	0	o	*	62	53	0.15		
Valencia ...	30.20	60	SW	6	o	30.06	- 29	58	57	- 2	W	1	o	2	62	54	0.16		
Roche's Point...	30.20	60	W	4	c	30.00	- 34	58	56	+ 3	NNW	3	c	3	63	54	0.08		
Pembroke ...	30.23	58	SW	4	c	29.99	- 35	58	58	+ 1	SW	5	rq	4	59	56	0.07		
Scilly ...	30.32	60	W	4	c	30.12	- 26	60	58	+ 1	WSW	5	om	4	63	56	-		
Prawle Point ...	30.31	57	WSW	3	bc	30.14	- 24	58	56	0	SSW	3	og	3	60	53	-		
Jersey ...	30.34	61	WNW	3	bc	30.21	- 17	59	56	+ 1	WSW	4	cgm	3	64	50	-		
Hurst Castle ...	30.29	60	WSW	4	cg	30.11	- 25	60	59	+ 9	WSW	6	cg	3	65	51	-		
Dungeness ...	30.28	60	SW	4	bc	30.08	- 22	58	57	+ 7	WSW	5	r	4	64	50	0.02		
London ...	30.25	61	SW	2	o	30.07	- 28	58	56	+ 8	SW	3	o	*	67	50	0.02		
Oxford ...	30.23	57	SW	3	o	30.04	- 32	57	55	+ 10	SW	4	o	*	66	47	-		
Cambridge ...	30.23	57	SW	1	r	30.01	- 31	58	57	+ 6	SW	2	o	*	61	50	0.03		
Yarmouth ...	30.23	59	SW	2	b	30.01	- 29	57	56	+ 5	WSW	3	om	2	62	51	0.03		
Cuxhaven ...	30.28	54	W	2	b	30.18	- 08	57	50	- 6	SW	3	c	*	57	49	-		
Berlin ...	30.16	62	L	0	o	30.13	- 10	56	53	+ 1	NNE	1	b	*	68	52	-		
Wiesbaden ...	*	*	*	*	*	30.15	- 09	58	51	+ 3	E	1	b	*	64	50	0.71		
Munich ...	30.16	50	NE	3	r	30.03	- 18	49	49	- 3	N	3	r	*	54	48	0.67		
FRANCE & NETHERLANDS.																			
The Helder ...	30.23	56	SW	1	c	30.06	- 22	55	52	- 1	SSW	3	r	3	61	52	0.04		
Brussels ...	*	*	*	*	*	30.18	- 14	52	49	0	S	1	r	*	62	45	-		
Cape Gris Nez...	30.28	58	W	3	bc	30.12	- 20	58	56	- 1	WSW	7	r	5	64	55	0.04		
Paris ...	30.29	57	N	3	b	30.25	- 08	45	45	- 1	L	0	o	*	65	38	-		
Brest ...	30.40	59	NNW	4	b	?	?	59	54	+ 7	WSW	5	o	3	70	41	-		
Lorient ...	30.34	62	WNW	5	b	30.28	- 11	64	52	+ 2	SSE	1	b	0	65	34	-		
Rochefort ...	30.34	65	NNE	3	bc	30.30	- 09	54	51	+ 1	E	3	c	2	73	48	-		
Belfort ...	30.19	55	W	1	o	30.18	- 12	52	50	- 4	W	1	o	*	?	?	-		
Lyons ...	29.81	54	N	3	b	30.22	- 01	52	49	- 1	NNW	3	bc	*	63	49	-		
Nice ...	29.78	72	L	0	bc	29.90	- 07	58	51	- 9	E	1	b	1	75	54	-		
Perpignan ...	30.16	66	NW	3	o	30.20	- 01	58	49	- 5	N	3	b	*	72	50	-		
Biarritz ...	30.28	65	NNE	5	b	30.25	- 05	53	48	- 4	ESE	5	bc	2	68	48	-		
GERMANY.																			
Corunna ...	*	*	*	*	*	30.23	- 10	62	57	- 1	?	8	b	6	68	54	-		
Lisbon ...	30.02	68	NNW	7	b	30.02	- 05	67	56	+ 3	NNE	7	b	6	79	63	-		

1888.

(Explanation of Map)

Wind ——— Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

$$\longrightarrow = \text{forces } 5 \text{ to } 7_i \longrightarrow = \text{forces } 1 \text{ to } 7_j$$

⊙ = dead calm.

Sea Disturbance—where considerable is shewn thus

 = Rough.  = High

MEAN HEIGHT of the BAROMETER

at 6 a. m. for the month of September

During the 15 Years 1871 1885

[illegible]

TEMPERATURE, & WEATHER at 8 A.M.,
with RAINFALL in PAST 24 HOURS.

Weather is shown by Letters of the Beaufort Scale.

Rainfall. A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of September

Note—The Temperature means are for the 45 years 1871–85, the Rainfall means are mainly those for the 30 years 1866–85.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins. at Rochefort, 30.2 ins. and upwards over France and the north of Spain.
Lowest, 29.6 ins. and less, in a large depression lying off the west of Norway, 29.5 ins. and less in a smaller disturbance lying over the Gulf of Genoa.
Gradients moderate. Barometer falling at all but the southern French stations.

TEMPERATURE

Highest, 67° at Lisbon, 63° at Shields, 62° at Bordeaux, 60° at Dublin, and Hunt Castle, and 59° at Trieste, Leith, York, Jersey and Brest.
Lowest, 45° at Paris, 51° at Hunsand and Clapham, 52° at Brussels, Wilford and Lyons, and 53° at Christiansund, Lumbly and Kinn.

WIND

Moderate winds NW² in Ireland, Scotland, and the northwest of England.
Moderate or fresh from the SW² over the south and east of England, the Netherlands, and the North Sea.
Light from E. in the south and southwest of France.

WEATHER

Fine in Sweden, North Germany, and the west and south of France.
Cloudy or overcast elsewhere, with rain in Norway and passing showers in many parts of England and Ireland.
Rain fell yesterday at all but our extreme southern stations, - heavily in the northwest.

SEA

Rather rough at Skudenæs and C. Fris. Neg., but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The brisk fall of the barometer noticed over the north of our Islands yesterday has spread quickly southwards, but the depression which originally occasioned the change is apparently moving eastwards towards Scandinavia. The warning signal we therefore lowered this morning in the west, north, and northeast.

FORECASTS

for the 24 hours ending at NOON on 3rd September 1888.

DISTRICTS.

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

FORECASTS.

NONE ISSUED

DISTRICTS.

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

WARNINGS

FORECASTS.

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.	Dry.	Wet.	Wind.	Wes.	Ses.		Bar.	Dry.	Wet.	Wind.	Wes.	Ses.
Skudesnaes ...	30.03	57	51	S 6	0	4	Holyhead ...	30.20	59	50	SSW 5	c	5
Sumburgh Head ...	29.68	52	52	SW 4	r	5	Valencia ...	30.28	60	58	NNW 5	0	5
Stornoway ...	29.75	58	56	W 6	0	5	Scilly ...	30.36	62	57	W 3	bc	3
Aberdeen ...	29.87	58	55	S 4	ogu	2	Jersey ...	30.37	64	57	NNW 3	b	3
Shields ...	30.06	57	54	SW 3	0	2	Dungeness ...	30.29	63	55	SW 3	bc	2
Ardrossan ...	29.99	53	55	SSW 5	r	4	London ...	30.30	66	55	NNW 3	bc	*
Malin Head ...	29.97	58	57	WSW 5	c	4	Yarmouth ...	30.26	62	54	NNW 2	b	2
Mullaghmore ...	30.06	59	58	SW 5	r	4	Rochefort ...	30.36	70	56	NE 5	b	2
Belmullet ...	30.07	59	58	WSW 7	r	*							

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

The reports for yesterday morning showed that pressure was highest 30.3 ins. and more, in two anticyclonic systems — one lying over the Bay of Biscay and France, the other over Central and Eastern Russia, and that the two were joined by a broad "col" which spread over Germany the Baltic and Western Russia. To the southward gradients were very slight, but in the northwest the barometer had begun to fall decidedly, and rather steep gradients for SW winds were beginning to appear over Scotland and the northwest of Norway. SW winds of considerable strength and mild rainy weather were setting in over the latter regions, while NW winds and rain were reported in Finland, and NW winds and cloudy weather in the south of France; elsewhere the wind was light and variable and the weather fine. Temperature had fallen, and was very low over the inland parts of our Islands and France. Over England ground frost had occurred in the night, but further to the northward the thermometer had risen. The highest readings reported were 80° at Laballe (Algeria), 77° at Cagliari, 75° at Brindisi, 74° at Malta, 73° at Pesaro, 72° at Constantinople, 71° at Legna, 70° at Languisais and 67° at Kise; the lowest were 43° at Charleville, 46° at Paris and Bodo, 47° at Munster and Roford, 49° at Hemsland and Christiansund, and 50° at York, Loughborough, and in London.

Later on the mild, rainy weather spread southward over London, and SW to W winds, strong to a gale in force were felt at many western stations.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for *Monday 3rd September. 1888.*
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)		Reading at 82° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.	Haparanda ..	29.75	SW	6	bc	29.72	- .12	54	54	0	SW	4	0	*	63	46	0.04		
	Hernösand ...	29.82	S	8	r	29.90	+ .08	51	50	0	Z	0	0	*	55	46	0.12		
	Stockholm ...	29.97	Z	0	b	29.95	- .07	57	55	0	SW	2	0	*	64	48	—		
	Wishby ...	30.06	SW	2	b	30.03	- .08	53	53	—	WSW	2	0	*	64	52	—		
	Bodö ...	29.45	SSW	2	r	29.67	+ .16	45	41	—	SSW	9	r	6	55	41	0.47		
	Christiansund...	29.73	WSW	7	r	29.91	?	46	41	—	WSW	4	0	4	57	45	0.25		
	Skudesnaes ...	29.87	Z	0	0	29.91	+ .18	54	51	—	ESE	2	0	3	62	54	—		
	Christiania Fjord (Færder)	29.80	SW	5	0	29.87	+ .01	54	54	—	Z	0	f	3	57	54	0.24		
	Skagen (The Scaw)	29.84	SW	5	0	29.89	- .06	55	54	0	SW	1	b	1	55	54	0.12		
	Fanö ...	29.91	SSW	5	r	29.90	- .11	59	59	+ .2	SSW	2	r	*	59	55	0.32		
BRITISH ISLANDS.	Sumburgh Head	29.81	NNW	1	c	29.88	+ .05	48	46	—	NE	1	0	2	56	43	0.02		
	Sornoway ...	29.88	SE	2	r	29.79	+ .03	53	52	—	SW	3	0	3	59	50	0.37		
	Wick ...	29.87	NW	4	c	29.83	+ .09	52	50	—	S	4	0	3	60	47	0.01		
	Nairn ...	29.88	Z	0	c	29.84	+ .08	52	50	—	SW	1	0	1	61	50	0.08		
	Aberdeen...	29.91	NE	1	0	29.90	+ .10	53	52	—	SE	2	0	2	64	52	0.20		
	Leith ...	29.88	W	1	c	29.88	+ .07	57	54	—	W	1	c	*	65	52	—		
	Shields ...	29.87	Z	0	0	29.91	+ .09	52	51	—	W	1	0	2	66	51	—		
	Spurn Head ...	29.90	N	2	b	29.94	+ .01	54	54	—	WSW	1	f	2	64	53	—		
	York ...	29.88	W	1	b	29.94	+ .05	56	54	—	NW	1	0	*	69	52	0.05		
	Loughborough	29.92	Z	0	c	29.97	+ .05	50	50	—	NNW	1	f	*	70	45	0.01		
GERMANY.	Ardrossan ...	29.89	NNW	2	c	29.89	+ .03	55	53	—	SW	1	0	1	60	53	—		
	Malin Head ...	29.92	NNW	2	b	29.90	+ .03	52	51	—	W	2	0	2	59	52	0.09		
	Mullaghmore ...	29.95	NNW	4	bc	29.94	+ .02	53	51	0	NNW	4	0	3	61	51	0.01		
	Belmullet ...	29.98	NNW	2	bc	29.96	+ .01	53	52	—	WSW	2	0	*	58	51	0.04		
	Donaghadee ...	29.94	W	1	0	29.93	- .03	55	54	—	W	2	bc	1	63	54	0.02		
	Barrow-in-Furness	29.92	NW	2	bc	29.93	+ .05	55	54	—	NE	1	0	*	60	54	—		
	Liverpool (Bidston)	29.95	NW	1	c	29.95	+ .03	56	54	—	SSW	1	0	2	61	53	0.01		
	Holyhead ...	29.94	Z	0	c	29.95	+ .02	50	50	—	NNW	1	c	1	62	54	0.01		
	Parsonstown ...	29.98	W	1	0	30.00	+ .02	53	52	—	Z	0	0	*	62	51	0.03		
	Valencia ...	30.05	NNW	2	cp	30.05	- .01	57	54	—	NNW	2	0	2	62	51	0.03		
FRANCE & NETHERLANDS.	Roche's Point...	29.98	NNW	3	bc	30.01	+ .01	55	52	—	NNW	4	c	3	62	50	—		
	Pembroke ...	29.97	W	2	bc	29.96	- .03	55	54	—	ESE	1	f	2	60	52	0.04		
	Scilly ...	30.00	NW	4	0	29.99	- .13	58	56	—	NW	4	c	4	60	56	0.23		
	Prawle Point ...	30.00	SSW	4	f	29.98	- .16	59	58	+ .1	SE	1	b	0	59	49	0.65		
	Jersey ...	30.09	WSW	4	ogm	30.00	- .24	60	58	+ .1	SW	3	ogp	3	62	58	0.02		
	Hurst Castle ...	29.99	WSW	6	pm	29.95	- .16	58	58	—	SW	3	0	2	60	58	0.15		
	Dungeness ...	29.98	WSW	6	r	29.95	- .13	60	58	+ .2	W	4	0	3	62	58	0.08		
	London ...	29.97	SSW	2	op	29.96	- .11	60	59	+ .2	SW	1	0	*	64	57	0.13		
	Oxford ...	29.95	SW	3	r	29.96	- .08	56	55	—	SW	1	0	*	62	55	0.10		
	Cambridge ...	29.97	Z	0	r	29.95	- .06	59	57	+ .1	Z	0	c	*	63	55	0.10		
PENINSULA.	Yarmouth ...	29.93	SW	1	0	29.94	- .07	59	57	+ .2	WSW	2	cm	2	63	55	0.01		
	Cuxhaven ...	30.09	SW	4	0	30.02	- .16	57	56	+ .6	SW	2	f	*	61	51	—		
	Berlin ...	30.04	N	4	b	30.01	- .12	53	51	—	NW	3	0	*	70	50	—		
	Wiesbaden ...	*	*	*	*	30.09	- .06	53	51	—	Z	0	0	*	68	46	—		
	Munich ...	30.06	ENE	3	r	30.12	+ .09	50	48	+ .1	W	4	0	*	52	46	0.300		
	The Helder ...	29.96	SW	3	0	29.94	- .12	59	59	+ .4	S	1	f	1	59	55	0.20		
	Brussels ...	*	*	*	*	30.04	- .14	57	55	+ .5	SSW	4	0	*	57	?	0.12		
	Cape Gris Nez...	30.02	SW	8	r	29.97	- .15	59	58	+ .1	SW	5	0	4	61	57	0.16		
	Paris ...	30.12	SSW	1	bc	30.07	- .18	51	50	+ .6	SSW	1	0	*	65	45	—		
	Brest ...	30.04	SW	4	0	30.05	?	56	54	—	N	1	0	1	70	43	0.59		

WEATHER CHARTS

for 8 a.m. on

Monday, 3rd September

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4;
○ = dead calm.

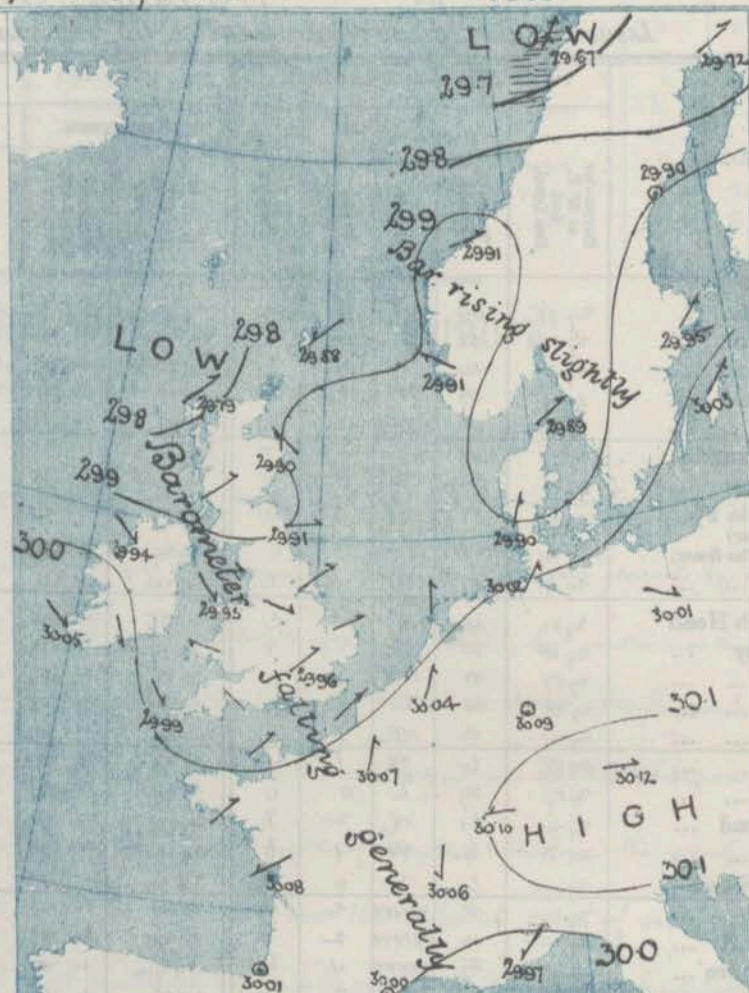
Sea Disturbance — where considerable, is shown thus.

— Rough — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September
During the 16 Years 1871 — 1886.

STATIONS	MEAN READINGS.
Sumburgh Head	29.768
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.850
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Sally	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

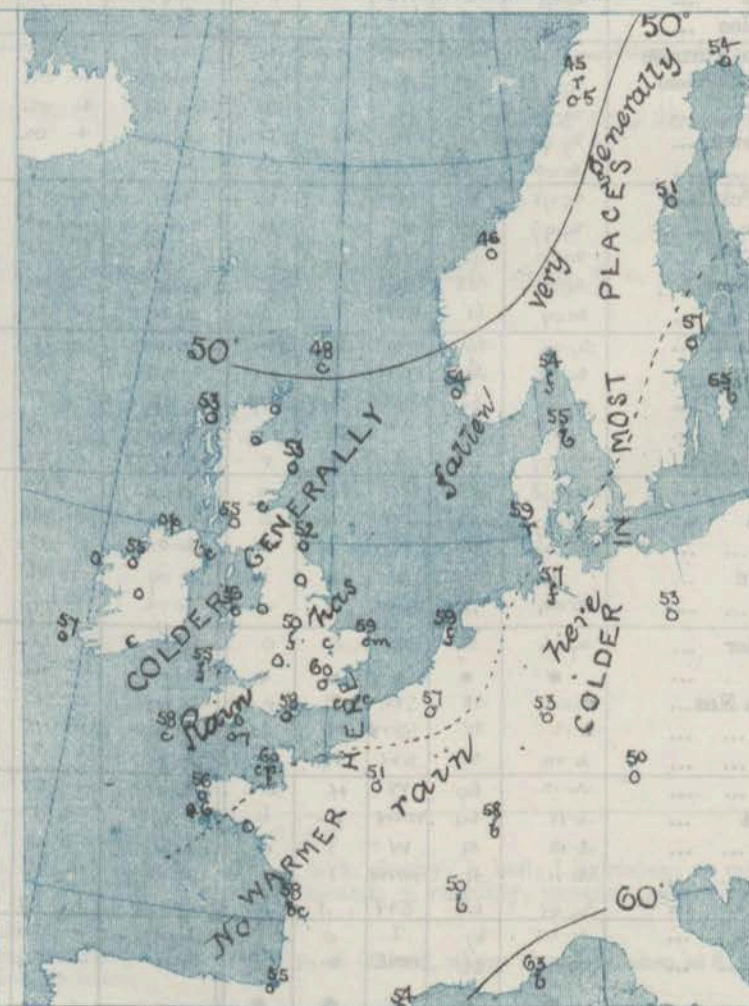
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of September.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	55.2	46.3	50.9	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.98
Loughborough	65.0	47.9	54.2	52.4	3.06
Ardrossan	59.7	43.6	53.5	51.3	3.87
Donaghadee	59.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.5	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.3	53.1	56.2	53.8	3.80
Sally	61.3	54.8	55.7	53.2	3.69
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	53.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.56
LONDON	66.8	49.4	55.9	53.6	2.59
Oxford	66.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

Note — The Temperature means are for the 16 years 1871 — 86, the Rainfall means are mainly those for the 20 years 1866 — 85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.12 in. at Munich, 30.0 and upwards over the whole of France, Germany and the Baltic, as well as the west and south of Ireland.</p> <p>Lowest, 29.67 in. at Bodo; 29.79 in. at Lonsoway.</p> <p>Gradients slight and very irregular. Barometer rising over the greater part of England and also in Scandinavia, but falling elsewhere.</p>
TEMPERATURE	<p>Highest, 63° at Nice, 61° at Lisbon and 60° in London and at Bomgness and Brest.</p> <p>Lowest, 45° at Bodo, 46° at Christianaund, 48° at Lonsoway Head, 50° at Munich, Lyon & Loughborough & 51° at Harmond & Paris.</p>
WIND	<p>Variable over the more Central parts of our islands as well as in the South of France.</p> <p>Light or moderate from NW. in the west and south of Ireland and the southwest of England.</p> <p>Chiefly SW elsewhere; light in force generally, but strong to a gale at Bodo.</p>
WEATHER	<p>Fine in the southeast of France, but cloudy and overcast in nearly all other parts of Western Europe.</p> <p>Fog is reported at Loughborough, Pembroke and Cuthaven and rain at Bodo and Paris.</p> <p>Rain fell yesterday in most places the largest amount being 0.7 in. at Prawle Point.</p>
SEA	<p>Brough at Bodo and moderate at the mouth of the Channel, but slight or smooth elsewhere.</p>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The small shallow depressions over England and the North Sea are inclined to fill up, but a larger disturbance is approaching the northwest of Scotland.

Conditions are likely to remain very unsettled.

FORECASTS

for the 24 hours ending at NOON on 4th September 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SW ⁴ winds, light or moderate; fair to dull and some rain.	6 { SCOTLAND WEST	SW ⁴ winds, light or moderate; dull, some rain.
1 { SCOTLAND EAST		7 { ENGLAND N. W.	
2 { ENGLAND N. E.	SW ⁴ and W ⁴ winds, light; changeable, some showers.	8 { ENGLAND S. W.	NW ⁴ & SW ⁴ winds, moderate, fair to unsettled and some rain.
3 { ENGLAND EAST		9 { IRELAND NORTH	
4 { MIDLAND COUNTIES	SW ⁴ and W ⁴ winds, moderate, fair generally, but some showers. Becoming cooler.	10 { IRELAND SOUTH	Same as N° 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.	Dry.	Wet.	Wind.	Woa.	Sea.		Bar.	Dry.	Wet.	Wind.	Woa.	Sea.
Skudesnaes ...	29.78	62	57	W 4	C	4	Holyhead ...	29.95	61	58	WNW 2	C	2
Sumburgh Head ...							Valencia ...						
Stornoway ...	29.84	55	54	Z 0	C	2	Sailly ...						
Aberdeen ...							Jersey ...	30.14	62	57	WSW 5	0	4
Shields ...							Dungeness ...	30.08	59	57	W 6	V	5
Ardrossan ...							London ...						
Malin Head ...	29.90	58	55	NW 2	bc	2	Yarmouth ...						
Mallaghmore ...							Rochefort ...	30.26	70	60	NNW 4	6	2
Balmullet ...	30.07	58	54	NW 3	bc	*							

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

The reports for yesterday morning showed that pressure was highest (30.2 in. and more) in two high pressure areas - one lying over the southern part of the Bay of Biscay and north of Spain, the other over central Russia, and that it exceeded 30.1 ins. in a well defined band (or col.) which lay across France, Germany and the Baltic provinces of Russia, thus uniting the two high pressure areas already referred to. To the northward barometric readings decreased in value to about 29.5 ins. in a depression which lay off the northwestern Norway, while to the southwards they decreased to about 30.0 ins. over the southeastern part of the Mediterranean, and to about 29.8 ins. in a depression which had appeared over the Gulf of Genoa and northern Italy. W. and S.W. winds of varying strength were prevalent over northwestern and northern Europe, and were accompanied by dull, close, and in many places rainy weather, while N.W. winds and fair but unsettled weather prevailed over the greater part of France and Germany, and cloudy showery weather in Austria, Germany and the south of France. Temperatures varied from 70° and more over the greater part of the Mediterranean, to less than 50° not only over northern Europe, but in several parts of France and western Germany - where readings were very low for the time of year. The highest individual values were 74° in Lissina, 76° at Brindisi, 75° at Palermo, Malta and Constantinople, 70° at Naples, 68° at Cagliari, 67° at Livorno and Lisbon, 63° at Langensalza, 62° at Corunna, and 60° at Sully and Harst Castle; the lowest were 41° at Loharville, 45° at Paris, and 46° at Cassel, 44° at Uleaborg, 50° at Kuopio, and 53° at Sumburgh Head and Christiansand.

Later in the day the rainy weather spread to central France, where temperatures rose.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM AUGUST 26TH TO SEPTEMBER 1ST 1888.

The weather experienced during this week has been of a changeable unsettled character, and the amount of Rainfall has been large.

It commenced with a cyclonic system of a somewhat complex type - the barometer being high over the Spanish Peninsula, the Baltic and Russia, and low in a large depression covering our Islands, and the centre of which lay off our extreme northwestern coasts. S.W. to W. winds were consequently prevalent, and while showery weather was experienced over all the western and northern parts of the Kingdom, that in the southeast was comparatively fine, and at times bright. On Tuesday a further complication appeared by the development off the south of Ireland of a shallow depression, which, as it moved north-eastward, grew much deeper, and brought heavy rain to England, and moderate to fresh S.W. to N.W. gales to our southwestern coasts and the Channel. By 6 p.m. on Tuesday the centre had reached our north midland counties; by 8 a.m. on Wednesday it lay off the west coast of Denmark, and the S.W. gales had reached the Netherlands, while an E. gale was felt in the south of Norway.

In the rear of this disturbance a V-shaped system which followed it, the barometer rose over the United Kingdom, and the weather improved, with very cold dewy nights (first early on Saturday), as an anticyclone spread over as far as the S.W. Early on Saturday, however, a new depression began to spread over Scotland from the North-westward, and at the end of the week, close rainy weather was again becoming general - even over our southern counties.

EXPLANATION OF 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. mist; (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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Tuesday 4th September. 1883.
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dirac.	Force. (0 to 12.)		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dirac.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	29.93	16	WSW	2	b	20.02	+ .30	52	51	- 2	WSW	2	bc	*	61	45	—	
Hernösand ...	29.99	51	Z	0	c	29.95	+ .05	54	53	+ 3	Z	0	f	*	65	46	0.08	
Stockholm ...	29.97	54	Z	0	b	29.89	- .06	54	52	- 3	ENE	2	o	*	66	50	—	
Wisby ...	29.97	53	S	2	b	29.82	- .21	58	57	+ 3	ENE	6	r	*	63	48	0.28	
Bodö ...	29.90	45	SW	8	c	29.90	+ .23	45	43	0	E	2	o	1	45	39	—	
Christiansund...	29.87	47	ENE	1	b	29.77	- .14	48	46	+ 2	E	3	b	5	50	43	—	
Skudesnaes ...	29.89	63	SE	2	r	29.75	- .13	56	53	+ 2	SE	6	o	5	58	53	—	
Christiania Fjord (Færdor)	29.89	55	SE	2	b	29.82	- .03	57	51	+ 3	WSW	3	bc	2	54	55	—	
Skagen (The Scaw)	29.89	53	Z	0	r	29.86	- .03	55	54	0	Z	0	o	0	63	50	0.08	
Fanö ...	29.93	57	SSW	1	o	29.88	- .02	59	57	0	SW	4	r	*	64	55	—	
BRITISH ISLANDS.																		
Sumburgh Head	29.73	52	SE	2	o	29.63	- .35	51	51	+ 3	WSW	1	o	3	53	49	0.25	
Stornoway ...	29.65	54	SW	6	r	29.57	- .22	52	52	- 1	SW	4	c	4	55	43	0.30	
Wick ...	29.73	54	SW	1	o	29.50	- .33	52	50	0	SW	3	c	2	60	45	0.16	
Nairn ...	29.74	57	Z	0	r	29.61	- .23	58	50	+ 1	SW	2	c	2	59	49	0.04	
Aberdeen...	29.78	57	SW	2	og	29.66	- .24	56	50	+ 3	N	2	c	1	58	52	0.02	
Leith ...	29.82	60	W	1	o	29.69	- .19	56	51	- 1	W	4	c	*	65	54	—	
Shields ...	29.85	58	SW	1	o	29.76	- .15	54	51	+ 2	SSW	4	c	2	60	50	0.03	
Spurn Head ...	29.90	58	SE	3	b	29.89	- .05	58	55	+ 4	SSW	3	b	2	61	53	—	
York ...	29.90	60	W	1	o	29.86	- .08	55	52	- 1	SSW	3	bc	*	68	51	—	
Loughborough	29.91	62	WSW	1	c	29.92	- .05	55	53	+ 5	WSW	2	bcw	*	68	50	—	
Ardrossan ...	29.83	56	WSW	3	r	29.76	- .13	55	52	0	WSW	4	c	3	58	52	0.03	
Malin Head ...	29.80	56	SW	4	om	29.76	- .14	54	49	+ 2	NNW	3	o	3	57	52	0.05	
Mullaghmore ...	29.83	56	SSW	4	om	29.81	- .13	55	51	0	SW	4	om	2	58	52	0.06	
Belmullet ...	29.81	56	SW	3	om	29.81	- .15	55	53	0	SW	2	o	*	57	52	0.09	
Donaghadee ...	29.87	57	SW	2	o	29.81	- .12	56	55	+ 1	W	3	bc	1	60	54	0.01	
GERMANY.																		
Barrow-in-Furness	29.90	57	WSW	3	c	29.83	- .10	57	56	+ 2	SW	4	r	*	61	55	—	
Liverpool (Bidston)	29.93	56	W	1	o	29.87	- .08	56	53	0	S	2	o	2	62	53	0.03	
Holyhead ...	29.93	56	SW	2	c	29.85	- .10	57	56	+ 1	SW	4	op	4	63	54	0.04	
Parsonstown ...	29.91	57	SW	2	o	29.87	- .13	55	54	+ 2	SW	2	r	*	60	52	0.04	
Valencia ...	29.94	56	SW	3	om	29.90	- .15	59	59	+ 2	WSW	3	o	2	59	54	0.25	
Roche's Point...	29.96	57	WSW	3	c	29.90	- .11	58	57	+ 3	WSW	2	o	3	62	54	0.01	
Pembroke ...	29.96	56	NNW	2	bc	29.90	- .06	58	57	+ 3	SW	4	op	4	59	55	0.04	
Scilly ...	30.00	59	NNW	3	c	29.98	- .01	59	58	+ 1	SW	4	om	4	62	54	0.03	
Prawle Point ...	29.96	59	W	2	bc	30.01	+ .03	58	55	- 1	WSW	2	aw	2	62	49	—	
Jersey ...	29.99	62	WSW	2	c	30.04	+ .04	60	57	0	W	3	bcw	3	67	54	—	
Hurst Castle ...	29.97	60	SW	3	c	30.01	+ .06	56	55	- 2	NW	1	b	0	63	52	—	
Dungeness ...	29.96	60	WSW	4	c	29.96	+ .01	61	59	+ 1	WSW	2	bc	1	65	53	—	
London ...	29.94	63	WSW	2	b	29.99	+ .03	55	53	- 15	WSW	2	o	*	68	52	—	
Oxford ...	29.95	59	SW	2	o	29.98	+ .02	54	53	- 2	SW	1	b	*	68	52	—	
Cambridge ...	29.93	62	SW	1	o	29.96	+ .01	57	55	- 2	SW	1	bc	*	70	49	0.35	
Yarmouth ...	29.93	61	N	1	cp	29.94	- .09	56	55	- 3	WSW	3	om	2	68	53	0.14	
Cuxhaven ...	30.02	57	SW	2	o	30.01	- .01	60	59	+ 3	SW	3	o	*	61	55	—	
Berlin ...	30.01	61	Z	0	o	30.03	+ .02	60	59	+ 7	NNW	1	o	*	64	?	—	
Wiesbaden ...	*	*	*	*	*	30.07	- .02	57	50	- 2	Z	0	b	*	66	48	—	
Munich ...	30.10	57	E	2	b	30.12	- .00	48	47	- 2	SE	3	bc	*	61	39	—	
FRANCE & NETHERLANDS.																		
The Helder ...	29.97	60	SW	1	c	29.93	- .01	60	59	+ 1	SW	3	c	3	63	55	—	
Brussels ...	*	*	*	*	*	30.01	- .03	61	59	+ 4	S	1	c	*	65	55	—	
Cape Gris Nez...	30.00	61	SW	3	c	29.98	+ .01	57	56	- 2	SSW	1	c	2	63	55	—	
Paris ...	30.01	63	SE	1	b	30.04	+ .03	57	50	0	Z	0	b	*	72	47	—	
Brest ...	30.05	51	NNW	3	b	30.07	+ .02	54	51	- 2	W	1	b	2	66	44	—	
Lorient ...	30.00	61	WSW	1	c	30.06	+ .05	57	55	- 3	NE	3	o	1	66	55	—	
Rochefort ...	30.03	65	NW	4	c	30.05	- .03	60	57	+ 2	NE	4	b	2	74	54	—	
Belfort ...	30.00	63	E	1	b	30.06	- .04	59	56	+ 2	E	1	b	*	65	45	—	
Lyons ...	29.99	62	ENE	1	c	30.05	- .01	53	51	+ 3	E	1	b	*	69	50	—	
Nice ...	30.00	64	ENE	4	c	29.99	+ .02	65	54	+ 2	NE	4	o	4	72	54	0.04	
Perpignan ...	29.95	61	Z	0	o	30.01	+ .01	58	57	+ 4	E	1	r	*	74	57	0.08	
Biarritz ...	30.00	65	NNW	4	o	30.04	+ .03	61	58	+ 6	NNW	5	r	2	66	59	—	
PENINSULA.																		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lisbon ...	29.95	63	NNW	5	c	29.91	- .04	61	55	0	NNW	8	bc	5	72	57	—	

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on

Tuesday, 4th September

1888.

BAROMETER, WIND & SEA

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10; →→ = forces 8 to 10;
→→ = forces 5 to 7; → = forces 1 to 4;
○ = dead calm.

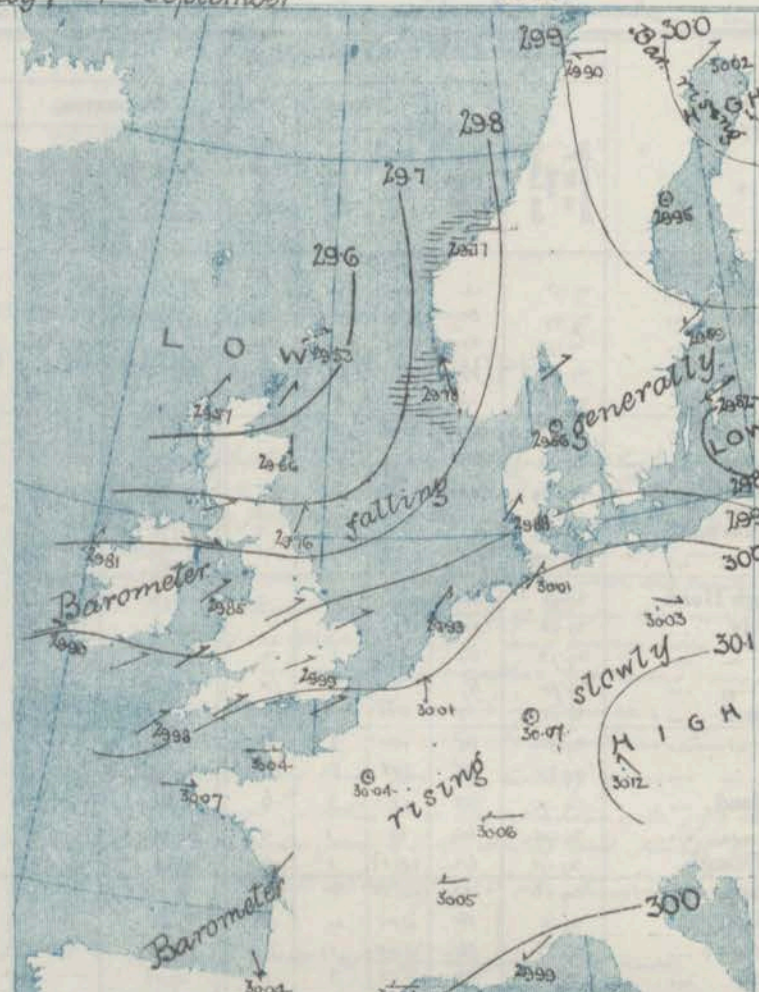
Sea Disturbance — where considerable is shown thus.

▨ = Rough ▨ = High

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September.
During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.766
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.850
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.889
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Seilly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather is shown by Letters of the Beaufort Scale.

Rainfall A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

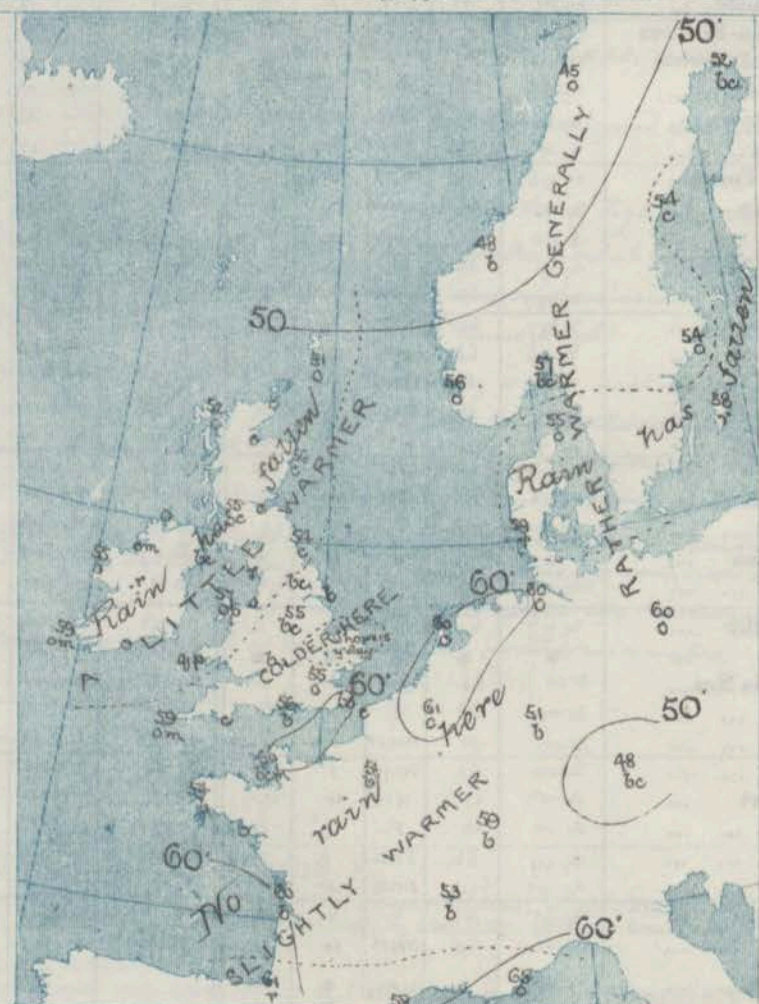
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	55.2	46.3	50.9	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.5	51.3	3.87
Donaghadee	59.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.6	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	53.1	56.2	53.8	3.89
Seilly	61.8	54.8	58.4	56.2	3.69
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.8	53.0	57.9	55.3	2.86
LONDON	66.3	49.4	55.9	53.6	2.59
Oxford	63.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

NOTE — The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 20 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.12 ins. at Munich, 30.0 ins. and upwards, over the whole of Germany, France and the Bay of Biscay, as well as in the north of Sweden.
 Lowest 29.6 ins. and less in a large and rather shallow depression off the north of Scotland, 29.8 ins. and less in a small disturbance south of our Islands, and the north of Scandinavia, but falling elsewhere. Barometer rising in France, Germany, the extreme north of our Islands, and the north of Scandinavia, but falling elsewhere.

TEMPERATURE

Highest 65° at Nice, 61° at Dungeness, Brussels, Perpignan, Biarritz, Lisbon, and 60° at Helder, Cuxhaven, Berlin, Jersey and Rochefort.
 Lowest 45° at Bodo, 48° at Christiansund and Munich, and 51° at Limerick Head, Weisbaden and Paris.

WIND

Moderate, S.W. over our Islands and the North Sea.
 E. or N.E. over the greater part of Scandinavia and France.

WEATHER

Fair over the eastern parts of the United Kingdom, as well as in Germany and the greater part of France.
 Cloudy elsewhere, with rain at several of our western stations and also at Ulsby, Feni, Biarritz and Perpignan.
 Showers fell yesterday in most parts of the Kingdom, but in some instances the amount of rain was not measurable.

SEA

Rather rough off the west of Norway, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is at present no sign of any improvement in the weather. The formation of a second high pressure area over the north of Scandinavia is likely to result in the development of further shallow disturbances over the North Sea and adjacent coasts, and showers will probably continue in nearly all districts.

FORECASTS

For the 24 hours ending at NOON on 5th September 1888.

DISTRICTS.

FORECASTS.

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

S.W. to S. winds, moderate, fair generally, but some showers.

S.W. and W. winds, moderate, fair to showery.

DISTRICTS.

FORECASTS.

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

Same as N^{os} 0 and 1.

S.W. winds moderate or fresh; unsettled, some showers.

WARNINGS

NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.90	58	52	SW 2	0	3	Holyhead ...	29.94	61	58	WNW 1	c	1
Sumburgh Head ...	29.79	59	49	SE 2	0	2	Valencia ...	30.00	60	57	SW 2	om	2
Stornoway ...	29.72	53	53	SW 4	r	4	Scilly ...	30.00	61	56	WNW 3	c	2
Aberdeen ...	29.52	56	54	S 2	ap	2	Jersey ...	30.00	66	61	S 2	c	2
Shields ...	29.86	59	57	ESE 1	r	2	Dungeness ...	29.97	63	59	WSW 4	bc	3
Ardrossan ...	29.87	55	54	WSW 3	c	2	London ...	29.94	68	62	S 2	cp	*
Malin Head ...	29.86	55	53	SW 3	0	3	Yarmouth ...	29.93	68	61	W 2	b	2
Mullaghmore ...	29.89	58	53	SW 4	0	3	Rocheport ...	30.06	72	62	NW 4	b.	2
Belmullet ...	29.88	57	55	WSW 3	r	*							

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

The reports for yesterday morning showed that pressure varied from 30.1 ins. and more over south Germany and Switzerland, and from 30.0 ins. and more over France, the Bay of Biscay, and the southwest of Ireland, to rather below 29.7 ins. over the northwest of Norway, and to rather below 29.8 ins. off our own extreme northwest coast. There was another depression (shallow) over Austria-Hungary. S.W. and W. winds were mainly prevalent over northwestern Europe, with close unsettled weather, and rain at times; over the central and southern parts of France there were variable airs and clear skies; in north Germany there were N. breezes and rain, while over Russia and southeastern Europe the weather was fair and the wind S.

Temperature was rather low generally - especially over France. It ranged from 76° at Biskra (Algeria) and Brindisi, 74° at Malta, 71° at Palermo, 69° at San-Fernando and Barcelona, and 68° at Hermanstadt, to 45° at Bodo, 46° at Christiansund, 48° at Sumburgh Head, 49° at Archangel, and 52° in the northeast of Scotland.

Showers fell in many places during the day, and over northwestern Europe the general condition remained changeable and unsettled.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for WEDNESDAY 5th SEPTEMBER 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force (0 to 12.)		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.84	54	S	2	c	29.56	- .46	57	57	+ 5	S	2	0	*	61	39	0.32	
	Hernösand ...	29.75	51	S	2	r	29.65	- .30	49	48	- 5	Z	0	f	*	59	48	0.12	
	Stockholm ...	29.79	53	Z	0	0	29.73	- .16	57	55	+ 3	SW	2	0	*	57	46	0.54	
	Wisby ...	29.88	55	S	2	bc	29.88	+ .06	60	57	+ 2	S	2	0	*	60	48	0.51	
	Bodö ...	29.76	47	ENE	2	0	29.60	- .30	47	46	+ 2	N	4	r	2	47	43	0.28	
	Christiansund...	29.65	49	NE	1	b	29.71	- .06	50	49	+ 2	SW	1	f	2	55	46	-	
	Skudesnaes ...	29.68	54	WSW	4	c	29.81	+ .03	53	52	- 1	W	2	c	3	59	54	-	
	Christiania Fjord (Fjorder)	29.75	57	SW	3	0	29.70	- .14	54	51	- 3	SSE	5	b	3	57	36	-	
	Skagen (The Seaw)	29.77	57	W	1	0	29.80	- .06	57	52	+ 2	NW	4	bc	3	63	54	0.04	
	Fanö ...	29.87	58	SW	4	b	29.91	+ .03	59	58	0	WSW	4	c	*	63	57	0.16	
BRITISH ISLANDS.	Sumburgh Head	29.58	52	W	2	bc	29.67	+ .14	53	53	+ 2	SSE	1	b	2	56	49	-	
	Stornoway ..	29.68	54	W	4	c	29.64	+ .07	54	52	+ 2	W	4	c	4	57	49	0.10	
	Wick ...	29.68	53	NNW	2	b	29.68	+ .08	53	52	+ 1	SW	3	0	1	59	41	0.07	
	Nairn ...	29.69	56	W	1	c	29.66	+ .05	55	53	+ 2	Z	0	c	1	62	45	0.02	
	Aberdeen...	29.73	59	W	2	bc	29.74	+ .08	53	51	- 4	S	2	omv	2	65	42	0.02	
	Leith ...	29.73	59	W	4	c	29.76	+ .07	61	58	+ 5	W	2	c	*	62	45	-	
	Shields ...	29.81	60	W	3	b	29.84	+ .08	58	56	+ 4	SW	2	0	2	64	46	-	
	Spurn Head ...	29.88	60	SW	3	c	29.95	+ .06	61	58	+ 3	SW	3	bc	3	64	54	0.10	
	York ...	29.85	60	W	3	bc	29.94	+ .06	60	58	+ 5	S	3	0	*	62	51	-	
	Loughborough	29.91	61	WSW	1	0	29.99	+ .07	61	59	+ 6	SW	2	c	*	66	54	-	
GERMANY.	Ardrossan ...	29.80	56	WSW	3	bc	29.80	+ .04	56	55	+ 1	WSW	4	bc	3	59	53	-	
	Malin Head ...	29.77	58	SSW	1	0	29.82	+ .06	56	53	+ 2	W	3	omv	3	60	52	0.34	
	Mullaghmore ...	29.79	58	WSW	4	opd	29.89	+ .08	56	54	+ 4	SW	4	0	3	60	54	0.10	
	Belmullet ...	29.80	58	WSW	2	0	29.91	+ .10	57	55	+ 2	W	4	0	*	59	54	0.10	
	Donaghadee ...	29.82	60	WSW	1	0	29.88	+ .07	59	57	+ 3	NNW	2	c	1	64	55	-	
	Barrow-in-Furness	29.85	57	NNW	3	bc	29.88	+ .05	58	58	+ 1	SSW	4	df	*	58	56	0.07	
	Liverpool (Bidston)	29.89	59	W	1	0	29.94	+ .07	61	58	+ 5	SW	2	0	2	61	56	0.03	
	Holyhead ...	29.87	58	SSW	3	omv	29.93	+ .08	58	57	+ 1	SSW	4	omv	4	61	57	0.05	
	Parsonstown ...	29.87	59	SW	2	r	29.95	+ .08	58	55	+ 1	Z	0	0	*	60	54	0.11	
	Valencia ...	29.95	59	WSW	3	omv	30.02	+ .12	59	58	0	W	1	bc	2	61	53	0.21	
FRANCE & NETHERLANDS.	Roche's Point...	29.92	60	W	4	0	29.97	+ .07	60	58	+ 2	WSW	2	0	3	62	57	-	
	Pembroke ...	29.93	58	SW	4	r	30.03	+ .13	59	58	+ 1	SW	4	r	4	60	57	0.01	
	Scilly ...	30.02	60	WSW	4	omv	30.11	+ .13	61	58	+ 2	WSW	4	0	4	64	57	0.01	
	Prawle Point ...	30.02	58	WSW	4	0	30.13	+ .12	58	57	0	WSW	3	c	2	60	53	-	
	Jersey ...	30.08	62	WSW	2	bc	30.19	+ .15	61	59	+ 1	W	4	ogm	3	64	52	-	
	Hurst Castle ...	30.03	60	WSW	5	c	30.12	+ .11	60	59	+ 4	W	4	cp	2	65	56	0.02	
	Dungeness ...	30.00	60	WSW	6	c	30.07	+ .11	59	58	- 2	WSW	5	0	4	65	58	0.03	
	London ...	29.99	61	WSW	3	og	30.08	+ .09	60	58	+ 5	WSW	2	c	*	68	54	0.04	
	Oxford ...	29.99	59	SW	3	0	30.06	+ .08	60	58	+ 6	WSW	3	0	*	66	54	-	
	Cambridge ...	29.94	62	SW	2	0	30.03	+ .07	61	59	+ 4	SW	2	0	*	68	55	-	
PENINSULA.	Yarmouth ...	29.94	63	WSW	2	bc	30.01	+ .07	60	59	+ 4	WSW	2	c	2	65	55	-	
	Cuxhaven ...	30.03	57	SW	2	0	30.01	00	60	59	0	SW	8	0	*	61	55	-	
	Berlin ...	30.04	65	SSE	1	bc	30.11	+ .08	60	56	0	Z	0	c	*	70	50	-	
	Wiesbaden ...	*	*	*	*	*	30.21	+ .14	55	53	+ 4	Z	0	c	*	70	48	-	
	Munich ...	30.15	59	E	1	0	30.20	+ .18	60	57	+ 12	SW	2	c	*	66	52	-	
	The Helder ...	29.97	60	SW	3	bc	30.02	+ .09	60	59	0	SW	3	r	3	64	59	0.04	
	Brussels ...	*	*	*	*	*	30.15	+ .14	57	54	- 4	WSW	4	0	*	70	54	-	
	Cape Gris Nez...	30.01	59	SW	7	r	30.07	+ .09	59	59	+ 2	SW	7	r	5	66	57	0.04	
	Paris ...	30.07	64	NNW	7	bc	30.22	+ .18	57	57	0	SW	1	b	*	75	47	-	
	Brest ...	30.15	62	SW	3	0	30.24	+ .17	60	58	+ 6	NW	3	0	2	64	41	-	
PENINSULA.	Lorient ...	30.13	62	NNW	5	b	30.20	+ .14	62	60	+ 5	NNW	3	0	2	66	55	-	
	Rocheport ...	30.12	67	NW	5	b	30.25	+ .10	6	59	+ 1	NNE	4	b	2	73	55	-	
	Belfort ...	30.07	67	E	1	b	30.23	+ .17	67	63	+ 8	W	1	b	*	73	49	-	
	Lyons ...	30.08	65	S	1	r	30.23	+ .18	62	56	+ 9	ESE	1	b	*	73	54	-	
	Nice ...	30.06	69	ENE	3	b	30.20	+ .21	65	59	0	ENE	4	bc	2	73	59	0.32	
	Perpignan ...	30.04	58	NNW	4	r	30.17	+ .16	59	57	+ 1	W	1	b	*	63	56	0.98	
PENINSULA.	Biarritz ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
PENINSULA.	Lisbon ...	29.93	67	NNW	8	b	30.08	+ .17	64	56	+ 3	NNE	7	b	2	77	61	-	

For Explanation of Columns, see p. 4.

‡ Received too late for insertion in Charts on p. 2

WEATHER CHARTS

for 8 a.m. on WEDNESDAY. 5TH SEPTEMBER. 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus—

→ = forces above 10; →→ = forces 8 to 10;
→→ = forces 5 to 7; → = forces 1 to 4;
⊙ = dead calm.

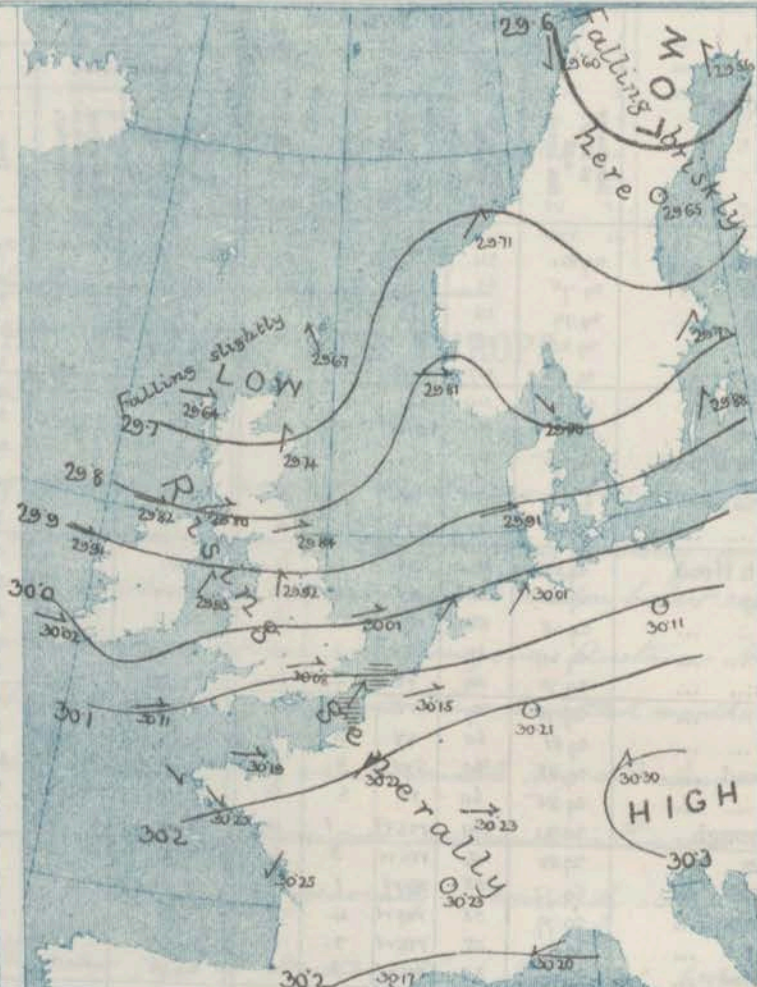
Sea Disturbance—where considerable, is shown thus.

— Rough. — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September.
During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.766
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.850
Donaghadee	29.889
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Scilly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature—Isotherms are drawn for each 10° Changes since previous morning are stated in words.

Weather—is shown by Letters of the Beaufort Scale.

Rainfall—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL. for the month of September.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	
Sumburgh Head	55.2	46.3	50.9	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.5	51.3	3.87
Donaghadee	59.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.5	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	53.1	56.2	53.8	3.89
Scilly	61.8	54.8	58.4	56.2	3.69
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	66.3	49.4	55.9	53.6	2.59
Oxford	63.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

Note—The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 20 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. to 30.5 ins. in a broad band lying east and west over Germany, France, the north of Spain and the Bay of Biscay.
Lowest 29.7 ins. and less over the north of Scotland, 29.6 ins. and less over Lapland.
Gradients slight in the south, moderate elsewhere. Barometer rising in the south and southwest, falling slightly in Scotland and considerably over the north of Scandinavia.
The second high pressure area noticed in the far north yesterday has disappeared.

TEMPERATURE

Highest 65° at Nice, 64° at Lisbon, 62° at Lorient, 61° at Scilly, Spurn Head and Leith.
Lowest 49° at Bodø, 49° at Harnöand, 52° at Aberdeen, and 53° at Lomburgh Head.
It has risen decidedly over England, and the air is damp and close over England and Ireland.

WIND

Light to moderate generally - NW^{ly} to NE^{ly} over the Bay of Biscay and Spain.
W^{ly} in Ireland and the west of Scotland - SW^{ly} over England and the Netherlands.
Very variable at the inland continental stations, calm over north Germany.

WEATHER

Clear and bright over France and Spain - cloudy in our Islands with misty showers in several places - dull over Scandinavia with fog at some stations, rain at others. Slight showers prevailed yesterday in most parts of our Islands.

SEA

Moderate in the English and Irish Channels, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometric rise in the south seems to be spreading northwards, so that after some further slight showers in several places the weather will probably improve a little, and the air become cooler and drier.

FORECASTS

for the 24 hours ending at NOON on 6th September 1888.

DISTRICTS.

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

FORECASTS.

SW^{ly} and W^{ly} breezes; slight local showers, then finer and cooler.

DISTRICTS.

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

WARNINGS

FORECASTS.

W^{ly} and SW^{ly} breezes, moderate; some showers, with bright intervals.

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.	Dry.	Wet.	Wind.	Wes.	Ses.		Bar.	Dry.	Wet.	Wind.	Wes.	Ses.
Skudesnæs ...	29.71	58	55	S 6	0	5	Holyhead ...	29.88	58	56	SSH 2	c	2
Sumburgh Head ...	29.56	54	52	WSH 1	c	2	Valencia ...	29.63	60	59	WSH 4	omg	4
Stornoway ...	29.66	57	53	W 4	0	4	Scilly ...	30.01	63	60	WSH 2	0	2
Aberdeen ...	29.70	64	54	WSH 2	bc	1	Jersey ...	30.08	63	57	WSH 3	b	3
Shields ...	29.77	63	57	WSH 3	c	2	Dungeness ...	29.96	64	59	WSH 5	b	4
Ardrossan ...	29.78	57	54	WSH 3	c	2	London ...	29.97	67	58	S 3	c	3
Malin Head ...	29.78	60	51	W 2	b	3	Yarmouth ...	29.94	65	57	WSH 3	b	2
Mullaghmore ...	29.80	59	56	SSH 4	om	2	Rochefort ...	30.10	72	65	NH 4	b	2
Belmullet ...	29.80	59	58	WSH 2	0	*							

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

The reports for yesterday morning showed that pressure varied from 30.3 ins. and more over central Russia, and from 30.0 ins. and more in a broad band of high pressure extending from Poland across Austria, Germany and France to the Atlantic and north of Spain, to 29.6 ins. and less, in a low pressure area lying off our northern coast, and to about 29.8 ins. in a secondary disturbance lying over the Baltic, between Gothland and Riga. Thus while variable airs and calms prevailed at the majority of the Continental stations, SW.⁴ breezes and changeable showery weather were reported over the British Islands and north of France, and SE.⁴ to E.⁴ breezes with showery weather over Scandinavia. In the neighbourhood of the Pyrenees the wind was NE.⁴, and the weather very rainy. Temperature varied from between 77° and 80° on the southern side of the Mediterranean to rather below 50° over the northwest of Norway. It was low for the time of year over France, Germany and western Russia. The highest readings reported were 80° at Sfax (Tunis), 74° at Malta, 75° at Brindisi, 73° at Constantinople, 72° at Palermo, 69° at Naples, 65° at Nice, 61° at Biarritz, and 60° at Berlin; the lowest were 45° at Bodo, 48° at Uleaborg and Christiansund, 50° at Nantes and Charleville, 51° at Sumburgh Head and Paris, 54° at Kuopio and Warsaw.

Later on the thermometer rose decidedly over England, with close showery weather, and pressure began to give way over northern Europe.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Thursday 6th SEPTEMBER, 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R.H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 2.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.53	52	Z	0	c	29.71	+ .15	50	49	- 7	N	2	bc	*	59	48	—	
	Hernösand ...	29.77	50	Z	0	b	29.89	+ .24	46	45	- 3	Z	0	c	*	61	46	0.08	
	Stockholm ...	29.88	54	SW	2	b	29.96	+ .23	56	52	- 1	SSW	2	0	*	64	46	0.28	
	Wisby ...	29.98	59	S	4	b	30.06	+ .18	58	56	- 2	S	2	c	*	64	54	—	
	Bodö ...	29.73	44	WNW	2	0	29.79	+ .19	45	44	- 2	ENE	3	c	1	48	41	0.04	
	Christiansund...	29.75	51	ENE	1	bc	29.73	+ .02	50	48	- 6	SW	4	r	3	54	48	0.04	
	Skudesnaes ...	29.84	54	S	8	r	29.80	- .01	56	53	+ 1	SSE	2	c	4	59	54	—	
	Christiania Fjord (Fjærdar)	29.86	58	WSW	5	b	29.82	+ .12	58	58	+ 4	SW	4	r	4	59	54	0.08	
	Skagen (The Scaw)	29.95	54	W	1	b	29.88	+ .08	58	57	+ 1	SW	2	0	3	?	?	0.04	
	Fanö ...	30.01	59	WSW	4	0	29.96	+ .05	60	60	+ 1	SW	4	0	*	63	59	—	
BRITISH ISLANDS.	Sumburgh Head	29.68	53	WSW	2	bc	29.63	- .04	50	50	- 1	S	1	c	3	57	45	0.04	
	Stornoway ..	29.68	56	W	6	bc	29.47	- .17	53	53	- 1	SW	6	r	6	60	43	0.20	
	Wick ...	29.74	54	NW	2	bc	29.60	- .08	54	50	+ 1	S	4	bc	2	62	48	—	
	Nairn ...	29.75	62	W	3	c	29.62	- .04	54	50	- 1	SW	2	b	2	63	46	—	
	Aberdeen...	29.82	57	E	1	c	29.79	- .01	53	49	+ 1	S	3	bc	1	64	45	0.01	
	Leith ...	29.81	59	W	3	c	29.76	- .05	54	49	- 7	W	4	bm	*	64	50	—	
	Shields ...	29.90	61	WSW	1	0	29.87	+ .03	55	51	- 3	S	3	bm	2	67	49	—	
	Spurn Head ...	29.97	63	SW	3	c	29.95	- .02	56	54	- 5	NNW	3	c	3	67	54	0.32	
	York ...	29.96	63	W	2	0	29.94	+ .02	55	53	- 5	SW	2	bc	*	66	52	0.12	
	Loughborough	30.01	63	SW	2	c	30.00	+ .01	54	54	- 7	WSW	2	c	*	66	53	0.22	
GERMANY.	Ardrossan ...	29.88	57	WSW	3	0	29.76	- .04	56	54	- 0	SW	5	0	4	61	52	—	
	Malin Head ...	29.85	56	W	5	bm	29.66	- .16	53	51	- 3	W	5	bc	4	60	49	0.10	
	Mullaghmore ...	29.93	57	WSW	5	bc	29.82	- .07	56	53	- 0	W	6	cp	5	62	50	0.07	
	Belmullet ...	29.94	57	WSW	6	b	29.88	- .03	52	51	- 5	NNW	6	r	*	59	51	0.13	
	Donaghadee ...	29.94	58	W	3	0	29.85	- .03	53	50	- 6	W	5	b	3	73	52	0.01	
	Barrow-in-Furness	29.96	57	W	3	0	29.92	+ .04	55	52	- 3	SW	6	bc	*	60	54	0.10	
	Liverpool (Bidston)	30.00	57	W	1	0	29.98	+ .04	56	51	- 5	SW	2	b	3	62	50	0.11	
	Holyhead ...	29.99	58	SW	2	0	29.97	+ .04	55	52	- 3	WSW	5	b	4	61	51	0.02	
	Parsonstown ...	30.02	57	SW	1	c	29.98	+ .03	54	51	- 2	SW	4	bc	*	62	48	0.01	
	Valencia ...	30.08	59	WSW	2	cm	30.11	+ .09	58	55	- 1	WSW	3	cp	3	62	52	—	
FRANCE & NETHERLANDS.	Roche's Point...	30.04	58	W	3	r	30.08	+ .11	55	52	- 5	W	3	b	3	65	49	0.02	
	Pembroke ...	30.06	59	SW	3	f	30.07	+ .04	56	52	- 3	WSW	4	bc	4	60	53	0.27	
	Scilly ...	30.14	60	SW	5	omw	30.14	+ .03	58	53	- 3	NNW	5	bc	5	64	53	0.09	
	Prawle Point ...	30.16	58	SW	3	0	30.11	- .02	55	53	- 3	W	3	rmg	2	61	53	0.10	
	Jersey ...	30.22	64	W	3	omw	30.17	- .02	62	58	+ 1	WSW	4	cg	3	66	58	—	
	Hurst Castle ...	30.15	61	W	5	c	30.09	- .03	60	59	- 0	WSW	5	cg	3	65	59	—	
	Dungeness ...	30.12	60	WSW	5	c	30.10	+ .03	61	58	+ 2	WSW	6	c	4	66	58	—	
	London ...	30.10	62	WSW	2	c	30.04	- .04	62	59	+ 2	SW	3	0	*	64	58	—	
	Oxford ...	30.11	60	SW	3	0	30.03	- .03	55	54	- 5	NW	3	ogr	*	64	55	0.10	
	Cambridge ...	30.05	62	SW	1	c	30.01	- .02	59	58	- 2	SW	2	a	*	69	54	—	
PENIN-SULA.	Yarmouth ...	30.05	63	WSW	2	c	29.98	- .03	61	59	+ 1	SW	4	c	3	66	57	—	
	Cuxhaven ...	30.12	58	SW	3	0	30.11	+ .10	60	59	- 0	SW	4	0	*	62	57	0.02	
	Berlin ...	30.17	67	W	1	b	30.18	+ .07	64	60	+ 4	Z	0	c	*	73	60	—	
	Wiesbaden ...	*	*	*	*	*	30.24	00	59	58	+ 4	SW	1	b	*	73	55	—	
	Munich ...	30.32	61	Z	0	b	30.31	+ .01	61	59	+ 1	SW	1	b	*	70	52	—	
	The Helder ...	30.08	61	SW	3	0	30.04	+ .02	60	59	- 0	SW	3	0	3	64	59	0.04	
	Brussels ...	*	*	*	*	*	30.16	+ .01	57	55	- 0	SW	3	0	*	65	54	—	
	Cape Gris Nez...	30.08	59	SW	7	c	30.08	+ .01	60	58	+ 1	SW	7	c	5	64	57	—	
	Paris ...	30.21	67	NNW	1	bc	?	?	52	52	+ 1	SE	1	b	*	76	49	—	
	Brest ...	30.27	61	WSW	4	0	30.18	- .06	60	56	- 0	S	4	0	2	66	?	—	

WEATHER CHARTS

for 8 a.m. on

Thursday, 6th September

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10; → = forces 8 to 10;

→ = forces 5 to 7; → = forces 1 to 4;

○ = dead calm.

Sea Disturbance — where considerable is shown thus.

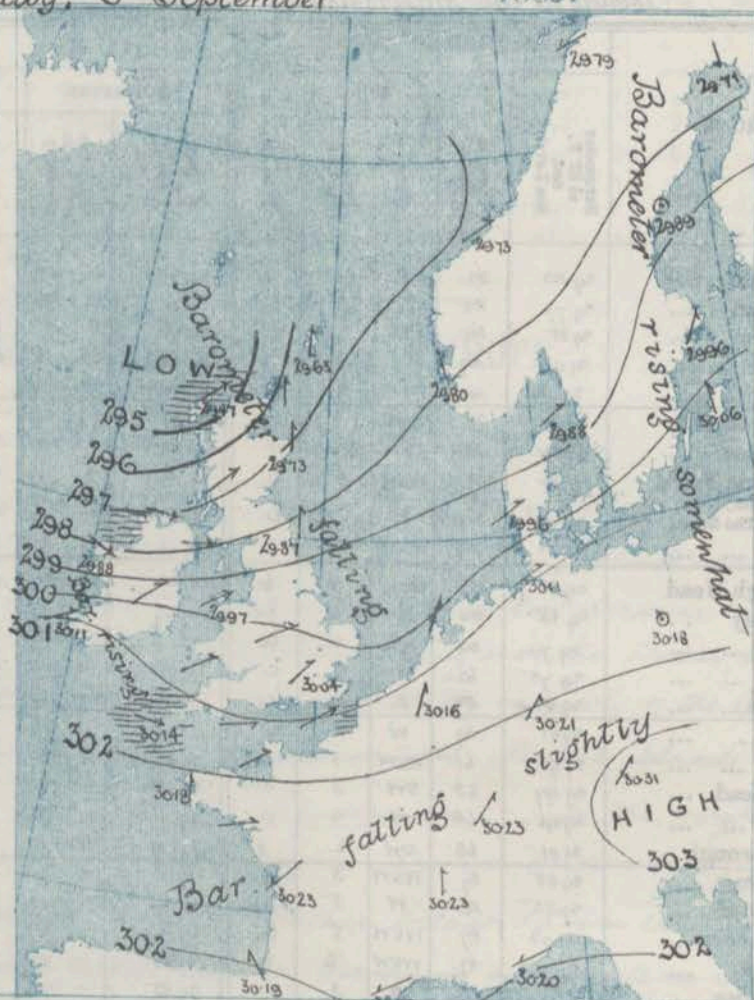
■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September.

During the 15 Years, 1871—1885.

STATIONS	MEAN READINGS.
	in.
Sumburgh Head	29.766
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.850
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.809
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Scilly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

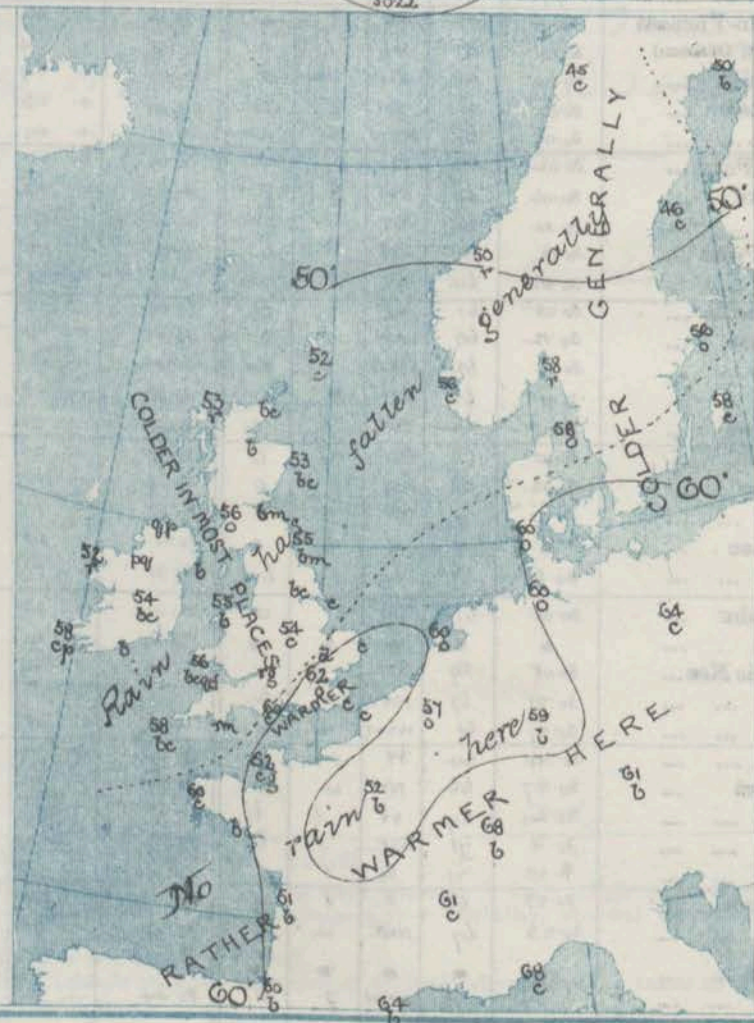
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	56.2	46.3	50.9	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.8	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.5	51.3	3.87
Donaghadee	59.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.5	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	53.1	56.2	53.8	3.80
Scilly	61.8	54.8	58.4	56.2	3.69
Jersey	66.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	66.3	49.4	55.9	53.6	2.59
Oxford	63.8	49.1	54.2	52.3	2.91
Cambridge	65.6	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

Note — The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 30 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.31 ins. at Munich; 30.2 ins. and upwards, over nearly the whole of Germany, France and the Bay of Biscay. Lowest 29.5 ins. and less, in a depression lying off the northwest of Scotland. Gradients rather steep over our north and northwest coasts, but moderate or slight elsewhere. Barometer falling at all but the Swedish stations, - briskly in the northwest of our Islands.
TEMPERATURE	Highest 69° at Lisbon, 68° at Belfort and Nice, 66° at Berlin and Perpignan and 52° in London and at Jersey. Lowest 45° at Bodø, 46° at Harnosand, 50° at Naparanda and Christiansund, 52° at Lumburg Head and Belmullet, and 53° at Stornoway, Aberdeen, Malin Head and Donaghadee. The readings in the southeast of England are about 5° above the average.
WIND	W. ^{by} in Ireland and the southwest of England; S.W. ^{by} or S. ^{by} in most other parts of northwest Europe. Fresh or strong in force on our northwest coasts and also over the eastern part of the Channel. Light or moderate from the E. ^{and} in the south of France.
WEATHER	Rainy on our extreme northwest coasts as well as at some of our southern and ^{the} Norwegian stations. Fair or fine in most other localities. Showers fell yesterday in many parts of the United Kingdom.
SEA	Rough at Stornoway and rather rough at Mullaghmore, Lilly and Cape Gris Nez, but moderate to smooth elsewhere.



PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the northwest of Scotland will probably travel away in a northeast direction, but shallow secondary disturbances are still advancing over us from the westward, and changeable, showery weather is likely to continue in most districts.

FORECASTS

for the 24 hours ending at NOON on 7th September 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S. and S.W. winds, strong; cloudy, some rain.	6 SCOTLAND WEST	S.W. and W. winds, strong; squally, some showers.
1 SCOTLAND EAST	S. and S.W. winds, freshening; fine to showery.	7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	W. winds, moderate or fresh; fair generally, but some showers.
3 ENGLAND EAST		9 IRELAND NORTH	Same as N ^o 6 and 7.
4 MIDLAND COUNTIES	S.W. winds, fresh; fair generally, but some showers.	10 IRELAND SOUTH	Same as N ^o 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.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.88	59	53	SSE 4	c	3	Holyhead ...	29.98	59	59	Z 0	cmp	0
Sanburgh Head ...	29.66	56	53	WSH 2	c	3	Valencia ...	30.06	61	59	SW 2	op	3
Stornoway ...	29.48	59	54	W 6	bc	5	Scilly ...	30.14	63	60	SW 4	od	4
Aberdeen ...	29.78	61	54	WNW 2	c	2	Jersey ...	30.23	65	60	SW 3	c	3
Shields ...	29.89	63	54	WSH 3	o	2	Dungeness ...	30.11	64	60	WSW 5	c	4
Ardrossan ...	29.88	60	57	WSH 3	o	2	London ...	30.10	64	60	WSW 3	o	*
Malin Head ...	29.86	60	55	WNW 4	o	5	Yarmouth ...	30.04	65	61	SW 3	c	3
Mullaghmore ...	29.93	60	55	WSW 5	cm	4	Rocheport ...	30.28	72	65	NW 4	b	2
Belmullet ...	29.96	57	54	WSH 4	og	*							

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

The reports for yesterday morning showed that the anticyclonic area noticed over Russia on Tuesday, and the broad high-pressure band which extended thence in a westerly direction across Germany and France to the Atlantic, were moving slowly in a southerly direction, but within their limits pressure had increased in value to between 30.2 ins. and 30.3 ins. To the northwards readings decreased to above 29.6 ins. in a depression over the north of Scandinavia, and to rather below 29.7 ins. in a large area of low pressure lying off our extreme northern coast. The consequence was that while variable airs and fine weather still held within the high-pressure zone, SW winds and showers were felt in the more northern and northwestern districts, and E winds in the south and southwest of France. — where, however, the tremendous rains of the previous day had ceased. Temperature had risen over England and northern Germany, and readings varied from upwards of 75° on the southern shores of the Mediterranean, and from 73° on the coast of Dalmatia to rather below 50° in the north of Norway. Over Germany and France, there was a zone in which the thermometer stood lower than ^{at} stations immediately to the northward or southward of it.

The highest 8 am values reported were 77° at Biskra, 76° at Tunis, La Calle, and Malta, 75° at Brindisi, 74° at Constantinople, 73° at Palermo, Lefina and Oporto, 72° at Baghara, 68° at Trieste, 67° at Belfort, and 65° at Nice; the lowest were, 47° at Bodo, 49° at Hernisand, and 50° at Christiansund.

Very little change occurred during the day.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for FRIDAY 7th SEPTEMBER. 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	Shade Temp.	Max.	Min.	Am. of Rainfall.
			Dir.	Force (0 to 12.)		Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)						
SCANDINAVIA.	Haparanda ..	29.83	50	SH	2	0	29.65	- .06	51	51	+ 1	SH	2	r	*	57	41	0.35
	Hernösand ...	29.80	52	S	4	0	29.71	- .13	52	52	+ 6	L	0	f	*	63	39	0.12
	Stockholm ...	29.86	52	SSE	2	0	29.79	- .17	60	57	+ 4	SSH	2	0	*	63	45	—
	Widby ...	30.00	60	S	6	0	29.84	- .17	60	58	+ 2	SSH	4	0	*	64	54	—
	Bodö ...	29.72	46	W	2	0	29.70	- .09	45	44	0	NSH	2	r	1	48	43	0.12
	Christiansund...	29.75	50	ESE	1	bc	29.77	+ .04	51	50	+ 1	W	1	f	3	54	46	0.04
	Skudesnaes ...	29.75	55	SSE	4	0	29.79	- .01	53	50	- 3	L	0	0	3	?	?	—
	Christiania Fjord (Hardest)	29.78	57	SSH	5	b	29.75	- .07	55	53	- 3	NSH	2	b	2	57	54	0.08
	Skagen (The Seaw)	29.82	54	NSH	1	0	29.82	- .06	54	52	- 4	NSH	2	c	2	59	50	0.24
	Fanö ...	29.87	56	SH	4	r	29.87	- .09	59	55	- 1	NSH	4	bc	*	63	54	0.08
BRITISH ISLANDS.	Sumburgh Head	29.63	53	SSE	1	c	29.91	+ .28	52	50	0	N	2	c	3	56	47	—
	Stornoway ...	29.48	52	NW	5	r	30.07	+ .60	49	49	- 4	NNH	6	r	5	58	46	0.35
	Wick ...	29.56	57	NW	1	bc	30.00	+ .40	51	50	- 3	N	3	c	1	57	44	0.07
	Nairn ...	29.58	54	NSH	2	0	30.00	+ .38	50	49	- 4	W	3	c	2	62	49	0.08
	Aberdeen...	29.61	55	SSH	2	bc	29.97	+ .24	52	49	- 1	NNW	4	cpe	3	61	56	0.01
	Leith ...	29.66	58	W	5	bc	29.96	+ .20	54	50	0	NNH	2	c	*	65	49	0.04
	Shields ...	29.77	57	SW	4	c	29.88	+ .01	52	49	- 3	W	2	c	2	62	49	—
	Spurn Head ...	29.90	57	W	5	bc	29.94	- .01	55	52	- 1	W	4	bc	3	63	51	—
	York ...	29.89	58	NSH	4	bc	29.94	00	53	51	- 2	W	2	bc	*	64	49	—
	Loughborough	29.96	59	W	3	c	30.01	+ .01	52	51	- 2	W	2	c	*	65	50	0.01
GERMANY.	Ardrossan ...	29.72	55	W	5	cpe	30.01	+ .25	55	53	- 1	NNH	3	bc	2	56	50	0.05
	Malin Head ...	29.79	55	NNH	5	c	30.11	+ .15	54	51	+ 1	NNH	4	cpe	4	57	53	0.06
	Mullaghmore ...	29.93	55	NNH	7	cpe	30.17	+ .35	55	52	- 1	NNH	6	bc	5	59	50	0.18
	Belmullet ...	29.99	55	NNH	5	bc	30.26	+ .38	54	52	+ 2	NNH	3	bc	*	58	51	0.08
	Donaghadee ...	29.84	55	NNH	5	bc	30.26	+ .21	54	53	+ 1	NNH	6	c	4	59	50	0.53
	Barrow-in-Furness	29.85	58	SH	6	c	29.95	+ .03	54	53	- 1	N	4	bc	*	58	53	0.07
	Liverpool (Bidston)	29.91	57	NSH	4	bc	29.99	+ .01	54	51	- 2	NNH	5	0	4	62	52	0.11
	Holyhead ...	29.94	55	NSH	5	bc	30.04	+ .07	53	52	- 2	NNH	5	cpe	5	61	52	0.21
	Parsonstown ...	30.02	55	NSH	1	bc	30.20	+ .22	53	50	- 1	NNH	1	c	*	60	47	0.08
	Valencia ...	30.15	57	NNH	4	0	30.30	+ .14	56	53	- 2	NNH	3	c	4	62	52	0.06
FRANCE & NETHERLANDS.	Roche's Point...	30.09	58	NNH	5	c	30.20	+ .12	55	51	0	NNH	4	b	4	62	51	—
	Pembroke ...	30.05	58	W	5	b	30.13	+ .06	54	51	- 2	NNH	4	bc	4	59	53	—
	Scilly ...	30.18	59	NNH	5	c	30.19	+ .05	58	53	0	NNH	6	c	6	60	53	—
	Prawle Point ...	30.14	56	W	4	b	30.14	+ .03	57	55	+ 2	W	3	bc	2	62	49	—
	Jersey ...	30.16	61	NNH	3	b	30.16	- .01	59	55	- 3	NNH	4	bc	3	65	55	—
	Hurst Castle ...	30.09	61	NNH	3	b	30.09	00	55	54	- 5	NNH	4	bc	2	66	54	—
	Dungones ...	30.02	60	W	5	c	30.01	- .09	58	50	- 3	NNH	3	bc	3	66	50	—
	London ...	30.03	60	W	2	b	30.04	00	56	52	- 6	NNH	2	c	*	64	48	0.01
	Oxford ...	30.05	54	SH	2	b	30.05	+ .02	51	50	- 4	W	1	op	*	65	48	—
	Cambridge ...	29.99	59	W	1	b	30.01	00	55	53	- 4	W	1	c	*	65	47	0.03
PENIN. SULA.	Yarmouth ...	29.96	61	W	2	b	29.98	00	55	52	- 6	W	3	bc	2	63	48	0.01
	Cuxhaven ...	30.01	57	SH	3	c	30.00	- .11	58	57	- 2	SH	3	c	*	61	55	—
	Berlin ...	30.04	71	L	0	0	30.01	- .17	62	59	- 2	L	0	c	*	75	59	—
	Wiesbaden ...	*	*	*	*	*	30.06	- .15	61	57	+ 2	L	0	bc	*	72	55	—
	Munich ...	30.17	64	NE	1	0	30.16	- .15	61	57	0	SH	5	r	*	73	55	0.08
	The Helder ...	29.97	57	W	1	c	29.96	- .08	58	55	- 2	NSH	3	bc	3	63	55	0.04
	Brussels ...	*	*	*	*	*	30.08	+ .08	53	52	- 4	SH	4	b	*	64	50	0.04
	Cape Gris Nez...	30.03	59	SH	5	bc	30.02	- .06	57	57	- 3	W	5	c	4	64	52	—
	Paris ...	30.12	66	NNH	1	bc	30.16	?	55	52	+ 3	SH	1	bc	*	76	51	—
	Brast ...	30.30	59	NNH	1	0	30.25	+ .07	57	54	- 3	NNH	4	b	4	64	?	0.04
PENIN. SULA.	Lorient ...	30.21	60	N	4	0	30.23	- .01	57	55	- 2	NNH	3	b	2	66	55	—
	Rocheport ...	30.28	67	NNH	5	b	30.23	00	58	56	- 3	NNE	5	c	2	73	52	—
	Belfort ...	30.08	71	SH	1	b	30.13	- .10	66	63	- 2	W	1	c	*	77	59	—
	Lyons ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Nice ...	30.13	74	NE	1	c	30.07	- .13	70	64	+ 2	NE	3	c	0	82	65	—
	Perpignan ...	30.14	68	E	1	0	30.13	- .09	66	65	+ 2	L	0	0	*	78	63	—
	Biarritz ...	30.13	69	NNH	3	c	30.15	- .04	64	61	+ 4	NNE	4	0	3	75	60	—
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	29.93	73	NNH	8	b	29.95	- .09	69	62	0	NE	5	b	5	84	?	—

WEATHER CHARTS

for 8 a.m. on

Friday, 7th September

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10; → = forces 8 to 10;

→ = forces 5 to 7; → = forces 1 to 4;

○ = dead calm.

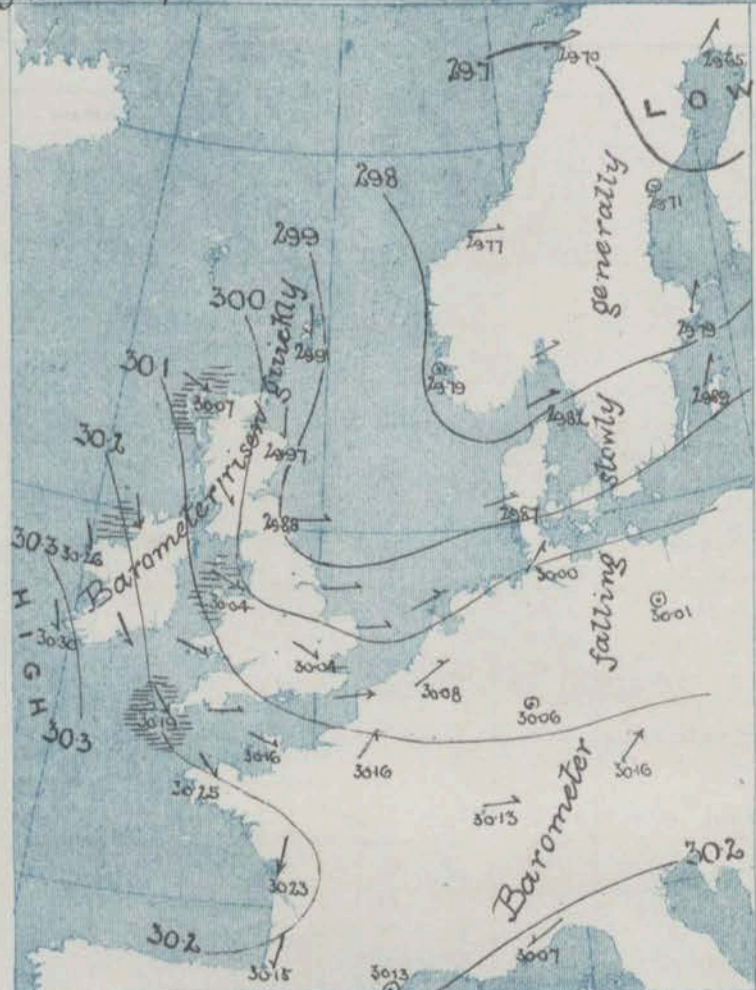
Sea Disturbance — where considerable, is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September.
During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.766
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.850
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Scilly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

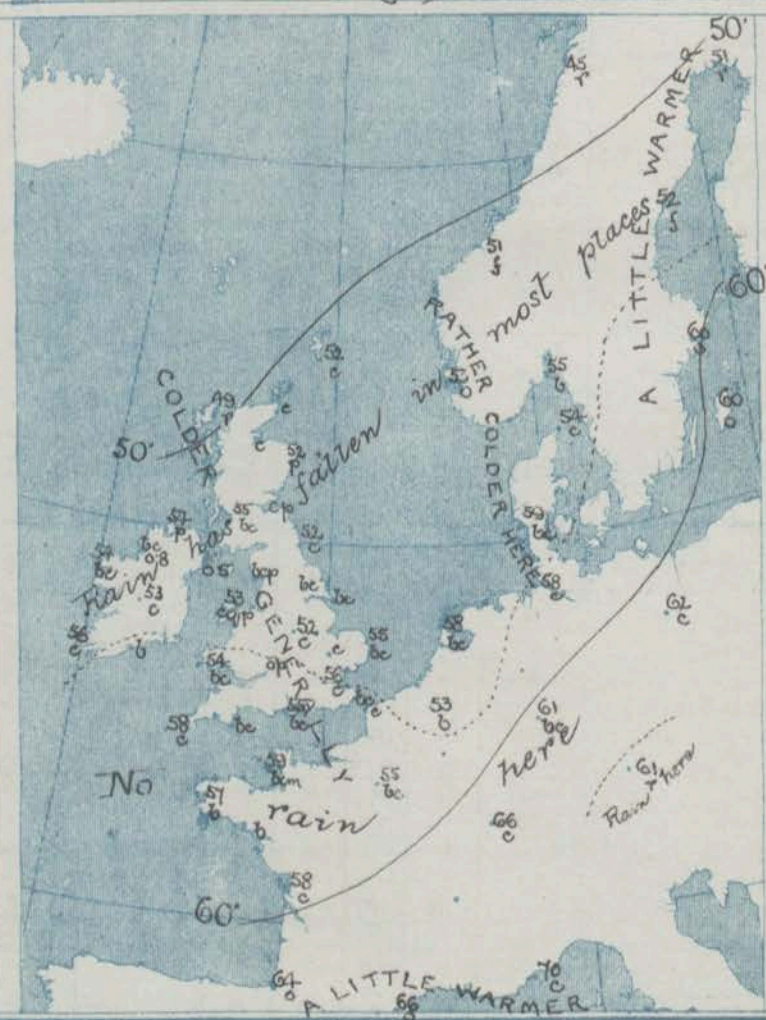
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of September.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	55.2	46.3	50.9	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.06
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.5	51.3	3.87
Donaghadee	59.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.5	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	53.1	56.2	53.8	3.89
Scilly	61.3	54.8	58.4	56.2	3.69
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	66.3	49.4	55.9	53.6	2.59
Oxford	63.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

Note — The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 20 years 1866—85



GENERAL SITUATION AT 8 A.M.

PRESSURE	{ Highest 30.30 ins. at Valencia; 30.1 ins. and upwards, over our west coasts generally as well as the Bay of Biscay, France and south Germany. Lowest 29.7 ins. and less, over the north of Scandinavia. Shallow depressions are apparently lying over Norway and the North Sea. Gradients moderate. Barometer rising in our Islands, — quickly in the west and north — but falling at most of the Continental stations.
TEMPERATURE	{ Highest 70° at Nice, 69° at Lisbon, 66° at Belfort and Perpignan, 64° at Biarritz, 62° at Berlin, and 61° at Alsbjæden and Munich. Lowest 45° at Bodø, 49° at Stormsøy, 50° at Nairn, and 51° at Haparanda, Christiansund, Wick and Oxford.
WIND	{ Fresh or strong from the NW ² over western and northern coasts, N ⁶ or NE ⁶ in the south of France. Moderate from W in the east and south of England; light from SW over Scandinavia, Denmark and the Netherlands.
WEATHER	{ Rainy in the north of Scandinavia and showery over the northern parts of the United Kingdom. Fair or fine at present in most other localities. Showers fell yesterday in many parts of our Islands.
SEA	{ Rough at Scilly and rather rough at several of our western and northwestern stations, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer continues to rise briskly in the west, and NW⁶ winds are therefore likely to become general. The slight irregularities in pressure which exist in many places will probably occasion a continuance of showery weather.

FORECASTS

For the 24 hours ending at NOON on 8th September 1888.

DISTRICTS.

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

FORECASTS.

NW⁴ and N⁴ winds, fresh; changeable, some cold showers.

W⁴ to NW⁴ winds, moderate or fresh; cool, changeable, some showers.

DISTRICTS.

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

FORECASTS.

Same as N² 0 and 1.

NW⁴ winds, fresh or strong; squally, some showers.

NW⁴ winds, moderate or fresh; fair generally, but some showers.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Therm.	Wet.	Wind.	Wet.	Sea.		Bar.	Therm.	Wet.	Wind.	Wet.	Sea.
Skudesnaes ...	29.79	60	53	S 4	c	3	Holyhead ...	29.95	54	52	W 5	pgm	5
Sumburgh Head ...	29.62	54	51	SEF 2	bc	3	Valencia ...	30.14	62	57	W 4	bcmg	5
Stornoway ...	29.60	54	53	NW 3	o	3	Scilly ...	30.17	60	55	WNW 5	bc	5
Aberdeen ...	29.63	60	53	SSW 4	cq	2	Jersey ...	30.17	59	57	WNW 3	o	3
Shields ...	29.77	60	52	ESW 4	c	2	Dungeness ...	30.03	63	59	W 5	c	4
Ardrossan ...	29.71	54	53	SW 4	r	4	London ...	30.04	63	58	WNW 4	c	*
Malin Head ...	29.72	56	53	WNW 6	c	6	Yarmouth ...	29.98	61	57	WSW 3	bc	3
Mullaghmore ...	29.88	57	54	W 8	cpq	6	Rochefort ...	30.23	73	64	NW 4	b	2
Belmullet ...	29.96	56	53	WNW 5	cp	*							

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

The reports for yesterday morning showed that pressure was still highest 30.2 ins. and more over the southern parts of Russia, Austria, Germany and France, with the Bay of Biscay and Spain, and that it decreased in a northerly direction to about 29.7 ins. over Lapland, and to rather below 29.5 ins. in a depression which had appeared near the Hebrides. Calms, variable airs and fine weather prevailed over nearly the whole of the Continent, but over our Islands and their neighbourhood the wind was S.W. to W.S.W. and blew freshly at many stations with cloudy, close weather, and in some places rain.

Temperature which had risen considerably over some parts of Algeria, varied from 90° at Biskra, 82° at La Calle and Laghari, 77° at Malta, 75° at Brindisi, Naples, Livourne and Lesina, 72° at Constantinople, 70° at Trieste, and 68° at Nice to between 52° and 62° over the British Islands to 50° at Christiansund and Naparanda, 46° at Hernösand, and 45° at Bodö.

Later in the day the depression in the northwest moved eastwards, the barometer rose decidedly at our western stations, and, with a fall of temperature, the weather cleared temporarily over the United Kingdom.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for SATURDAY 8th SEPTEMBER 1888.

Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 5 P.M. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer, Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.		SHADE TEMP.		Difference from 8 A.M. yesterday.	WIND.		Weather.	Sun (0 to 9.)	Moon (0 to 9.)	SHADE TEMP.		Amount of Rainfall.
			Dir.	Force (0 to 12.)					Dry.	Wet.		Dir.	Force (0 to 12.)				Max.	Min.	
SCANDINAVIA.																			
Haparanda ..	29.54	51	SW	2	r	29.76	+ 1.4	43	42	—	8	N	2	0	*	*	57	?	0.24
Hernösand ...	29.79	47	Z	0	b	29.96	+ 2.5	50	46	—	20	NN	2	0	b	*	64	46	—
Stockholm ...	29.84	53	Z	0	b	29.95	+ 1.6	53	50	—	7	Z	0	0	b	*	63	50	0.08
Wisby ...	29.91	56	SW	2	b	30.00	+ 1.1	57	55	—	3	WSW	2	0	*	*	66	55	—
Bodö ...	29.76	44	N	2	0	29.99	+ 2.9	41	37	—	4	WNW	4	0	b	2	46	37	0.12
Christiansund...	29.90	49	W	0	r	30.23	+ 4.6	46	42	—	5	NN	5	0	5	5	52	43	0.57
Skudesnaes ...	29.96	53	NNW	6	c	30.15	+ 3.6	52	47	—	1	NNW	6	0	b	3	57	?	—
Christiania Fjord (Farder)	29.82	53	WSW	2	b	29.99	+ 2.4	54	49	—	1	NNE	5	0	b	2	59	50	—
Skagen (The Seaw)	29.86	54	W	1	b	29.96	+ 1.4	54	53	—	0	Z	0	0	b	0	61	46	—
Finnö ...	29.95	54	WSW	3	b	30.02	+ 1.5	53	51	—	6	NN	4	0	*	*	63	50	0.04
BRITISH ISLANDS.																			
Sumburgh Head	30.44	47	N	3	0	30.39	+ 4.5	45	40	—	7	NNW	1	0	3	3	55	41	0.02
Stornoway ...	30.29	50	NN	4	0	30.44	+ 3.7	48	47	—	1	Z	0	0	2	2	65	40	0.20
Wick ...	30.25	50	N	3	0	30.45	+ 4.5	48	45	—	3	N	1	0	0	0	55	42	0.02
Nairn ...	30.27	53	W	2	c	30.47	+ 4.7	44	43	—	6	W	1	0	b	1	57	42	—
Aberdeen...	30.22	49	NN	2	cp	30.47	+ 5.0	47	43	—	5	NNW	2	0	c	2	57	44	0.03
Leith ...	30.24	57	NNE	1	c	30.46	+ 3.0	57	47	—	3	NNE	1	0	*	*	62	43	0.02
Shields ...	30.15	55	N	3	b	30.39	+ 5.1	47	44	—	5	N	3	0	c	1	55	43	0.04
Spurn Head ...	30.10	55	N	5	b	30.36	+ 4.2	53	49	—	2	N	5	0	b	3	57	49	0.21
York ...	30.15	55	NNW	3	c	30.41	+ 4.7	50	47	—	3	NN	2	0	*	*	60	45	0.03
Loughborough	30.15	56	NNW	2	c	30.42	+ 4.1	49	47	—	3	NN	2	0	cp	*	62	43	0.09
Ardrossan ...	30.21	53	NN	3	b	30.46	+ 4.5	51	49	—	4	Z	0	0	0	0	63	45	—
Malin Head ...	30.32	53	NNW	3	cp	30.50	+ 3.9	52	47	—	2	N	3	0	b	3	54	50	—
Mullaghmore ...	30.36	54	NNW	5	c	30.52	+ 3.5	52	48	—	3	NNW	3	0	2	2	58	51	—
Belmullet ...	30.41	54	NNE	5	b	30.53	+ 2.7	54	49	—	0	NNE	3	0	*	*	57	48	—
Donaghadee ...	30.25	55	NE	5	b	30.47	+ 4.1	52	50	—	2	NNE	5	0	3	3	59	51	—
Barrow-in-Furness	30.19	56	NE	3	c	30.41	+ 4.6	52	49	—	0	NE	2	0	*	*	61	49	0.02
Liverpool (Blanton)	30.20	55	NNW	3	c	30.44	+ 4.5	52	48	—	0	SE	1	0	3	3	61	50	0.13
Holyhead ...	30.23	54	NNW	5	b	30.43	+ 3.9	54	52	—	1	NNW	2	0	b	2	58	53	—
Parsonstown ...	30.33	57	NN	2	b	30.52	+ 3.2	49	46	—	4	NN	1	0	*	*	62	40	—
Valencia ...	30.40	58	NNW	3	b	30.53	+ 2.3	54	49	—	2	NE	3	0	4	4	62	44	—
Roche's Point...	30.31	62	N	4	b	30.49	+ 2.9	51	47	—	4	N	3	0	9	9	65	44	—
Pembroke ...	30.26	56	N	3	b	30.44	+ 3.1	53	52	—	1	NNE	3	0	2	2	59	50	—
Scilly ...	30.26	58	N	5	c	30.41	+ 3.2	58	53	—	0	NE	4	0	4	4	59	54	—
Prawle Point ...	30.20	56	NN	2	b	30.42	+ 2.8	57	52	—	0	NNE	3	0	b	1	65	47	—
Jersey ...	30.19	61	NNW	3	b	30.38	+ 2.2	58	52	—	1	NE	3	0	3	3	64	53	0.02
Hurst Castle ...	30.15	55	NNW	3	b	30.39	+ 3.0	57	50	—	4	NN	3	0	2	2	65	43	0.02
Dungeness ...	30.06	58	N	1	cp	30.29	+ 2.8	52	50	—	6	N	4	0	b	3	66	47	0.17
London ...	30.11	56	NNW	2	b	30.36	+ 3.2	57	49	—	5	NNE	3	0	b	*	64	46	0.06
Oxford ...	30.22	50	N	3	b	30.41	+ 3.6	57	48	—	0	N	2	0	*	*	61	42	0.02
Cambridge ...	30.14	55	N	2	c	30.38	+ 3.7	57	49	—	4	N	2	0	*	*	64	45	0.01
Yarmouth ...	30.05	56	NN	3	c	30.30	+ 3.2	52	57	—	3	N	5	0	cp	4	60	51	0.17
Cuxhaven ...	30.02	54	WSW	2	c	30.09	+ 0.9	58	57	—	0	NN	4	0	*	*	61	53	0.08
Berlin ...	30.02	62	Z	0	b	30.04	+ 0.3	53	50	—	9	NN	3	0	*	*	72	52	0.12
Wiesbaden ...	*	*	*	*	*	30.13	+ 0.7	55	50	—	6	N	5	0	b	*	70	52	—
Munich ...	30.08	62	SW	3	r	30.09	— 0.7	55	55	—	6	NE	1	0	r	*	72	55	0.71
FRANCE & NETHERLANDS.																			
The Helder ...	30.02	57	NNW	1	t	30.18	+ 2.2	55	52	—	3	N	4	0	3	3	61	54	0.08
Brussels ...	*	*	*	*	*	30.22	+ 1.4	54	52	—	1	NN	1	0	b	*	61	49	0.04
Cape Gris Nez...	30.07	57	W	3	c	30.27	+ 2.5	55	53	—	2	NNE	7	0	5	5	63	54	0.04
Paris ...	30.13	59	NN	1	b	30.26	+ 1.0	50	50	—	5	NNW	3	0	b	*	70	43	—
Brest ...	30.28	59	NNW	4	b	30.39	+ 1.4	57	50	—	6	NE	4	0	2	2	64	?	—
Lorient ...	30.21	61	NNE	7	b	30.34	+ 1.1	53	51	—	4	NNE	5	0	2	2	64	50	—
Rochefort ...	30.19	66	NN	7	b	30.30	+ 0.7	53	50	—	5	NE	5	0	2	2	70	48	—
Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lyons ...	30.02	64	SE	1	0	30.18	— 1.8	54	51	—	7	NN	4	0	*	*	78	53	0.32
Nice ...	29.97	53	W	1	b	29.89	— 1.8	63	60	—	7	ENE	4	0	b	0	82	63	—
Perpignan ...	30.00	71	Z	0	0	30.07	— 0.6	63	59	—	3	W	3	0	r	*	79	61	0.32
Biarritz ...	30.17	61	NNE	5	r	30.23	+ 0.8	57	55	—	7	ENE	4	0	b	3	66	55	0.12
PENIN. SULA.																			
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lisbon ...	29.93	76	NN	7	c	29.95	— 0.0	69	66	—	0	NNE	5	0	2	2	82	66	—

WEATHER CHARTS

for 8 a.m. on

Saturday, 8th September

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10; →→ = forces 8 to 10;

→→ = forces 5 to 7; →→ = forces 1 to 4;

○ = dead calm.

Sea Disturbance — where considerable is shown thus.

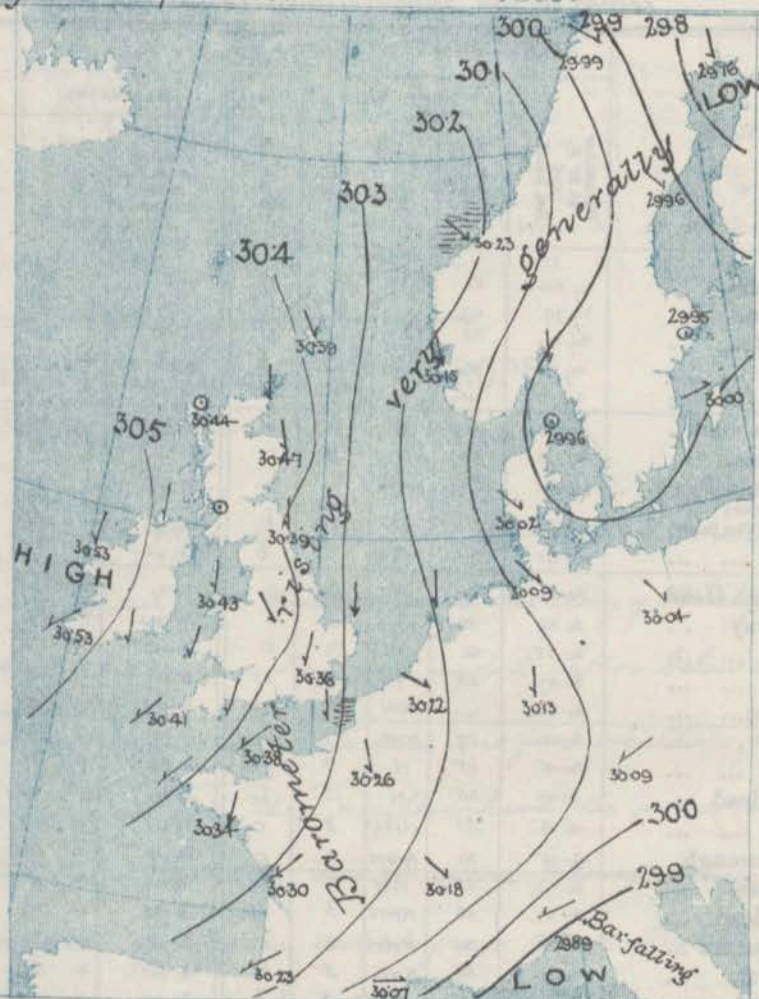
■ = Rough ■ = High

MEAN HEIGHT of the BAROMETER

at 5 a.m. for the month of September.

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.766
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.850
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Scilly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.985
Cambridge	29.981
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

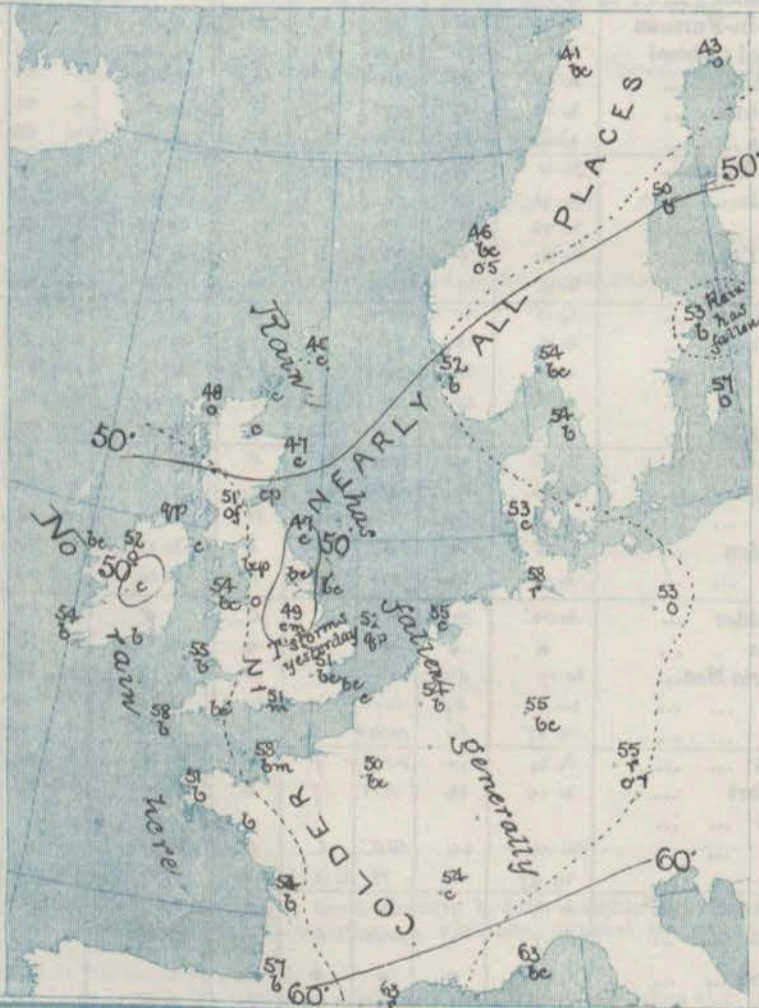
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of September.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 11 a.m.		
			Dry	Wet	
Sumburgh Head	55.2	46.3	50.9	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.06
Nairn	59.0	46.8	51.2	49.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.5	51.3	3.87
Donaghadee	59.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.6	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	53.1	56.2	53.8	3.89
Scilly	61.8	54.8	58.4	56.2	3.89
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.8	53.0	57.9	55.3	2.86
LONDON	66.3	49.4	55.9	53.6	2.59
Oxford	63.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

NOTE — The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 20 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.5 ins. and upwards, in an anticyclone lying over and to the westward of Ireland. Lowest 29.8 ins. and less in the north of Sweden; 29.9 ins. and less, over the Gulf of Genoa. Gradients slight generally. Barometer rising at all stations.
TEMPERATURE	Highest 69° at Lisbon, 63° at Nice and Perpignan, 58° at Cuxhaven, 57° at Jersey, and 57° at Whilly and Biarritz. Lowest 41° at Bodo, 43° at Naparanda, 44° at Hain, 45° at Samburg Head, 46° at Christiansund, and 47° at Aberdeen and Shields. The readings over the eastern parts of Great Britain are about 6° or 7° below the average.
WIND	Chiefly N ^{ly} , — inclining to NW in the north, and to NE in the south. Light in force on our west and north coasts, but fresh in many other localities.
WEATHER	Fair generally but rainy at Cuxhaven and Munich, and showery at Falmouth. Showers fell yesterday at all but our western stations, and thunderstorms occurred in various parts of our midland and southeastern counties.
SEA	Rather rough at Christiansund, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone in the west appears to be extending eastwards, and fair cool weather is likely to continue in most districts. Some slight irregularities in pressure are however, found over our eastern coasts, and these may possibly occasion showers at some of the English stations.

FORECASTS

For the 24 hours ending at NOON on 9th September 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N ^{ly} to NW ^{ly} winds, moderate; fair to showery.	6 SCOTLAND WEST	Same as N ^{os} 0 and 1.
1 SCOTLAND EAST		7 ENGLAND N. W.	N ^{ly} winds, light or moderate; fine generally.
2 ENGLAND N. E.	Same as N ^o 5.	8 ENGLAND S. W.	
3 ENGLAND EAST		9 IRELAND NORTH	N ^{ly} to NW ^{ly} winds, fresh; cloudy, some showers.
4 MIDLAND COUNTIES	N ^{ly} winds, light; fine generally, some fog at night.	10 IRELAND SOUTH	
5 ENGLAND SOUTH	N ^{ly} winds, moderate or fresh; fair generally, but local showers.		Same as N ^{os} 7 and 8.
		WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Ses.		Bar.	Dry.	Wet.	Wind.	Wes.	Ses.
Skudesnaes ...	29.86	59	52	NW 5	c	3	Holyhead ...	30.16	56	54	NNW 6	bmy	6
Sumburgh Head ...	30.06	48	47	N 3	r	3	Valencia ...	30.26	62	57	NNW 4	bey	4
Stornoway ...	30.21	34	51	NNW 5	o	4	Scilly ...	30.28	59	54	NNW 6	c	6
Aberdeen ...	30.12	55	50	NW 5	cpq	1	Jersey ...	30.48	63	56	NNW 3	b	3
Shields ...	30.10	58	52	N 4	bc	3	Dungeness ...	30.04	60	57	NNW 3	c	3
Ardrossan ...	30.14	60	56	NW 3	bc	2	London ...	30.06	63	55	NNW 5	cp	*
Malin Head ...	30.25	54	50	NNW 4	b	4	Yarmouth ...	29.49	60	55	W 4	cp	3
Mullaghmore ...	30.31	56	52	NNW 5	cr	4	Rocheport ...	30.21	67	59	NNW 7	b	2
Belmullet ...	30.36	57	52	N 4	o	*							

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

The reports for yesterday morning showed some material alteration in the distribution of pressure over Europe and the adjacent parts of the Atlantic. Readings at 8 am varied from 30.3 ins. and more, over central Russia and from between 30.0 ins. and 30.2 in over Germany and France, to rather below 29.9 ins. in a "V" shaped secondary which was moving southeastwards over the North Sea. Over the British Islands however, - and especially at the Scotch and Irish stations - the barometer had risen quickly, and gradients for W^{ly} to N^{ly} winds had thus been developed over the British Islands, while those prevalent over central Europe and the Baltic were still favourable for winds from W and SW.

The winds reported agreed with these conditions, being light to moderate from SW to W at the continental stations, with mild showers in places, while they were moderate to strong from between W and NW over the British Islands, with clear but unsettled looking skies in many places, and sharp cold showers in the northwest. Temperature had fallen generally over the United Kingdom and its neighbourhood, but risen somewhat at several of the French and German stations, and ranged from between 78° and 88° over Algeria, and from between 77° and 82° over the southeastern parts of the Mediterranean to rather below 50° in the Hebrides and the northwest of Norway. The highest individual readings at 8 am were 88° at Biskra, and 82° at La Calle (Algeria), 82° at Cagliari, 77° at Malta and Brindisi, 74° at Sanghinaire and Trieste, 73° at Constantinople, Naples and Monaco, 70° at Nice; the lowest were 45° at Bodo and Archangel, 49° at Stornoway, 50° at Naicin and Uleaborg, and 51° at Naparanda and Christiansund.

Later in the day the secondary disturbance moved southeastwards, and cold N^{ly} winds spread over England and France, preceded by sharp showers, and in several places, thunderstorms.

EXPLANATION OF COLUMNS GIVEN ON PAGE I.

WEATHER.—Beaufort Scale is b. bl. 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Sunday 9th September 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.			
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	30.01	34	N	2	bc	30.29	+ .53	40	39	—	3	NNW	2	bc	*	59	34	—
	Hernösand ...	30.27	45	NNW	4	b	30.43	+ .47	47	42	—	3	NNW	2	bc	*	61	39	—
	Stockholm ...	30.26	48	L	0	b	30.48	+ .53	44	43	—	7	N	2	b	*	61	46	—
	Wisby ...	30.22	54	NE	4	b	30.43	+ .43	55	48	—	2	NE	2	b	*	61	50	—
	Bodö ...	30.19	41	VV	2	0	30.17	+ .18	46	44	+	5	SW	6	0	3	?	37	0.04
	Christiansund...	30.36	47	NW	4	0	30.40	+ .17	44	46	+	3	SW	4	0	3	50	45	—
	Skudesnaes ...	30.34	52	NNW	6	C	30.49	+ .34	54	51	+	2	E	4	C	2	58	52	—
	Christiania Fjord (Færdø)	30.30	58	NNE	3	b	30.44	+ .30	52	47	—	2	NE	2	b	1	59	52	—
	Gen (The Seaw)	30.27	56	NE	4	b	30.48	+ .52	55	53	+	1	E	4	b	3	61	52	—
	Fanö ...	30.24	51	N	4	b	30.36	+ .34	57	55	+	4	ESE	4	b	*	63	48	0.16
BRITISH ISLANDS.	Sumburgh Head	30.45	48	L	0	C	30.43	+ .04	51	49	+	6	WSW	1	0	2	52	45	—
	Stornoway ..	30.46	54	W	3	0	30.42	— .02	53	50	+	5	SW	2	0	3	55	46	0.03
	Wick ...	30.47	52	N	1	0	30.47	+ .02	53	49	+	5	NNW	1	0	0	55	46	—
	Nairn ...	30.45	54	NNW	1	0	30.47	— .00	48	47	+	4	L	0	C	0	55	42	—
	Aberdeen...	30.57	48	NNW	1	bc	30.52	+ .05	46	44	—	1	W	1	CW	2	53	37	—
	Leith ...	30.49	53	E	1	C	30.49	+ .03	49	47	—	2	L	0	SW	*	55	41	—
	Shields ...	30.48	50	N	2	C	30.45	+ .06	51	46	+	4	NE	1	0	3	55	46	—
	Spurn Head ...	30.43	53	N	5	C	30.36	— .00	53	50	—	0	NE	6	C	5	54	44	—
	York ...	30.47	51	N	3	C	30.42	+ .01	52	47	+	2	NNE	3	0	*	56	45	—
	Loughborough	30.46	52	N	2	C	30.36	— .06	49	46	—	0	NNE	3	0	*	59	41	—
GERMANY.	Ardrossan ...	30.47	57	NNW	1	bc	30.49	+ .08	48	45	—	3	E	1	0	1	61	43	—
	Malin Head ...	30.53	54	N	2	0	30.47	— .03	52	47	—	0	E	2	0	2	56	52	0.01
	Mullaghmore...	30.52	55	NNW	1	CW	30.46	— .06	51	48	—	1	L	0	0	2	58	49	—
	Belmullet ...	30.54	55	ESE	1	0	30.48	— .05	52	49	—	2	SE	1	0	*	57	50	—
	Donaghadee ...	30.50	55	NE	4	b	30.48	+ .01	50	48	—	2	E	2	0	1	59	50	—
	Barrow-in-Furness	30.45	55	NE	3	bc	30.45	+ .04	49	46	—	3	NE	1	bc	*	52	44	—
	Liverpool (Bidston)	30.46	55	N	2	b	30.42	— .02	48	45	—	4	NE	1	0	2	60	45	—
	Holyhead ...	30.47	55	NE	2	b	30.44	+ .01	50	46	—	4	ESE	3	0	2	59	45	—
	Parsonstown ...	30.49	57	L	0	b	30.45	— .07	47	45	—	2	NNW	1	C	*	58	42	—
	Valencia ...	30.49	56	NE	3	bc	30.42	— .11	52	49	—	2	L	0	CW	1	61	42	—
FRANCE & NETHERLANDS.	Roche's Point...	30.48	57	SE	1	b	30.40	— .09	51	49	—	0	NNE	2	C	3	56	45	—
	Pembroke ...	30.44	53	N	2	b	30.39	— .05	48	44	—	7	ESE	3	bc	2	59	45	—
	Scilly ...	30.41	57	NE	4	bc	30.33	— .08	54	47	—	4	ESE	5	0	4	60	52	—
	Prawle Point ...	30.41	53	ESE	1	bc	30.33	— .09	46	44	—	11	NNE	4	CW	2	62	40	—
	Jersey ...	30.38	59	NNE	4	b	30.25	— .13	55	50	—	3	NNE	4	bc	3	61	51	—
	Hurst Castle ...	30.41	55	ESE	3	b	30.26	— .13	52	50	+	1	NNE	4	b	1	60	43	—
	Dungeness ...	30.24	55	NNE	5	C	30.15	— .14	50	49	—	2	NNE	4	r	3	61	44	0.20
	London ...	30.40	53	N	3	0	30.21	— .15	51	47	—	0	NE	3	C	*	57	46	0.01
	Oxford ...	30.45	47	NNE	2	C	30.30	— .11	50	47	—	1	N	3	C	*	60	44	—
	Cambridge ...	30.42	52	N	2	0	30.26	— .12	52	51	+	1	N	3	r	*	57	43	0.06
PENIN-SULA.	Yarmouth ...	30.36	53	N	5	CW	30.23	— .07	55	53	+	3	NE	6	org	5	56	49	0.21
	Cuxhaven ...	30.18	54	N	3	b	30.30	+ .21	66	54	—	2	E	3	b	*	57	53	—
	Berlin ...	30.44	60	NNW	3	0	30.27	+ .23	56	54	+	3	NNE	2	0	*	64	53	—
	Wiesbaden ...	*	*	*	*	*	30.15	+ .02	55	52	—	0	NNW	1	bc	*	64	48	0.04
	Munich ...	30.21	50	L	0	0	30.10	+ .01	50	50	—	5	NE	5	r	*	55	48	0.75
	The Helder ...	30.25	53	NNW	3	r	30.26	+ .08	54	51	—	1	E	1	b	2	57	52	0.24
	Brussels ...	*	*	*	*	*	30.22	— .00	46	45	—	8	NE	3	bc	*	60	43	0.20
	Cape Gris Nez...	30.32	54	NE	7	0	30.17	— .10	51	51	—	4	SE	4	bc	4	61	50	0.55
	Paris ...	30.28	54	N	3	bc	30.18	— .08	46	45	—	4	NE	4	bc	*	66	46	0.08
	Brest ...	30.28	57	NE	5	b	30.22	— .07	48	46	—	3	NE	1	b	1	64	44	—
FRANCE & NETHERLANDS.	Lorient ...	30.33	60	NE	7	b	30.25	— .09	51	49	—	2	NNE	4	0	2	64	50	—
	Rochefort ...	30.25	64	NE	5	b	30.20	— .10	51	50	—	2	NE	7	b	2	72	46	—
	Belfort ...	30.16	60	N	1	0	30.06	— .10	50	49	—	1	W	1	0	*	64	39	—
	Lyons ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Nice ...	29.84	70	ESE	1	C	29.89	— .00	64	61	+	1	ESE	3	C	3	79	59	0.04
	Perpignan ...	30.10	63	W	5	0	30.03	— .04	59	53	—	4	NNW	3	b	*	72	51	0.08
	Biarritz ...	30.13	65	NNE	7	C	30.09	— .14	52	50	—	5	E	3	b	1	66	50	—
	Corunna ...	*	*	*	*	*	30.03	+ .12	64	58	—	1	ESE	1	b	4	70	55	—
	Lisbon ...	29.88	73	L	0	C	29.89	— .06	63	63	—	6	N	4	0	2	84	63	0.47

For Explanation of Columns, see p. 4.

‡ Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on

Sunday, 9th September

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10; → = forces 8 to 10;

→ = forces 5 to 7; → = forces 1 to 4;

○ = dead calm.

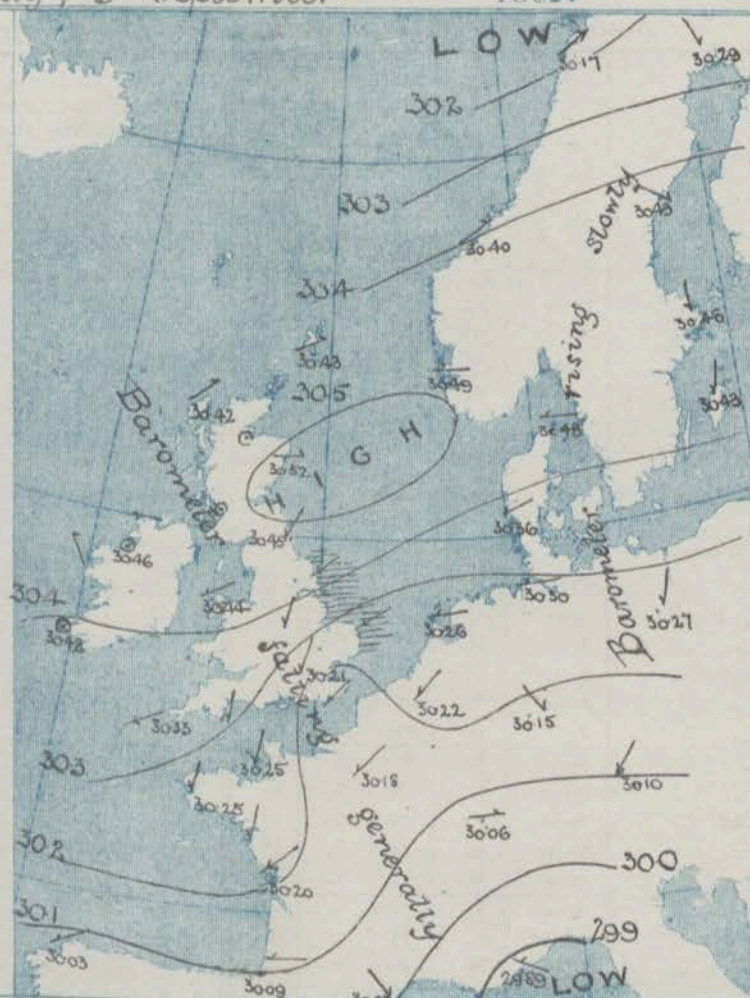
Sea Disturbance — where considerable is shown thus.

■ = Rough ■ = High

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September.
During the 15 Years 1871 — 1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head.	29.766
Stornoway.	29.780
Wick.	29.793
Nairn.	29.809
Aberdeen.	29.819
Leith.	29.846
Shields.	29.869
York.	29.905
Loughborough.	29.924
Ardrossan.	29.850
Donaghadee.	29.869
Holyhead.	29.894
Liverpool.	29.899
Parsonstown.	29.904
Valencia.	29.917
Roche's Point.	29.915
Pembroke.	29.913
Scilly.	29.943
Jersey.	29.955
Hurst Castle.	29.960
Dover.	29.941
LONDON.	29.945
Oxford.	29.935
Cambridge.	29.931
Yarmouth.	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.

Weather is shown by Letters of the Beaufort Scale

Rainfall A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of September.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	at 8 a.m. Wet.	
Sumburgh Head.	55.2	46.3	50.9	49.2	3.46
Stornoway.	56.1	45.7	51.1	49.8	4.13
Wick.	57.6	45.5	51.8	49.9	2.66
Nairn.	59.0	46.8	51.2	48.8	2.73
Aberdeen.	59.2	46.7	52.1	49.8	3.22
Leith.	62.2	47.6	53.2	50.8	2.47
Shields.	59.9	49.3	53.1	51.1	2.58
York.	63.3	47.3	52.8	51.0	2.98
Loughborough.	65.0	47.9	54.3	52.4	3.06
Ardrossan.	59.7	49.6	53.5	51.3	3.87
Donaghadee.	59.6	48.8	53.3	52.1	3.22
Holyhead.	60.6	52.8	56.7	53.5	3.35
Liverpool.	61.2	50.9	54.5	51.9	3.56
Parsonstown.	61.6	47.5	53.1	51.1	3.40
Valencia.	61.7	51.5	56.3	53.9	4.87
Roche's Point.	61.9	51.0	55.4	53.2	4.39
Pembroke.	60.2	53.1	56.2	53.8	3.89
Scilly.	61.8	54.8	58.4	56.2	3.69
Jersey.	65.2	54.9	59.8	57.1	3.51
Hurst Castle.	64.2	52.2	57.2	55.8	3.35
Dover.	62.9	53.0	57.9	55.3	2.86
LONDON.	66.3	49.4	55.9	53.6	2.59
Oxford.	63.8	49.1	54.2	52.3	2.91
Cambridge.	65.5	48.1	54.4	52.9	2.48
Yarmouth.	62.0	51.1	56.2	54.4	3.17

NOTE — The Temperature means are for the 15 years 1871 — 85, the Rainfall means are mainly those for the 20 years 1866 — 85



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.52 ins. at Aberdeen, 30.4 ins. and upwards, over all the more northern part of our Islands and the North Sea, as well as in the S. of Scandinavia.
Lowest, 29.9 ins. and less over the south of Spain and the western part of the Mediterranean, a small depression is apparently lying over the E. of England.
Gradients moderate over the East and south-east of England, but slight elsewhere.
Barometer falling at all but the Scandinavian and Danish stations, most in the south-east of England.

TEMPERATURE

Highest, 64° at Acre and Comma, 63° at Lubeck, 59° at the Pygmy, 57° at Faro, and 56° at Copenhagen and Berlin.
Lowest, 40° at Haparanda, 46° at Heds, Stockholm, Kew Point, Brussels and Paris, and 47° at Helsingfors and Petersburg.
The maximum temperatures yesterday were below 60° in many parts of the Kingdom.

WIND

Chiefly NE, light or moderate in force generally, but strong on the East coast of England.
Light from W. or SW. in Scotland; moderate to strong from SW. in the west of Norway.

WEATHER

Rainy in the south-east of England, and dull at several of our northern stations, but fair or fine elsewhere.
Since yesterday morning rain has fallen at our southern and many of the Continental stations.

SEA

Rather rough off the west of England, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone noticed off our western coast yesterday has moved in an east-north-easterly direction across our northern districts, and the barometer has risen quickly in Scandinavia.

A depression is apparently forming off the south-east of England, and a further increase of wind from NE. is probable on our south and east coasts.

FORECASTS

for the 24 hours ending at NOON on 10th SEPT^r 1888.

DISTRICTS.

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

FORECASTS.

DISTRICTS.

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

FORECASTS.

WARNINGS

The north cone has been hoisted this morning in districts 3, 5, and parts of 2 and 8.

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.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes ...	30.28	58	51	NNW	6	3	Holyhead ...	30.47	55	34	NNE	2	bc	2
Sumburgh Head ...	30.44	48	44	Z	0	2	Valencia ...	30.45	60	55	NE	3	bv	8
Stornoway ...	30.48	53	51	SE	3	3	Scilly ...	30.44	60	54	NE	4	b	14
Aberdeen ...	30.32	51	45	NNW	3	2	Jersey ...	30.40	61	54	NE	14	bc	3
Shields ...	30.48	54	47	N	3	3	Dungeness ...	30.54	58	53	NNE	5	c	4
Ardrossan ...	30.49	59	55	W	3	2	London ...	30.40	56	50	N	4	c	*
Malin Head ...	30.54	55	50	N	2	2	Yarmouth ...	30.35	54	49	N	14	c	4
Mullaghmore ...	30.54	57	51	Z	0	ov	Rochefort ...	30.29	70	61	NE	5	c	2
Belmullet ...	30.56	56	50	NNE	3	0								

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

The reports for yesterday morning showed that pressure was increasing very decidedly over the British Isles and North-Western Europe, and that it was high over Central and Southern Russia. Readings varied from between 30.1 ins. to 30.3 ins. over the latter region, and from between 30.3 ins. and 30.5 ins. over the United Kingdom to rather below 29.7 ins. over the shores of the White Sea, and to rather below 29.3 ins. in local depressions lying over Austria and the southeast of France. N^{ly} winds had become general over the British Isles, the North Sea and North Germany, accompanied by some cold showers, and thunderstorms in places, while in France the wind and weather were very variable, and over Russia SW breezes were prevalent. Temperature was low for the time of year, especially over Central France, and varied from 80° and more in some parts of Algeria, and from between 75° and 77° over the southeastern parts of the Mediterranean to between 50° and 60° over Ireland, England, France, the north of Germany and the Baltic to very little above 40° over the northern parts of Scandinavia. The highest individual values were 86° at Biskra, 82° at La Calle, 77° at Malta, 75° at Cagliari, Brindisi and Barcelona, 73° at Naples and 70° at San Fernando. The lowest were 41° at Bodo, 43° at Naparanda, 45° at Sumburgh Head, 46° at Christiansund, 47° at Aberdeen, and 48° at Stornoway.

Later in the day N^{ly} and NE^{ly} winds spread over over the greater part of Europe, and while cold showers fell at many of our southern stations, as well as in the Netherlands and over Germany, cold dry weather was experienced in other districts.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Monday, 10th September 1888.

Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

PUBLISHED BY THE METEOROLOGICAL OFFICE, 10, WHITEHALL STREET, LONDON. H. H. SCOTT, Secretary.																	
† YESTERDAY EVENING.																	
8 A.M. TO DAY.																	
PAST 24 HOURS																	
STATIONS.	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.			
			Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)		Weather.	Max.	Min.	Amount of Rainfall.
SCANDINAVIA.																	
Haparanda ..													*				
Hernösand ...													*				
Stockholm ...													*				
Wisby ...													*				
Bodö ...	30.44	50	WSW	8	†	30.22	- 0.35	40	49	+ 4	SW	8	0	4	50	37	0.08
Christiansund...	30.38	51	WSW	3	0	30.32	- 0.08	49	48	0	SSE	1	6	3	54	45	
Skudesnaes ...	30.43	55	Z	0	bc	30.29	- 0.20	57	51	+ 3	ESE	2	0	3	61	52	
Christiania Fjord (Færdor)																	
Skagen (The Scaw)	30.43	56	NE	3	0	30.27	- 0.21	54	51	- 1	ESE	4	0	3	63	52	
Fanö ...	30.30	56	ESE	5	0	30.15	- 0.21	56	54	- 1	E	4	0	*	63	54	0.08
BRITISH ISLANDS.																	
Sumburgh Head	30.36	50	W	1	0	30.25	- 0.18	50	47	- 1	W	1	0	2	54	45	
Stornoway ...	30.32	53	W	2	0	30.22	- 0.20	49	48	- 4	SW	1	0	2	54	45	
Wick ...	30.43	52	SW	2	0	30.25	- 0.22	46	45	- 7	W	1	6	0	54	36	
Nairn ...	30.32	53	Z	0	0	30.25	- 0.22	43	41	- 5	Z	0	6	1	56	32	
Aberdeen...	30.39	48	ESE	1	bc	30.25	- 0.27	46	44	0	WNW	2	6W	2	53	40	
Leith ...	30.36	51	E	1	0	30.24	- 0.25	48	46	- 1	WNW	1	0	*	52	44	
Shields ...	30.30	52	NNE	3	0	30.12	- 0.33	51	50	0	NNE	3	7	3	54	49	0.04
Spurn Head ...	30.22	55	ESE	4	0	30.06	- 0.30	54	53	+ 1	NNE	4	0	3	58	50	0.38
York ...	30.26	56	NNE	3	0	30.12	- 0.30	52	51	0	NW	2	0	*	58	43	0.01
Loughborough	30.19	54	ESE	2	0	30.14	- 0.22	53	52	+ 4	NNE	2	0	*	59	48	0.04
Ardrossan ...	30.34	50	ESE	1	0	30.25	- 0.24	48	47	0	NE	2	6W	1	53	42	
Mullin Head ...	30.35	52	ESE	3	0	30.27	- 0.20	51	48	- 1	WSW	1	0	0	56	48	0.01
Mullaghmore ...	30.33	54	ESE	4	0	30.27	- 0.19	50	48	- 1	ESE	1	0	2	58	48	
Belmullet ...	30.33	53	NNE	2	0	30.29	- 0.19	51	49	- 1	NNE	2	0	*	55	50	
Donaghadee ...	30.34	51	E	2	0	30.24	- 0.24	53	50	+ 3	NE	4	0	2	53	50	
Barrow-in-Furness	30.27	54	NE	2	bc	30.17	- 0.28	50	48	+ 1	NE	1	6W	*	56	49	
Liverpool (Bidston)	30.23	52	NNE	3	0	30.18	- 0.24	53	50	+ 5	NNE	1	6W	2	55	46	
Holyhead ...	30.23	51	NE	4	0	30.20	- 0.24	53	51	+ 3	N	3	6W	3	54	50	
Parsonstown ...	30.31	51	Z	0	0	30.28	- 0.17	48	46	+ 1	Z	0	0	*	58	44	
Valencia ...	30.29	55	NNE	2	0	30.28	- 0.14	54	51	+ 2	Z	0	6W	1	60	44	
Roche's Point...	30.24	52	E	3	0	30.26	- 0.14	50	47	- 1	N	1	6	3	57	45	
Pembroke ...	30.18	52	NNE	3	0	30.20	- 0.19	54	51	+ 6	NNE	2	6	0	54	47	
Scilly ...	30.18	53	NNE	5	0	30.18	- 0.15	56	53	+ 2	NNE	3	6W	3	56	51	
Prawle Point ...	30.13	52	NNE	2	0	30.16	- 0.17	55	52	+ 2	N	3	6	1	59	44	0.01
Jersey ...	30.05	56	N	3	bc	30.12	- 0.13	54	51	- 1	NE	1	6W	1	57	45	0.23
Hurst Castle ...	30.12	52	NE	3	0	30.13	- 0.13	54	53	+ 2	NNE	2	6W	0	58	45	0.04
Dungeness ...	30.08	57	ESE	5	0	30.08	- 0.09	49	48	- 1	N	3	6	3	60	45	0.35
London ...	30.13	58	E	2	bc	30.11	- 0.10	50	49	- 1	SW	1	0	*	61	43	0.02
Oxford ...	30.17	46	NE	2	0	30.13	- 0.17	52	51	+ 2	N	2	6W	*	58	44	0.28
Cambridge ...	30.18	55	N	2	0	30.10	- 0.16	52	52	0	NW	1	7	*	62	49	0.21
Yarmouth ...	30.16	57	NE	5	0	30.05	- 0.18	52	52	- 3	NW	3	0.5	4	59	51	0.05
Cuxhaven ...	30.26	56	E	7	0	30.16	- 0.14	69	54	+ 3	ESE	3	0	*	62	53	
Berlin ...	30.21	60	ESE	4	0	30.08	- 0.19	61	56	+ 5	E	1	0	*	66	57	
Wiesbaden ...	*	*	*	*	*	30.16	+ 0.01	54	53	- 1	Z	0	0	*	59	52	
Munich ...	30.08	54	Z	0	0	30.21	+ 0.11	55	54	+ 5	NW	1	0	*	59	50	0.04
FRANCE & NETHERLANDS.																	
The Helder ...	30.14	57	ESE	3	†	30.04	- 0.22	53	53	+ 2	?	1	6	1	61	?	0.16
Brussels ...	*	*	*	*	*	30.12	- 0.10	52	51	+ 6	S	1	6	*	62	?	0.12
Cape Gris Nez...	30.07	57	ESE	5	†	30.08	- 0.09	52	53	+ 3	SW	1	0	2	61	50	
Paris ...	30.05	54	W	3	0	30.15	- 0.03	47	46	+ 1	SW	1	6	*	64	44	0.08
Brest ...	30.22	45	ESE	3	0	30.18	- 0.14	50	49	+ 2	NE	1	6	2	63	41	
Lorient ...	30.12	57	NE	5	bc	30.14	- 0.11	52	50	+ 1	NNE	4	6	2	61	50	
Rocheport ...	30.10	60	NE	3	0	30.17	- 0.03	54	52	+ 3	ESE	4	0	2	68	46	
Belfort ...	30.13	51	W	1	0	30.17	+ 0.11	51	50	+ 1	W	1	6	*	57	43	
Lyons ...	30.06	56	SW	1	0	30.17		48	47		SSW	1	6	*	60	45	
Nice ...	30.02	63	SE	3	0	30.10	+ 0.21	63	59	- 1	NE	1	0	0	72	57	
Perpignan ...	30.02	62	SW	3	0	30.13	+ 0.10	58	57	- 1	SW	3	0	*	75	58	
Biarritz ...	30.04	64	NNE	4	0	30.10	+ 0.01	56	52	+ 4	SE	4	6	1	66	?	
PENINSULA.																	
Corunna ...	*	*	*	*	*												
Lisbon ...	29.91	67	WSW	1	0	30.02	+ 0.13	65	64	+ 2	Z	0	0	2	70	63	0.16

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Monday, 10th September, 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

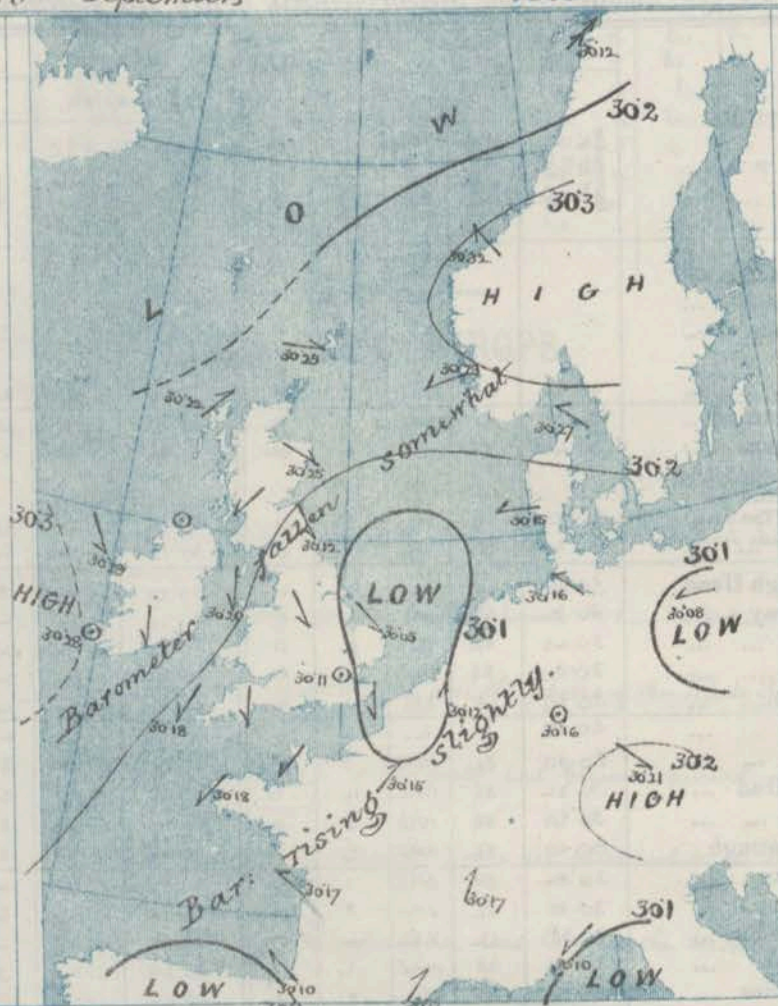
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 — force above 10; — force 8 to 10;
 — force 5 to 7; — force 1 to 4;
 ○ = dead calm.

Sea Disturbance — where considerable, is shown thus:
 — Rough — High.

MEAN HEIGHT of the BAROMETER

at 6 a.m. for the month of September
 During the 15 Years 1871 — 1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.766
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.950
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Scilly	29.943
Jersey	29.955
Hurst Castle	29.860
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

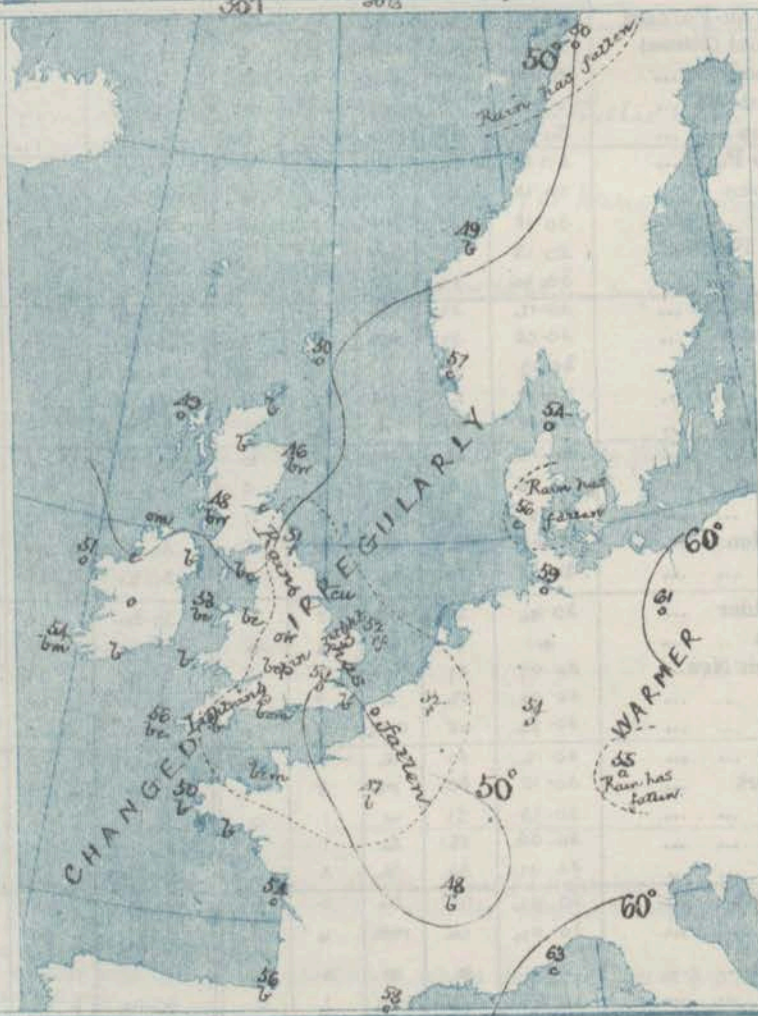
Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.
Weather — is shown by Letters of the Beaufort Scale.
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
 for the month of September.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	55.2	46.3	50.2	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.8	52.8	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.5	51.3	3.87
Donaghadee	59.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.5	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	53.1	56.2	53.8	3.89
Scilly	61.8	54.8	58.4	56.2	3.69
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	66.3	49.4	55.9	53.6	2.59
Oxford	65.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

NOTE — The Temperature means are for the 15 years 1871 — 85, the Rainfall means are mainly those for the 20 years 1868 — 85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.3 ins. and upwards over Norway; and also off the west of Ireland. The Swedish reports have not yet arrived. Lowest, 30.1 ins. and less, in a shallow depression lying off the east of England, as well as over Spain, North Germany and the Gulf of Genoa. Gradients slight. Barometer rising over France and the southern parts of England and Germany, but falling elsewhere.
TEMPERATURE	Highest, 65° at Lisbon, 63° at Kiev, 61° at Berlin, 59° at Copenhagen, 58° at Stockholm, and 57° at St. Petersburg. Lowest, 48° at Kilm, 46° at Mirk and Aberdeen, 47° at Paris, and 48° at Keith, Ardara, Thronetown, and Lyons. Frost occurred last night in the north of Scotland.
WIND	Light or moderate from the N ^W or N ^W over England, Ireland, and the north of France. Light from W. in Iceland, strong to a gale from S.W. in the north of Norway. Moderate from E. on the eastern shore of the North Sea and also in the southwest of France.
WEATHER	Rainy in the east of England and also at Brussels, and over Germany and the Netherlands. Fair or fine in most other localities. Showers fell yesterday at most of our eastern and southern stations, and lightning was seen in the south of England at night.
SEA	Moderate at Bodø and Yarmouth, but slight or smooth elsewhere.



PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In addition to the low pressure system off the east of England another depression is lying over North Germany.
Showery weather is therefore likely to continue over our eastern stations.

FORECASTS

for the 24 hours ending at NOON on 11th SEPT^r 1888.

DISTRICTS.		FORECASTS.	
0	{ SCOTLAND NORTH	{ Light W ^W breezes, shifting to the N ^W or NE ^W fine to unsettled and showery	{ NE ^W to N ^W winds, light or moderate; fair generally, but some showers.
1	{ SCOTLAND EAST		
2	{ ENGLAND N. E.	{ NW ^W and N ^W winds, moderate or fresh, changeable, some rain.	{ N ^W winds, light or moderate; fair generally.
3	{ ENGLAND EAST		
4	{ MIDLAND COUNTIES	{ NW ^W winds, light or moderate, fair generally, but possibly some showers.	
5	{ ENGLAND SOUTH		
		WARNINGS	
		The north cone has been lowered this morning in districts 3 5 and parts of 2 and 8.	

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.	Dry.	Wet.	Wind.	Waa.	Sea.		Bar.	Dry.	Wet.	Wind.	Waa.	Sea.
Skudesnaes ...	30.49	60	52	E.N.E. 1	0	2	Holyhead ...	30.34	52	48	N.E. 3	0	0
Sumburgh Head ...							Valencia ...						
Stornoway ...	30.38	54	51	N.W. 2	0	3	Sailly ...						
Aberdeen ...							Jersey ...	30.13	54	52	N.W. 4	0	3
Shields ...							Dungeness ...	30.12	59	53	E.S.E. 5	0	4
Ardrossan ...							London ...						
Malin Head ...	30.40	54	50	N.E. 2	0	0	Yarmouth ...						
Mullaghmore ...							Rocheport ...	30.13	63	56	N.E. 5	0	2
Belmullet ...	30.41	54	49	E.N.E. 2	0	*							

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

The reports for yesterday morning showed that pressure then varied from between 30.3 ins. and 30.5 ins. in a large high-pressure area which covered the British Isles, North Sea, Denmark, the Baltic and greater part of Scandinavia, to rather below 29.9 ins. in an irregularly formed depression which lay over the western half of the Mediterranean. The depression noticed over northern Russia and the White Sea on Saturday has disappeared. The wind was N. to N.E. over nearly the whole of Europe, but drew into NW in the south of France and the east of Spain, and was accompanied by cold variable weather - cloudy in places, clear in others, and showery in several localities. Temperature had fallen very generally, and in the Baltic Provinces the fall was very considerable. It varied at 8 a.m. yesterday from 79° in several parts of Algeria as well as at Langhara and Lesina, to between 40° and 50° over northern Europe. The highest individual readings were 79° at La Calle, Gao, Biskra, Langhara and Lesina, 77° at Malta and Brindisi, 74° at Naples, 70° at Florence, 69° at Pesaro, 68° at Langhara and 65° at Nice, the lowest were 40° at Haparanda and Uleaborg, 43° at Helsingfors, 45° at Archangel and Brussels, 46° at Hangi, Bodo and Aberdeen, and 48° to 50° at several Continental and English stations. At Stornoway and Sumburgh H. it was above 50° and apparently rising, with light airs from the S.W. and.

Later on cold showers fell over the southern and eastern parts of England, and the N.E. wind freshened for a time. Lightning occurred frequently at our southern and southeastern stations in the evening.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 2ND TO THE 8TH SEPTEMBER, 1888.

The weather of the past week has remained in a changeable, showery state, and thunderstorms occurred over our midland and southeastern counties on the 4th.

At the commencement of the time an anticyclone lay over France and the Bay of Biscay while a large area of low pressure was found to the northward of our Islands, and some smaller disturbances over the intervening regions. The prevailing winds were therefore W. or S.W. - moderate or fresh in force and the weather unsettled and showery.

On the 3rd a second anticyclonic area was formed over south Germany and from this time onward to the 6th a broad band of high pressure stretched from central Europe to the Bay of Biscay. Large depressions continued to appear in the far north, while shallow secondary disturbances advanced directly over the Kingdom, and the winds and weather remained practically unchanged.

On the morning of the 6th however, a depression of greater depth than its predecessor appeared off the northwest of Scotland, and in the course of the ensuing 24 hours this travelled eastwards to Norway, and partially dispersed. Some subsidiary disturbances were however, developed over the North Sea, and as the barometer rose quickly on our western and northern coasts the wind shifted to the NW generally, and blew strongly at some of our northwestern stations.

On the 8th the barometric rise was still in progress and a large anticyclone advanced steadily over our western and northern coasts from the W. Cold N. winds now prevailed in all districts, with fine weather in most places, but showers at some of our eastern stations. At the close of the week the wind on our southern coast was inclined to freshen from the N.E.

During the first half of the week temperature was if anything a trifle above the average, but after the 6th it fell steadily, and at the close of the period it was low generally.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Tuesday, 11th September 1888.

Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 5.)	Max.	Min.	Amount of Rainfall.		
			Dir.	Force. (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)							
SCANDINAVIA.																			
Haparanda ..	30.08	51	Z	0	0	30.10	-.09	51	50	+1	W	2	0	*	59	46	0.04		
Hernösand ...	30.20	51	SSW	2	0	30.25	-.15	50	49	-1	Z	0	0	*	61	43	0.08		
Stockholm ...	30.28	55	ENE	2	0	30.04	-.40	62	59	+3	Z	0	0	*	?	41	0.16		
Wisby ...	30.27	58	NE	4	0	30.08	-.28	65	63	+10	S	2	0	*	?	43	0.16		
Bodö ...	30.14	49	SW	4	0	30.10	-.02	49	48	+1	WSW	6	0	*	50	48	0.16		
Christiansund...	30.23	49	NE	1	0	30.12	-.20	47	45	-2	Z	1	0	*	55	43	0.16		
Skudesnaes ...	30.16	58	Z	0	0	30.10	-.19	54	53	-3	Z	2	0	*	64	?	0.16		
Christiania Fjord (Fjord)	30.25	54	NE	4	0	30.10	-.25	54	50	+3	NE	4	0	1	57	?	0.16		
Skagen (The Sound)	30.15	56	NE	2	0	30.09	-.18	57	57	+3	Z	0	0	1	57	54	0.35		
Fanö ...	30.13	56	NEW	1	0	30.11	-.04	53	53	-3	S	2	0	*	63	46	0.16		
BRITISH ISLANDS.																			
Sumburgh Head	30.21	51	Z	0	0	30.10	-.15	50	49	-0	Z	0	0	0	56	42	0.20		
Stornoway ..	30.17	54	SW	3	0	30.09	-.13	55	55	+0	Z	0	0	2	58	49	0.20		
Wick ...	30.20	52	S	1	0	30.10	-.15	52	50	+6	S	1	0	0	59	38	0.01		
Nairn ...	30.18	53	Z	0	0	30.11	-.14	50	49	+7	Z	0	0	1	62	38	0.01		
Aberdeen...	30.38	52	N	1	0	30.13	-.12	50	49	+4	W	2	0	2	58	43	0.01		
Leith ...	30.15	54	SE	1	0	30.16	-.08	52	50	+2	W	1	0	*	63	45	0.15		
Shields ...	30.09	53	N	3	0	30.14	+.02	49	47	+2	W	3	0	2	54	45	0.15		
Spurn Head ...	30.02	53	WNW	6	0	30.17	+.11	53	51	-1	W	5	0	3	55	51	0.54		
York ...	30.09	52	WNW	2	0	30.19	+.07	52	49	-0	W	1	0	*	55	48	0.29		
Loughborough	30.13	56	WNW	2	0	30.25	+.12	52	50	-1	WNW	3	0	4	62	46	0.01		
ARDROSSAN ...	30.18	55	WNW	3	0	30.19	-.06	54	54	+0	WNW	2	0	1	59	48	0.02		
Malin Head ...	30.24	53	NW	3	0	30.23	-.01	55	54	+1	WNW	3	0	2	56	51	0.02		
Mullaghmore ...	30.27	54	NW	3	0	30.28	+.01	55	53	+2	WNW	4	0	2	59	49	0.03		
Belmullet ...	30.28	55	WNW	2	0	30.30	+.01	56	53	+3	W	3	0	*	57	51	0.03		
Donaghadee ...	30.22	54	ENE	2	0	30.26	+.02	52	51	-1	W	3	0	1	58	52	0.03		
Barrow-in-Furness	30.15	57	NW	3	0	30.20	+.03	53	51	+2	NW	4	0	*	61	50	0.03		
Liverpool (Biston)	30.18	55	WNW	4	0	30.25	+.07	54	50	+4	W	3	0	3	59	51	0.03		
Holyhead ...	30.22	53	WNW	1	0	30.27	+.07	53	51	-2	WNW	2	0	2	58	50	0.03		
Parsonstown ...	30.27	56	Z	0	0	30.34	+.06	48	49	+1	Z	0	0	*	61	44	0.03		
Valencia ...	30.30	54	NW	2	0	30.36	+.06	52	51	-1	W	1	0	1	61	45	0.03		
Roche's Point...	30.27	57	WSW	3	0	30.32	+.06	53	50	+3	WNW	2	0	3	63	50	0.03		
Pembroke ...	30.25	52	N	2	0	30.32	+.12	56	53	+3	NW	2	0	0	59	51	0.01		
Scilly ...	30.25	57	N	2	0	30.35	+.17	59	55	+4	Z	0	0	1	60	51	0.01		
Prawle Point ...	30.22	55	WSW	2	0	30.36	+.10	54	51	-3	W	1	0	0	62	45	0.01		
Jersey ...	30.21	57	WNW	3	0	30.35	+.14	56	54	+2	WNW	1	0	1	62	45	0.08		
Hurst Castle ...	30.18	58	WNW	2	0	30.32	+.19	52	51	-1	WNW	2	0	0	61	48	0.01		
Dungeness ...	30.14	57	WNW	2	0	30.26	+.15	55	51	+4	WNW	1	0	2	62	43	0.01		
London ...	30.15	55	SW	1	0	30.29	+.18	50	48	-2	W	1	0	*	59	43	0.14		
Oxford ...	30.22	54	WSW	2	0	30.31	+.18	49	47	-2	W	1	0	*	62	43	0.01		
Cambridge ...	30.11	56	W	1	0	30.29	+.17	51	50	-1	SW	1	0	*	62	45	0.05		
Yarmouth ...	30.08	53	W	4	0	30.20	+.15	51	50	-1	W	3	0	3	57	49	0.03		
Cuxhaven ...	30.18	59	W	1	0	30.18	+.02	56	55	-1	SW	2	0	*	59	53	0.04		
Berlin ...	30.15	65	Z	0	0	30.12	+.04	54	59	+5	W	2	0	*	68	49	0.04		
Wiesbaden ...	*	*	*	*	*	30.26	+.10	54	53	-1	Z	0	0	*	64	52	0.04		
Munich ...	30.21	58	Z	0	0	30.31	+.10	51	51	-4	NW	4	0	*	63	50	0.12		
FRANCE & NETHERLANDS.																			
The Helder ...	30.12	56	SW	3	0	30.14	+.10	56	53	+3	W	4	0	3	61	55	0.12		
Brussels ...	*	*	*	*	*	30.28	+.16	50	49	-1	WSW	4	0	*	63	48	0.12		
Cape Gris Nez...	30.14	57	W	1	0	30.23	+.15	54	53	-1	WNW	3	0	2	61	54	0.12		
Paris ...	30.20	57	SSW	1	0	30.34	+.19	44	41	-3	Z	0	0	*	46	41	0.12		
Brest ...	30.13	51	ENE	1	0	30.39	+.21	53	47	+6	ENE	1	0	1	63	41	0.12		
Lorient ...	30.21	61	NW	1	0	30.33	+.19	53	52	+1	ENE	4	0	2	64	50	0.12		
Rochefort ...	30.22	61	NW	5	0	30.36	+.19	51	50	-1	NE	4	0	2	66	46	0.12		
Belfort ...	30.01	58	NE	1	0	30.31	+.14	56	55	+1	WSW	1	0	*	58	42	0.32		
Lyons ...	30.18	63	NE	1	0	30.30	+.13	65	53	+12	WNW	3	0	*	69	53	0.12		
Nice ...	30.12	64	ENE	3	0	30.13	+.03	64	61	+3	NE	1	0	0	73	57	0.12		
Perpignan ...	30.14	62	E	3	0	30.27	+.14	56	55	-1	SE	3	0	*	67	52	0.12		
Biarritz ...	30.15	65	NE	4	0	30.23	+.18	51	53	+2	E	4	0	1	68	55	0.12		
PENINSULA.																			
Corunna ...	*	*	*	*	*	30.15	+.13	66	62	+4	W	1	0	2	72	63	0.12		
Lisbon ...	30.11	67	WSW	4	0	30.15	+.13	66	62	+4	W	1	0	2	72	63	0.12		

WEATHER

CHARTS

for 8 a.m. on Tuesday, 11th September.

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10; → = forces 8 to 10;

→ = forces 5 to 7; → = forces 1 to 4;

○ = dead calm.

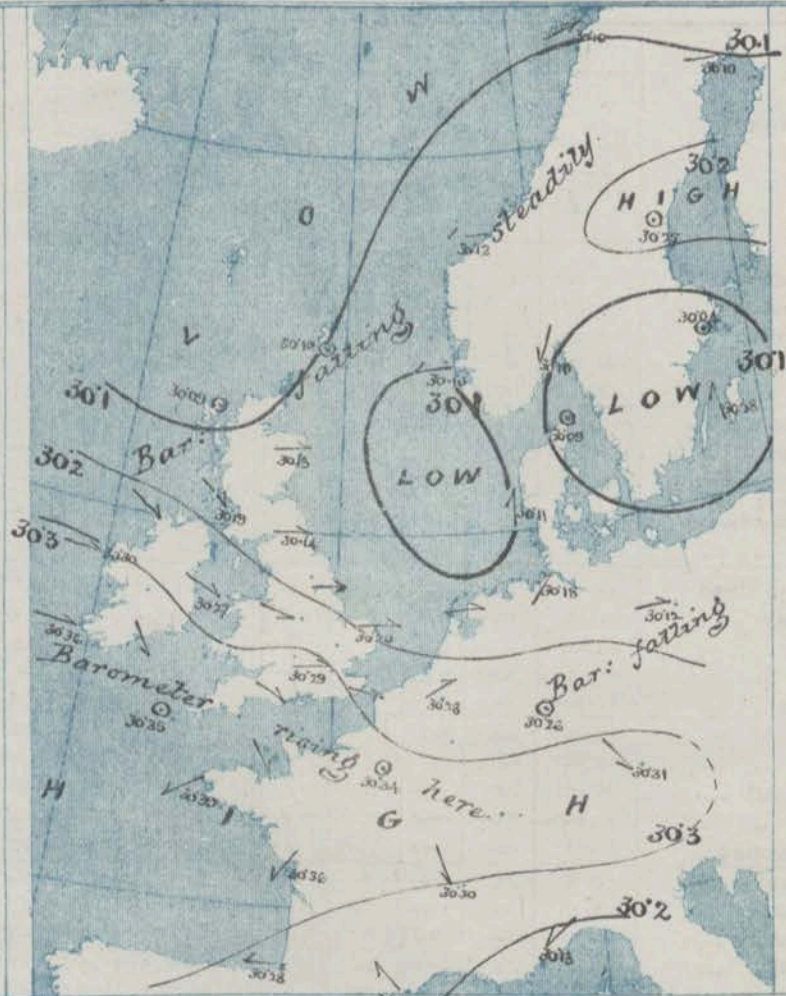
Sea Disturbance — where considerable is shown thus.

■ = Rough ■ = High

MEAN HEIGHT of the BAROMETER

at 6 a.m. for the month of September
During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.766
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.850
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Seilly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

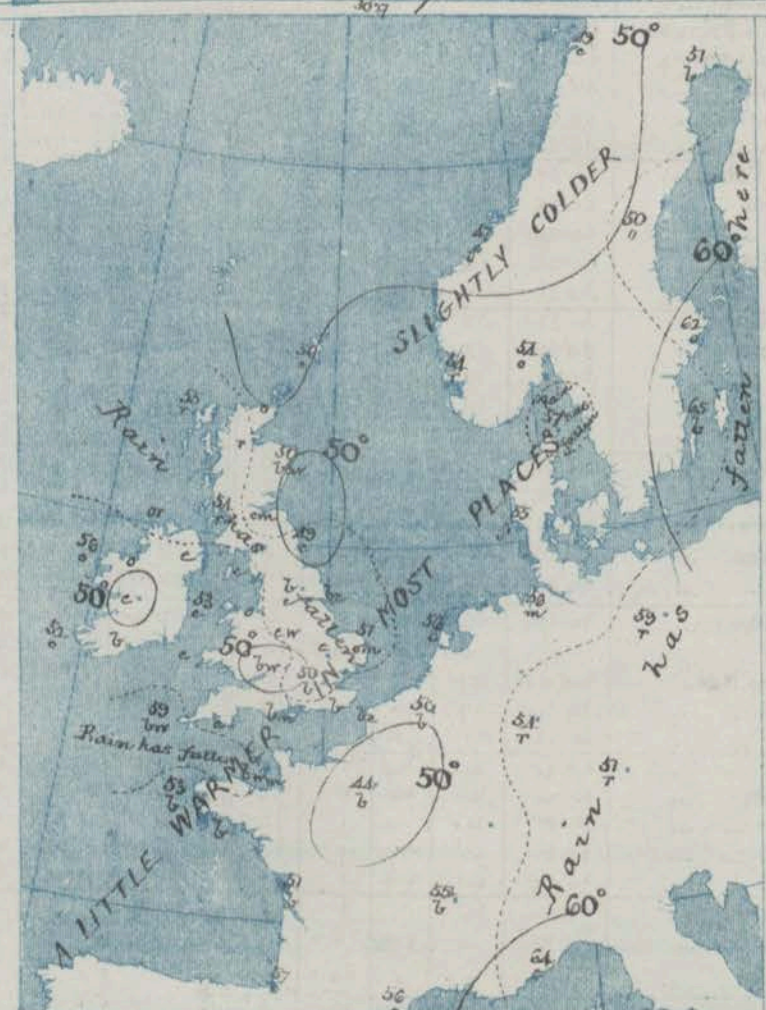
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	55.2	46.3	50.9	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.18
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.5	51.3	3.87
Donaghadee	59.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.5	53.1	51.1	3.49
Valencia	61.7	51.5	56.2	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	53.1	56.2	53.8	3.89
Seilly	61.8	54.8	58.4	56.2	3.69
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	66.2	49.4	55.9	53.6	2.59
Oxford	63.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

Note — The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 20 years 1868—85



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in. and upwards, in an anticyclone lying over France, and the southern parts of our islands and Germany, 30.2 in. and upwards over the Gulf of Bothnia.
Lowest, 30.1 in. and less, in a large area lying to the northward of our islands, and also in shallow depressions lying respectively over the North Sea and the south of Britain.
Gradients slight. Barometer falling in Scandinavia, Scotland and Denmark, but rising elsewhere.

TEMPERATURE

Highest, 66° at Dubou, 65° at Nisby, 64° at Kiel, 62° at Stockholm, and 59° at Skilly and Berlin.
Lowest, 44° at Herio, 47° at Christiansund, 48° at Larsoestown, and 49° at Bodø and Oxford.

WIND

Light or moderate from W. or NW over our islands, the Netherlands, and Germany.
Light E. in the east of Norway, moderate NE in the west of France.

WEATHER

Fine over the greater part of England, Ireland, and France.
Cloudy or overcast elsewhere, with rain in Scotland, Germany, and the west of Norway.
Showers fell yesterday at all but our western and some of our southern stations.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure systems to the northward and eastward of our islands will probably occasion a continuance of unsettled weather in many of our northern districts.

The anticyclone in the south appears, however, to be fairly well established, and fair weather is therefore likely to continue there for a time.

FORECASTS

for the 24 hours ending at NOON on 12th SEPT^r 1888.

DISTRICTS.


FORECASTS.


0	SCOTLAND NORTH	W ^{ly} winds, light or moderate; cloudy, some rain.
1	SCOTLAND EAST	
2	ENGLAND N.E.	W ^{ly} winds, moderate; fair generally, but slight rain locally.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	W ^{ly} and NW ^{ly} winds, light; fair generally—rather warmer.
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No 0 and 1.
7	ENGLAND N.W.	W ^{ly} and NW ^{ly} winds, moderate; fair to cloudy and some rain.
8	ENGLAND S.W.	Same as No 3 to 5
9	IRELAND NORTH	Same as No 0 and 1.
10	IRELAND SOUTH	Same as No 3 to 5
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.	Dry.	Wet.	Wind.	Woa.	Sea.		Bar.	Dry.	Wet.	Wind.	Woa.	Sea.
Skudesnaes ...	30.21	54	51	E.N.E. 2	C	2	Holyhead ...	30.22	56	52	N.W. 4	C	3
Samburgh Head ...	30.24	54	51	2 0	6	1	Valencia ...	30.29	59	54	N.W. 3	6	3
Stornoway ...	30.20	52	51	SW 4	C	4	Scilly ...	30.23	60	53	N.E. 2	6	2
Aberdeen ...	30.19	57	53	N 2	C	2	Jersey ...	30.20	58	53	N.W. 3	6	3
Shields ...	30.09	53	52	N 4	7	4	Dungeness ...	30.12	61	56	N 4	C	3
Ardrossan ...	30.20	69	56	N.W. 3	6	2	London ...	30.15	57	54	N.W. 1	7	*
Malin Head ...	30.26	56	52	N.W. 2	0	1	Yarmouth ...	30.06	57	54	N.W. 3	C	4
Mullaghmore ...	30.27	57	53	N 2	C	3	Rocheport ...	30.22	63	57	N.E. 3	C	2
Belmullet ...	30.30	56	51	N.W. 2	6	*							

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

The reports for yesterday morning showed that pressure then varied from between 30.3 ins. and 30.5 ins. in a large high pressure area which stretched westwards from Central Russia across the Baltic to the south of Scandinavia, and from about the same value in another high pressure area lying off the west coast of Ireland to rather below 30.1 ins. off the northwestern coasts of Scandinavia and Scotland, as well as in a shallow depression lying over the North Sea and east of England, in another lying over Germany, and in a third lying over Spain. The winds reported were consequently very variable—mainly SW⁷ over Northern Europe, N⁴ in the British Isles, NE⁷ in the Channel, S⁷ in Germany, and SE⁷ in the Southwest of France. The weather was showery at the North Sea ports and in some localities over the Continent, as well as at Algiers. Temperature was low for the time of year, especially over Central France, but showed some tendency to recover at the Continental stations from the fall noticed on the previous day. The highest morning readings were 82° at Sfax (Tunis), 80° at Cagliari, 78° at Brindisi and Palermo, 77° at Malta, 76° at Hermannstadt, 75° at Naples and Trieste, 73° at Livourne, 72° at Langunian, and 71° at Constantinople; the lowest were 43° at Nain, 45° at Archangel, 46° at Niels, Aberdeen, and Kuopio, 48° at Leith and Ardrossan, 49° at Ulsaborg, Christianmund, and Stornoway, and 50° at Bodo, Mullaghmore, Bannow in Wexford, Rochefort, and in London.

Later in the day cold showers fell at many of the eastern and southeastern stations owing to the disturbance over the North Sea.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for WEDNESDAY 12TH SEPT^R 1888.

Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)		SHADE TEMP.		Amount of Rainfall.
			Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)				Max.	Min.	
SCANDINAVIA.	Haparanda ..	30.04	51	SW	2	b	29.97	- 13	45	47	- 3	ESE	2	c	*	59	46	—
	Hernösand ...	30.06	51	Z	0	0	29.79	- 46	52	50	+ 2	NE	4	r	*	54	48	0.16
	Stockholm ...	29.99	60	Z	0	0	29.98	- 06	54	50	- 8	S	2	b	*	70	54	0.08
	Wisby ...	29.99	59	WSW	2	b	30.10	+ 02	57	54	- 8	WSW	4	b	*	68	55	—
	Bodö ...	30.09	47	Z	0	b	29.95	- 15	46	44	- 3	NE	2	b	1	50	39	—
	Christiansund...	30.00	51	N	3	c	29.99	- 13	51	49	+ 4	N	3	0	2	55	?	—
	Skudesnaes ...	30.02	55	NNW	2	0	30.03	- 07	52	51	- 2	NNW	6	r	4	61	54	0.12
	Christiania Fjord (Furder)	30.02	54	WSW	2	0	29.86	- 24	55	53	+ 1	WSW	3	c	2	57	54	0.12
	Skagen (The Scaw)	30.02	56	SW	3	0	29.91	- 18	53	52	- 4	W	1	b	0	63	50	0.04
	Fanö ...	30.05	55	SW	4	b	30.10	- 01	55	54	+ 2	W	6	cp	*	61	52	0.47
BRITISH ISLANDS.	Sumburgh Head	30.06	52	Z	0	bc	30.12	+ 02	53	52	+ 3	W	2	0	1	57	46	0.02
	Stornoway ...	30.13	57	W	3	0	30.21	+ 12	55	53	0	W	5	0	4	59	52	0.05
	Wick ...	30.07	55	NW	1	0	30.23	+ 13	55	52	+ 3	W	4	c	2	56	45	0.45
	Nairn ...	30.11	57	W	1	0	30.26	+ 15	55	52	+ 5	SW	2	c	2	58	49	0.12
	Aberdeen ...	30.12	55	W	1	0	30.29	+ 16	58	52	+ 8	W	3	bc	1	58	48	0.29
	Leith ...	30.18	55	W	2	c	30.24	+ 18	55	53	+ 3	W	1	b	*	58	48	0.03
	Shields ...	30.19	55	WSW	3	c	30.35	+ 21	55	52	+ 6	W	2	0	2	59	47	0.07
	Spurn Head ...	30.24	57	W	4	c	30.39	+ 22	55	53	+ 2	W	3	bc	2	61	51	—
	York ...	30.25	57	W	3	0	30.42	+ 23	55	53	+ 3	W	2	bc	*	63	49	—
	Loughborough	30.31	56	WNW	2	c	30.46	+ 24	51	50	- 1	Z	0	bc	*	64	43	—
GERMANY.	Ardrossan ...	30.24	57	W	3	op	30.36	+ 17	56	55	+ 2	S	2	0	1	60	53	—
	Malin Head ...	30.26	56	WNW	3	0	30.34	+ 11	54	51	- 1	S	4	0	4	59	53	—
	Mullaghmore ...	30.31	56	W	3	om	30.37	+ 09	54	51	- 1	SSW	3	0	2	60	49	—
	Belmullet ...	30.31	56	WSW	3	0	30.36	+ 06	55	53	- 1	SSW	2	0	*	58	52	0.01
	Donaghadee ...	30.30	58	SW	2	0	30.40	+ 14	53	52	+ 1	WSW	3	0	1	62	51	—
	Barrow-in-Furness	30.27	56	WSW	3	r	30.39	+ 19	56	54	+ 3	SW	2	bc	*	59	53	0.02
	Liverpool (Bidston)	30.31	55	W	2	c	30.44	+ 19	56	52	+ 2	WSW	1	b	2	58	50	—
	Holyhead ...	30.33	56	SW	2	cp	30.42	+ 15	56	54	+ 3	SSW	1	cw	1	61	53	—
	Parsonstown ...	30.35	57	Z	0	0	30.43	+ 09	53	51	+ 5	SE	1	0	*	59	47	—
	Valencia ...	30.37	56	SW	2	c	30.42	+ 06	57	55	+ 5	SE	3	0	4	62	50	—
FRANCE & NETHERLANDS.	Roche's Point...	30.34	57	WSW	2	bc	30.41	+ 09	54	52	+ 1	SE	1	c	2	62	45	—
	Pembroke ...	30.36	57	W	2	b	30.44	+ 12	56	54	0	S	2	cp	1	60	51	—
	Scilly ...	30.37	58	Z	0	c	30.44	+ 09	60	55	+ 1	SE	1	c	2	64	53	—
	Prawle Point ...	30.40	56	SE	2	c	30.48	+ 12	58	54	+ 4	SE	1	b	0	59	46	—
	Jersey ...	30.40	59	NW	2	bm	30.48	+ 08	58	54	+ 2	NW	2	bc	2	63	44	—
	Hurst Castle ...	30.38	58	W	2	c	30.50	+ 18	53	52	+ 1	Z	0	f	0	65	44	—
	Dungeness ...	30.31	59	W	4	b	30.45	+ 19	49	47	- 6	N	2	m	1	64	40	—
	London ...	30.34	56	W	1	b	30.47	+ 18	48	47	- 2	WSW	1	bc	*	65	42	—
	Oxford ...	30.39	52	NNW	1	b	30.49	+ 18	47	46	- 2	WSW	1	b	*	63	40	—
	Cambridge ...	30.33	58	W	1	b	30.47	+ 20	53	52	+ 2	SW	1	b	*	65	42	—
PENINSULA.	Yarmouth ...	30.25	58	W	2	b	30.43	+ 23	54	52	+ 3	W	3	b	2	62	46	—
	Cuxhaven ...	30.22	55	SW	5	0	30.27	+ 09	57	56	+ 1	WSW	5	r	*	59	52	0.26
	Berlin ...	30.32	57	WNW	1	b	30.41	+ 29	53	51	- 6	SW	2	b	*	64	48	0.35
	Wiesbaden ...	*	*	*	*	*	30.47	+ 21	52	49	- 3	Z	0	b	*	64	45	0.08
	Munich ...	30.45	54	NE	3	r	30.47	+ 16	51	51	0	NE	4	0	*	57	50	0.12
	The Helder ...	30.25	58	SW	4	bc	30.36	+ 22	58	55	+ 2	WNW	3	bc	3	59	55	—
	Brussels ...	*	*	*	*	*	30.48	+ 20	57	50	+ 1	WSW	4	b	*	64	48	—
	Cape Gris Nez...	30.32	58	WSW	5	b	30.45	+ 22	64	52	0	S	1	b	1	61	52	—
	Paris ...	30.37	57	E	1	b	30.49	+ 15	45	45	+ 1	NNE	1	b	*	66	42	—
	Brest ...	30.46	59	N	3	b	30.45	+ 06	52	49	- 1	ENE	4	b	2	66	41	—
PENINSULA.	Lorient ...	30.38	61	NW	3	b	30.43	+ 10	54	51	+ 1	ENE	5	b	2	64	50	—
	Rochefort ...	30.35	64	NW	4	b	30.41	+ 05	54	50	+ 3	ENE	5	b	2	70	48	—
	Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lyons ...	30.32	62	N	1	b	30.41	+ 11	53	49	- 2	N	1	b	*	68	50	—
	Nice ...	30.17	68	Z	0	b	30.25	+ 12	67	59	+ 3	NE	1	b	1	72	61	0.04
	Perpignan ...	30.23	68	W	3	b	30.32	+ 05	57	55	+ 1	NW	3	bc	*	79	53	—
	Biarritz ...	30.28	64	NNE	5	c	30.30	+ 02	59	55	+ 2	SE	3	b	1	68	57	—
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	30.16	69	NNW	5	b	30.17	+ 02	65	61	- 1	NNE	4	b	2	75	63	—

WEATHER CHARTS

for 8 a.m. on WEDNESDAY 12TH SEPTEMBER 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4;
○ = dead calm.

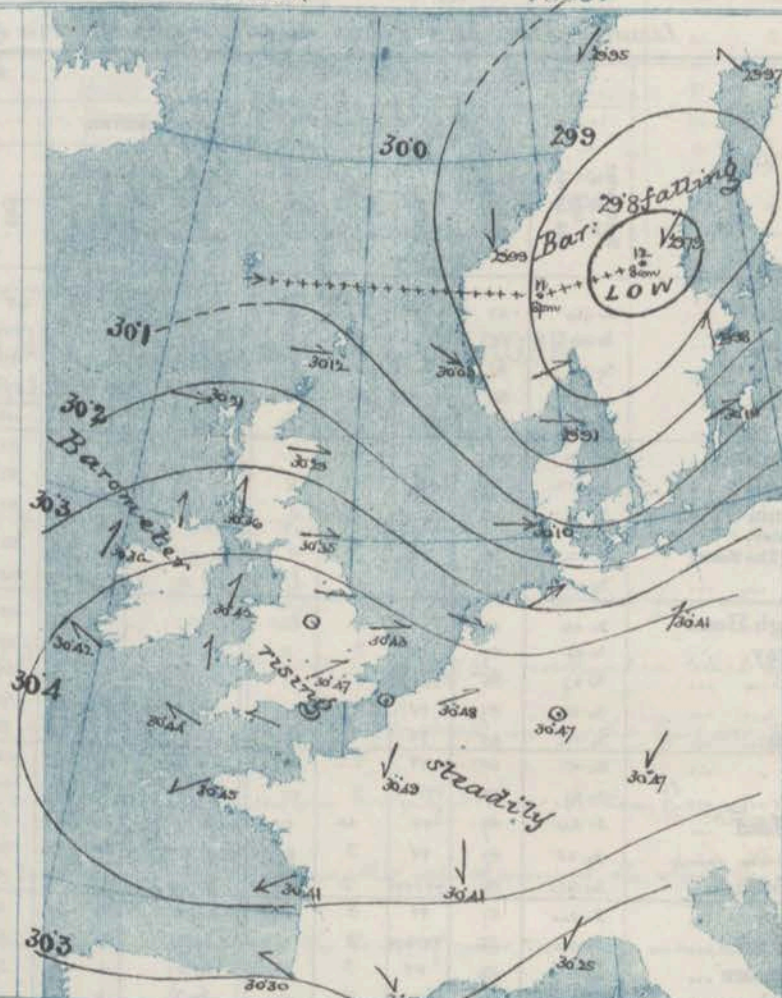
Sea Disturbance — where considerable is shown thus.

■ = Rough ■ = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September
During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head.	29.766
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.850
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Scilly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

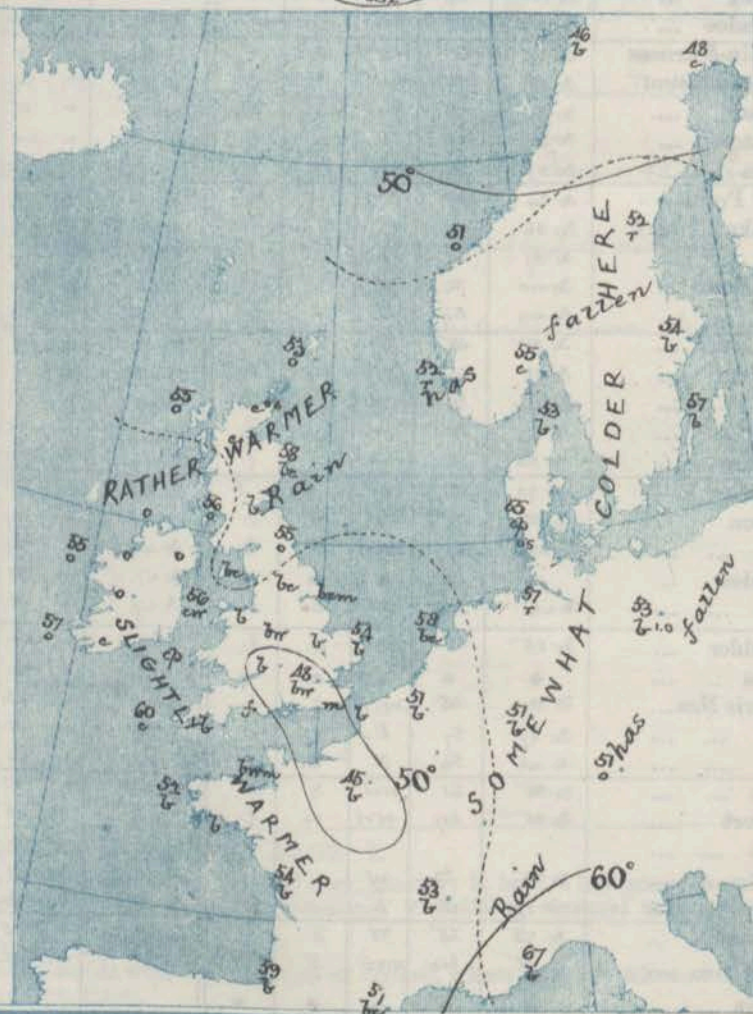
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of September.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	55.2	46.3	50.9	49.2	3.46
Stornoway	56.1	45.7	51.1	49.9	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.5	51.3	3.87
Donaghadee	59.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.5	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	53.1	56.2	53.8	3.89
Scilly	61.8	54.8	58.4	56.2	3.69
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	66.3	49.4	55.9	53.6	2.59
Oxford	63.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

NOTE — The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 20 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.4 ins. to 30.5 ins. in a large anticyclone lying over Ireland, England, France and Germany. Lowest 29.8 ins. and less, in a depression lying over Sweden, and 30.2 ins. and less over the southwestern parts of the Spanish Peninsula. Gradients slight except to the eastward of the North Sea. Barometer rising slowly over our Islands and France.
TEMPERATURE	Highest 67° at Nice, 65° at Lisbon, 60° at Scilly, and 58° at Jersey and Brauk Point. Lowest 45° at Paris, 46° at Rodez, 47° at Oxford, 48° in London, and 49° at Dungeness. On grass the thermometer fell to 33° in the south of London during the night.
WIND	Moderate E. over the Bay of Biscay - Light and variable from the E. in the Channel. Light S. in Ireland and Wales - Moderate to light W. in Scotland and the east of England. Fresh to strong W. and NW. on the eastern shores of the North Sea - SW. in the Baltic.
WEATHER	Fine and bright over France, England and north Germany - Dull in Ireland and the west and north of Scotland - dull and rainy on the eastern shores of the North Sea. Rain has fallen in the north of our Islands, the south of Scandinavia and over Germany - heavily at Berlin.
SEA	Slight or smooth on our own and the French coasts, moderate at Skudesnaes.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the barometer is now rising slowly in our Islands it is probable that the fine weather will continue, but that the nights will be cold over the inland parts of Great Britain and France, with heavy dew, and in some places fog.

FORECASTS

For the 24 hours ending at NOON on 13TH SEPT^R 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W. and SW. winds, moderate; fair as a whole, but some little rain.	6 SCOTLAND WEST	SW. breezes, moderate; some showers.
1 SCOTLAND EAST	W. breezes, light; fair, cold at night.	7 ENGLAND N. W.	SW. breezes, moderate; fine to dull.
2 ENGLAND N. E.		8 ENGLAND S. W.	E. breeze, light to moderate; fair.
3 ENGLAND EAST	Light varying breezes; fine, cold at night, some fog.	9 IRELAND NORTH	S. breeze, freshening; showery in the west, fair in the east.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH	Calm and variable airs; fine, cold at night, with fog.		
		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.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes ...	30.07	60	55	Z	0	2	Holyhead ...	30.09	58	55	WNW	2	c	2
Samburgh Head ...	30.08	54	51	Z	0	0	Valencia ...	30.36	62	57	WSW	2	b.c.v	2
Stornoway ...	30.11	58	57	W	5	2	Scilly ...	30.37	62	55	WSW	1	b.c	2
Aberdeen ...	30.12	59	59	SE	1	0	Jersey ...	30.39	63	55	W	3	b	3
Shields ...	30.15	57	54	W	3	2	Dungeness ...	30.40	63	56	W	4	b.c	3
Ardrossan ...	30.21	57	56	W	3	2	London ...	30.31	64	55	WNW	2	b	*
Malin Head ...	30.23	58	55	WNW	3	2	Yarmouth ...	30.34	62	54	W	3	b	2
Mullaghmore ...	30.30	60	55	WNW	4	3	Rocheport ...	30.37	66	59	NW	4	b	2
Belmullet ...	30.32	58	54	WSW	2	*								

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

The reports for yesterday morning showed that a large anticyclone with readings above 30.5 ins. was lying over Russia, while another high pressure system with readings above 30.3 ins. was found over France, the south and southwest of our Islands and south Germany. The lowest readings 30.1 ins. and less, were reported in a large area lying to the north of the British Islands, in a similarly large area over Algeria and the western part of the Mediterranean, and also in three depressions lying respectively over the North Sea, the south of Sweden and central Germany. Moderate W. breezes prevailed over the United Kingdom, the Netherlands and north Germany, S. or SE. breezes over the Baltic, and E. breezes in the west of Norway. In the south of France the wind was NE., and in Algeria, Corsica and Scandinavia SE. or S. Rain was falling in Scotland, the west of Norway and several parts of Germany, but elsewhere the weather was mostly fine. Temperature had fallen a little in Scandinavia and the south of Russia, but risen in most other localities, readings ranged from 75° and upwards, over Algeria and south Italy to 50° or less, over the northern parts of Scotland and Norway, and the central parts of France and Russia. The highest individual readings were 89° at Biskra, 81° at Cagliari and Sfax, 78° at La Halle and Sanguinaire, 74° at Naples and Malta, and 76° at Lesina; the lowest were 42° at St Petersburg and Moscow, 43° at Charleville, 44° at Paris and Limoges, 45° at Brest, Le Mans and Nantes, and 46° at Kuopio and Charkov.

In the course of the day the barometer rose over the whole of our Islands, and the depression over the North Sea moved northwards to Scandinavia. Showers continued to fall at several of our northern stations, but in the south the weather remained fine, with a gradual rise of temperature.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Thursday, 13th September 1888.

Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.76	49	ESE	2	τ	29.75	- .22	49	49	+ 1	ENE	2	τ	*	54	46	0.75	
	Hernösand ...	29.82	45	Z	0	6	29.97	+ .18	51	48	- 1	NW	2	6	*	59	43	0.16	
	Stockholm ...	29.79	51	Z	0	0	30.04	+ .06	51	47	- 3	NW	2	0	*	61	48	0.08	
	Wishby ...	29.93	56	W	6	0	30.09	- .01	54	51	- 3	N	9	0	*	64	54	0.04	
	Bodö ...	29.91	46	WSW	2	0	29.76	- .19	47	45	+ 1	E	2	τ	1	48	43	0.16	
	Christiansund...	30.07	51	WSW	4	0	30.08	+ .09	54	52	+ 3	SW	8	τ	4	54	50	0.12	
	Skudesnaes ...	30.29	54	NW	3	τ	30.41	+ .38	57	54	+ 5	WNW	2	0	3	?	52	-	
	Christiania Fjord (Fjord)	30.02	58	NW	2	0	30.24	+ .38	56	51	+ 1	WSW	3	6	2	59	55	-	
	Skagen (The Scaw)	30.08	55	NW	3	6	30.28	+ .37	56	53	+ 3	NW	4	0	3	59	52	-	
	Fanö ...	30.34	57	W	6	0	30.45	+ .35	59	55	+ 4	WNW	4	6	*	59	54	-	
BRITISH ISLANDS.	Sumburgh Head	30.23	53	W	3	0	30.32	+ .20	54	52	+ 1	W	3	0	3	57	51	-	
	Stornoway ...	30.29	58	SW	3	60	30.35	+ .14	55	54	0	SW	4	τ	4	59	52	-	
	Wick ...	30.30	58	NW	1	6	30.42	+ .19	55	54	0	SW	2	0	0	64	48	-	
	Nairn ...	30.36	56	SW	1	60	30.40	+ .14	54	49	- 1	SSW	2	0	1	63	46	-	
	Aberdeen...	30.39	57	WSW	1	0	30.47	+ .18	49	47	- 9	W	1	be m	1	66	41	-	
	Leith ...	30.41	57	W	1	0	30.48	+ .14	55	50	0	W	1	6	*	62	48	-	
	Shields ...	30.43	59	W	2	0	30.50	+ .15	50	47	- 5	W	1	6	2	65	44	-	
	Spurn Head ...	30.46	58	SSE	1	0	30.51	+ .12	56	54	+ 1	SW	1	be m	2	62	53	-	
	York ...	30.46	58	WNW	1	0	30.52	+ .10	50	49	- 5	Z	0	6	*	63	46	-	
	Loughborough	30.47	61	Z	0	0	30.52	+ .06	43	42	- 8	Z	0	6	*	68	38	-	
GERMANY.	Ardrossan ...	30.41	56	S	2	0	30.47	+ .11	52	50	- 4	E	2	be m	1	57	46	-	
	Malin Head ...	30.38	58	WNW	1	0	30.40	+ .06	54	52	0	SSE	3	be m	2	60	50	-	
	Mullaghmore ...	30.40	58	SSW	2	0	30.40	+ .03	54	51	0	ESE	3	be m	2	65	49	-	
	Belmullet ...	30.39	57	SSW	3	60	30.37	+ .01	54	51	- 1	E	2	6	*	60	49	-	
	Donaghadee ...	30.44	57	WSW	3	60	30.47	+ .07	54	54	+ 1	S	2	6	1	62	49	-	
	Barrow-in-Furness	30.44	59	WNW	2	60	30.47	+ .08	51	49	- 5	NE	1	6	*	61	48	-	
	Liverpool (Bidston)	30.47	57	WNW	1	0	30.50	+ .06	55	51	- 1	SE	1	be m	2	63	49	-	
	Holyhead ...	30.46	56	SW	1	6	30.46	+ .04	54	52	- 2	Z	0	6	0	62	47	-	
	Parsonstown ...	30.43	61	Z	0	0	30.42	- .01	47	46	- 6	Z	0	6	*	65	41	-	
	Valencia ...	30.41	58	SSE	3	6	30.32	- .10	59	55	+ 2	NE	2	be m	3	60	47	-	
FRANCE & NETHERLANDS.	Roche's Point...	30.44	59	SW	1	6	30.38	- .03	59	56	+ 5	SSE	4	6	3	63	50	-	
	Pembroke ...	30.47	56	S	1	6	30.42	- .02	53	51	- 3	E	3	be m	2	61	49	-	
	Scilly ...	30.42	58	E	4	6	30.34	- .10	60	57	0	ESE	6	be m	4	64	58	-	
	Prawle Point ...	30.46	55	E	2	6	30.41	- .07	58	56	0	E	4	6	2	62	51	-	
	Jersey ...	30.45	62	NE	3	be m	30.39	- .09	59	55	+ 1	E	3	be m	3	67	54	-	
	Hurst Castle ...	30.48	60	W	2	6	30.46	- .04	56	55	+ 3	E	3	be m	1	65	48	-	
	Dungeness ...	30.47	60	Z	0	6	30.45	- .00	58	55	+ 9	ESE	4	6	3	65	47	-	
	London ...	30.47	58	ESE	1	6	30.50	+ .03	50	50	+ 2	E	1	be m	*	68	46	-	
	Oxford ...	30.51	52	Z	0	60	30.51	+ .02	49	47	+ 2	NW	1	be m	*	68	41	-	
	Cambridge ...	30.48	58	NW	1	6	30.52	+ .05	51	51	- 2	N	1	6	*	70	40	-	
PENINSULA.	Yarmouth ...	30.47	58	ESE	2	6	30.52	+ .09	57	55	+ 3	Z	0	6	2	62	48	-	
	Cuxhaven ...	30.42	56	W	4	0	30.52	+ .25	60	58	+ 3	N	3	6	*	61	55	0.10	
	Berlin ...	30.42	60	WNW	1	6	30.49	+ .08	54	51	+ 1	WNW	2	0	*	61	50	-	
	Wiesbaden ...	*	*	*	*	*	30.50	+ .03	52	50	+ 1	Z	0	6	*	66	45	-	
	Munich ...	30.52	56	NE	2	0	30.50	+ .03	53	53	+ 2	NE	3	0	*	59	50	0.04	
	The Helder ...	30.49	58	WNW	1	6	30.54	+ .18	57	55	- 1	NE	1	6	1	61	52	-	
	Brussels ...	*	*	*	*	*	30.52	+ .04	46	46	- 5	ESE	3	6	*	65	45	-	
	Cape Gris Nez...	30.47	59	NNE	3	6	30.47	+ .02	53	52	- 1	E	4	6	2	66	50	-	
	Paris ...	30.45	59	NNE	3	0	30.41	- .08	48	47	+ 3	NE	3	6	*	68	45	-	
	Brest ...	30.45	59	E	4	0	30.36	- .09	55	50	+ 5	E	4	6	3	70	41	-	
PENINSULA.	Lorient ...	30.39	64	NNE	3	6	30.32	- .11	55	50	+ 1	E	5	6	2	70	50	-	
	Rochefort ...	30.33	69	NE	5	6	30.28	- .13	55	53	+ 1	ESE	5	6	2	82	50	0.08	
	Belfort ...	30.39	64	E	1	6	30.39	- .04	58	56	+ 5	SE	3	0	*	67	48	-	
	Lyons ...	30.36	63	N	1	6	30.36	- .05	53	52	0	WNW	1	0	*	69	52	-	
	Nice ...	30.28	69	SW	4	6	30.25	- .00	70	63	+ 3	NE	5	0	1	79	63	-	
	Perpignan ...	30.30	63	Z	0	6	30.28	- .04	59	58	+ 2	E	1	0	*	76	57	-	
	Biarritz ...	30.22	74	E	4	6	30.19	- .11	64	59	+ 5	S	3	6	0	79	-	-	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	30.11	74	WNW	5	6	30.08	- .09	67	63	+ 2	NE	3	0	2	82	64	-	

WEATHER CHARTS

for 8 a.m. on Thursday, 13th September.

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ — forces above 10; → — forces 8 to 10;
→ — forces 5 to 7; → — forces 1 to 4;

○ — dead calm.

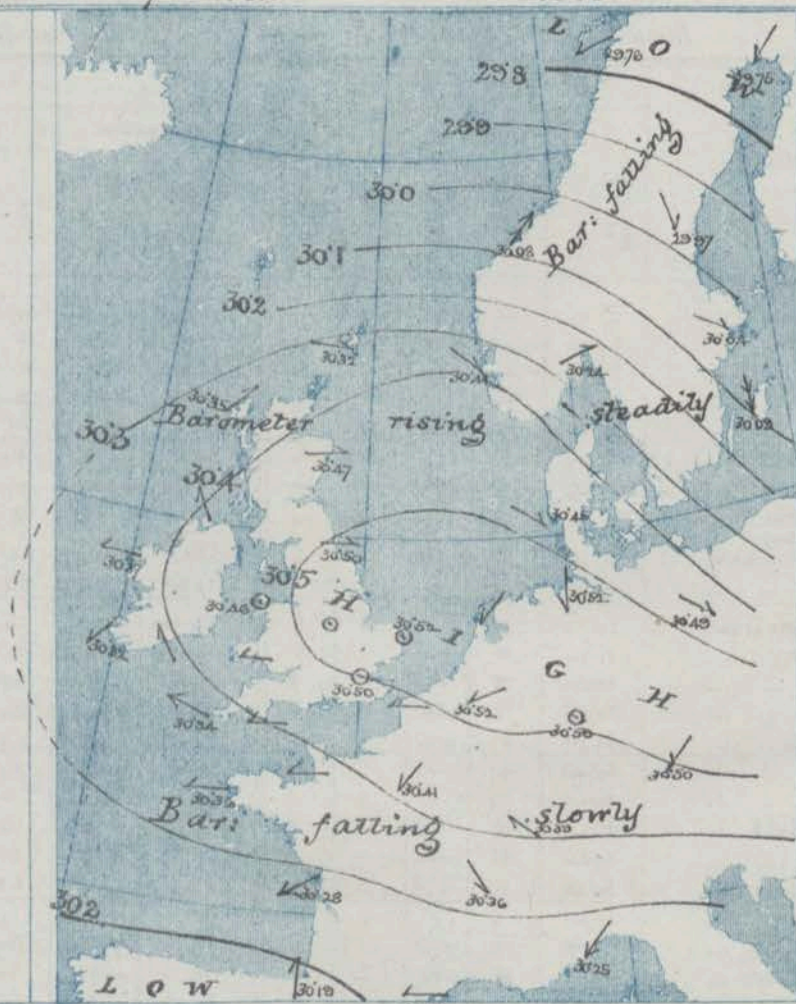
Sea Disturbance — where considerable is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September.
During the 15 Years 1871 — 1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.766
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.850
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Scilly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none.

Falls of 0.5 in. or more, are quoted in figures.

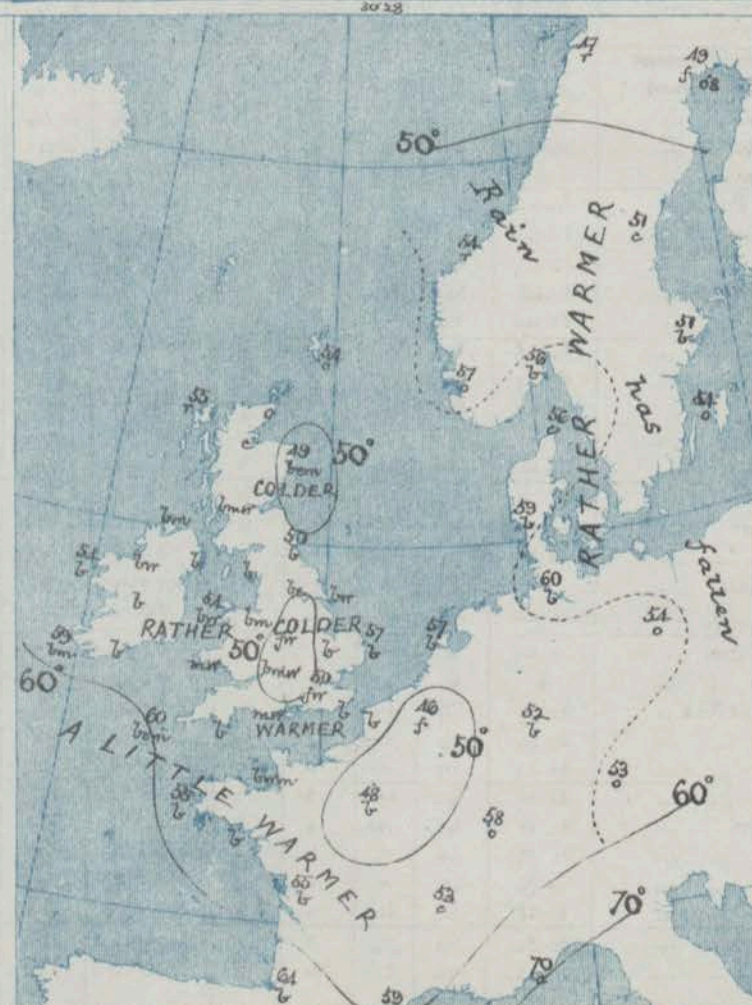
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of September.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	55.2	46.3	50.9	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.5	51.3	3.87
Donaghadee	59.6	48.9	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.5	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	53.1	56.2	53.8	3.89
Scilly	61.8	54.8	58.4	56.2	3.69
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.85
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	66.3	49.4	55.9	53.6	2.59
Oxford	63.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

NOTE — The Temperature means are for the 15 years 1871 — 85, the Rainfall means are mainly those for the 20 years 1866 — 85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.5 in. and more, in an anticyclonic lens, over Germany, the Netherlands, and the central and eastern parts of England.</p> <p>Lowest, 30.08 in. and less, at Lisbon and at Christiansund—29.8 in. and less, over Scotland.</p> <p>Gradients, very slight over the North Sea, moderate in the southwest, rather steep over Scandinavia.</p> <p>Barometer rising on our northern coast and over the North Sea, falling in the southwest.</p>
TEMPERATURE	<p>Highest, 70° at Ayr, 67° at Lisbon, 64° at Biarritz, 60° at Sicily, and Copenhagen, and 59° in the extreme south of Ireland.</p> <p>Lowest, 43° at Loughborough, 46° at Bourdeaux, 47° at Larnaca and Rods, 48° at Paris, and 49° at Oxford and Aberdeen.</p> <p>It went down to 38° at Loughborough, 40° at Cambridge, 41° at Oxford and Larnaca—<i>in the screen</i>—during the night.</p>
WIND	<p>Fresh from the E. over the Bay of Biscay and at the mouth of the Channel.</p> <p>Very light and variable on our northwestern coasts—light from the SW. in Scotland.</p> <p>Calm over England—light E. in the Channel—Moderate W.N.W. in Denmark.</p> <p>At Christiansund a fresh gale from SW. is reported.</p>
WEATHER	<p>Raining in the Hebrides and coast of Norway—very foggy with heavy dew over England.</p> <p>Fine and dry in almost all other districts, and settled looking.</p>
SEA	<p>Moderate at Christiansund, Lomoway and Sicily, slight or smooth elsewhere.</p>


PROBABLE CHANGES IN SYSTEM NOW PREVALENT


As the barometer is still falling in the southwest and south a freshening of the E. wind is probable in the Channel and south of England with dry weather. Light SE. to SW. breezes and fine weather seem probable elsewhere, except in the extreme north, where some rain is likely.

FORECASTS

For the 24 hours ending at NOON on 14th SEPT^r 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SW. and S. Winds, moderate; cloudy, some rain at times.	6 { SCOTLAND WEST	Same as No 0
1 { SCOTLAND EAST	} SW. breezes, light; fine.	7 { ENGLAND N. W.	SE. breezes, varying, light to moderate; fine.
2 { ENGLAND N. E.		8 { ENGLAND S. W.	Same as No 5
3 { ENGLAND EAST	Same as No 5	9 { IRELAND NORTH	} SE. breezes, moderate, fair generally.
4 { MIDLAND COUNTIES	SE. airs; fine generally. Cold at night.	10 { IRELAND SOUTH	
5 { ENGLAND SOUTH	E. breezes, freshening; fine, dry.	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.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.15	56	52	WNW 6	0	4	Holyhead ...	30.46	61	56	SSW 2	6	1
Sumburgh Head ...	30.20	54	53	W 2	0	2	Valencia ...	30.42	61	56	ESE 4	bcv	4
Stornoway ...	30.26	58	55	W 4	0	4	Scilly ...	30.45	61	55	ESE 2	c	1
Aberdeen ...	30.34	62	53	W 3	bc	1	Jersey ...	30.46	66	59	E 3	6	3
Shields ...	30.41	62	53	SW 2	c	2	Dungeness ...	30.48	64	57	WSW 2	6	1
Ardrossan ...	30.40	57	56	S 2	0	1	London ...	30.48	67	58	WNW 2	6	*
Malin Head ...	30.37	68	63	S 3	c	1	Yarmouth ...	30.46	61	56	NNE 2	6	2
Mullaghmore ...	30.39	63	55	E 4	bc	2	Rochefort ...	30.36	79	67	E 5	6	2
Belmullet ...	30.38	60	57	ESW 3	c	*							

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

The reports for yesterday morning showed that while the highest pressures of all 30.5 ins: and upwards were reported over the south of Russia a long and broad anticyclonic band in which readings exceeded 30.3 ins: extended thence across Germany, France and the southern parts of the United Kingdom to the Atlantic. The lowest pressures 29.8 ins: and less, were found in a well defined depression which lay over Central Sweden. The wind was W^{ly} over the northern parts of our Islands and the Eastern shores of the North Sea, and SW^{ly} or S^{ly} over the Baltic and Northern Russia. Over Spain and France, however, it varied between NE. and N. while over Italy, Algeria, and Central Europe it was very variable. The weather was fair generally, but fog or mist was reported in many parts of our Islands and France, and rain was falling at Hernisand and Helsingfors, as well as at Tunis. Temperature had risen a little over our Islands, the west of France and many parts of Russia, but fallen elsewhere; readings ranged from 75° and upwards over Algeria and South Italy to 50° or less over the northern parts of Scandinavia and Russia and over Central France. The highest individual readings were 80° at Rostov, 79° at Sfax, 77° at Brindisi, Cagliari, and Malta, 76° at La Calle and Tunis, and 75° at Lania; the lowest were 42° at Charleville, 45° at Carrel, Paris, and Nancy, 46° at Rodo, Charkov, and Nantes, and 47° at Oxford and Le Mans, and 48° at Haparanda, Clermont, and in London.

In the course of the day the depression over Norway travelled away in a northeasterly direction while the anticyclone band over Southern Europe drifted slowly eastwards. No important change was observed, however, in the winds or weather.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort S. ale 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Friday 14TH SEPT^R

1888.

Issued by the Meteorological Office, 116, Victoria Street, London. R.H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 2.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	29.67	49	Z	0	r	29.49	+ .04	45	44	—	4	NN	4	b	*	52	45	0.04
Hernösand ...	30.00	56	NNW	4	b	30.09	+ .12	56	51	+	5	NN	4	bc	*	61	43	—
Stockholm ...	30.13	59	WNW	2	0	30.15	+ .11	59	53	+	8	WNW	2	b	*	62	48	—
Wisby ...	30.22	59	WNW	4	b	30.20	+ .11	57	54	+	3	WNW	4	b	*	61	52	—
Bodö ...	29.89	46	WSW	6	b	30.09	+ .33	44	43	—	3	WSW	6	r	3	46	43	0.16
Christiansund...	30.20	54	WSW	9	0	30.26	+ .28	53	50	—	1	WSW	6	f	4	54	50	0.55
Skudesnaes ...	30.47	54	WNW	1	c	30.41	— .00	57	53	—	0	WNW	2	c	3	58	54	—
Christiania Fjord (Færd)	30.27	59	W	3	0	30.20	+ .06	57	54	+	1	WNW	2	b	1	61	55	—
Skagen (The Scaw)	30.31	55	WNW	1	b	30.30	+ .02	57	55	+	1	NN	1	b	1	61	50	—
Fanö ...	30.47	52	WNW	1	b	30.42	— .03	56	53	—	3	W	1	b	*	61	50	—
BRITISH ISLANDS.																		
Sumburgh Head	30.29	53	Z	0	c	30.29	+ .01	53	52	—	1	SSE	1	bc	2	60	46	—
Stornoway ...	30.24	57	SW	4	bc	30.24	— .14	56	53	+	1	S	2	b	0	60	45	—
Wick ...	30.29	56	S	1	b	30.20	— .12	54	52	—	1	S	2	b	0	66	45	—
Nairn ...	30.36	58	ESE	1	bc	30.28	— .12	47	46	—	7	Z	0	m	1	67	38	—
Aberdeen...	30.44	55	SSE	2	b	30.36	— .11	52	50	+	1	S	1	f	1	64	44	—
Leith ...	30.41	57	E	1	bc	30.33	— .15	55	51	—	0	SE	1	bm	*	64	40	—
Shields ...	30.44	55	ESE	2	c	30.37	— .13	50	49	—	0	SW	1	m	2	61	46	—
Spurn Head ...	30.46	57	ESE	3	bc	30.35	— .16	58	55	+	2	ESE	4	bm	3	61	53	—
York ...	30.45	63	ESE	1	b	30.37	— .15	45	45	—	5	ENE	1	f	*	70	39	—
Loughborough	30.42	61	ENE	1	b	30.24	— .18	52	67	+	9	E	2	ow	*	70	43	—
GERMANY.																		
Ardrossan ...	30.38	64	Z	0	bm	30.28	— .19	54	52	+	2	ENE	3	bm	2	66	48	—
Malin Head ...	30.29	60	SSE	3	b	30.20	— .20	53	52	—	1	SSE	3	bm	2	64	50	—
Mullaghmore...	30.26	63	SE	4	b	30.13	— .17	58	54	+	4	SE	5	b	4	66	53	—
Belmullet ...	30.23	62	SE	3	b	30.06	— .31	56	53	+	2	SSE	6	b	*	65	52	—
Donaghadee ...	30.27	56	SSW	2	bc	30.27	— .20	56	54	+	2	S	3	bm	1	60	53	—
FRANCE & NETHERLANDS.																		
Barrow-in-Furness	30.38	62	NE	1	bc	30.31	— .16	53	52	+	2	E	4	c	*	65	49	—
Liverpool (Bidston)	30.38	61	ENE	2	b	30.32	— .18	52	50	—	3	SE	3	0	3	67	51	—
Holyhead ...	30.35	58	Z	0	bm	30.25	— .21	56	62	+	2	E	1	bm	1	67	49	—
Parsonstown ...	30.30	60	SE	1	b	30.17	— .25	55	52	+	8	SE	2	0	*	66	46	—
Valencia ...	30.19	61	ESE	5	bm	30.04	— .28	63	59	+	4	ESE	5	om	5	64	56	—
Roche's Point...	30.27	59	SE	4	b	30.15	— .23	59	57	—	0	SE	4	bm	4	64	55	—
Pembroke ...	30.21	61	ESE	3	b	30.21	— .24	56	54	+	3	ESE	4	bm	3	63	53	—
Scilly ...	30.22	60	E	6	0	30.12	— .22	60	58	—	0	ESE	6	bm	5	64	48	—
Prawle Point ...	30.30	58	ENE	5	bc	30.23	— .18	55	54	—	3	ENE	3	og	2	61	53	—
Jersey ...	30.27	64	ENE	3	bm	30.20	— .19	63	59	+	4	E	2	bm	2	68	55	—
HURST CASTLE.																		
Hurst Castle ...	30.35	61	E	4	b	30.24	— .22	54	53	—	2	NE	3	m	2	66	50	—
Dungeness ...	30.24	59	ESE	6	b	30.24	— .21	58	55	—	0	E	4	b	3	63	56	—
London ...	30.41	58	E	3	bm	30.28	— .22	57	55	+	7	E	1	m	*	68	48	—
Oxford ...	30.41	57	SE	1	b	30.29	— .22	52	51	+	3	NE	1	bm	*	67	48	—
Cambridge ...	30.43	58	E	1	b	30.32	— .20	56	56	+	5	E	1	b	*	70	44	—
Yarmouth ...	30.46	58	E	3	b	30.34	— .18	58	56	+	1	E	4	b	2	62	55	—
GERMANY.																		
Cuxhaven ...	30.57	53	NN	1	b	30.50	— .02	58	51	—	7	SSW	1	f	*	?	50	—
Berlin ...	30.47	59	WNW	1	b	30.45	— .04	55	52	+	1	WNW	1	bc	*	63	48	—
Wiesbaden ...	*	*	*	*	*	30.37	— .18	55	53	+	3	NE	2	b	*	68	46	—
Munich ...	30.42	55	E	2	c	30.40	— .10	50	50	—	3	E	5	m	*	64	45	—
FRANCE & NETHERLANDS.																		
The Helder ...	30.48	59	ENE	3	b	30.40	— .14	56	52	—	1	E	1	b	2	63	55	—
Brussels ...	*	*	*	*	*	30.31	— .21	54	57	+	8	E	3	b	*	67	46	—
Cape Gris Nez...	30.36	59	ENE	5	b	30.23	— .24	54	52	+	1	E	5	b	4	64	52	—
Paris ...	30.28	64	NE	3	b	30.23	— .18	54	53	+	6	NE	1	b	*	72	48	—
Brest ...	30.24	68	Z	0	0	30.17	— .19	60	55	+	5	ESE	5	b	2	72	?	—
Lorient ...	30.23	68	SE	1	c	30.16	— .16	59	56	+	4	E	4	b	2	73	54	—
Rochefort ...	30.21	73	N	3	b	30.18	— .10	60	58	+	5	SE	4	b	2	91	55	—
Belfort ...	30.32	63	S	1	0	30.24	— .15	62	59	+	4	SE	1	c	*	66	55	—
Lyons ...	30.28	67	N	3	bc	30.16	— .20	69	60	+	10	N	1	b	*	72	56	—
Nice ...	30.24	69	WSW	3	b	30.19	— .06	73	64	+	3	E	1	b	0	82	63	—
Perpignan ...	30.21	66	SSW	3	b	30.22	— .06	62	61	+	3	NE	3	0	*	75	59	—
Biarritz ...	30.16	79	E	3	bc	30.12	— .07	71	62	+	7	SSE	3	b	0	87	64	—
PENIN. SULA.																		
Corunna ...	*	*	*	*	*	30.09	+ .01	69	64	+	2	Z	0	c	2	81	67	—
Lisbon ...	30.07	72	NNW	5	bc	30.09	+ .01	69	64	+	2	Z	0	c	2	81	67	—

WEATHER CHARTS

for 8 a.m. on Friday, 14th September 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10; → = forces 8 to 10;
 → = forces 5 to 7; → = forces 1 to 4;
 ○ = dead calm.

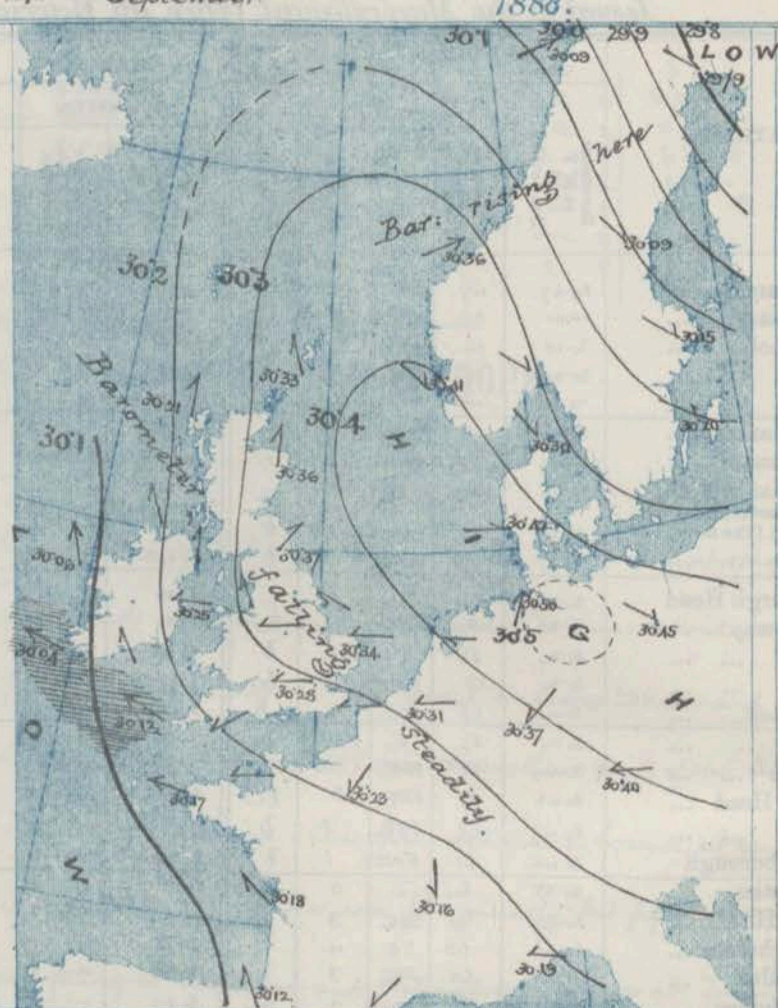
Sea Disturbance — where considerable is shown thus.

— = Rough — = High

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September.
 During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
	<i>in.</i>
Samburgh Head	29.706
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.880
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Scilly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of September.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 5 a.m.		
			Dry	Wet.	
Sumburgh Head	55.2	46.3	50.9	49.2	3.45
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.6	51.3	3.87
Donaghadee	59.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.6	51.9	3.56
Parsonstown	61.6	47.5	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	53.1	56.2	53.8	3.89
Scilly	61.8	54.8	58.4	56.2	3.09
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	66.3	49.4	55.9	53.6	2.59
Oxford	63.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

NOTE — The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 30 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.3 ins. to 30.5 ins. over the whole of Germany, Denmark, the eastern parts of St. Britain and the North Sea. Lowest 30.1 ins. and less over Portugal and the west of Ireland - 29.8 ins. and less over the east of Lapland. Gradients moderate - for S.E. winds in our Islands, for N.W. winds over Sweden. Barometer falling steadily in most places - but rising decidedly in the north of Scandinavia, and slightly at Lisbon.
TEMPERATURE	Highest 73° at Nice, 69° at Lisbon, 63° at Belfort and Valencia, 60° at Scilly, and 59° at Stockholm. Lowest 44° at Bodo, 45° at Haparanda and at York, 47° at Nisirn. It is rising rather decidedly over France, Ireland and England. It reached a max of 70 in several parts of England yesterday.
WIND	Moderate from E.S.E. over the Bay of Biscay - moderate to strong from S.E. in Ireland. Moderate from E in the Channel and on the west of England - light S.E. to S. on our northeast coasts. Over Scandinavia it is W. - moderate at the Swedish stations, strong in the northwest of Norway.
WEATHER	Rainy in the northwest of Norway only. Fine generally elsewhere, but with fog or haze at several of the southeastern and eastern stations.
SEA	Rather rough in the southwest, moderate to slight in the Channel, smooth elsewhere.



PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The changes in progress do not point to any immediate alteration of weather at present, except for a further increase of temperature over England and Scotland. The appearance is, however, less settled than it was yesterday.

FORECASTS

For the 24 hours ending at NOON on 15th September 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S. and S.W. breezes, moderate to fresh, becoming milder, fair to showery.	6 SCOTLAND WEST	
1 SCOTLAND EAST	S.E. and S. winds, light to moderate, fine.	7 ENGLAND N.W.	S.E. and S. winds, freshening, fair.
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST	Same as N° 5.	9 IRELAND NORTH	Wind becoming more S. strong to fresh, some showers in the west.
4 MIDLAND COUNTIES	Same as N° 1 and 2.	10 IRELAND SOUTH	
5 ENGLAND SOUTH	E. and S.E. winds, moderate to fresh, fair, dry.		
		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.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudeenæs ...	30.46	58	55	WNW 4	o	3	Holyhead ...	30.41	63	57	N 2	b	1
Sumburgh Head ...	30.38	58	55	W 2	c	3	Valencia ...	30.25	63	58	ESE 6	bm	5
Stornoway ...	30.37	59	54	SW 4	c	4	Scilly ...	30.28	63	59	ESE 6	c	4
Aberdeen ...	30.46	63	53	SSE 2	b	1	Jersey ...	30.34	66	54	E 4	b	3
Shields ...	30.48	59	54	ENE 2	bm	2	Dungeness ...	30.40	62	57	ESE 5	b	4*
Ardrossan ...	30.44	64	59	L 0	b	0	London ...	30.45	64	57	E 3	b	
Malin Head ...	30.35	63	56	SSE 3	b	2	Yarmouth ...	30.52	62	58	E 2	b	2
Mullaghmore ...	30.33	64	56	ESE 5	b	3	Rocheport ...	30.25	55	p	E 4	b	2
Bolnullet ...	30.30	64	56	SSE 3	b	*							

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

The reports for yesterday morning showed that while the highest pressures of all, 30.5 ins. and upwards, were found in an anticyclone lying over the Netherlands, North Germany and the east of England, a large band of high readings, 30.3 ins. and upwards, covered a large portion of Europe, its eastern extremity extending to the south of Russia, while its western limit reached the west and north of our Islands. Over Lapland and Finland however, a depression was shown, with readings below 29.8 ins. With these conditions

SW. or W. winds were reported in the extreme north of our Islands and the west of Norway, NW breezes over Sweden, Denmark and North Germany, and SW. or S. breezes over Finland and the Baltic Provinces. Over all the more southern parts of Europe, the wind was chiefly E. or NE. while in Algeria it was SE. or S.

The weather was fine on the whole, but rain was falling in the Hebrides and West of Norway. Temperature had fallen a little in our Islands as well as in the Netherlands, Austria and northern Russia, but risen elsewhere; readings ranged from 75° and upwards, over southern Italy and some parts of Algeria to 50° and less, over the northern parts of Scandinavia and Russia, and the central parts of most other countries. The highest individual readings were 79° at Brindisi and Nemours, 77° at Cagliari and Malta, 75° at Bilbao, Leghorn, Naples and Biskra, and 74° at Lesina and San Fernando; the lowest were 43° at Archangel and Loughborough, 45° at Cassel, 46° at Munster and Brussels, 47° at Bodo, Parsonstown and Le Mans, and 48° at Paris and Prague.

In the course of the day the large anticyclonic system noticed above moved slowly eastward, and the barometer fell in most parts of the United Kingdom, while SE. winds appeared on our western coasts. The weather remained fine, but temperature did not reach a very high level.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Saturday, 15th September

1888.

Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	30.03	46	N	2	b	30.22	+ .43	42	41	- 3	NE	2	b	*	57	36	-	
	Hernösand ...	30.23	51	NW	4	b	30.33	+ .24	47	43	- 4	2	0	b	*	64	50	-	
	Stockholm ...	30.23	59	NW	4	b	30.26	+ .11	51	47	- 4	N	2	b	*	67	54	-	
	Wisby ...	30.23	57	W	2	b	30.26	+ .06	56	51	- 5	N	4	b	*	63	54	-	
	Bodö ...	30.30	43	W	2	0	30.28	+ .19	43	41	- 2	ESE	2	0	1	46	39	-	
	Christiansund...	30.34	50	ESE	1	b	30.19	- .17	49	46	- 3	ESE	1	b	3	55	48	-	
	Skudesnaes ...	30.28	53	NW	2	0	30.23	- .18	52	54	+ 2	SSE	2	c	3	59	54	-	
	Christiania Fjord (Fjord)	30.28	59	NW	2	b	30.23	- .07	54	50	- 4	NNE	4	b	1	63	54	-	
	Skagen (The Scaw)	30.29	56	2	0	b	30.26	- .04	53	53	- 0	W	1	b	0	64	46	-	
	Fanö ...	30.34	50	2	0	b	30.26	- .16	53	51	- 2	SSE	2	b	*	61	46	-	
BRITISH ISLANDS.	Sumburgh Head	30.20	53	SSE	1	c	30.03	- .30	54	51	+ 3	SSE	3	b	4	57	49	-	
	Stornoway ...	30.04	59	S	4	b	29.89	- .32	56	56	0	SW	6	p	5	63	51	0.10	
	Wick ...	30.14	58	S	3	b	30.00	- .30	54	52	- 2	S	4	b	2	60	50	-	
	Nairn ...	30.11	62	S	2	b	29.96	- .32	61	55	+ 6	SSW	1	c	1	70	45	-	
	Aberdeen...	30.24	53	SSE	3	0	30.10	- .26	51	50	+ 1	S	2	0	0	60	50	-	
	Leith ...	30.19	60	S	1	b	30.08	- .25	54	52	- 2	2	0	b	*	70	45	-	
	Shields ...	30.24	55	SE	3	b	30.14	- .23	52	51	+ 1	SSW	2	0	2	59	48	-	
	Spurn Head ...	30.25	56	ESE	4	b	30.16	- .19	56	55	- 1	2	0	0	3	61	53	-	
	York ...	30.25	60	E	3	b	30.17	- .20	51	51	+ 0	E	1	b	*	69	42	-	
	Loughborough	30.21	63	ESE	1	b	30.17	- .17	52	52	0	ESE	1	0	*	72	50	-	
GERMANY.	Ardrossan ...	30.16	60	E	1	b	30.05	- .23	55	55	+ 0	ESE	2	0	1	67	52	0.02	
	Malin Head ...	30.04	62	SSE	4	b	29.93	- .27	58	57	+ 1	SSE	4	0	2	66	53	0.14	
	Mullaghmore ...	30.02	66	SE	5	c	29.98	- .15	58	56	- 2	SSW	5	0	3	69	57	0.23	
	Belmullet ...	29.96	63	S	3	0	30.01	- .05	55	54	- 1	NW	6	0	*	67	50	0.30	
	Donaghadee ...	30.16	56	SSW	2	b	30.05	- .22	56	56	0	SSW	3	0	1	60	53	0.21	
	Barrow-in-Furness	30.20	61	E	2	b	30.12	- .19	54	53	+ 1	NE	2	0	*	65	52	-	
	Liverpool (Bidston)	30.19	62	SE	2	b	30.12	- .20	53	51	+ 2	SE	3	0	3	67	50	-	
	Holyhead ...	30.16	63	SSW	1	b	30.09	- .16	60	58	+ 2	S	1	0	1	70	53	0.01	
	Parsonstown ...	30.07	62	SE	2	0	30.06	- .11	58	56	+ 2	SW	1	0	*	69	54	0.15	
	Valencia ...	30.01	60	SE	5	0	30.07	+ .03	58	56	- 2	NW	2	0	2	65	55	0.06	
FRANCE & NETHERLANDS.	Roche's Point...	30.08	59	SE	4	0	30.07	- .08	59	56	- 3	NW	2	0	3	61	58	0.20	
	Pembroke ...	30.14	60	ESE	3	m	30.11	- .10	59	58	+ 1	SE	3	0	3	61	56	-	
	Scilly ...	30.08	60	ESE	5	0	30.09	- .03	61	61	+ 0	2	0	b	2	63	47	-	
	Prawle Point ...	30.17	58	ESE	2	b	30.15	- .08	60	58	+ 2	E	2	b	2	63	53	-	
	Jersey ...	30.15	67	E	1	b	30.16	- .04	65	61	+ 4	NE	1	b	1	71	55	-	
	Hurst Castle ...	30.17	61	ESE	2	b	30.17	- .07	54	54	0	E	1	b	0	67	64	-	
	Dungeness ...	30.16	60	ESE	3	m	30.13	- .11	50	50	- 0	N	2	b	1	63	43	-	
	London ...	30.20	60	E	2	b	30.17	- .11	54	53	- 1	W	1	0	*	71	53	-	
	Oxford ...	30.20	59	SE	1	c	30.18	- .11	47	47	- 0	2	0	b	*	70	45	-	
	Cambridge ...	30.22	60	E	1	b	30.17	- .15	54	53	- 1	N	1	0	*	71	47	-	
PENINSULA.	Yarmouth ...	30.25	59	E	4	b	30.13	- .21	60	59	+ 1	2	0	b	2	61	56	-	
	Cuxhaven ...	30.39	54	N	2	b	30.30	- .20	56	54	- 2	ESE	3	b	*	59	53	-	
	Berlin ...	30.34	60	NNE	1	b	30.28	- .17	55	51	- 4	SSE	1	b	*	64	50	-	
	Wiesbaden ...	*	*	*	*	*	30.23	- .14	55	53	- 2	2	0	b	*	68	50	-	
	Munich ...	30.33	57	E	1	c	30.29	- .11	50	49	- 1	E	1	b	*	63	48	0.04	
	The Helder ...	30.25	59	ESE	3	b	30.17	- .23	56	54	- 2	E	1	b	1	64	53	-	
	Brussels ...	*	*	*	*	*	30.17	- .14	60	59	+ 1	E	1	b	*	71	54	-	
	Cape Gris Nez...	30.17	59	2	0	c	30.15	- .08	59	59	0	W	1	m	0	73	57	-	
	Paris ...	30.17	68	NE	1	b	30.19	- .04	52	52	- 0	NE	1	b	*	80	50	-	
	Brest ...	30.14	70	2	0	b	30.17	- .00	64	58	+ 6	SE	1	b	1	75	41	-	

WEATHER

CHARTS

for 8 a.m. on Saturday 15th September.

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent wind. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4;
○ = dead calm.

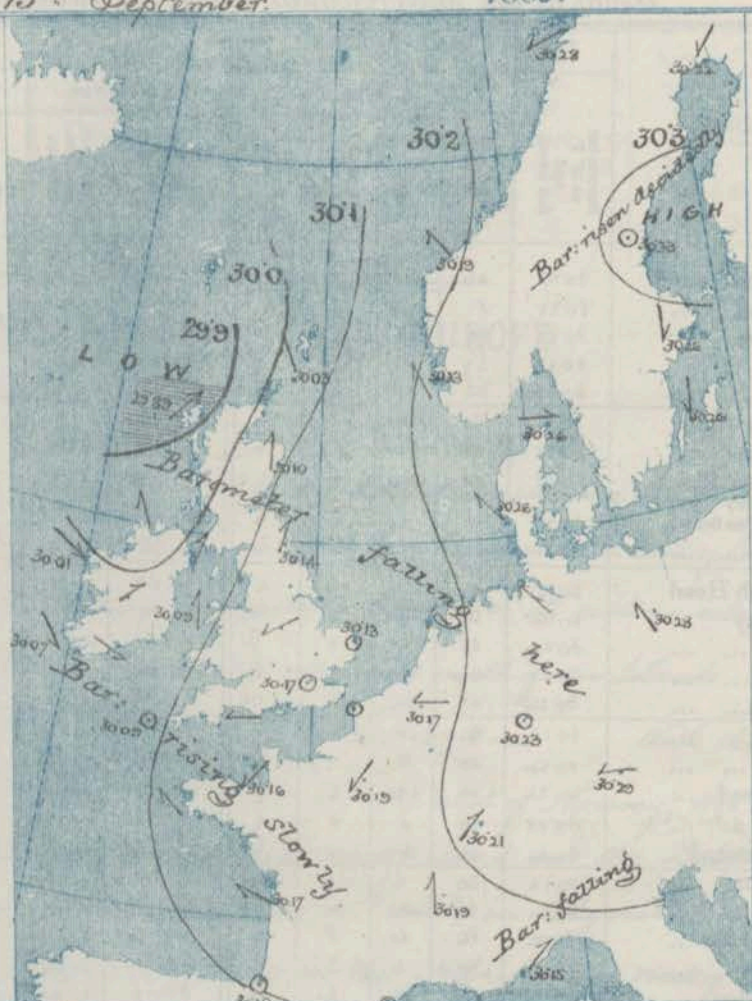
Sea Disturbance — where considerable is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

at 6 a.m. for the month of September.
During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.766
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.848
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.850
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Scilly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of September.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	Dry at 8 a.m.	Wet.	
Sumburgh Head	56.2	46.3	50.0	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.5	51.3	3.87
Donaghadee	59.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.6	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	53.1	56.2	53.8	3.89
Scilly	61.8	54.8	58.4	56.2	3.69
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	66.3	49.4	55.9	53.6	2.59
Oxford	63.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

NOTE — The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 20 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.2 ins. to 30.3 ins. over Scandinavia, the Baltic, Germany, and the east of France and (apparently) to 1 ins. and more off the southwest of Ireland. Lowest 29.9 ins. and less to the northwestward of the Hebrides, 30.0 ins. and less over the western part of the Mediterranean. Gradients very slight except over Scotland and the north of Ireland. Barometer rising again in the southwest of Ireland, as well as over France - falling over northern parts of St. Britain and North Sea.
TEMPERATURE	Highest 72° at Nice, 67° at Lisbon, 64° at Brest and Belfort, 61° at Nairn. Lowest 42° at Haparanda, 43° at Rode, 47° at Hernoisand, 49° at Christiansund and 51° at Aberdeen. It rose yesterday to 72° at Loughborough to 71° at Jersey, London and Cambridge and 70° at Oxford, Holyhead, Leith and Nairn.
WIND	S. by S.W. by in Scotland and the north of Ireland (strong at some of the western stations) N.W. by in the west of Ireland (strong at Balmullet) Extremely variable elsewhere - almost dead calm over England.
WEATHER	Very fine in France and Germany - foggy and damp over England Dull in Ireland - rainy in the west of Scotland - variable over Scandinavia. Rain has fallen at the Irish stations, in the Hebrides and in the west of Scotland. In the west of Ireland the fall has been considerable.
SEA	Rather rough in the extreme north and at Lisbon, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure is of a less settled type than that recently prevailing, but the general appearance is not of a threatening character at present.

FORECASTS

for the 24 hours ending at NOON on 16th September 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	Varying winds; rather unsettled, perhaps some rain, then finer and colder.	6 { SCOTLAND WEST	Wind shifting to the NW th or N th again, with colder but finer weather.
1 { SCOTLAND EAST		7 { ENGLAND N. W.	
2 { ENGLAND N. E.	Varying winds or light breezes; damp mists, or fogs at first, then finer but colder.	8 { ENGLAND S. W.	NW th breezes, moderate; weather improving. Cold to night.
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.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.35	59	55	WNW 6	b m	3	Holyhead ...	30.19	69	60	S 2	b	1
Sumburgh Head ...	30.27	56	54	SSE 1	b	2	Valencia ...	30.03	62	60	SE 6	om	5
Stornoway ...	30.11	62	57	SE 2	b	2	Scilly ...	30.11	62	60	ESE 6	cm	5
Aberdeen ...	30.29	56	53	SSE 3	b	3	Jersey ...	30.17	70	63	ESE 2	b	2
Shields ...	30.30	57	54	E 2	b	3	Dungeness ...	30.17	63	59	ESE 4	bc	3
Ardrossan ...	30.21	65	64	ESE 2	b	1	London ...	30.21	67	62	ESE 3	b	*
Malin Head ...	30.05	66	59	SSE 6	b	2	Yarmouth ...	30.28	61	57	E 4	b	4
Mullaghmore ...	30.05	68	60	ESE 6	b	4	Rochefort ...	30.18	85	66	2 0	bc	1
Belmullet ...	30.00	65	59	SSE 6	c	*							

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

The reports for yesterday morning showed that high pressures were still prevalent over the greater part of Europe. The highest readings of all 30.4 ins. and upwards, were reported in an anticyclonic band which extended northwestwards from Germany to the southwest of Norway, but the barometer exceeded 30.1 ins. in all localities excepting the north of Russia, where there was a depression with readings below 29.6 ins. The wind was SE⁴ or S⁴ in our Islands and the west of France but NW⁴ over Scandinavia, Finland, the Baltic and north Germany, and NE⁴ in Spain and the east and south of France. In Italy and Algeria variable breezes were reported. The weather was generally fine, but fog or mist was reported at several of the inland stations, and rain was falling at Bodo. Temperature had risen at all but the Austrian and a few of the Scandinavian and Russian stations, and readings ranged from 75° and upwards, in several parts of Spain, Italy and Algeria to 50° or less, in some of the more central districts, and to 45° or less, in the neighbourhood of the White Sea. The highest individual readings were 78° at Brindisi and Sfax, 77° at Oporto and Algiers, 76° at Bilbao, Leghorn, Malta and Biskra, and 75° at Naples, Cron and La Galle, the lowest were 42° at Archangel, 44° at Bodo, 45° at Naparanda and York, 47° at Nairn, 48° at Uleaborg and Basel, and 49° at Hamburg, Prague and Warsaw.

In the course of the day the barometer fell generally, and the anticyclonic band showed signs of giving way. No important change was however, observed in the winds or weather excepting on our west coasts, where rain set in towards night.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Sunday 16th SEPT^r 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. 0 to 3.)		SHADE TEMP.		
			Dir.	Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)				Max.	Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ..	30.26	41	2	0	b	30.30	+ .08	42	40	0	ESE	2	b	*		54	36	—
	Hernösand ...	30.21	38	2	0	b	30.32	— .01	41	40	— 6	Z	0	bc	*		61	37	—
	Stockholm ...	30.25	50	2	0	b	30.21	— .05	50	46	— 1	Z	0	b	*		63	46	—
	Wisby ...	30.25	47	E	2	b	30.19	— .07	52	51	— 4	E	4	bc	*		59	46	—
	Bodö ...	30.12	46	E	2	b	30.06	— .22	49	43	+ 6	ENE	2	0	1		49	39	—
	Christiansund...	30.06	54	ESE	2	c	30.04	— .15	53	51	+ 4	ESE	1	c	3		59	45	—
	Skudesnaes ...	30.13	55	SSE	6	0	30.12	— .11	55	51	0	SE	4	0	4		61	55	—
	Christiania Fjord (Farder)	30.17	60	Z	0	0	30.12	— .11	56	53	+ 2	Z	0	0	0		59	54	—
	Skagen (The Scaw)	30.16	56	Z	0	b	30.13	— .13	53	52	0	S	1	b	0		61	45	—
	Fanö ...	30.14	55	E	3	c	30.08	— .18	56	55	+ 3	E	4	c	*		61	52	—
BRITISH ISLANDS.	Sumburgh Head	29.93	51	SSE	3	r	30.05	+ .02	51	48	— 3	WNW	1	c	3		56	46	0.16
	Stornoway ...	29.94	52	NW	4	0	30.11	+ .22	50	49	— 6	SW	3	0	3		58	39	0.10
	Wick ...	29.91	55	Z	0	r	30.12	+ .12	50	49	— 4	NW	2	b	1		55	45	0.35
	Nairn ...	29.91	58	Z	0	c	30.15	+ .19	49	47	— 12	Z	0	bc	1		63	45	0.14
	Aberdeen...	30.00	54	S	1	om	30.17	+ .07	52	48	+ 1	NW	3	bc	2		55	46	0.14
	Leith ...	30.00	59	N	2	c	30.18	+ .10	52	49	— 2	SW	1	0	*		70	49	0.17
	Shields ...	30.04	57	S	2	0	30.15	+ .01	51	50	— 1	W	2	r	2		59	50	0.03
	Spurn Head ...	30.11	57	SSE	2	c	30.15	— .01	56	54	0	NNW	4	c	3		62	53	0.08
	York ...	30.10	59	S	1	m	30.19	+ .02	54	51	+ 3	WNW	2	0	*		59	50	0.05
	Loughborough	30.11	65	Z	0	0	30.20	+ .03	55	53	+ 3	WNW	2	0	*		69	51	0.04
GERMANY.	Ardrossan ...	30.01	57	W	2	0	30.21	+ .16	55	53	0	NNW	1	c	1		58	50	0.01
	Malin Head ...	30.08	54	NW	4	opd	30.23	+ .30	53	50	— 5	SW	3	bc	2		60	50	0.02
	Mullaghmore ...	30.15	55	NW	5	0	30.26	+ .28	54	50	— 4	SW	3	bc	2		58	40	—
	Belmullet ...	30.18	54	NNW	3	0	30.26	+ .25	56	51	+ 1	WSW	2	b	*		57	47	0.02
	Donaghadee ...	30.10	57	NNW	3	0	30.26	+ .21	54	51	— 2	NW	3	c	1		59	52	0.16
	Barrow-in-Furness	30.09	58	WSW	3	r	30.21	+ .09	55	51	+ 1	N	2	bc	*		60	51	0.06
	Liverpool (Bidston)	30.11	59	WNW	2	0	30.23	+ .11	55	49	+ 2	WNW	3	0	3		62	53	0.02
	Holyhead ...	30.12	58	WSW	2	cp	30.25	+ .16	55	49	— 5	NNW	4	c	4		61	52	0.19
	Parsonstown ...	30.18	56	NW	2	0	30.31	+ .25	43	46	— 10	Z	0	b	*		62	43	—
	Valencia ...	30.23	57	WNW	1	bc	30.33	+ .26	54	52	— 4	Z	0	0	1		62	49	—
FRANCE & NETHERLANDS.	Roche's Point...	30.17	58	NNW	4	b	30.30	+ .28	52	49	— 7	NNW	2	b	3		63	47	—
	Pembroke ...	30.14	59	NW	2	c	30.27	+ .16	55	51	— 4	N	2	bc	1		62	50	—
	Scilly ...	30.16	60	NNW	4	0	30.26	+ .17	59	56	— 2	NNE	4	c	3		62	55	—
	Prawle Point ...	30.15	60	WNW	2	c	30.27	+ .12	61	57	+ 1	N	3	b	1		67	50	—
	Jersey ...	30.14	70	NE	1	b	30.21	+ .05	64	61	— 1	N	2	om	2		72	59	—
	Hurst Castle ...	30.15	68	ESE	2	c	30.20	+ .03	60	58	+ 6	NNE	2	b	0		68	54	—
	Dungeness ...	30.13	64	W	2	m	30.13	0.00	59	58	+ 9	NW	1	m	1		66	49	0.04
	London ...	30.14	68	SW	1	0	30.18	+ .01	57	53	+ 3	NW	1	0	*		74	54	0.02
	Oxford ...	30.13	64	SW	1	0	30.22	+ .04	57	54	+ 10	NW	1	b	*		71	46	—
	Cambridge ...	30.12	62	Z	0	0	30.18	+ .01	58	54	+ 4	NW	1	bc	*		68	47	0.03
PENIN- SULA.	Yarmouth ...	30.12	62	SW	1	b	30.12	— .01	57	56	— 3	NW	2	omd	2		64	55	0.08
	Cuxhaven ...	30.17	55	ESE	3	b	30.13	— .17	54	52	— 2	Z	0	f	*		62	52	—
	Berlin ...	30.16	61	ESE	2	b	30.10	— .18	55	53	0	SE	1	bc	*		68	52	—
	Wiesbaden ...	*	*	*	*	*	30.13	— .10	56	55	+ 1	Z	0	0	*		68	52	—
	Munich ...	30.23	53	E	1	c	30.20	— .09	56	56	+ 6	E	1	c	*		61	50	—
	The Helder ...	30.11	60	E	1	af	30.09	— .08	59	59	+ 3	NNW	1	r	1		64	56	0.20
	Brussels ...	*	*	*	*	*	30.15	— .02	58	57	— 2	WSW	1	r	*		65	57	0.04
	Cape Gris Nez...	30.16	61	W	3	m	30.12	— .03	60	60	+ 1	SSW	3	c	1		64	57	—
	Paris ...	30.16	66	N	1	b	30.19	0.00	54	53	+ 2	SW	1	0	*		80	50	—
	Brest ...	30.21	64	NNW	3	0	30.23	+ .06	58	55	— 6	ENE	4	0	2		75	41	—
GERMANY.	Lorient ...	30.15	72	Z	0	b	30.17	+ .04	60	58	— 1	ENE	1	b	2		81	59	—
	Rochefort ...	30.17	74	NW	4	b	30.17	0.00	63	61	+ 1	E	3	b	2		95	57	—
	Belfort ...	30.17	69	SW	1	b	30.16	— .05	71	66	+ 7	SW	1	b	*		77	47	—
	Lyons ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*
	Nice ...	30.13	69	SSW	1	b	30.08	— .07	71	63	— 1	ENE	1	b	3		81	?	—
	Perpignan ...	30.14	66	NE	1	0	30.12	— .06	61	61	— 5	SW	1	0	*		76	61	—
	Biarritz ...	30.08	72	NE	4	b	30.13	+ .03	67	65	+ 1	Z	0	b	1		77	63	—
	Corunna ...	*	*	*	*	*	30.10	+ .02	62	62	— 7	WSW	1	f	4		81	57	—
	Lisbon ...	30.06	70	SW	4	b	30.10	+ .03	66	63	— 1	Z	0	b	5		75	64	—

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on

Sunday, 16th September

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Iso-bars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10; →→ = forces 8 to 10;
→→ = forces 5 to 7; → = forces 1 to 4;
○ = dead calm.

Sea Disturbance — where considerable, is shown thus.

■ = Rough ■ = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September
During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.766
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.850
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Scilly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather — is shown by letters of the Beaufort Scale.

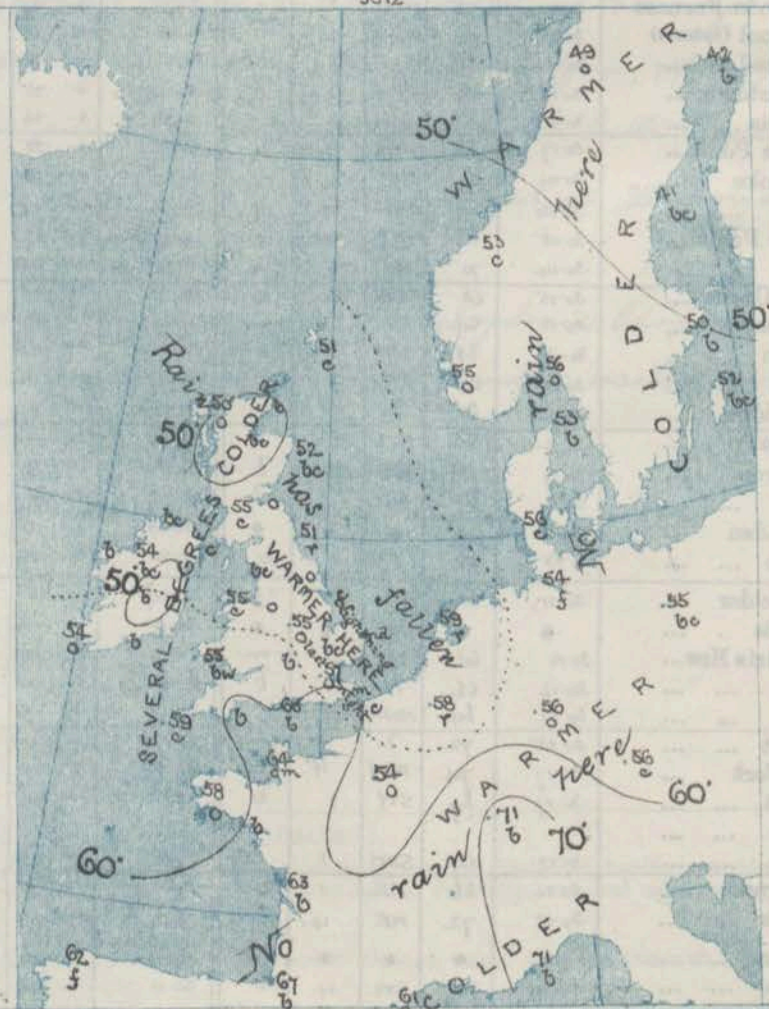
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of September.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.	Wet.	
Sumburgh Head	55.2	46.3	50.0	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.8	53.1	51.1	2.68
York	63.3	47.3	52.3	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.5	51.3	3.87
Donaghadee	59.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.5	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	53.1	56.2	53.8	3.89
Scilly	61.8	54.8	58.4	56.2	3.69
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	66.3	49.4	55.9	53.6	2.59
Oxford	63.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

NOTE — The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 20 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	<i>Highest, 30.3 ins. and upwards, in two anticyclones lying respectively over the Gulf of Bothnia and the south of Ireland. Lowest, 30.1 ins. and less, in a large area lying to the westward of Norway, and also in smaller areas lying respectively over Denmark and north Germany over the Gulf of Genoa and over Portugal. Gradients slight. Barometer falling in Norway, Denmark, Germany, and the south of France, but rising elsewhere.</i>
TEMPERATURE	<i>Highest, 71° at Belfast and Nice, 67° at Birmm, 66° at Lieke, 64° at Jersey, 63° at Rochefort, and 61° at Brest and Perpignan. Lowest, 41° at Huesca, 42° at Haparanda, 48° at Krasnoyarsk, and 49° at Rode and Kairou.</i>
WIND	<i>Light S.W. on our extreme northwest coast, N.W. in the east, and N. in the south. Light E. on the west coast of Norway and France; variable in other parts of the Continent.</i>
WEATHER	<i>Fair generally, but dull in places and rainy at Helder and Roussel. Rain fell yesterday at all but our southwestern and extreme southern stations, and lightning was seen in London at night.</i>
SEA	<i>Slight or smooth elsewhere.</i>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The V-shaped depression noticed over our western coast yesterday has travelled eastwards to the North Sea and is apparently dissipating.

A new anticyclone has now appeared over Ireland, and the general appearance has improved somewhat.

FORECASTS

for the 24 hours ending at NOON on 17th SEPT^r 1888.

DISTRICTS.

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

FORECASTS.

NONE ISSUED.

DISTRICTS.

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

WARNINGS

FORECASTS.

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.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		
Skudesnaes ...	30.20	60	55	S	4	c	3	Holyhead ...	30.10	60	58	SW	3	op	2
Sumburgh Head ...	29.97	52	51	SSE	4	o	4	Valencia ...	30.21	62	57	NW	2	bc	2
Stornoway ...	29.88	57	57	SW	4	r	4	Scilly ...	30.14	61	60	NNW	3	f	4
Aberdeen ...	30.02	52	51	SSE	2	orm	3	Jersey ...	30.16	70	64	ENE	1	b	1
Shields ...	30.07	58	50	S	2	r	2	Dungeness ...	30.18	64	60	N	2	m	2
Ardrossan ...	30.02	57	57	ENE	2	r	1	London ...	30.14	73	63	WSW	1	c	*
Malin Head ...	29.99	55	54	WNW	4	o	3	Yarmouth ...	30.12	64	62	E	1	b	2
Mullaghmore ...	30.10	55	53	WNW	6	omp	5	Rochefort ...	30.17	91	75	E	4	b	2
Belmullet ...	30.15	50	51	NNW	3	o	*								

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

The reports for yesterday morning showed that pressure was high over southeastern, central, and western Europe, as well as over the Baltic and Scandinavia. In these regions the readings varied from 30.1 ins. to 30.3 ins., but in a northwesterly direction they decreased to rather below 29.5 ins. off our extreme northwestern coasts, while to the eastward they decreased to rather below 29.7 ins. in a large depression lying over Central Russia. The wind was consequently N^W over the Baltic and Eastern Europe, and the weather was fine, but rather cold; over France and Germany variable air and fine weather were reported, while in the British Islands the wind was variable (chiefly S^W), the weather foggy over England, showery in the north and west. Temperature ranged from 70° and upwards over the Mediterranean to rather below 40° over Northern Europe, and over the Netherlands it was locally high. The highest individual readings were 77° at Sfax (Tunis), Brindisi and Bilbao, 76° at Cagliari, 75° at Malta, 73° at Monaco and 72° at Kees; the lowest were 38° at Archangel, 41° at Uleaborg, 42° at Haparanda and Kuopio, 43° at Rode, 45° at St. Petersburg, and 46° at Moscow.

Later in the day a depression moved eastwards over our northern districts, with a V-shaped secondary disturbance spreading southwards over England. Slight showers fell in many places, and lightning was seen in London at night.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Monday, 17th September 1888.

Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 2.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ..	30.31	36	Z	0	b	30.27	- .03	44	42	+ 2	SW	2	b	*	50	32	-		
Hernösand ...	30.33	43	Z	0	c	30.32	- .00	49	49	+ 0	S	2	o	*	57	32	-		
Stockholm ...	30.25	45	Z	0	b	30.28	+ .07	48	45	- 3	Z	0	b	*	57	41	-		
Wisby ...	30.25	48	NNE	2	b	30.28	+ .09	51	47	- 4	NNE	2	b	*	57	43	-		
Bodö ...	30.05	51	E	4	bc	29.95	- .10	53	49	+ 4	SE	2	r	1	55	46	-		
Christiansund...	30.11	55	Z	0	c	30.10	+ .06	53	51	- 2	Z	0	o	4	57	50	-		
Skudesnaes ...	30.23	57	Z	0	o	30.26	+ .03	57	55	+ 2	SSE	2	o	3	57	55	-		
Christiania Fjord (Fjord)	30.21	56	SSW	2	b	30.27	+ .06	52	51	- 1	N	2	bc	1	59	52	-		
Skagen (The Scaw)	30.19	53	Z	0	b	30.27	+ .08	55	53	+ 2	Z	0	b	0	63	46	-		
Fanö ...	30.23	53	ESE	4	b	30.25	+ .02	53	53	- 0	E	4	c	*	64	52	-		
BRITISH ISLANDS.																			
Sumburgh Head	30.11	52	SW	1	o	30.10	+ .05	52	50	+ 2	SW	1	b	2	55	49	-		
Stornoway ...	30.11	56	SW	5	c	30.11	- .00	53	53	+ 0	SW	4	c	4	60	45	-		
Wick ...	30.15	54	S	2	bc	30.11	- .04	56	53	+ 3	W	1	bc	0	58	50	-		
Nairn ...	30.17	59	SW	2	c	30.15	- .02	57	52	+ 5	WSW	2	bc	2	61	47	-		
Aberdeen...	30.22	52	S	2	bc	30.19	+ .03	51	49	- 2	NW	1	bc	1	61	45	-		
Leith ...	30.21	60	SW	1	b	30.23	+ .02	52	49	- 3	W	1	bm	*	64	45	-		
Shields ...	30.23	64	ESE	2	b	30.25	+ .02	46	45	- 1	WSW	2	m	2	59	43	-		
Spurn Head ...	30.24	55	N	4	c	30.28	+ .04	52	50	- 2	N	2	bc	2	57	49	-		
York ...	30.26	58	ESE	1	b	30.29	+ .03	43	42	- 1	E	1	b	*	62	39	-		
Loughborough	30.25	58	NE	1	o	30.30	+ .05	47	46	- 1	Z	0	bm	*	64	42	-		
Ardrossan ...	30.24	59	W	1	b	30.24	+ .03	51	50	- 1	E	1	bm	0	61	45	-		
Malin Head ...	30.25	57	WNW	1	bc	30.26	+ .01	54	51	+ 3	SW	3	ow	3	62	46	-		
Mullaghmore ...	30.25	56	SW	2	b	30.23	- .02	56	51	+ 5	SW	1	o	*	59	50	-		
Belmullet ...	30.25	55	SSE	2	b	30.27	+ .02	53	52	- 1	W	3	b	1	63	52	-		
Donaghadee ...	30.25	58	NW	2	b	30.27	+ .02	51	50	- 1	NE	3	c	*	60	48	-		
Barrow-in-Furness	30.28	56	NW	1	b	30.29	+ .01	54	51	+ 3	SSE	1	b	1	59	47	-		
Liverpool (Bidston)	30.29	54	N	2	b	30.25	- .04	56	53	+ 3	Z	0	bc	0	58	47	-		
Holyhead ...	30.27	60	Z	0	b	30.31	+ .04	43	42	- 1	Z	0	b	*	64	37	-		
Parsonstown ...	30.30	57	SSW	2	bc	30.29	- .01	54	52	- 2	NNE	1	o	1	62	46	-		
Valencia ...	30.30	58	SE	1	b	30.28	- .02	50	48	- 2	NW	1	b	3	62	45	-		
Roche's Point...	30.27	53	NNE	2	b	30.28	+ .01	51	49	- 2	ESE	2	m	1	58	48	-		
Pembroke ...	30.25	56	NE	4	bc	30.24	- .01	59	56	- 3	E	1	c	2	61	52	-		
Scilly ...	30.24	57	Z	0	b	30.27	+ .03	55	53	- 2	NNE	3	c	1	67	47	-		
Prawle Point ...	30.21	61	NW	3	b	30.23	+ .02	59	54	+ 5	NE	2	cgm	3	65	55	-		
Jersey ...	30.25	58	NE	4	bc	30.26	+ .01	56	55	- 1	NNE	2	cgm	0	67	53	-		
Hurst Castle ...	30.18	60	N	3	c	30.20	+ .02	52	49	+ 3	N	4	o	3	64	52	-		
Dungeness ...	30.23	59	NW	2	og	30.26	+ .03	56	54	- 2	Z	0	ogm	*	64	54	-		
London ...	30.27	56	N	1	o	30.29	+ .02	54	52	- 2	NE	1	o	*	60	53	-		
Oxford ...	30.25	58	N	1	o	30.27	+ .02	54	52	- 2	N	1	o	*	63	51	-		
Cambridge ...	30.17	57	NW	2	c	30.22	+ .05	57	56	- 1	N	3	cm	3	60	54	0.01		
Yarmouth ...	30.13	57	NW	1	m	30.24	+ .11	58	56	- 2	E	3	b	*	62	?	-		
Cuxhaven ...	30.10	64	E	3	bc	30.20	+ .10	53	50	- 3	E	3	b	*	68	50	-		
Berlin ...	*	*	*	*	*	30.11	- .02	60	59	+ 1	Z	0	*	*	68	?	0.59		
Wiesbaden ...	30.15	59	W	2	o	30.11	- .04	56	56	- 0	W	2	*	*	70	54	1.02		
Munich ...	30.15	59	W	2	o	30.11	- .04	56	56	- 0	W	2	*	*	70	54	1.02		
FRANCE & NETHERLANDS.																			
The Helder ...	30.15	59	N	1	o	30.19	+ .04	59	57	- 2	NE	1	o	1	59	57	0.24		
Brussels ...	*	*	*	*	*	30.17	+ .02	58	57	- 1	NNE	1	o	*	66	57	0.26		
Cape Gris Nez...	30.18	59	N	4	c	30.18	+ .06	59	57	- 2	ESE	5	o	4	64	57	-		
Paris ...	30.15	67	NNE	3	o	30.15	- .04	56	55	- 1	NNE	3	o	*	77	51	-		
Brest ...	30.20	59	NNE	4	o	30.30	+ .10	52	?	- 6	ESE	3	b	2	78	?	-		
Lorient ...	30.19	66	NE	4	b	30.21	+ .02	54	53	- 1	ESE	4	b	2	79	54	-		
Rochefort ...	30.14	71	NNE	4	b	30.15	- .01	60	60	- 0	NNE	4	m	2	90	55	-		
Belfort ...	30.09	72	W	1	o	30.08	- .01	62	59	+ 3	NE	1	o	*	76	53	-		
Lyons ...	30.06	69	NW	1	bc	30.04	- .02	61	56	+ 5	NNE	1	bc	*	80	54	-		
Nice ...	30.04	69	E	1	c	29.98	- .06	72	64	+ 8	W	3	b	*	81	?	-		
Perpignan ...	30.10	65	NW	3	f	30.08	- .02	64	61	+ 3	NW	4	bf	2	79	63	-		
Biarritz ...	*	*	*	*	*	30.10	- .00	64	63	- 1	NW	1	f	4	80	60	-		
Corunna ...	30.03	71	NW	5	b	30.00	- .03	69	66	+ 3	N	5	bc	2	81	56	-		
Lisbon ...	30.03	71	NW	5	b	30.00	- .03	69	66	+ 3	N	5	bc	2	81	56	-		

WEATHER CHARTS

for 8 a.m. on Monday, 17th September, 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4;
○ = dead calm.

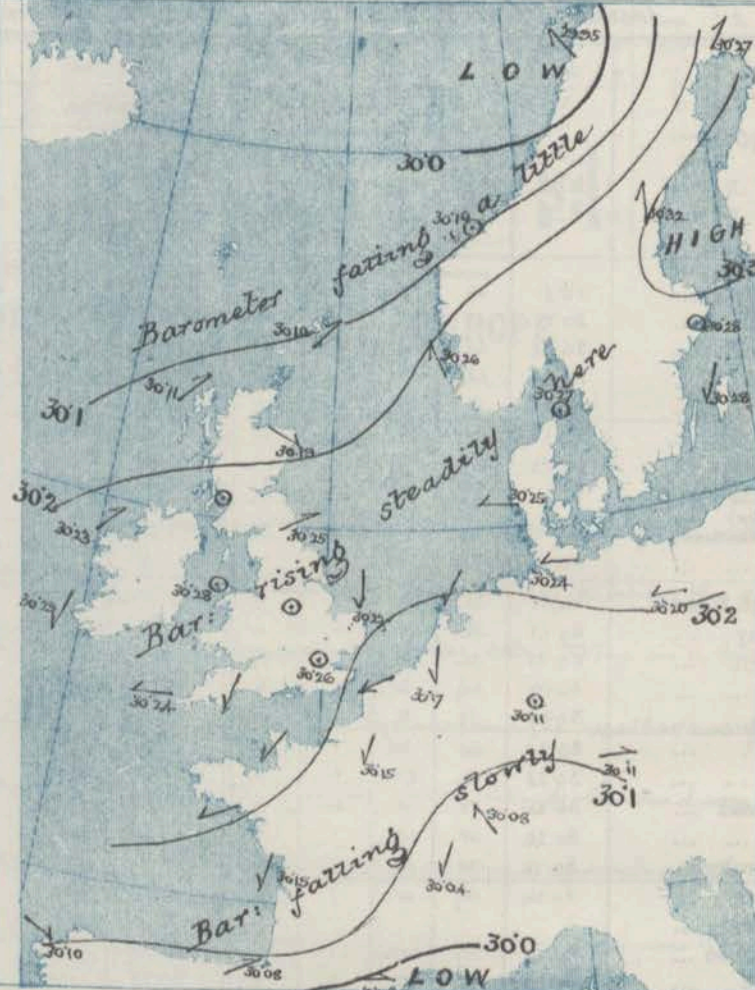
Sea Disturbance — where considerable is shown thus.

— Rough — High.

MEAN HEIGHT of the BAROMETER

at 6 a.m. for the month of September.
During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.766
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.850
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Scilly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather is shown by Letters of the Beaufort Scale.

Rainfall A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of September.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet.	
Sumburgh Head	55.2	46.3	50.9	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.6	51.3	3.87
Donaghadee	59.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.8	47.5	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point.	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	53.1	56.2	53.8	3.80
Scilly	61.8	54.6	58.4	56.2	3.69
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	66.3	49.4	55.9	53.6	2.59
Oxford	63.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

NOTE — The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 30 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.32 in. at Helsingør; 30.2 in. and upwards in a long and broad band extending southwards from the Baltic and Gulf of Bothnia across the North Sea and England to the southwest of our Islands; lowest, 30.0 in. and less, over the northwest of Norway, and also over the southern parts of France and Spain. Gradients slight. Barometer falling in the north of Scandinavia, the extreme west and north of our Islands, and the south of France, but rising elsewhere.

TEMPERATURE

Highest, 72° at Lerpapun, 69° at Liden, 64° at Skien, 62° at Belfast and Lyons, and 60° at Nierbuden and Rochefort. Lowest, 43° at York and Lancaster, 44° at Skarsvold, 47° at Loughborough, 48° at Stockholm and 49° at Helsingør.

WIND

Light SW^{ly} in the extreme north and northwest of our Islands, S^{ly} or SE^{ly} in the north of Scandinavia. Light or moderate from between N. and E. over the south of our Islands, as well as in France, Germany, and the Netherlands. Variable over the more central parts of the United Kingdom.

WEATHER

Fair generally, but dull in the west of Ireland and the north of Scandinavia, with rain at Helsingør. Heavy rain fell in Germany yesterday, and smaller amounts over the Netherlands, but elsewhere the weather was dry.

SEA

Moderate at Christiansund, Norway, and Cape Gris Nez, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is at present no sign of any important change in the weather.

FORECASTS

for the 24 hours ending at NOON on 18th SEPT^r 1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SW ^{ly} winds, light to fresh; fair to cloudy and some rain.
1	SCOTLAND EAST	SW ^{ly} winds, light; fair generally.
2	ENGLAND N.E.	
3	ENGLAND EAST	Variable or NE ^{ly} airs; fair generally, cold and foggy at night.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Variable breezes, finally SW ^{ly} ; fair generally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as No. 5.
9	IRELAND NORTH	SW ^{ly} winds, light or moderate; fair in east, dull and some rain in west.
10	IRELAND SOUTH	
WARNINGS		NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Son.		Bar.	Dry.	Wet.	Wind.	Wes.	Son.
Skudesnaes ...	30.15	58	54	SE 4	0	4	Holyhead ...	30.30	57	51	N 3	6	2
Sumburgh Head ...							Valencia ...						
Stornoway ...	30.10	60	55	SW 4	0	4	Scilly ...						
Aberdeen ...							Jersey ...	30.25	65	61	NW 2	6	2
Shields ...							Dungeness ...	30.16	64	56	N 3	0	2
Ardrossan ...							London ...						
Malin Head ...	30.24	59	54	W 3	60	3	Yarmouth ...						
Mullaghmore ...							Rocheport ...	30.16	68	72	ESE 3	6	2
Belmullet ...	30.28	59	53	WSW 2	6	*							

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

The reports for yesterday morning showed that there were two irregularly formed areas of high pressure - one lying from north to south over the Gulf of Bothnia, the Baltic, central and southeastern Europe, the other over the western parts of the British Islands, the Bay of Biscay, western France and the Iberian Peninsula. In both of these readings varied from 30.1 ins. to 30.3 ins. and the two systems were united by a col which lay over western Germany and the east of France. The low pressure systems also were very peculiar; a large one lay over central Russia, another (shallow one) off the west of Norway, while secondary 'hollows' covered the North Sea, the Mediterranean and Gulf of Genoa. The winds were consequently very variable, but, as a rule light; the weather showery on the southern shores of the North Sea, fair on the whole elsewhere. Temperature ranged from 70° and more over the Mediterranean to 40° and less, over northern Russia, but was locally rather high over the Netherlands. The highest individual values were 79° at Sfax (Tunis), 77° at Ladghairi, 76° at Brindisi, 75° at Oporto, 74° at Bilbao, 73° at Livourne, Palermo and Langunnaire, and 72° at Nice; the lowest were 38° at Uleaborg, 37° at Archangel, 36° at Hangö, Moscow, 34° at Hernösand, 32° at Kaparanda, and 31° at Marmel.

Later in the day the high pressure area in the west continued to spread eastwards, and fine weather prevailed over the British Islands generally, followed by a cold night.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 9TH TO THE 15TH SEPTEMBER 1888

The weather experienced during this week was fair as a whole - sometimes rather showery, at others very fine and bright; the rainfall over England was trifling, but of bright sunshine the percentage has been large for the time of year.

At the commencement of the week, an elongated high-pressure area lay over the northern parts of the United Kingdom and the southern half of Scandinavia, while a low pressure area was found over the Mediterranean, and a shallow secondary system over the Straits of Dover. NE. winds prevailed over England with low temperature and showers in the east and south, but in Scotland and Ireland the weather was fine and dry. The high pressure band then moved southward to France, shallow depressions appeared over the North Sea while W. breezes became prevalent over the British Islands, accompanied by light showers in Scotland, but fine mild weather elsewhere. The anticyclonic system then grew larger, and moving slowly to the north-eastward caused the fine weather to spread to all districts. The night temperatures were low, especially at the inland stations, and the air at such times was foggy and damp, but the day were warm, maxima of 68° to 74° being recorded in many parts of Great Britain during the latter half of the week, and still higher values over France. Towards the end of the week, however, the high pressure area moved away to the eastwards, and as a 'V' shaped disturbance advanced eastwards from the Atlantic, showers fell temporarily, in most districts and lightning was seen in places.

EXPLANATION OF 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 (heavy); 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Tuesday, 18th September 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.				
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.		
SCANDINAVIA.																			
Haparanda ..	30.08	46	SW	4	b	29.94	- .33	50	50	+ 6	WSW	2	0	*	50	30	0.04		
Hernösand ...	30.17	51	S	2	o	30.09	- .23	49	49	0	Z	0	0	*	53	46	-		
Stockholm ...	30.22	49	Z	0	b	30.13	- .15	50	49	+ 2	Z	0	0	*	59	39	-		
Wisby ...	30.28	45	N	2	b	30.22	- .06	54	52	+ 3	SW	2	0	*	55	41	-		
Bodö ...	29.85	51	WSW	6	r	29.93	- .02	46	44	- 7	WSW	6	0	3	54	45	0.75		
Christiansund...	30.05	54	WSW	6	r	30.16	+ .06	51	49	- 2	WSW	6	0	4	57	50	0.08		
Skudesnaes ...	30.26	56	S	4	o	30.26	+ .00	55	54	- 2	NW	2	0	3	57	55	-		
Christiania Fjord (Færd)	30.20	57	SW	4	o	30.14	- .13	50	50	- 2	W	2	f	1	59	48	-		
Skagen (The Seaw)	30.25	51	W	1	b	30.21	- .06	55	52	0	W	4	0	4	64	50	-		
Fanø ...	30.29	52	ESE	3	b	30.30	+ .05	51	51	- 2	ESE	1	f	*	63	45	-		
BRITISH ISLANDS.																			
Sumburgh Head	30.11	52	W	3	o	30.24	+ .14	51	51	- 1	Z	0	bc	1	58	44	0.06		
Stornoway ..	30.16	54	SW	3	r	30.24	+ .13	51	51	- 4	Z	0	0	2	57	46	0.05		
Wick ...	30.20	56	W	1	o	30.25	+ .14	54	52	- 2	Z	0	0	0	60	52	0.05		
Nairn ...	30.19	57	WSW	2	o	30.26	+ .11	53	55	- 2	Z	0	p	0	65	48	-		
Aberdeen...	30.20	54	NNE	2	b	30.30	+ .11	56	53	+ 5	W	1	cm	1	63	46	-		
Leith ...	30.23	56	W	1	b	30.30	+ .07	51	49	- 1	Z	0	bm	*	65	46	-		
Shields ...	30.23	57	SE	1	m	30.29	+ .04	49	47	+ 3	WSW	2	m	2	63	43	-		
Spurn Head ...	30.28	55	ESE	1	b	30.32	+ .04	53	52	+ 1	Z	0	cm	2	60	50	-		
York ...	30.26	60	S	1	b	30.33	+ .04	45	45	+ 2	WNW	1	b	*	69	41	-		
Loughborough	30.26	61	WSW	1	b	30.34	+ .04	47	47	0	Z	0	f	*	72	44	-		
GERMANY.																			
Ardrossan ...	30.27	57	WNW	2	bc	30.30	+ .06	55	52	+ 4	ESE	2	cm	1	60	47	-		
Malin Head ...	30.25	57	WSW	1	o	30.29	+ .06	55	54	+ 2	S	3	o	2	70	50	-		
Mullaghmore ...	30.27	58	SSW	1	o	30.32	+ .06	56	54	+ 2	SSW	1	cm	2	60	53	-		
Belmullet ...	30.28	58	SW	1	o	30.32	+ .09	56	55	0	SW	1	0	*	59	55	0.04		
Donaghadee ...	30.29	58	SE	1	bc	30.31	+ .07	50	50	- 3	W	2	m	0	61	50	-		
FRANCE & NETHERLANDS.																			
Barrow-in-Furness	30.25	57	NW	3	b	30.30	+ .03	49	48	- 2	E	1	f	*	60	48	-		
Liverpool (Bidston)	30.28	58	WNW	1	b	30.33	+ .04	53	52	- 1	WSW	1	e	1	60	50	-		
Holyhead ...	30.29	58	Z	0	b	30.32	+ .04	56	55	0	Z	0	bc	0	63	48	-		
Parsonstown ...	30.29	60	NW	1	bc	30.34	+ .03	50	48	+ 7	Z	0	0	*	64	37	-		
Valencia ...	30.30	56	WNW	2	bc	30.31	+ .02	54	52	0	Z	0	bm	1	60	44	-		
NETHERLANDS.																			
Roche's Point...	30.25	58	SW	1	b	30.26	+ .01	54	52	+ 4	WNW	1	m	3	61	48	-		
Pembroke ...	30.28	56	N	1	b	30.29	+ .01	56	53	+ 5	ESE	2	bm	0	61	51	-		
Seilly ...	30.25	59	ESE	1	o	30.24	+ .00	56	55	- 1	ESE	2	cm	3	64	52	-		
Prawle Point ...	30.26	55	ESE	2	o	30.26	- .01	57	55	+ 2	NE	2	og	1	64	50	-		
Jersey ...	30.22	60	NE	4	o	30.24	+ .01	60	58	+ 1	ESE	4	bm	3	63	56	-		
FRANCE.																			
Hurst Castle ...	30.25	62	NNE	2	bc	30.28	+ .02	56	55	0	NE	2	cm	3	66	53	-		
Dungeness ...	30.20	59	NE	4	o	30.24	+ .04	56	55	+ 4	NNE	2	m	1	62	48	-		
London ...	30.26	59	NE	2	og	30.29	+ .03	56	54	0	E	1	bc	*	63	53	-		
Oxford ...	30.29	57	E	2	o	30.32	+ .03	51	51	- 3	NNE	2	cm	*	64	46	-		
Cambridge ...	30.26	56	Z	0	b	30.29	+ .02	54	53	0	N	1	o	*	63	49	-		
GERMANY.																			
Yarmouth ...	30.25	57	NNE	3	bc	30.29	+ .07	58	57	+ 1	NE	3	bc	3	59	55	-		
Cuxhaven ...	30.26	55	E	3	b	30.33	+ .09	54	54	- 2	ESE	3	b	*	61	53	-		
Berlin ...	30.23	56	ESE	*	b	30.29	+ .09	51	47	- 2	E	1	b	*	63	46	-		
Wiesbaden ...	*	*	*	*	*	30.17	+ .06	54	52	- 6	Z	0	b	*	70	50	-		
Munich ...	30.10	57	Z	0	o	30.15	+ .04	54	52	- 2	NE	4	b	*	64	50	-		
FRANCE & NETHERLANDS.																			
The Helder ...	30.21	60	ESE	3	b	30.26	+ .07	58	57	- 1	NE	3	bc	2	63	58	-		
Brussels ...	*	*	*	*	*	30.24	+ .07	54	54	- 4	NNE	1	c	*	65	64	-		
Cape Gris Nez...	30.19	59	NE	5	o	30.22	+ .04	58	57	- 1	NNE	5	o	2	63	57	-		
Paris ...	30.14	62	N	4	bc	30.19	+ .04	59	57	+ 3	NNE	4	c	*	?	?	-		
Brest ...	30.25	60	ESE	4	b	30.23	- .07	56	54	+ 4	ESE	5	o	2	75	?	-		
Lorient ...	30.17	62	NE	5	b	30.19	- .02	57	55	+ 3	ESE	5	bc	2	68	52	-		
Roche fort ...	30.13	65	NE	5	b	30.13	- .02	59	58	- 1	ESE	7	m	2	75	54	-		
Belfort ...	30.07	64	SE	1	o	30.08	00	58	56	- 4	E	1	o	*	68	49	-		
Lyons ...	30.00	64	WNW	3	b	30.02	- .02	57	55	- 4	WNW	3	o	*	72	57	-		
Nice ...	29.89	62	E	4	c	29.90	- .01	61	54	- 5	NE	1	c	1	75	57	0.28		
PERIN- SULA.																			
Perpignan ...	29.97	77	NW	3	b	29.97	- .01	68	61	- 4	NW	3	b	*	85	61	-		
Biarritz ...	30.09	68	WNW	3	f	30.05	- .03	62	60	- 2	NE	4	bc	2	73		-		
FRANCE & NETHERLANDS.																			
Corunna ...	*	*	*	*	*														
Lisbon ...	29.97	65	NW	4	bc	29.94	- .06	66	63	- 3	W	3	bc	2	77	64	-		

WEATHER CHARTS

for 8 a.m. on *Tuesday, 18th September, 1888.*

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus —

→ = forces above 10; →→ = forces 8 to 10;
→→ = forces 5 to 7; → = forces 1 to 4;
○ = dead calm.

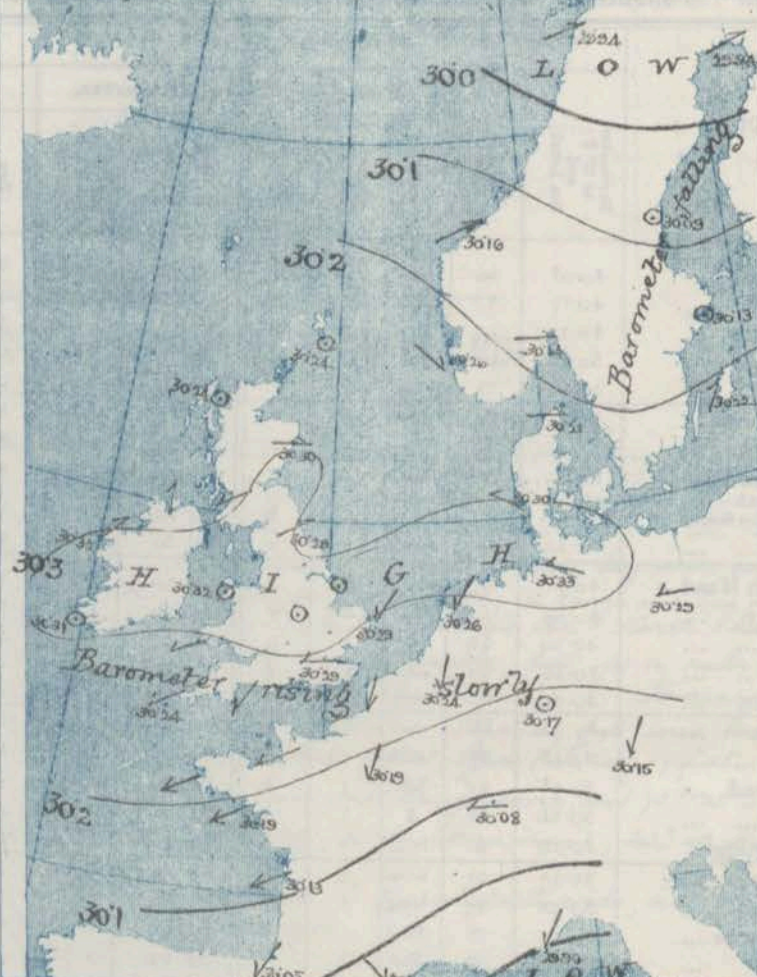
Sea Disturbance — where considerable, is shown thus.

— Rough — High.

MEAN HEIGHT of the BAROMETER

at 6 a.m. for the month of September.
During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.766
Stornoway	29.780
Wick	29.798
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.850
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Scilly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.946
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather is shown by Letters of the Beaufort Scale.

Rainfall A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min.	at 3 a.m.		
			Dry	Wet	
Sumburgh Head	55.2	46.3	50.9	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.5	51.3	3.87
Donaghadee	59.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.5	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	53.1	56.2	53.8	3.89
Scilly	61.8	54.8	58.4	56.2	3.69
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	66.3	49.4	55.9	53.6	2.59
Oxford	63.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

NOTE — The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 30 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.3 in: and upwards in an anticyclonic band extending from the west of Ireland to the south of Denmark. Lowest, 29.9 in: and less, over the Gulf of Genoa, 30.0 in: and less, over the north of Scandinavia. Gradients slight. Barometer rising at all but the Swedish stations.
TEMPERATURE	Highest, 68° at Perpignan, 66° at Lisbon, 62° at Biarritz, 61° at Nice, 60° at Jersey, and 58° at Paris. Lowest, 45° at York, 46° at Rode, 47° at Loughborough, and 48° at Helsingfors, Shields, and Harrow in Furness.
WIND	NE ^{ly} over France, Germany, the Netherlands, and the south of our islands; light in force generally, but fresh over the Bay of Biscay. Light and variable over the more northern parts of our islands. W ^{ly} or SW ^{ly} in Scandinavia; strong at Rode and Christiansund.
WEATHER	Fair generally, but misty or foggy in many places, and showery at Skirm. Slight rain fell yesterday in the extreme north of Scotland and west of Ireland.
SEA	Moderate at Helsingfors and Skagen, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is at present no sign of any important change in the weather.

FORECASTS

for the 24 hours ending at NOON on 19th SEPT^r 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	Variable or W ^{ly} airs; fair generally, but slight rain locally.	6 { SCOTLAND WEST	Same as N ^{os} 1 and 2
1 { SCOTLAND EAST	Light variable airs; fair generally, but some mist or fog.	7 { ENGLAND N. W.	
2 { ENGLAND N. E.		8 { ENGLAND S. W.	E ^{ly} and NE ^{ly} winds, light or moderate, fair generally.
3 { ENGLAND EAST	NE ^{ly} winds, light; fair generally, but local fogs at night.	9 { IRELAND NORTH	SW ^{ly} winds, light; cloudy, slight rain locally.
4 { MIDLAND COUNTIES		10 { IRELAND SOUTH	Same as N ^o 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.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	30.28	57	54	S 2	0 m	3	Holyhead ...	30.29	63	58	WSW 1	bc	1
Sumburgh Head ...	30.09	57	52	SW 2	b	2	Valencia ...	30.30	59	55	NE 1	c	1
Stornoway ...	30.12	56	54	SW 4	o	1	Scilly ...	30.25	63	57	SE 3	cm	3
Aberdeen ...	30.15	63	57	NE 1	b	1	Jersey ...	30.22	63	58	NE 3	o	3
Shields ...	30.23	61	55	E 1	m	2	Dungeness ...	30.21	61	58	NE 4	o	2
Ardrossan ...	30.26	58	57	SW 2	o	2	London ...	30.25	62	58	NE 1	o	2
Malin Head ...	30.24	58	54	SW 2	o	2	Yarmouth ...	30.25	59	58	N 3	cdm	3
Mullaghmore ...	30.27	58	53	WSW 3	c	2	Rochefort ...	30.15	72	66	NNE 4	bc	2
Belmullet ...	30.27	59	56	WSW 2	o	*							

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

The reports for yesterday morning showed that a broad band of high pressure, in which readings varied from between 30.1 ins. and 30.3 ins. extended from the Atlantic across the British Isles, North Sea, Baltic, and Finland to Eastern Lapland, the Kolabinskia and the adjacent parts of the Arctic Sea. There was still lying over central Russia a depression in which readings were below 29.7 ins.; over the Gulf of Genoa there was a shallow disturbance with readings slightly below 29.9 ins.; while a third disturbance was approaching the northwest of Norway from the Wnd. Over the whole of Western and Central Europe the gradients were slight. The winds reported were consequently N^{ly} to E^{ly} over Germany, England, France and Spain, N^{ly} to NW^{ly} over Hungary, but in the north of our Islands and in Norway they were SW^{ly} to SE^{ly}. In force they were light, and while fine weather prevailed over the greater part of our Islands the sky was cloudy at many of the German stations, in which region a good deal of rain had fallen during the night. Temperature was falling over many parts of our northern and northwestern parts of Europe, and ranged from 70° and more over the Mediterranean to rather below the freezing point over Finland and on the shores of the White Sea. The highest of the morning readings were 76° at Malta, 75° at Tiskra (Algeria) and Cagliari, 74° at Brindisi, 72° at Perpignan, Livorno, Bilbao and Perpignan, and 71° at Naples and Leghorn; the lowest were 30° at Archangel, 31° at Uleaborg, 36° at Kuopio and Helsinki, 38° at Kiev, 43° at York and Peterborough, 44° at Haparanda and 48° at Stockholm.

Later in the day there was little change of importance.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Wednesday 19th SEPT 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

6 A.M. TO DAY.																		PAST 24 HOURS.		
STATIONS.	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 2.)	SHADE TEMP.					
			Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.	Amount of Rainfall.			
SCANDINAVIA.	Haparanda ...	30.03	42	2	0	bc	30.08	+ .14	11	11.0	—	9	2	0	c	*	54	41	—	
	Hernösand ...	30.25	45	2	0	b	30.34	+ .25	15	11.5	—	4	2	0	c	*	59	43	—	
	Stockholm ...	30.20	53	NNH	2	b	30.33	+ .20	17	11.6	—	3	2	0	c	*	59	43	—	
	Wistby ...	30.22	54	W	4	b	30.31	+ .09	56	53	+	2	NNE	4	bc	*	59	43	—	
	Bodo ...	30.09	46	WSH	4	o	30.02	+ .09	45	44	+	2	WSH	8	o	5	7	41	0.24	
	Christiansund...	30.24	51	SH	3	c	30.28	+ .12	51	47	—	0	SH	3	b	5	55	48	—	
	Skudesnaes ...	30.32	52	2	0	c	30.39	+ .13	54	52	—	1	2	0	c	3	57	52	—	
	Christiania Fjord (Fjord)	30.21	48	2	0	b	30.33	+ .19	56	54	+	6	2	0	o	1	61	7	—	
	Skagen (The Scaw)	30.24	53	NW	1	b	30.32	+ .11	56	53	+	1	SE	1	o	1	59	52	—	
	Fanø ...	30.23	51	W	1	b	30.31	+ .07	56	54	+	5	NW	1	c	*	59	48	—	
BRITISH ISLANDS.	Samburgh Head	30.27	52	2	0	o	30.32	+ .08	51	51	—	0	2	0	o	0	57	48	0.02	
	Stornoway ...	30.25	55	SW	2	o	30.29	+ .05	54	53	+	3	SW	2	o	2	60	43	—	
	Wick ...	30.27	54	SE	1	o	30.37	+ .12	58	57	+	4	2	0	b	0	58	47	0.01	
	Nairn ...	30.28	57	2	0	c	30.31	+ .05	52	49	—	3	2	0	b	1	65	46	—	
	Aberdeen...	30.31	56	S	2	c	30.38	+ .08	49	48	—	7	5	1	b	1	62	42	—	
	Leith ...	30.29	54	2	0	b	30.24	+ .04	48	48	—	3	2	0	f	*	66	39	—	
	Shields ...	30.31	55	NE	1	b	30.35	+ .06	47	47	—	2	SW	1	f	2	59	45	—	
	Spurn Head ...	30.33	54	ENE	1	c	30.36	+ .04	57	53	+	4	E	2	c	2	57	52	—	
	York ...	30.32	54	SSE	1	o	30.29	+ .06	52	52	+	7	ESE	1	m	*	63	44	—	
	Loughborough	30.31	57	2	0	c	30.36	+ .02	54	53	+	7	ENE	1	o	*	63	47	—	
GERMANY.	Ardrossan ...	30.31	57	NNW	1	b	30.33	+ .03	51	51	—	4	NE	2	b	1	60	46	—	
	Malin Head ...	30.31	57	NNW	1	om	30.29	— .00	55	54	—	0	SE	2	b	1	61	38	—	
	Mullaghmore ...	30.31	55	E	1	o	30.29	— .03	54	51	—	2	ENE	1	b	3	61	49	—	
	Belmullet ...	30.30	56	ENE	1	b	30.27	— .05	53	51	—	3	SW	1	b	*	59	49	0.05	
	Donaghadee ...	30.33	57	SE	1	b	30.33	— .01	53	53	+	3	SE	1	f	0	61	50	—	
	Barrow-in-Furness	30.29	57	NW	2	b	30.24	+ .04	52	51	+	3	SE	3	o	*	59	48	—	
	Liverpool (Bidston)	30.31	56	NW	1	b	30.35	+ .02	53	51	—	0	E	1	om	2	60	50	—	
	Holyhead ...	30.31	56	NNE	3	b	30.31	— .01	56	55	—	0	2	0	b	0	60	49	0.01	
	Parsonstown ...	30.29	62	2	0	b	30.30	— .04	44	42	—	6	2	0	b	*	67	40	—	
	Valencia ...	30.26	59	WSW	1	b	30.23	— .08	58	56	+	4	ENE	2	om	2	63	49	—	
FRANCE & NETHERLANDS.	Roche's Point...	30.27	56	SE	3	b	30.25	— .04	57	56	+	3	E	3	m	3	60	50	—	
	Pembroke ...	30.26	57	NE	3	m	30.28	— .01	55	53	—	1	ENE	3	com	1	63	52	—	
	Scilly ...	30.21	57	E	4	om	30.19	— .05	58	56	—	0	E	5	om	4	64	54	—	
	Prawle Point ...	30.24	56	ENE	3	b	30.24	— .02	55	54	—	2	NE	4	ag	3	61	53	—	
	Jersey ...	30.20	61	NE	4	b	30.18	— .06	60	58	—	0	NE	5	b	4	63	57	—	
	Hurst Castle ...	30.25	62	ENE	3	b	30.26	— .02	58	57	+	2	NE	4	b	1	67	52	—	
	Dungeness ...	30.23	62	NE	4	c	30.22	— .02	60	58	+	4	ENE	6	b	4	64	54	—	
	London ...	30.28	61	NE	2	og	30.30	+ .01	59	55	+	3	NE	2	c	*	62	56	—	
	Oxford ...	30.30	58	NE	1	o	30.32	— .00	55	53	+	4	NE	2	o	*	63	51	—	
	Cambridge ...	30.30	56	2	0	o	30.34	+ .05	57	56	+	3	NE	1	o	*	62	52	—	
GERMANY.	Yarmouth ...	30.30	58	NE	3	b	30.32	+ .03	58	57	—	0	NE	3	b	3	61	55	—	
	Cuxhaven ...	30.35	54	N	2	b	30.44	+ .08	56	54	—	0	E	2	b	*	59	53	—	
	Berlin ...	30.30	56	ENE	1	b	30.39	+ .10	52	48	+	1	E	1	b	*	61	46	—	
	Wiesbaden ...	*	*	*	*	*	30.26	+ .09	55	50	+	1	NE	1	b	*	68	48	—	
	Munich ...	30.24	52	E	2	b	30.24	+ .09	45	43	—	9	NE	5	b	*	63	39	—	
	The Helder ...	30.30	60	ENE	3	b	30.24	+ .08	56	52	—	2	ENE	1	b	2	64	55	—	
	Brussels ...	*	*	*	*	*	30.28	+ .04	48	47	—	6	ENE	1	b	*	67	45	—	
	Cape Gris Nez...	30.24	59	NE	5	c	30.22	— .00	54	53	—	4	ENE	5	b	3	66	50	—	
	Paris ...	30.15	57	NNE	3	b	30.18	— .01	52	50	—	7	NE	4	b	*	72	47	—	
	Brest ...	30.23	60	NE	5	o	30.17	— .06	55	54	—	1	E	4	b	3	70	47	—	
FRANCE & NETHERLANDS.	Lorient ...	30.14	62	ENE	5	b	30.10	— .09	57	55	—	0	ENE	5	b	2	64	53	—	
	Rocheport ...	30.09	69	ENE	5	c	30.05	— .08	58	46	—	1	ENE	5	b	2	87	54	—	
	Belfort ...	30.08	62	E	1	b	30.11	+ .06	53	52	—	5	E	3	b	*	68	46	—	
	Lyons ...	30.02	63	NW	3	b	30.09	+ .07	55	54	—	2	NNW	3	m	*	68	53	—	
	Nice ...	29.95	66	SW	3	c	29.99	+ .09	66	55	+	5	NE	3	b	1	75	61	—	
	Perpignan ...	29.95	67	2	0	b	30.01	+ .04	59	56	—	9	2	0	o	*	82	52	—	
	Biarritz ...	29.98	68	NNE	4	b	29.92	— .13	58	55	—	4	ESE	4	b	1	70	54	—	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	29.93	68	WSW	4	b	29.95	+ .01	65	64	—	1	E	3	o	2	73	64	—	

† Explanation of Columns, see p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER

CHARTS

for 8 a.m. on

WEDNESDAY, 19th SEPTEMBER,

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus—

— = forces above 10; — = forces 8 to 10;
— = forces 5 to 7; — = forces 1 to 4.

○ = dead calm.

Sea Disturbance—where considerable is shewn thus.

— = Rough — = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September
During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.766
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.921
Ardrossan	29.850
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Silly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature—Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather—is shown by Letters of the Beaufort Scale.

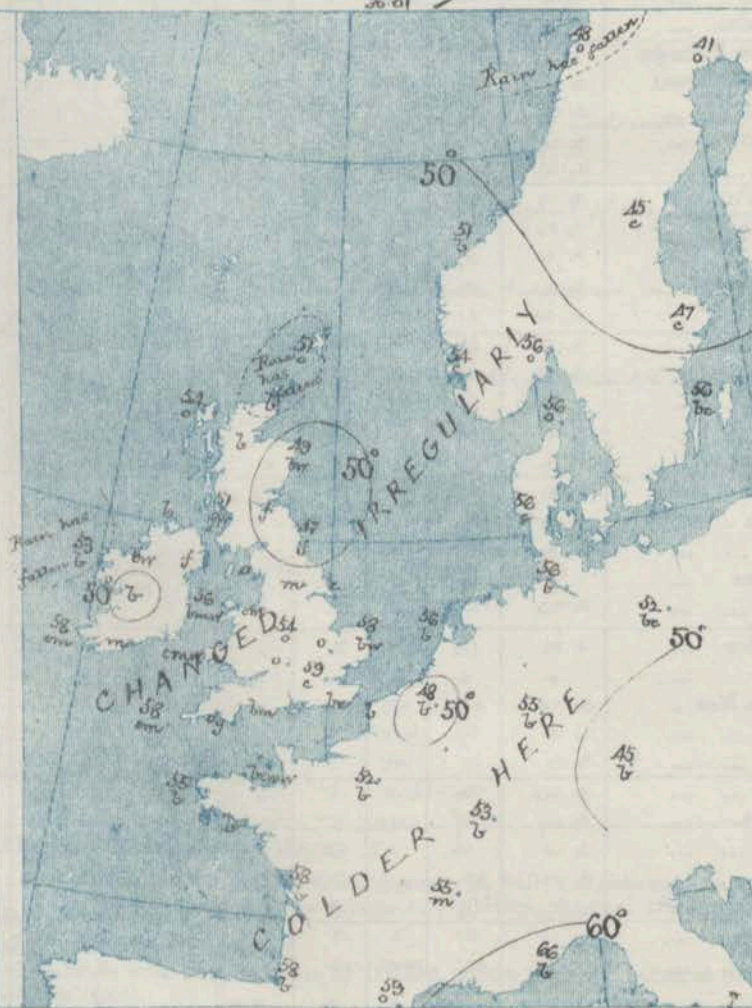
Rainfall—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of September.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	55.2	46.3	50.9	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.8	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.99
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.0	53.5	51.3	3.67
Donaghadee	59.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.5	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	53.1	56.2	53.8	3.89
Silly	61.8	54.8	58.4	56.2	3.69
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	66.3	49.4	55.9	53.6	2.59
Oxford	63.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

Note—The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 20 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.41 ins. at Buchhaven; 30.3 ins. and upwards, in a large anticyclone lying over the North Sea, Denmark, the south of Scandinavia, North Germany and the greater part of our Islands. Lowest 30.0 ins. and less, over Spain and the extreme south of France; 30.1 ins. and less, over the north of Scandinavia. Gradients slight generally. Barometer falling a little on our southern and the French coast, but rising elsewhere.
TEMPERATURE	Highest 66° at Nice, 65° at Lisbon, 60° at Jersey and Langones, and 59° in London and at Perpignan. Lowest 41° at Haparanda, 44° at Parsonstown, 45° at Hernösand and Munich, and 47° at Stockholm and Shields.
WIND	Light to fresh from the NE nd over France, Germany, the Netherlands and the south of our Islands SW ^{ly} in the west of Norway, with a gale at Bodø Light and variable or calm in the regions covered by the large anticyclone.
WEATHER	Fair generally, but foggy over the more central parts of our Islands, and misty in many other localities. Slight rain fell yesterday on our extreme north and north-west coasts.
SEA	Rather rough off the west of Norway and moderate at some of the channel stations, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The changes in pressure are at present too slight to lead to any material alteration in the weather.

FORECASTS

for the 24 hours ending at NOON on 20th September 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	Calms and light variable breezes; fair generally, but some mist or fog.	6 { SCOTLAND WEST	Same as N° 2.
1 { SCOTLAND EAST		7 { ENGLAND N. W.	
2 { ENGLAND N. E.	Light breezes chiefly E ^{ly} ; fair generally	8 { ENGLAND S. W.	Same as N° 5.
3 { ENGLAND EAST	Same as N° 5.	9 { IRELAND NORTH	Same as N° 2.
4 { MIDLAND COUNTIES	NE ^{ly} winds, light; fair generally.	10 { IRELAND SOUTH	Same as N° 4.
5 { ENGLAND SOUTH	NE ^{ly} winds, moderate or fresh; fair generally	WARNINGS	
		NONE ISSUED.	

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.29	58	55	WNW 2	c	3	Holyhead ...	30.32	58	55	NNE 3	b	1
Sumburgh Head ...	30.27	54	51	NSW 1	c	1	Valencia ...	30.28	62	57	ESE 2	ben	2
Stornoway ...	30.26	60	54	SW 2	o	2	Scilly ...	30.23	63	56	E 4	o	3
Aberdeen ...	30.31	59	54	SE 2	c	1	Jersey ...	30.22	62	59	E 4	ogm	3
Shields ...	30.31	59	55	E 2	b	2	Dungeness ...	30.23	64	60	NE 3	c	2*
Ardrossan ...	30.32	59	56	WNW 1	b	1	London ...	30.24	60	58	NNE 1	og	
Malin Head ...	30.31	59	57	WNW 2	o	2	Yarmouth ...	30.24	61	59	NE 3	b	3
Mullaghmore ...	30.32	60	57	NW 2	c	2	Rochefort ...	30.11	77	67	ENE 5	c	2
Belmullet ...	30.33	57	56	NNW 2	od	*							

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

The Continental Information will appear in tomorrow's report.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; o. 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for *Thursday, 20th September 1888.*
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.			Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)		SHADE TEMP.		
			Dir.	Force (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)				Max.	Min.	Amount of Rainfall.
SCANDINAVIA.																			
Haparanda ..	30.04	48	W	2	bc		30.03	-.05	49	48	+ 8	W	2	0	*		55	34	
Hernösand ...	30.34	45	W	0	b		30.38	+.04	49	46	+ 4	W	2	0	*		64	39	
Stockholm ...	30.38	50	W	0	b		30.40	+.07	53	50	+ 6	W	2	0	*		63	43	
Wisby ...	30.37	49	NE	2	b		30.41	+.10	55	53	- 1	W	2	0	*		57	46	
Bodö ...	30.08	50	W	9	0		30.05	+.03	49	47	+ 1	W	8	7	5		50	43	0.12
Christiansund...	30.38	52	W	3	c		30.35	+.07	50	48	- 1	W	2	0	4		52	46	
Skudesnaes ...	30.41	52	W	2	bc		30.43	+.04	55	52	+ 1	W	0	0	2		64	52	
Christiania Fjord (Fjord)	30.36	57	SW	2	c		30.40	+.07	55	53	- 1	W	2	0	1		59	52	
Skagen (The Sea)	30.36	55	SW	1	b		30.41	+.09	55	52	- 1	W	1	0	1		64	50	
Fanö ...	30.41	50	W	1	b		30.45	+.08	53	52	- 3	W	1	0	*		63	50	
BRITISH ISLANDS.																			
Sumburgh Head	30.36	50	W	0	bc		30.31	-.01	50	49	- 1	W	1	0	1		57	46	
Stornoway ...	30.26	56	W	0	b		30.25	-.04	57	54	+ 3	W	4	0	4		61	49	
Wick ...	30.30	54	SE	1	b		30.28	-.09	52	52	- 6	W	0	0	0		63	49	
Nairn ...	30.28	54	W	0	b		30.29	-.02	45	42	- 7	W	0	0	1		65	38	
Aberdeen...	30.38	52	SE	2	0		30.38	-.00	52	49	+ 3	W	2	0	2		54	49	
Leith ...	30.33	52	E	1	b		30.36	+.02	52	51	+ 4	W	0	0	*		58	47	
Shields ...	30.37	53	SE	2	0		30.37	+.02	53	52	+ 6	W	2	0	2		54	46	
Spurn Head ...	30.34	56	E	3	b		30.34	-.02	57	56	0	W	3	0	2		58	53	
York ...	30.37	56	E	1	0		30.37	-.02	55	54	+ 3	W	2	0	*		58	51	
Loughborough	30.31	58	W	2	b		30.32	-.04	55	54	+ 1	W	2	0	*		67	50	
Ardrossan ...	30.29	58	E	1	bc		30.35	+.02	52	51	+ 1	W	2	0	1		61	48	
Malin Head ...							30.29	-.00	53	52	- 2	W	2	0	1		63	50	
Mullaghmore ...	30.24	53	W	0	b		30.29	-.00	53	52	- 1	W	1	0	2		65	49	
Belmullet ...	30.20	58	W	2	0		30.26	-.01	55	54	+ 2	W	1	0	*		65	52	
Donaghadee ...	30.30	56	SE	1	m		30.33	-.00	54	53	+ 1	W	2	0	0		60	53	
Barrow-in-Furness	30.33	55	W	2	b		30.32	-.02	52	50	0	W	3	0	*		61	51	
Liverpool (Bidston)	30.30	57	E	2	b		30.33	-.02	55	51	+ 2	W	1	0	3		63	50	
Holyhead ...	30.25	60	E	2	bc		30.28	-.03	55	52	- 1	W	1	0	1		62	48	
Parsonstown ...	30.25	60	SE	1	bc		30.29	-.01	41	40	- 3	W	0	0	*		64	38	
Valencia ...	30.21	60	SE	3	cm		30.23	-.00	55	54	- 3	W	0	0	0		62	46	
Roche's Point...	30.23	58	E	4	c		30.24	-.01	57	55	0	W	3	0	4		62	50	
Pembroke ...	30.23	57	E	2	m		30.23	-.05	52	50	- 3	W	3	0	1		61	50	
Scilly ...	30.14	59	W	6	b		30.14	-.05	58	55	0	W	5	0	3		62	55	
Prawle Point ...	30.18	58	E	5	b		30.18	-.06	54	53	- 1	W	5	0	4		62	51	
Jersey ...	30.11	61	E	5	b		30.12	-.06	60	57	0	W	4	0	3		66	57	
Hurst Castle ...	30.19	61	E	4	bc		30.21	-.05	56	55	- 2	W	5	0	1		66	51	
Dungeness ...	30.16	60	E	6	b		30.18	-.04	59	56	- 1	W	5	0	4		63	56	
London ...	30.25	58	E	3	b		30.25	-.05	56	54	- 3	W	2	0	*		65	50	
Oxford ...	30.28	54	E	3	b		30.28	-.04	54	52	- 1	W	2	0	*		67	49	
Cambridge ...	30.28	57	E	1	b		30.29	-.05	53	52	- 4	W	1	0	*		67	48	0.01
Yarmouth ...	30.30	58	E	4	b		30.29	-.03	58	56	0	W	4	0	4		60	55	
Cuxhaven ...	30.43	56	E	1	b		30.44	+.03	57	56	+ 1	W	2	0	*		61	54	
Berlin ...	30.37	58	E	1	bc		30.39	-.00	57	54	+ 5	W	2	0	*		64	?	
Wiesbaden ...	*	*	*	*	*		30.26	-.00	54	49	- 1	W	4	0	*		66	48	
Munich ...	30.24	40	E	3	b		30.23	-.01	43	42	- 2	W	4	0	*		59	37	
FRANCE & NETHERLANDS.																			
The Helder ...	30.31	59	E	4	bc		30.35	+.01	57	53	+ 1	W	3	0	3		63	55	
Brussels ...	*	*	*	*	*		30.25	-.03	48	47	0	W	4	0	*		66	44	
Cape Gris Nez...	30.16	59	E	5	b		30.19	-.03	48	48	- 6	W	4	0	2		63	48	
Paris ...	30.11	61	E	3	b		30.15	-.03	47	47	- 5	W	1	0	*		73	44	
Brest ...	30.10	64	E	4	b		30.11	-.06	55	52	0	W	5	0	2		75	43	
Lorient ...	30.03	67	E	5	b		30.04	-.06	57	54	0	W	5	0	2		73	55	
Rochefort ...	29.99	72	E	4	b		30.02	-.03	60	59	+ 2	W	4	0	2		86	55	
Belfort ...	29.92	59	E	1	b		30.15	+.01	53	49	0	W	3	0	*		64	42	
Lyon ...	30.03	65	E	1	b		30.10	+.01	53	52	- 2	W	3	0	*		72	52	
Nice ...	30.02	67	W	3	b		30.05	+.06	64	56	- 2	W	1	0	0		78	57	
Perpignan ...	29.97	67	SE	1	b		30.02	+.01	63	62	+ 4	W	0	0	*		78	57	
Biarritz ...	29.91	68	E	3	0		29.97	+.05	64	62	+ 6	W	4	0	2		81	"	0.20
PORTUGAL.																			
Corunna ...	*	*	*	*	*														
Lisbon ...	29.96	67	W	4	b		30.01	+.06	68	62	- 2	W	3	0	2		72	63	0.08

WEATHER CHARTS

for 8 a.m. on

Thursday, 20th September,

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10; →→ = forces 8 to 10;
→→ = forces 5 to 7; → = forces 1 to 4;
○ = dead calm.

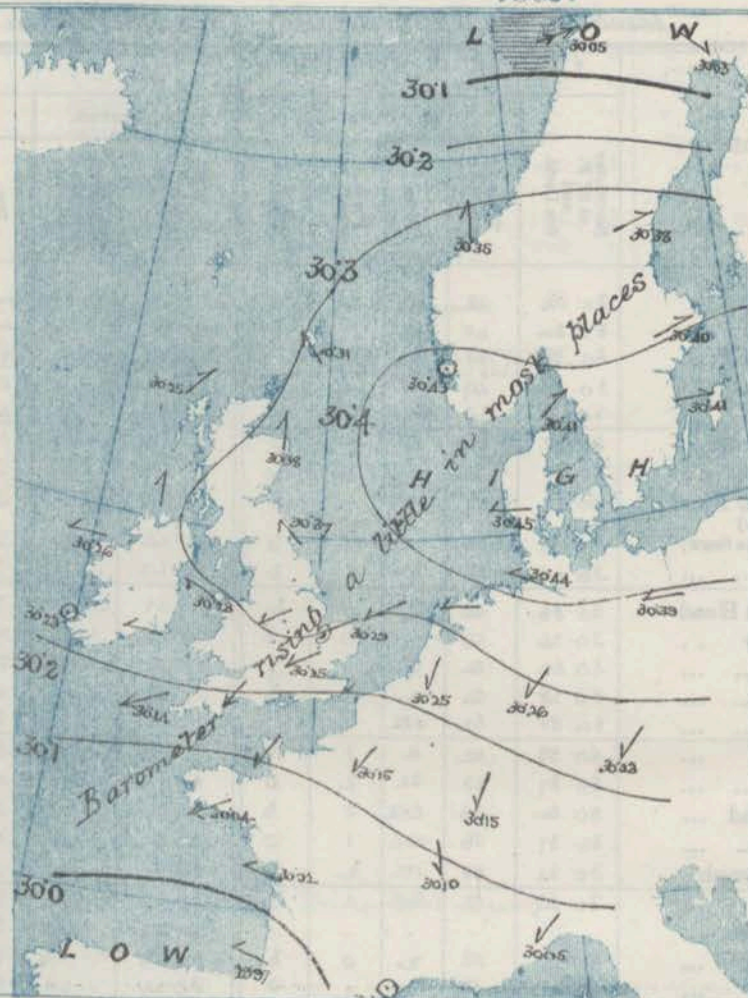
Sea Disturbance — where considerable is shown thus.

■ = Rough; ■ = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September.
During the 15 Years 1871—1885.

STATIONS	MEAN READINGS.
Sumburgh Head	29.766
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.850
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Scilly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

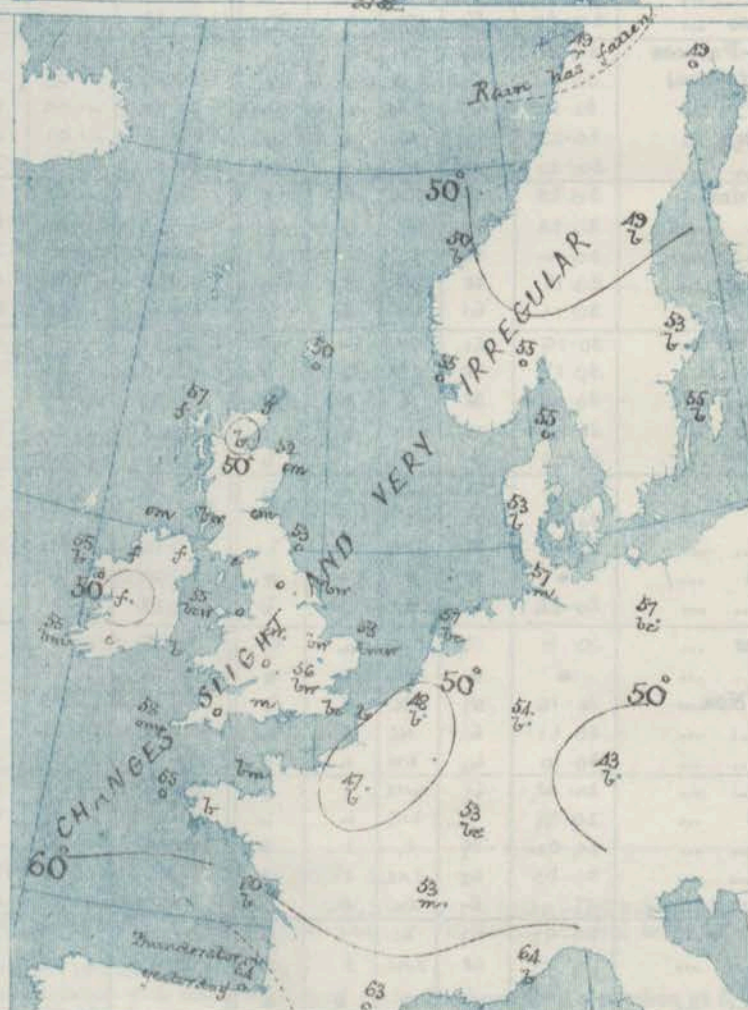
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of September.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet.	
Sumburgh Head	55.2	46.3	50.9	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.08
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.8	53.5	51.3	3.87
Donaghadee	59.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.8	47.5	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	53.1	56.2	53.8	3.89
Scilly	61.8	54.8	58.4	56.2	3.69
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	66.3	49.4	55.9	53.6	2.59
Oxford	63.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

NOTE — The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 30 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 ins. and upwards over Denmark, the extreme south of Scandinavia and the adjacent portions of the Baltic and the North Sea.
 Lowest, 30.0 ins. and less, over Spain and the southwest of France; 30.1 ins. and less over the north of Scandinavia.
 Gradients moderate over the north of Scandinavia, but slight elsewhere.
 Barometer falling in the northern parts of Scotland and Scandinavia, but rising elsewhere.

TEMPERATURE

Highest, 64° at Biarritz and Nice, 63° at Perpignan and Lisbon, 60° at Jersey and Rochefort, and 57° at Rungness.
 Lowest, 41° at Larnaca, 43° at Munich, 45° at Naum, 47° at Paris, 48° at Brussels, and 43° at Kopenhagen, Helsingfors, and Rode.

WIND

Light to fresh from E. or N.E. over the Netherlands, France, Germany, and the south of our islands.
 Light from the S. in the north of our islands; S.W. in Scandinavia.

WEATHER

Fine generally, but dull in the south of Norway and the northeast and southwest of England.
 Fog prevails in the north of Scotland, and the northern and central parts of Ireland.

SEA

Rather rough at Rode, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are no signs of any immediate change in the weather.

FORECASTS

For the 24 hours ending at NOON on 21st September 1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	Light breezes, chiefly S ^W , fair generally, but some fog or mist.
1	SCOTLAND EAST	
2	ENGLAND N.E.	E ^W or SE ^W winds, light; fair generally.
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	E ^W and NE ^W winds, light; fair generally.
5	ENGLAND SOUTH	E ^W winds, moderate or fresh; fine generally

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	E ^W or SE ^W winds, light; fair generally but some fog or mist.
7	ENGLAND N.W.	
8	ENGLAND S.W.	E ^W winds, fresh or strong; fair generally.
9	IRELAND NORTH	Same as No 6 and 1
10	IRELAND SOUTH	Same as No 6 and 7.
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.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.41	54	55	2 0	c	2	Holyhead ...	30.29	61	57	14 2	bm	1
Sumburgh Head ...	30.35	54	52	2 0	c	0	Valencia ...	30.23	62	59	ESE 3	cm	3
Stornoway ...	30.27	60	57	SW 2	b	2	Scilly ...	30.16	62	57	E 6	b	4
Aberdeen ...	30.39	53	51	SSW 2	vm	2	Jersey ...	30.14	66	60	ESE 4	b	3
Shields ...	30.37	52	51	SE 3	0	2	Dungeness ...	30.17	62	58	ESE 6	bc	4
Ardrossan ...	30.31	61	57	W 1	b	1	London ...	30.26	64	58	ESE 3	bu	*
Malin Head ...							Yarmouth ...	30.33	60	58	ESE 4	b	3
Mallaghmore ...	30.25	63	59	ESE 3	0	2	Rocheport ...	30.02	61	71	ESE 3	b	2
Belmullet ...	30.24	65	59	SSW 1	b	*							

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

The reports for yesterday morning showed that pressure ranged from 30.4 ins. and more over Hanover and Mecklenburg and from 30.3 ins. and more over the greater part of Russia, Germany, Scandinavia, the North Sea and Great Britain to rather below 30.0 ins. over Portugal and Italy and to rather below 30.1 ins. over Northern Europe. The winds reported were consequently light and variable—mainly SW or W at the most northern stations, and N to E in the south. The weather was unusually fine and bright and the sea very little disturbed. The barometer, however, showed some tendency to fall in the southwest and south and to rise in the north. Temperature, which had risen over northern, but fallen over southwestern Europe varied from 70° and upwards over the greater part of the Mediterranean, and from between 45° and 55° over the British Isles, to a little above the freezing point on the shores of the White Sea. The highest individual readings were 75° at Biskra and Sfax (Algeria), 75° at Malta and Brindisi, 73° at Cagliari, 72° at Barcelona, and 69° at Monaco; the lowest were 34° at Archangel, 33° at Moscow and Kiev, 41° at Knaparanda, Naraw and Odessa, 43° at Kharkov and Kischieff, and 45° at Hernesand.

During the day pressure continued to give way slowly over southwestern Europe, and the high pressure area seemed to be receding eastwards. The weather, however, remained very fine.

General Remarks on the Weather over Europe for the 24 hours ended at 8 a.m. on 19th Sept. 1888.

The reports for yesterday morning showed that pressure varied from 30.3 ins. and more in a narrow high pressure band (or crest) which lay from W to E. across the centre of the British Isles and the southern parts of the North Sea to rather below 29.9 ins. in a depression lying over Lapland, in another lying over Central Russia, and in a third lying over the Gulf of Genoa, Corsica, and Sicily. The gradients were slight to moderate. NE and E breezes were prevalent over Spain, France and Germany. Varying winds over the Baltic, and S to W winds over the coast and north of our Islands, and over Northern Europe. The weather was fine except in the extreme north and in the south of France, where rain had fallen. Temperatures had fallen a little, and ranged from 77° and more over the southeastern part of the Mediterranean and from 70° and more in the neighbourhood of Bagnan to somewhat below 50° over the greater part of Scandinavia and to a little below the freezing point over Northern Russia. The highest individual values were 81° at Biskra, 79° at Sfax, 77° at Brindisi (the Malta report is not to hand), 76° at Cagliari, 71° at Oran and Cherbourg, 70° at Monaco and 68° at Bagnan; the lowest were 23° at Archangel, 36° at Kuopio and Helsingfors, 40° at Kischieff, 41° at Moscow, 45° at York, 46° at Rode, 47° at Loughborough, and 49° at Hernesand, Shields, and Banow in Fennoscandia.

Later in the day the high pressure area moved eastwards, and as the barometer fell a little in the southwest of France, the NE wind began to freshen a little at our southern stations.

EXPLANATION OF 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.
† The evening observations are taken at 8 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Friday 21st September. 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.93	53	SW	2	b	29.80	-.13	54	53	+.05	SW	4	b	*	57	36	-	
	Hernösand ...	30.24	48	Z	0	b	30.09	-.15	46	45	-.01	Z	0	b	*	66	41	-	
	Stoc'-holm ...	30.35	55	WNW	2	o	30.24	-.11	53	48	0	WNW	2	o	*	66	46	-	
	Wisby ...	30.39	52	SSW	2	b	30.36	-.03	55	53	0	W	2	b	*	61	45	-	
	Bodö ...	29.93	50	WSW	9	o	29.64	-.29	50	49	+.01	WSW	9	r	6	50	43	0.04	
	Christiansund...	30.23	54	WSW	6	c	30.04	-.19	53	50	+.03	WSW	7	b	5	57	48	-	
	Skudesnaes ...	30.44	54	Z	0	o	30.33	-.11	54	51	-.03	WSW	1	o	3	58	54	-	
	Christiania Fjord (Færd)	30.37	56	WSW	2	o	30.26	-.11	57	52	+.05	WSW	5	o	2	57	51	-	
	Skagen (The Scaw)	30.39	54	WSW	1	o	30.33	-.06	54	51	-.03	WSW	2	o	1	57	52	-	
	Fanö ...	30.40	51	Z	0	b	30.36	-.04	52	52	-.01	SE	2	f	*	63	50	-	
BRITISH ISLANDS.	Sumburgh Head	30.26	50	Z	0	o	30.16	-.10	52	51	+.01	W	1	o	2	55	48	-	
	Stornoway ...	30.24	55	SW	3	m	30.20	-.04	54	53	-.01	SW	3	c	3	59	48	-	
	Wick ...	30.27	48	Z	0	b	30.20	-.07	49	48	-.01	Z	0	b	0	62	39	-	
	Nairn ...	30.24	54	Z	0	b	30.22	-.02	51	50	+.01	SW	1	o	1	63	42	-	
	Aberdeen...	30.32	53	S	3	b	30.27	-.05	46	46	-.01	WNW	1	b	2	58	45	-	
	Leith ...	30.30	54	Z	0	b	30.29	-.01	44	44	-.01	Z	0	f	*	60	40	-	
	Shields ...	30.32	55	E	2	o	30.30	-.02	50	49	-.01	SW	2	omv	2	58	43	-	
	Spurn Head ...	?	?	?	?	?	?	?	58	56	+.02	?	3	b	3	60	34	-	
	York ...	30.33	60	E	1	b	30.33	-.01	52	52	-.01	NW	1	f	*	60	43	-	
	Loughborough	30.27	61	ENE	1	b	30.29	+.02	54	53	-.01	ENE	1	agd	*	72	50	-	
GERMANY.	Ardrossan ...	30.28	58	NNE	1	b	30.29	+.01	51	50	-.01	Z	0	bmud	0	60	44	-	
	Malin Head ...	30.46	58	S	2	bm	30.29	-.01	52	52	-.01	WSW	1	omv	1	61	50	-	
	Mullaghmore ...	30.27	58	N	1	bm	30.30	+.01	52	52	-.01	E	2	f	2	63	49	-	
	Belmullet ...	30.27	58	WNW	1	c	30.31	+.01	50	54	+.04	SE	1	o	*	64	54	-	
	Donaghadee ...	30.29	55	SSE	2	b	30.31	+.02	50	50	-.01	WNW	1	f	0	60	49	-	
	Barrow-in-Furness	30.27	61	NE	3	b	30.29	+.02	54	52	+.02	NE	3	b	*	65	50	-	
	Liverpool (Bidston)	30.27	62	E	1	b	30.30	+.03	55	52	-.03	ESE	1	b	1	66	50	-	
	Holyhead ...	30.25	60	ENE	1	b	30.26	+.01	54	53	-.01	ESE	1	bm	1	64	47	-	
	Parsonstown ...	30.25	61	Z	0	b	30.32	+.07	43	43	-.01	NNE	1	f	*	65	39	-	
	Valencia ...	30.25	59	Z	0	bm	30.28	+.03	50	50	-.01	Z	0	bfiw	0	64	42	-	
FRANCE & NETHERLANDS.	Roche's Point...	30.24	56	ESE	2	b	30.25	+.01	52	50	-.02	WNW	2	b	3	61	48	-	
	Pembroke ...	30.22	56	NE	1	b	30.25	+.03	52	51	-.01	ENE	2	bmur	1	64	51	-	
	Scilly ...	30.16	59	NE	4	b	30.18	+.02	58	55	-.03	ENE	2	bm	3	61	54	-	
	Prawle Point ...	30.17	58	NE	4	b	30.20	+.03	54	52	-.02	NE	3	og	2	63	49	-	
	Jersey ...	30.11	62	NE	4	b	30.15	+.04	61	58	-.03	NE	3	bmur	3	68	55	-	
	Hurst Castle ...	30.19	63	ENE	3	b	30.20	+.01	57	55	-.02	NE	2	b	1	67	52	-	
	Dungeness ...	30.16	60	ENE	5	b	30.17	+.01	59	56	-.03	ENE	4	b	2	63	56	-	
	London ...	30.23	58	ENE	3	b	30.22	-.01	56	54	-.02	NNE	1	agm	*	69	51	-	
	Oxford ...	30.25	55	NE	2	b	30.26	+.01	54	53	-.01	NE	2	o	*	69	49	-	
	Cambridge ...	30.26	57	E	1	b	30.25	-.01	57	51	-.06	N	1	o	*	68	48	-	
PENINSULA.	Yarmouth ...	30.27	59	ENE	3	b	30.23	-.04	58	57	-.01	ENE	3	bmur	3	61	56	-	
	Cuxhaven ...	30.44	55	E	2	c	30.29	-.05	56	55	-.01	ESE	3	b	*	61	54	-	
	Berlin ...	30.37	59	ESE	3	b	30.35	-.02	52	49	-.03	ESE	3	b	*	66	48	-	
	Wiesbaden ...	*	*	*	*	*	30.22	-.04	53	52	-.01	E	1	b	*	66	46	-	
	Munich ...	30.21	51	Z	0	b	30.25	+.04	46	46	+.01	W	1	f	*	59	41	-	
	The Helder ...	30.30	59	E	3	b	30.26	-.04	55	53	-.02	E	1	b	1	61	55	-	
	Brussels ...	*	*	*	*	*	30.19	-.06	46	45	-.01	E	1	bc	*	66	43	-	
	Cape Gris Nez...	30.16	59	NE	5	b	30.17	+.01	57	57	+.01	ESE	3	b	1	64	48	-	
	Paris ...	30.11	58	NE	3	b	30.15	+.04	46	46	-.01	NNE	3	b	*	70	44	-	
	Brest ...	30.13	63	ENE	5	b	30.15	+.02	50	53	+.03	ENE	4	m	3	75	?	-	

For Explanation of Columns, see p. 4.

† Received too late for insertion in Chart on p. 2.

WEATHER CHARTS

for 8 a.m. on

Friday, 21st September,

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10; →→ = forces 8 to 10;

→→ = forces 5 to 7; → = forces 1 to 4;

○ = dead calm.

Sea Disturbance — where considerable is shown thus.

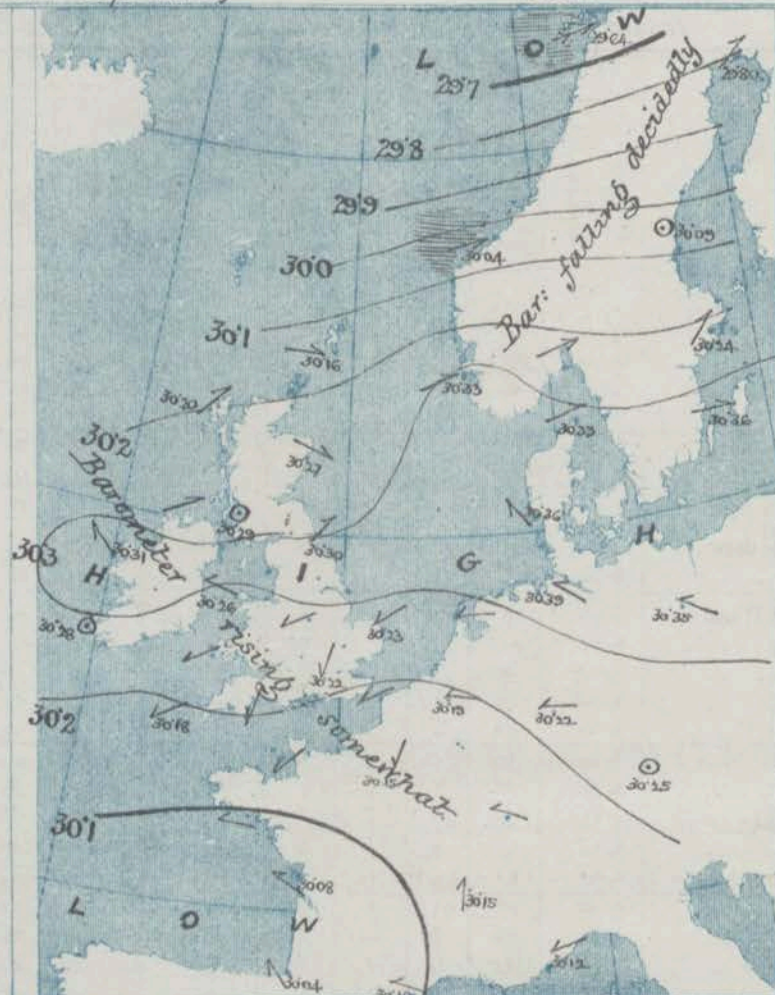
■ = Rough ■ = High

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September.

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head.	29.768
Stornoway.	29.780
Wick.	29.793
Nairn.	29.809
Aberdeen.	29.819
Leith.	29.846
Shields.	29.869
York.	29.905
Loughborough.	29.924
Ardrossan.	29.850
Donaghadee.	29.869
Holyhead.	29.894
Liverpool.	29.899
Parsonstown.	29.904
Valencia.	29.917
Roche's Point.	29.915
Pembroke.	29.913
Scilly.	29.943
Jersey.	29.955
Hurst Castle.	29.960
Dover.	29.941
LONDON.	29.945
Oxford.	29.935
Cambridge.	29.931
Yarmouth.	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none.

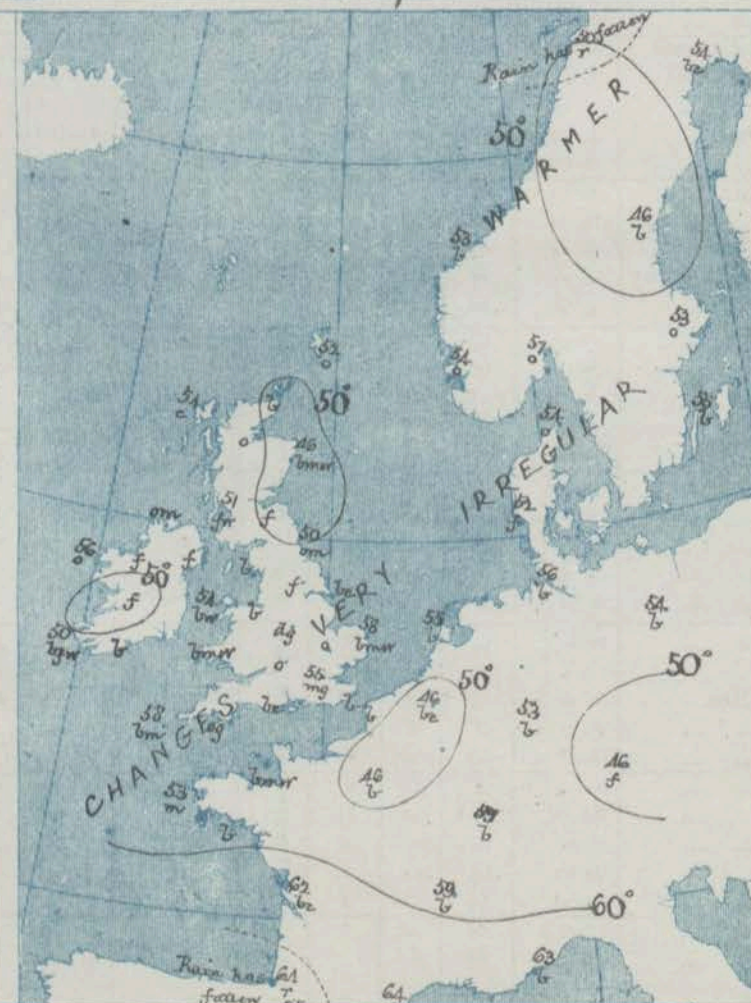
Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of September.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.	55.2	46.3	50.9	49.2	3.46
Stornoway.	56.1	45.7	51.1	49.3	4.13
Wick.	57.6	45.5	51.8	49.9	2.66
Nairn.	59.0	46.8	51.2	48.8	2.73
Aberdeen.	59.2	46.7	52.1	49.8	3.22
Leith.	62.2	47.6	53.2	50.8	2.47
Shields.	59.9	49.3	53.1	51.1	2.58
York.	63.3	47.3	52.8	51.0	2.98
Loughborough.	65.0	47.9	54.3	52.4	3.06
Ardrossan.	59.7	49.6	53.5	51.3	3.87
Donaghadee.	59.6	48.8	53.3	52.1	3.22
Holyhead.	60.6	52.8	55.7	53.5	3.35
Liverpool.	61.2	60.9	54.5	51.9	3.56
Parsonstown.	61.6	47.5	53.1	51.1	3.49
Valencia.	61.7	51.5	56.3	53.9	4.87
Roche's Point.	61.9	51.0	55.4	53.2	4.39
Pembroke.	60.2	53.1	56.2	53.8	3.89
Scilly.	61.8	54.8	58.4	56.2	3.69
Jersey.	65.2	54.9	59.8	57.1	3.51
Hurst Castle.	64.2	52.2	57.2	55.8	3.35
Dover.	62.9	53.0	57.9	55.3	2.86
LONDON.	66.3	49.4	55.9	53.6	2.59
Oxford.	63.8	49.1	54.2	52.3	2.91
Cambridge.	65.5	48.1	54.4	52.9	2.48
Yarmouth.	62.0	51.1	56.2	54.4	3.17

Note — The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 20 years 1868—85



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.3 ins. and upwards in a long and tapering band extending from the Baltic across Denmark, the North Sea and the north of England to the west of Ireland. Lowest 29.7 ins. and less, in a depression lying over the north of Norway. Gradients rather steep over the north of Scandinavia, but slight elsewhere. Barometer falling at all but our extreme southern and the French stations — quickly in Scandinavia.
TEMPERATURE	Highest 61° at Biarritz and Perpignan, 63° at Nice and Lisbon, 62° at Rochefort, 61° at Jersey and 59° at Dungeness and Lyons. Lowest 43° at Parsonstown, 44° at Leith, 46° at Harvisand, Aberdeen, Brussels and Munich, and 49° at Wick.
WIND	S.W. or W. in Scandinavia and the north of Scotland; with a moderate to fresh gale in the west of Norway. Light from between S.E. and N.E. over England, Germany, the Netherlands and France.
WEATHER	Fair generally but foggy over the northern parts of Ireland and England, misty in many other places, and rainy at Bodo. Somewhat heavy falls of rain occurred yesterday at Biarritz and Lisbon.
SEA	Rough off the west of Norway, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometric fall in the north will probably occasion some extension of the W. wind, but no important change in the weather is likely at present.

FORECASTS

for the 24 hours ending at NOON on 22nd September 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	W. winds, light or moderate; cloudy, rain locally.	6 { SCOTLAND WEST	Variable breezes, finally W. fine generally.
1 { SCOTLAND EAST		7 { ENGLAND N. W.	
2 { ENGLAND N. E.	W. winds, light; fair generally.	8 { ENGLAND S. W.	Light breezes, chiefly E. fair generally.
3 { ENGLAND EAST		9 { IRELAND NORTH	
4 { MIDLAND COUNTIES	E. to variable breezes; fair generally, but local fogs at night.	10 { IRELAND SOUTH	Same as N ^{os} 6 and 7.
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.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.03	58	54	WNW 2	0	2	Holyhead ...	30.27	61	58	NY 2	6	1
Samburgh Head ...	30.1	59	52	W 1	0	2	Valencia ...	30.24	62	59	NY 2	cm	2
Stornoway ...	30.20	57	55	SW 4	0	14	Sailly ...	30.16	61	57	E 5	6	4
Aberdeen ...	30.29	58	53	SE 4	6	3	Jersey ...	30.11	67	60	E 4	6	3
Shields ...	30.35	57	55	E 2	0	2	Dungeness ...	30.17	62	58	E 6	6	5
Ardrossan ...	30.36	60	56	W 0	6	0	London ...	30.23	66	58	ENE 3	6	*
Malin Head ...	30.28	60	57	NNW 2	6	1	Yarmouth ...	30.30	61	58	ENE 4	6	4
Mullaghmore ...	30.27	60	56	ESE 4	cm	2	Rochefort ...	30.04	80	72	ESE 3	6	2
Belmullet ...	30.46	63	58	W 1	0	*							

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

The reports for yesterday morning showed that an anticyclonic system then covered the whole of Europe, its central area (in which readings ranged from 30.30 in. to 30.45 in.) lying over the North Sea, Baltic, Germany, Poland, Hungary and Western Europe. Gradients on all its sides were light, so that the NE winds which prevailed at the more southern stations, and the S to W winds in the north, were all light or moderate in force, while the central stations were marked by calms and variable airs. The weather was remarkably fine except over the Spanish Peninsula, where some thunderstorms had occurred. Temperature, however, was not high — ranging from a little above 70° over the southern parts of the Mediterranean, and considerably below 70° in the south of France to between 50° and 55° over the greater part of our islands (with local patches of much lower temperature) and to less than 40° in many parts of Russia and some parts of Austro-Hungary. The highest individual readings were 79° at Sfax (Tunis), 77° at Brindisi, Cagliari and Malta, 71° at Palermo, Genoa, and Langunair, 70° at Monaco, 69° at San Fernando, 68° at Bilbao, and 64° at Nice and Biarritz; the lowest 36° at Kiev, 38° at Nicolaïeff, 40° at Archangel, 41° at Kharkov and Parnonatorow, 45° at Kugpis, Helsinki and Nain, and 49° at Haparanda, Hermand and Bodo.

There was no important change later in the neighbourhood of our islands beyond a considerable rise of temperature inland as the day advanced, and a subsequent fall again as night came on.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Saturday, 22nd September 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 5.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force, (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force, (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.50	61	SW	6	b	29.73	-.07	45	45	- 9	NW	4	b	*	61	?	-	
	Hernösand ...	29.82	58	N	6	0	30.04	-.05	50	44	+ 4	NW	6	b	*	64	39	-	
	Stockholm ...	30.05	53	W	2	c	30.05	-.19	53	50	0	Z	0	0	*	63	50	-	
	Wisby ...	30.19	58	W	4	b	30.10	-.26	55	51	0	NW	3	0	*	59	46	-	
	Bodö ...	29.80	46	WSW	9	r	29.90	+ .26	42	38	- 8	WNW	4	c	3	50	39	0.24	
	Christiansund...	30.02	51	WSW	8	c	30.11	+ .07	50	45	- 3	WSW	6	c	5	57	46	0.20	
	Skudesnaes ...	30.23	55	WSW	2	0	30.23	-.10	55	55	+ 1	WSW	1	rf	2	57	54	-	
	Christiania Fjord (Fjord)	30.08	57	WSW	4	b	30.12	-.14	55	52	- 2	W	2	bc	2	57	54	-	
	Skagen (The Scaw)	30.14	54	W	4	b	30.15	-.18	56	54	+ 2	NW	3	c	3	57	52	-	
	Fanö ...	30.27	53	ESE	1	b	30.24	-.12	54	52	+ 2	ESE	1	0	*	63	48	-	
BRITISH ISLANDS.	Sumburgh Head	30.17	51	Z	0	0	30.10	-.06	53	53	+ 1	SW	1	r	1	55	48	0.22	
	Stornoway ...	30.21	57	SW	3	m	30.12	-.08	55	53	+ 1	SW	4	0	4	59	52	-	
	Wick ...	30.26	57	SE	1	0	30.13	-.07	55	54	+ 6	Z	0	0	0	65	48	-	
	Nairn ...	30.21	58	Z	0	c	30.16	-.06	53	51	+ 2	W	1	bc	1	67	42	-	
	Aberdeen...	30.26	49	ESE	1	b	30.20	-.07	47	46	+ 1	SSW	1	bmo	1	60	39	-	
	Leith ...	30.22	59	W	1	b	30.24	-.05	44	44	0	W	1	b	*	68	41	-	
	Shields ...	30.24	54	S	1	m	30.25	-.05	44	43	- 6	SW	2	f	2	60	41	-	
	Spurn Head ...	30.24	56	ESE	2	c	30.32	?	52	51	- 6	WNW	2	cq	2	60	43	-	
	York ...	30.27	59	E	1	bc	30.30	-.03	48	48	- 4	N	1	f	*	65	47	-	
	Loughborough	30.23	60	NE	1	b	30.28	-.01	52	50	- 2	NE	1	smc	*	69	50	-	
GERMANY.	Ardrossan ...	30.25	55	SW	1	b	30.25	-.04	49	49	- 2	Z	0	ow	0	60	48	-	
	Malin Head ...	30.27	55	NE	1	b	30.23	-.06	53	53	+ 1	S	2	mw	2	59	52	-	
	Mullaghmore ...	30.26	56	WNW	2	b	30.26	-.04	50	50	- 2	SE	1	f	2	61	44	-	
	Belmullet ...	30.28	56	WNW	1	0	30.27	-.04	54	52	- 2	ESE	1	0	*	59	49	-	
	Donaghadee ...	30.27	54	NE	2	f	30.27	-.04	47	47	- 3	SSW	2	f	0	60	46	-	
	Barrow-in-Furness	30.23	60	NW	2	b	30.24	-.05	50	49	- 4	NE	1	b	*	64	49	-	
	Liverpool (Bidston)	30.25	58	SE	1	0	30.27	-.03	50	49	- 5	SE	1	f	2	63	46	-	
	Holyhead ...	30.24	57	NE	2	m	30.25	-.01	52	52	- 2	Z	0	mw	0	64	48	-	
	Parsonstown ...	30.28	52	Z	0	b	30.27	-.05	47	46	+ 4	Z	0	f	*	57	43	0.01	
	Valencia ...	30.24	60	WNW	1	bm	30.24	-.04	53	52	+ 3	Z	0	f	0	67	44	-	
FRANCE & NETHERLANDS.	Roche's Point...	30.24	59	ESE	1	b	30.25	-.00	54	53	+ 2	N	2	m	3	63	50	-	
	Pembroke ...	30.21	61	W	1	b	30.23	-.02	53	52	0	ESE	2	mw	0	63	50	-	
	Scilly ...	30.17	58	E	1	bm	30.17	-.01	59	57	+ 1	ESE	3	bmw	3	62	54	0.01	
	Prawle Point ...	30.18	57	NE	3	b	30.21	+ .01	57	55	+ 3	ESE	3	cq	2	62	51	-	
	Jersey ...	30.13	62	NE	3	bm	30.17	+ .02	60	58	- 1	ESE	3	bmw	3	69	55	-	
	Hurst Castle ...	30.18	62	NNE	3	m	30.23	+ .03	50	50	- 7	NNE	4	mw	1	67	48	-	
	Dungeness ...	30.14	60	E	3	b	30.19	+ .02	51	51	- 8	NE	3	m	3	64	45	-	
	London ...	30.20	59	NE	1	b	30.24	+ .02	52	51	- 3	NE	1	ogms	*	70	47	-	
	Oxford ...	30.23	54	NE	2	b	30.26	00	52	50	- 2	NE	2	b	*	67	50	-	
	Cambridge ...	30.21	64	NE	1	b	30.26	+ .01	55	53	+ 4	N	1	0	*	69	47	-	
PENIN- SULA.	Yarmouth ...	30.20	58	NE	3	b	30.22	-.01	58	57	0	NE	3	bcw	3	61	56	-	
	Cuxhaven ...	30.24	55	E	2	b	30.24	-.10	54	53	- 2	E	3	f	*	61	51	-	
	Berlin ...	30.26	59	ESE	1	b	30.25	-.10	53	50	+ 1	Z	0	b	*	68	48	-	
	Wiesbaden ...	*	*	*	*	*	30.21	-.01	50	49	- 3	Z	0	b	*	69	46	-	
	Munich ...	30.23	54	Z	0	b	30.25	00	49	49	+ 3	SE	1	m	*	61	43	-	
	The Helder ...	30.20	59	ESE	3	b	30.21	-.05	58	54	+ 3	ESE	1	b	2	63	55	-	
	Brussels ...	*	*	*	*	*	30.18	-.01	54	52	+ 8	Z	0	b	*	68	?	-	
	Cape Gris Nez...	30.15	58	ESE	4	b	30.14	-.03	57	57	+ 6	N	1	f	2	64	50	-	
	Paris ...	30.13	62	NE	1	b	30.13	+ .02	49	49	+ 3	NE	1	m	*	73	47	-	
	Brest ...	30.15	61	ESE	4	b	30.14	-.01	54	52	+ 1	E	3	b	2	75	41	-	
FRANCE & NETHERLANDS.	Lorient ...	30.08	67	ESE	1	b	30.10	+ .01	59	57	+ 4	E	4	b	2	72	54	-	
	Rochefort ...	30.06	72	NE	1	bc	30.10	+ .02	61	59	- 1	E	4	b	2	79	55	-	
	Belfort ...	30.18	59	E	1	b	30.23	+ .03	59	57	0	E	1	b	*	76	42	-	
	Lyons ...	30.10	68	E	1	b	30.16	+ .01	57	54	- 2	W	1	b	*	78	53	-	
	Nice ...	30.10	69	ESE	5	bc	30.15	+ .03	64	55	+ 1	E	3	c	3	75	61	-	
	Perpignan ...	30.07	64	ESE	1	r	30.04	-.06	61	61	- 3	SW	1	t	*	69	58	1.58	
	Biarritz ...	30.03	64	Z	0	r	29.99	-.05	63	60	- 1	Z	0	0	0	72	61	0.79	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	
	Lisbon ...	30.03	64	WNW	4	b	29.98	-.08	64	62	+ 1	NW	4	0	4	72	61	-	

WEATHER CHARTS

for 8 a.m. on Saturday, 22nd September, 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus—

→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4;
○ = dead calm.

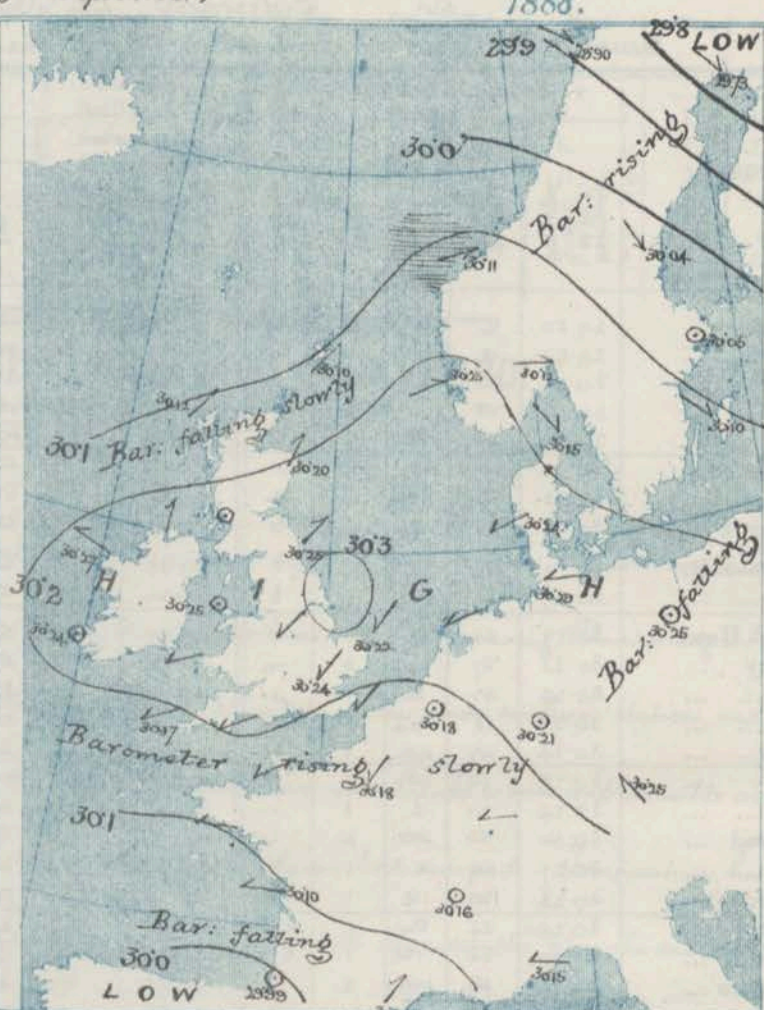
Sea Disturbance—where considerable is shown thus.

— Rough — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September.
During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.766
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.850
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Scilly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature—Isotherms are drawn for each 10° Changes since previous morning are stated in words.

Weather—is shown by Letters of the Beaufort Scale.

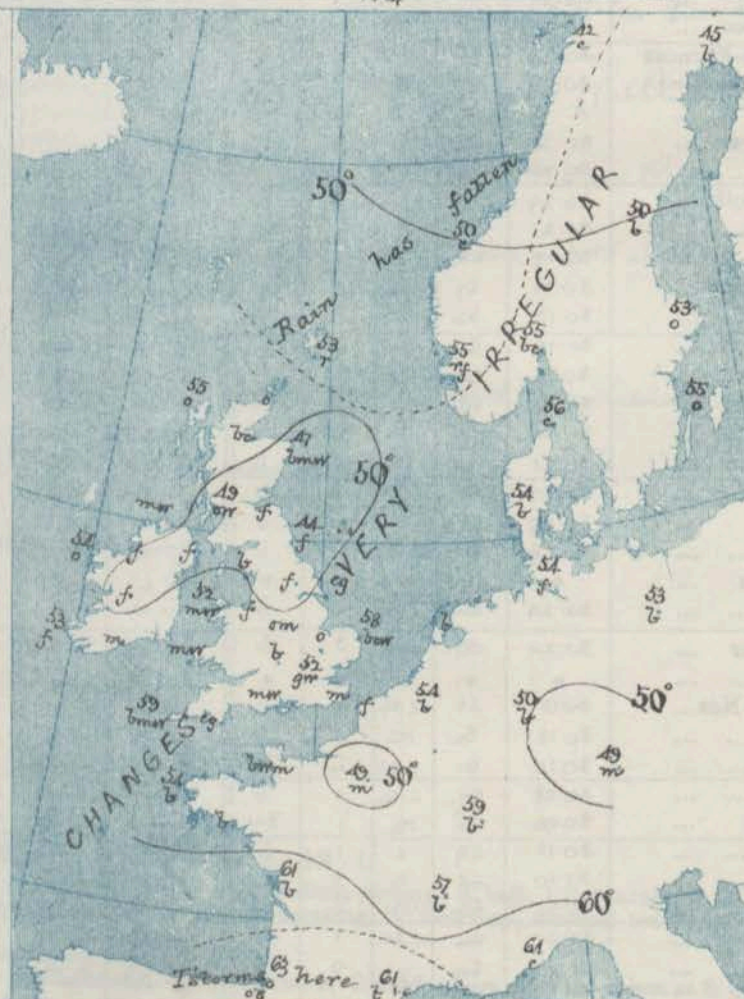
Rainfall—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of September.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	55.2	46.3	50.9	49.2	3.46
Stornoway.	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.5	51.3	3.87
Donaghadee	59.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.5	53.1	51.1	3.40
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	53.1	56.2	53.8	3.89
Scilly	61.8	54.8	58.4	56.2	3.69
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	66.3	49.4	55.9	53.6	2.59
Oxford	63.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

NOTE—The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 30 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.32 ins at Spinn Head, 30.2 ins: and upwards over the whole of Ireland, England, the North Sea, Denmark and Germany.
Lowest, 29.8 ins: and less, in the north of Sweden; 30.0 ins: and less, over the Iberian Peninsula.
Gradients slight. Barometer falling in Scotland and also on the eastern shores of the North Sea, but rising in most other localities.

TEMPERATURE

Highest, 64° at Nise and Linton, 63° at Hamitz, 61° at Rochefort and Perpignan, and 60° at Jersey.
Lowest, 42° at Rode, 44° at Leith and Shields, 45° at Haparanda, 47° at Aberdeen, Donaghadee and Buncrana, and 48° at York.
During yesterday the thermometer rose to 63° at Loughborough, Jersey and Cambridge, and 70° in London.

WIND

Light or moderate from SW. in Scotland, moderate to strong from W. or NW. in Scandinavia.
Light from E. or NE. over the Netherlands, France and the south of England.
Variable over the more central parts of the United Kingdom.

WEATHER

Quell in the north of Scandinavia and France, with rain at Rudenæs and Lumburg, and thunder at Perpignan.
Fair or fine elsewhere, but foggy over Ireland and the north of England, and misty in many other districts.
Thunderstorms with heavy rain have occurred in the south of France, and smaller amounts of rain have been measured in the north of France.

SEA

Rather rough at Christiansund and moderate at Stomoway and Lister, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The fall of the barometer which is in progress in the north of our Islands seems to indicate the advance of another depression from the Atlantic. This will probably travel away towards Scandinavia without materially affecting the weather over the United Kingdom. Conditions are, however, gradually becoming less settled.

FORECASTS

for the 24 hours ending at NOON on 23rd Sept. 1888.

DISTRICTS.

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

FORECASTS.

SW^{ly} and W^{ly} winds, moderate or fresh; cloudy, some rain.
SW^{ly} and W^{ly} winds, light; fair generally but some fog or mist.
Light NE^{ly} airs; fine generally, but some fog or mist.

DISTRICTS.

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

FORECASTS.

light variable airs; fair generally, but some fog or mist.
E^{ly} winds, light or moderate; fair generally.
S^{ly} to SW^{ly} winds, light or moderate; fair to cloudy and some rain.
Same as Nos 6 and 7.

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.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.24	57	53	SW 4	o	3	Holyhead ...	30.25	62	58	NNE 2	b	1
Sumburgh Head ...	30.16	53	52	W 6	r	2	Valencia ...	30.26	67	61	NW 1	b m	1
Stornoway ...	30.22	59	57	SW 3	m	3	Scilly ...	30.17	59	56	ESE 4	c	3
Aberdeen ...	30.25	58	54	E 1	b	2	Jersey ...	30.13	67	60	ESE 3	b	3
Shields ...	30.26	58	55	E 2	b m	2	Dungeness ...	30.15	64	59	E 3	b	2
Ardrossan ...	30.17	63	56	W 1	b	1	London ...	30.19	67	59	NNE 2	b	*
Malin Head ...	30.29	59	55	NW 1	b	0	Yarmouth ...	30.23	61	58	ESE 3	b	3
Mullaghmore ...	30.28	60	56	NW 1	b	2	Rochefort ...	30.04	75	68	NW 3	b	2
Belmullet ...	30.30	59	55	NW 1	o	*							

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

The reports for yesterday morning showed that a large anticyclone, with maximum readings varying from 30.30 ins. to 30.45 ins. still lay over eastern, central, and western Europe, but that a well formed (but not deep) depression had appeared over Lapland, where the barometer had fallen about 0.4 ins. Strong SW winds and gales had consequently set in over the northern parts of Scandinavia and Gulf of Bothnia, accompanied by changeable showery weather, but over the remainder of Europe the weather continued fine and dry, though fog was reported at times over many of the inland districts, and lightning had occurred over Central France. Temperature had changed irregularly; over Germany and many parts of France it had fallen, and was decidedly lower at the inland than at the coast stations. The highest individual values at 8 am were 82° at Biskra (Algeria), 74° at Malta, 73° at Brindisi, 71° at Palermo, 70° at Langunais, 69° at Monaco and Barcelona, and 64° at Biarritz and at Perpignan; the lowest were 41° at Raccon, 42° at Hermanstadt and Kharlov, 43° at Kiebsieff, Kiev, Lemberg and Tarnobrow, 44° at Prague and Leith, 46° at Hannover, Munich, Brussels and Paris, and 49° at Wiek.

Little change occurred later beyond the common diurnal range of temperature, which was large—especially at the inland stations.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Sunday 23rd SEPT 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R.H. POTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. 0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.85	35	N	2	b	29.76	+ .03	37	37	- 3	E	2	0	*	48	?	—	
	Hernösand ...	30.08	44	Z	0	b	29.83	- .21	50	46	0	SW	2	0	*	61	41	—	
	Stockholm ...	30.13	52	S	2	0	30.00	- .65	55	52	+ 2	WSW	2	0	*	63	48	—	
	Wisby ...	30.18	52	WSW	2	a	30.11	+ .01	55	54	0	SSW	2	0	*	61	48	—	
	Bodö ...	29.96	39	Z	0	0	29.86	- .34	42	39	0	ENE	2	0	1	43	37	—	
	Christiansund...	29.89	62	SSW	4	r	29.84	- .27	53	52	+ 3	WSW	9	r	5	54	50	0.28	
	Skudesnaes ...	30.20	55	SSW	4	0	30.17	- .06	55	53	0	SSW	2	0	3	55	?	—	
	Christiania Fjord (Færd)	30.11	57	SSW	2	bc	30.05	- .07	58	54	+ 3	WSW	4	0	3	61	55	—	
	Skagen (The Scaw)	30.18	55	W	3	0	30.13	- .02	54	52	- 2	WNW	4	0	3	61	52	—	
	Fanö ...	30.26	49	NNW	1	b	30.25	+ .01	50	50	- 4	SE	1	f	*	61	43	—	
BRITISH ISLANDS.	Sumburgh Head	30.03	54	W	4	0	30.05	- .05	53	53	0	W	3	r	3	50	49	0.03	
	Stornoway ..	30.11	55	SW	5	0	30.11	- .01	58	55	+ 1	SW	3	0	3	58	53	0.02	
	Wick ...	30.10	60	Z	0	0	30.11	- .02	58	57	+ 3	Z	0	0	0	67	51	—	
	Nairn ...	30.16	57	WSW	1	b	30.13	- .03	56	53	+ 3	WSW	1	0	2	67	50	—	
	Aberdeen...	30.14	57	NNW	1	bc	30.18	- .02	50	48	+	W	1	bm	2	66	42	—	
	Leith ...	30.19	56	W	2	b	30.20	- .04	46	46	+ 2	NW	2	f	*	66	43	—	
	Shields ...	30.20	59	S	2	bm	30.20	- .05	46	46	+ 2	SW	2	f	2	60	41	—	
	Spurn Head ...	30.20	56	ENE	2	0	30.21	- .11	53	51	+ 1	E	3	0	2	59	51	—	
	York ...	30.26	52	E	1	b	30.24	- .06	49	47	+ 1	Z	0	f	*	57	41	—	
	Loughborough	30.22	58	NE	1	b	30.23	- .05	50	50	- 2	ENE	1	ogm	*	64	48	—	
GERMANY.	Ardrossan ...	30.22	52	W	1	of	30.24	- .04	50	49	+ 1	W	1	omv	1	53	47	—	
	Malin Head ...	30.23	56	NW	2	0	30.21	- .02	51	51	- 2	S	2	om	2	59	51	—	
	Mullaghmore ...	30.24	50	Z	0	b	30.20	- .06	50	49	0	Z	0	m	0	57	47	—	
	Belmullet ...	30.23	55	NNE	1	0	30.20	- .07	50	49	- 4	SSE	2	0	*	59	50	—	
	Donaghadee ...	30.24	50	NE	2	f	30.21	- .06	49	49	+ 2	NE	2	f	0	51	47	—	
	Barrow-in-Furness	30.21	58	SW	2	0	30.20	- .04	51	50	+ 1	NE	1	f	*	61	49	—	
	Liverpool (Bidston)	30.22	54	SSE	1	b	30.21	- .06	49	48	- 1	SE	1	f	2	61	44	—	
	Holyhead ...	30.22	54	Z	0	f	30.19	- .06	51	51	- 1	NE	1	m	1	61	51	—	
	Parsonstown ...	30.25	52	Z	0	0	30.20	- .07	52	50	+ 5	Z	0	0	*	52	46	—	
	Valencia ...	30.22	57	W	1	omv	30.20	- .04	53	51	0	N	1	bm	1	54	47	—	
FRANCE & NETHERLANDS.	Roche's Point...	30.22	57	ENE	1	m	30.16	- .09	55	53	+ 1	ESE	1	omv	3	61	51	—	
	Pembroke ...	30.21	55	NW	1	m	30.17	- .06	50	48	- 3	ENE	2	mvt	1	59	46	—	
	Scilly ...	30.14	57	E	5	bm	30.10	- .07	59	56	0	E	4	bm	3	63	54	—	
	Prawle Point ...	30.19	54	ENE	2	b	30.15	- .06	55	55	- 2	ENE	3	omv	2	59	49	0.01	
	Jersey ...	30.14	61	ENE	4	b	30.11	- .06	60	58	0	ENE	3	bm	3	70	56	—	
	Hurst Castle ...	30.19	61	NE	2	m	30.17	- .06	53	53	+ 3	NE	1	fw	0	64	50	—	
	Dungeness ...	30.15	61	E	2	b	30.13	- .06	58	57	+ 7	N	2	m	1	67	57	—	
	London ...	30.19	62	NE	1	b	30.19	- .05	54	54	+ 5	NE	1	ogm	*	69	51	—	
	Oxford ...	30.20	63	NE	1	b	30.21	- .05	49	49	- 3	NE	2	of	*	65	49	—	
	Cambridge ...	30.21	56	N	1	b	30.21	- .05	54	54	- 1	N	1	0	*	67	47	—	
PENINSULA.	Yarmouth ...	30.20	60	NNE	2	b	30.20	- .02	59	58	+ 1	Z	0	cm	2	62	55	—	
	Cuxhaven ...	30.28	65	NNE	2	b	30.26	- .03	56	55	+ 2	E	1	b	*	60	54	—	
	Berlin ...	30.23	64	SSE	1	b	30.25	00	53	50	0	SE	1	b	*	72	50	—	
	Wiesbaden ...	*	*	*	*	*	30.21	00	53	51	+ 3	Z	0	b	*	70	48	—	
	Munich ...	30.25	55	Z	0	b	30.25	00	48	48	- 1	Z	0	b	*	66	39	—	
	The Helder ...	30.21	59	ENE	1	b	30.19	- .02	58	56	0	ENE	1	b	2	63	57	—	
	Brussels ...	*	*	*	*	*	30.19	+ .01	57	56	+ 3	Z	0	f	*	72	53	—	
	Cape Gris Nez...	30.16	59	NE	3	bc	30.14	00	56	56	- 1	E	?	bc	1	66	55	—	
	Paris ...	30.13	63	NNE	1	b	30.13	- .05	51	51	+ 2	Z	0	b	*	74	48	—	
	Brest ...	30.11	68	Z	0	bc	30.09	- .05	56	55	+ 2	ENE	4	b	2	75	?	—	

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on

Sunday, 23rd September

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4;
○ = dead calm.

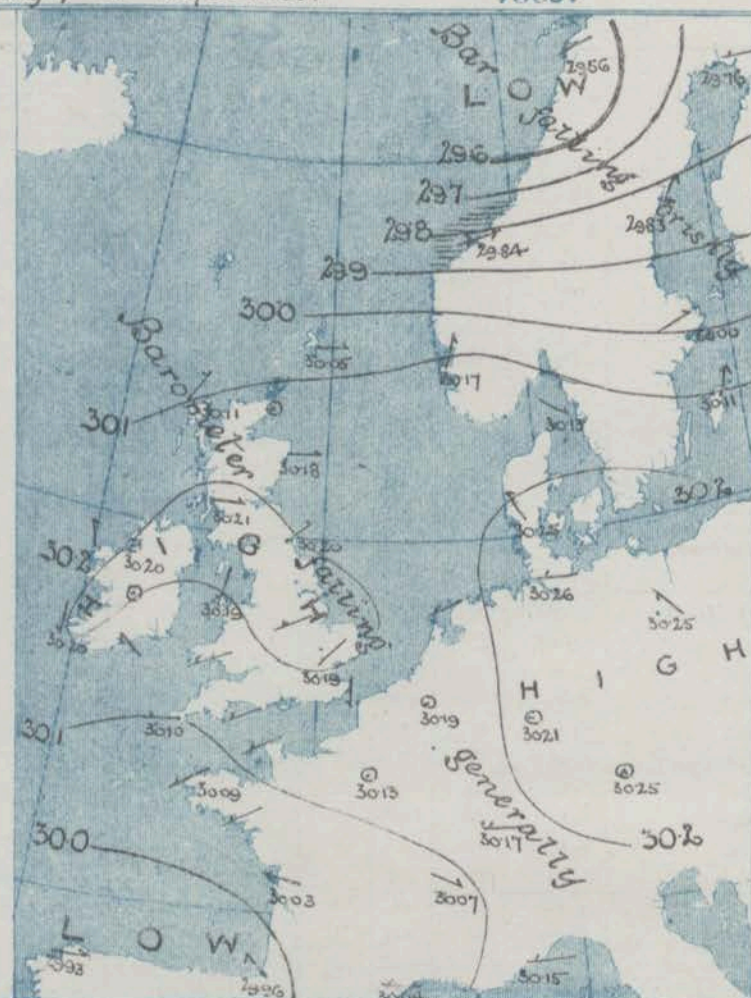
Sea Disturbance — where considerable is shown thus.

■ = Rough ■ = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September.
During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.766
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.850
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Scilly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather is shown by Letters of the Beaufort Scale.

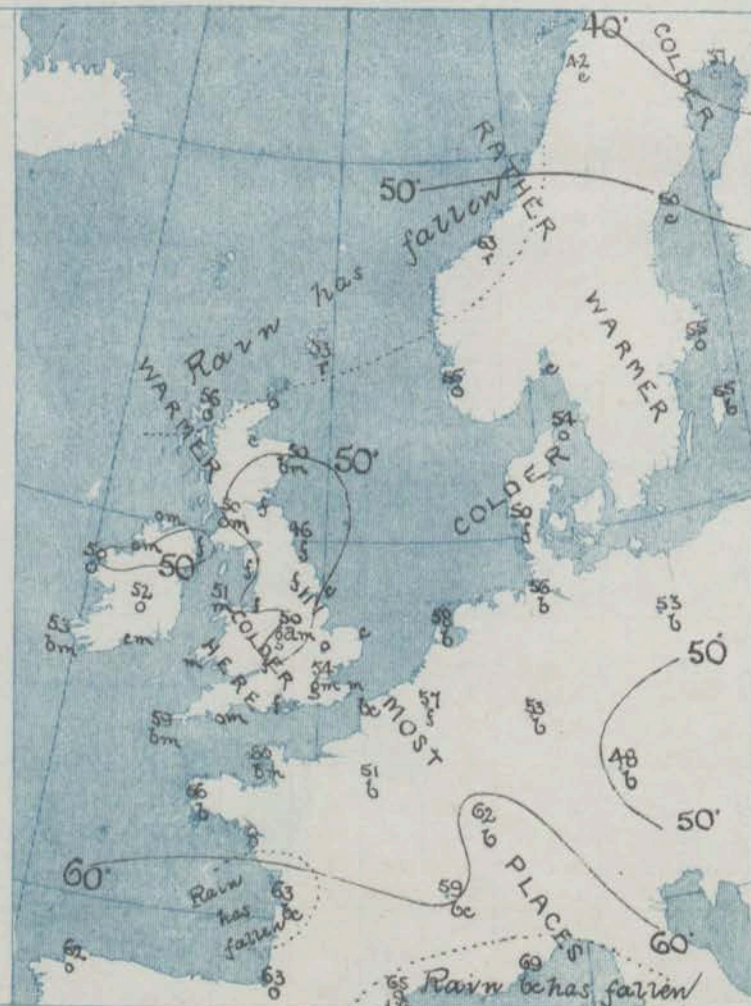
Rainfall A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of September.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet.	
Sumburgh Head	55.2	46.3	50.9	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.5	51.3	3.87
Donaghadee	59.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.5	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.89
Pembroke	60.2	53.1	56.2	53.8	3.89
Scilly	61.8	54.8	58.4	56.2	3.69
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	66.3	49.4	55.9	53.6	2.59
Oxford	63.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

NOTE — The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 20 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in. and upwards, over Germany and the southern part of the Baltic, as well as over the greater part of Ireland and the north and east of England.
Lowest, 29.6 in. and less, in a depression off the coast of Denmark.
Gradient rather steep over Scandinavia, but slight elsewhere.
Barometer falling briskly in the coast of Norway, and slightly in most other localities.

TEMPERATURE

Highest, 63° at Kiel, 65° at Copenhagen, 64° at Lübeck, 63° at Rochefort and Bismarck, 62° at Belfast, and 60° at Jersey.
Lowest, 57° at Haparanda, 42° at Rode, 46° at Lark and Shields, 48° at Munich, and 43° at York, Donaghadee, Liverpool and Oxford.
During yesterday the thermometer rose to above 65° in the north and east of Scotland and the southeast of England and to 70° at Jersey.

WIND

W. or S.W. over Scotland and the southern half of Scandinavia, — a gale at Christiansund.
E. or N.E. over the greater part of England and France, as well as in the north of Scandinavia.
Variable over Germany and the central part of our Islands.

WEATHER

Foggy or misty over the greater part of England and Ireland, as well as in Denmark.
Dull in Scandinavia and also on our extreme north and northwest coasts, with rain at Christiansund and Lumburgh Head.
Fine over Germany, France, and the Netherlands.

SEA

Rather rough at Christiansund, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large anticyclone recently noticed over Europe appears to be breaking up, and conditions are therefore becoming less settled. A new depression has appeared off the northwest of Norway, but this will probably move eastwards without materially affecting the weather over the United Kingdom.

FORECASTS

For the 24 hours ending at NOON on 24TH SEPT 1888.

DISTRICTS.

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

FORECASTS.

NONE ISSUED

DISTRICTS.

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

WARNINGS

FORECASTS.

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.	Dry.	Wet.	Wind.	Wes.	Ses.		Bar.	Dry.	Wet.	Wind.	Wes.	Ses.
Skudesnaes ...	30.18	55	54	SE 2	of	3	Holyhead ...	30.23	58	57	NW 2	f	1
Sumburgh Head ...	30.06	55	52	W 2	c	2	Valencia ...	30.23	58	56	W 1	f	1
Stornoway ...	30.16	57	55	SW 5	o	4	Scilly ...	30.17	60	57	E 5	bcm	4
Aberdeen ...	30.15	65	58	S 2	b	2	Jersey ...	30.16	67	63	NE 4	b	3
Shields ...	30.12	58	55	SE 2	bm	2	Dungeness ...	30.07	66	61	NE 2	b	2
Ardrossan ...	30.25	52	51	W 1	o	0	London ...	30.21	66	60	NE 1	b	*
Malin Head ...	30.23	59	56	NW 1	b	0	Yarmouth ...	30.23	62	60	NE 3	b	3
Mullaghmore ...	30.25	54	51	NE 1	ow	1	Rochefort ...	30.09	52	69	ESE 5	bc	2
Belmullet ...	30.25	57	52	NW 1	c	*							

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

The reports for yesterday morning showed that while the highest pressure of all (30.3 ins. and upwards) were reported over the south of Russia and Eastern Austria, a large anticyclone, in which readings exceeded 30.1 ins. covered the whole of Europe with the exception of the Scandinavian and Iberian Peninsulas. Over Lapland there was a depression with readings below 29.8 ins.; while in the southwest of France there was subsidiary disturbance with readings below 30.0 ins. The wind was SW² in Scotland and the west of Norway, and W² or NW¹ over Sweden and Northern Russia. Over France, the Netherlands, and the south of our islands, light E² or NE² breezes continued, while over Spain, Italy, Algeria, and Central Europe variable breezes were reported. The weather was fine generally, but fog was very prevalent over Ireland and England, rain was falling at Skudness and Sumburgh Head and thunderstorm was in progress at Perpignan. Temperature had changed very irregularly, and readings ranged from 75° and upwards at some of the Algerian stations, and 70° and upwards over Southern Italy to 50° or less over Northern Europe and at many of the Central stations. The highest individual values were 81° at Kustwa, 79° at Saf, 76° at Tunis, 75° at Malta, 73° at Raballe, and 72° at Brindisi, Cagliari, and Algiers; the lowest were 39° at Hermannstadt, 42° at Rado, Carrel and Craew, 44° at Leith, Shields, Lemberg and Moscow, and 45° at Haparanda and Warsaw.

In the course of the day the barometer fell a little in most places, and the portion of the anticyclone lying over Western Europe began to break up. No important change was observed, however, in the winds or weather.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for *Monday, 24th September 1888.*
Issued by the Meteorological Office, 116, Victoria Street, London. R.H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		W. other.	Sea (6 to 8.)	SHADE TEMP.			
				Dir.	Force. (0 to 12.)		Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	29.13	50	SW	6	O	29.05	- .71	38	87	+ 1	NW	6	O	*	50	28	0.20	
	Hernösand ...	29.29	50	S	8	O	29.58	- .25	42	41	- .2	NW	9	O	*	56	41	-	
	Stockholm ...	29.76	56	SW	4	O	29.75	- .25	55	47	0	N	4	O	*	68	48	-	
	Wisby ...	29.95	56	WSW	4	b	29.84	- .27	56	53	+ 1	WNW	4	O	*	61	50	-	
	Bodö ...	29.12	41	WNW	8	O	29.53	- .03	40	37	- 2	NW	6	O	*	46	37	0.15	
	Christiansund...	29.76	42	W	5	r	29.94	+ .10	44	41	- 4	W	6	O	7	54	39	0.47	
	Skudesnaes ...	30.04	54	SW	4	r	30.01	- .16	48	43	- 7	WNW	6	O	3	55	?	-	
	Christiana Fjord (Færdø)	29.85	59	WSW	5	b	29.86	- .19	51	51	- 1	N	4	O	4	59	57	-	
	Skagen (The Scow)	29.95	55	WNW	7	O	29.85	- .28	56	54	+ 2	WNW	6	O	5	57	52	-	
	Fanö ...	30.13	48	NW	1	O	30.01	- .24	54	52	+ 4	NW	2	O	*	59	46	-	
BRITISH ISLANDS.	Sumburgh Head	29.99	53	W	4	O	30.13	+ .08	42	39	- 11	N	1	O	2	55	38	0.05	
	Stornoway ...	30.11	56	Z	0	O	30.07	- .04	48	48	- 8	NE	6	O	6	57	46	0.10	
	Wick ...	30.08	68	W	1	O	30.14	+ .03	50	49	- 8	E	3	O	1	68	45	-	
	Nairn ...	30.09	60	WSW	1	b	30.08	- .05	51	50	- 5	ESE	2	O	2	68	49	0.05	
	Aberdeen...	30.10	49	NE	1	f	30.08	- .10	53	52	+ 3	N	1	opm	2	64	47	-	
	Leith ...	30.09	56	NW	1	b	30.06	- .14	49	49	+ 3	Z	0	O	*	62	45	-	
	Shields ...	30.09	52	E	1	f	30.03	- .17	49	49	+ 3	NE	1	O	2	59	42	-	
	Spurn Head ...	30.14	54	E	2	O	30.02	- .19	51	51	- 2	E	2	O	2	57	50	0.01	
	York ...	30.16	51	ESE	1	O	30.04	- .20	49	49	0	NE	1	O	*	53	47	0.02	
	Loughborough	30.13	57	WNW	1	b	30.01	- .22	52	52	+ 2	NE	1	O	*	65	49	0.01	
GERMANY.	Ardrossan ...	30.12	52	S	1	om	30.05	- .16	49	48	- 1	Z	0	O	0	54	44	-	
	Malin Head ...	30.14	51	E	1	O	30.06	- .15	54	53	+ 3	WNW	2	O	2	54	51	-	
	Mullaghmore ...	30.14	53	Z	0	m	30.07	- .13	51	48	+ 1	SW	1	om	1	54	50	-	
	Bolmullet ...	30.14	52	WSW	1	b	30.08	- .12	52	49	+ 2	S	1	O	*	53	50	-	
	Donaghadee ...	30.14	52	NE	2	f	30.06	- .15	52	51	+ 3	W	2	O	0	53	49	-	
	Barrow-in-Furness	30.11	57	NW	2	b	30.03	- .17	53	53	+ 2	SE	2	O	*	59	50	-	
	Liverpool (Bldston)	30.11	53	SE	2	b	30.03	- .18	52	51	+ 3	SE	1	O	1	59	49	-	
	Holyhead ...	30.11	56	NE	1	bm	30.03	- .16	54	53	+ 3	NE	3	om	2	58	51	-	
	Parsonstown ...	30.13	53	Z	0	b	30.08	- .12	49	49	- 3	Z	0	O	*	59	42	-	
	Valencia ...	30.09	57	WNW	1	bm	30.05	- .15	52	52	- 1	Z	0	O	0	65	45	-	
FRANCE & NETHERLANDS.	Roche's Point...	30.10	54	ESE	2	b	30.05	- .11	52	51	- 3	E	2	m	3	61	49	-	
	Pembroke ...	30.08	56	SE	2	m	30.00	- .17	53	52	+ 3	ESE	2	om	1	60	49	-	
	Scilly ...	30.06	58	Z	4	bm	29.96	- .14	57	55	- 2	NE	4	O	4	62	53	-	
	Prawle Point ...	30.07	56	ESE	3	O	29.94	- .21	58	58	+ 3	ESE	2	om	1	58	53	-	
	Jersey ...	30.01	64	ESE	2	b	29.95	- .16	63	61	+ 3	ESE	2	O	2	69	58	-	
	Hurst Castle ...	30.07	61	ESE	1	f	29.96	- .2	58	58	+ 5	NE	2	m	0	63	53	0.43	
	Dungeness ...	30.05	63	ESE	2	m	29.95	- .18	61	60	+ 3	S	2	O	2	67	52	-	
	London ...	30.10	57	Z	0	b	29.97	- .22	58	57	+ 4	E	1	O	*	60	50	0.01	
	Oxford ...	30.11	53	Z	0	f	29.99	- .22	53	53	+ 4	NE	1	O	*	57	49	0.02	
	Cambridge ...	30.13	50	N	1	O	29.98	- .23	54	53	0	NE	1	O	*	69	50	0.03	
PENIN-SULA.	Yarmouth ...	30.12	60	NNE	1	b	30.00	- .20	58	57	- 1	N	2	bm	2	62	51	0.01	
	Cuxhaven ...	30.21	56	NE	1	b	30.08	- .18	53	52	- 3	Z	0	O	*	60	50	-	
	Berlin ...	30.14	64	Z	0	b	30.04	- .21	51	49	- 2	Z	0	O	*	72	48	-	
	Wiesbaden ...	*	*	*	*	*	30.05	- .16	53	51	0	Z	0	O	*	72	48	-	
	Munich ...	30.19	54	NE	3	b	30.10	- .15	53	52	+ 5	SW	1	O	*	68	45	-	
	The Helder ...	30.12	60	E	1	b	30.02	- .17	50	55	- 2	E	1	O	1	64	54	-	
	Brussels ...	*	*	*	*	*	?	?	58	56	+ 1	Z	0	O	*	74	55	-	
	Cape Gris Nez...	30.07	61	?	3	m	29.96	- .18	65	62	+ 9	S	4	O	2	66	55	-	
	Paris ...	30.07	67	SE	1	b	30.02	- .11	61	59	+ 10	Z	0	O	*	80	?	-	
	Brest ...	30.02	62	ESE	4	r	29.99	- .10	59	57	+ 3	Z	0	m	2	70	41	0.12	

WEATHER CHARTS

for 8 a.m. on Monday, 24th September, 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isolines are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

- = forces above 10; → = forces 8 to 10;
- = forces 5 to 7; → = forces 1 to 4;
- = dead calm.

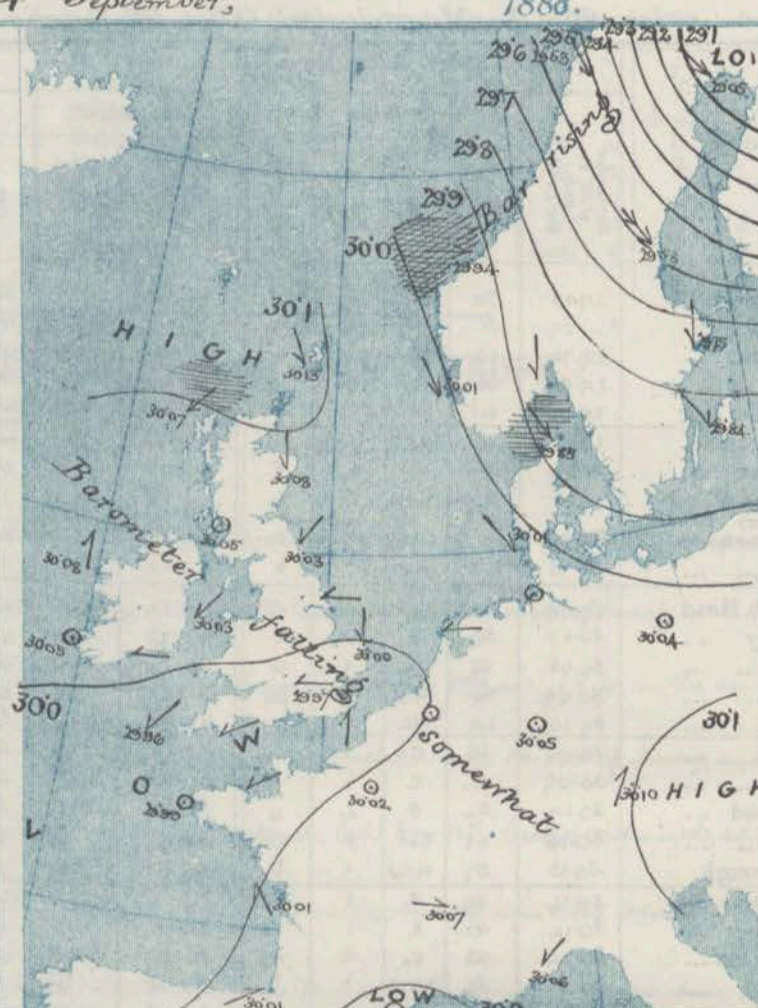
Sea Disturbance — where considerable is shown thus.

— Rough — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September
During the 15 Years 1871-1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.766
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.850
Donaghadee	29.869
Holyhead	29.834
Liverpool	29.809
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Scilly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

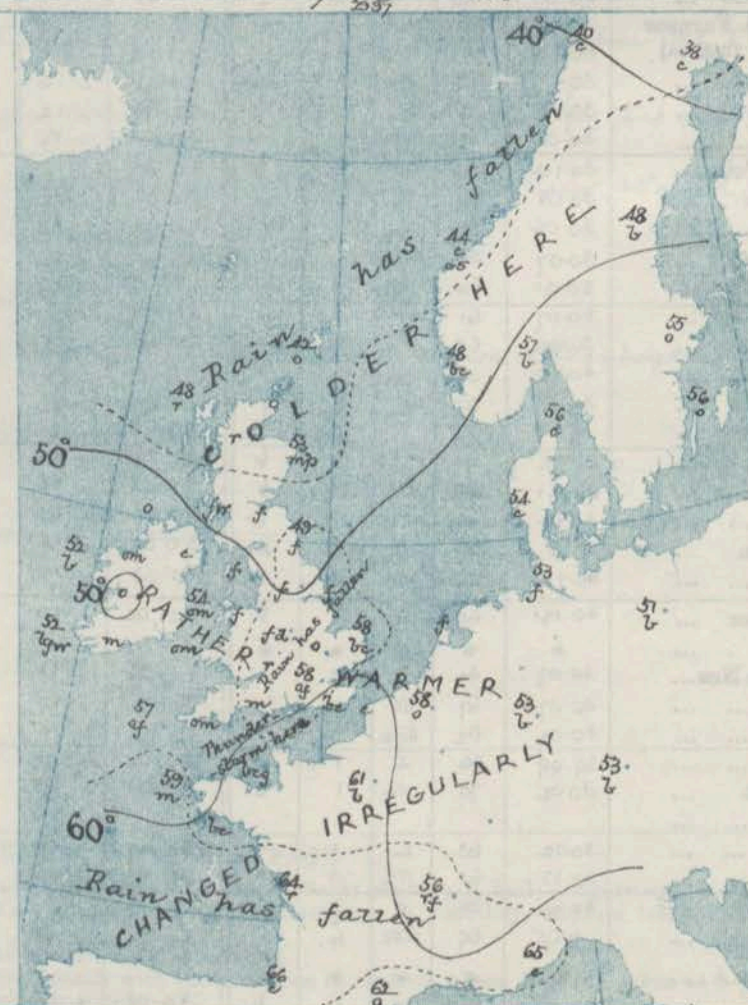
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	55.2	46.3	50.9	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	3.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.8	52.8	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.5	51.3	3.87
Donaghadee	59.6	48.8	53.8	52.1	3.23
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.5	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.3	4.39
Pembroke	60.2	53.1	56.2	53.8	3.89
Scilly	61.8	54.8	58.4	56.2	3.69
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	66.3	49.4	55.9	53.6	2.59
Oxford	68.8	49.1	54.2	53.3	2.91
Cambridge	65.8	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

NOTE — The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 10 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 in. to 30.14 in. over the British Islands and North Sea, as well as over Spain and Central France.
 Lowest, 29.95 in. to 30.00 in. in a shallow hollow lying over the Bay of Biscay and English Channel.
 29.90 in. to 29.80 in. over Eastern Lapland and Finland, where there is a large depression moving eastwards.
 Barometer steep over Sweden, very slight over the Islands and France.
 Barometer now rising Norway and north of Scotland, and also in Spain; falling slowly England and quickly over Baltic.

TEMPERATURE

Highest, 66° at Biarritz, 65° at Nams, 64° at Rochefort, 61° in Paris and at Dungeness, and 59° in London.
 Lowest, 38° at Haparanda, 40° at Rode, 42° at Sumburgh Head, 48° at Helsingfors, 54° at Stockholm, and 50° at Helsingfors, and 49° at Anderson, York and ...
 It is changing fitfully and irregularly, but is not low for time of year.

WIND

NW², moderate breeze to strong gale over Sweden, strong in Norway.
 Extremely light and variable over the British Isles — chiefly NE in the south.
 S and SW — moderate — in France — Calm over Germany.

WEATHER

Cloudy and unsettled in Scandinavia — fair over Germany and France.
 Wet fog, and in some places showers are reported over the British Isles, with close air, thunder at Hunt Castle.
 Some rain has fallen in the southeast and east.

SEA

Very rough in the far north, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

With the present distribution of pressure and the change now in progress it is probable that the weather over the British Islands will gradually become much less settled than it has been of late; some rain and thunder are probable in several places.

FORECASTS

For the 24 hours ending at NOON on 25th SEPT 1888.

DISTRICTS.

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

FORECASTS.

E² and SE² breezes, light; close, changeable, some rain locally.
 E² airs and calms; then SE² or S²; close, rain at times, thunder locally.

DISTRICTS.

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

FORECASTS.

Variable airs; fair, close, misty, becoming unsettled.

Same as No 3 and 5.

Same as No 6 and 7.

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.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnæs ...	30.14	55	54	SW 3	0 f	3	Holyhead ...	30.16	57	54	W 1	6 m	1
Sumburgh Head ...	30.11	57	57	W 3	r	3	Valencia ...						
Sternaøway ...							Scilly ...						
Aberdeen ...							Jersey ...	30.04	67	62	NE 3	c	3
Shields ...							Dungeness ...	30.09	66	62	ESE 3	m	2
Ardrossan ...							London ...						
Malin Head ...	30.18	52	51	SSE 2	0	1	Yarmouth ...						
Mullaghmore ...							Rocheport ...	30.31	77	70	SW 1	6	2
Belmullet ...	30.17	55	50	WSW 1	0	*							

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

The reports for yesterday morning showed that, while the highest pressures gave 30.3 ins. and upwards, were reported over the south of Russia and eastern Austria a long and broad band of high readings, 30.1 ins. and upwards, covered the whole of central and eastern Europe, together with the North Sea, the Netherlands and the greater part of the United Kingdom. The lowest pressures 29.6 ins. and less, were found in a well defined and rather deep depression which lay off the coast of Finmark, but a shallower area of low readings, 30.0 ins. and less, was reported over the north of Spain and the southwest of France. The wind was SW. over the Baltic, and W. in other parts of northern Europe. Over France and the south of our Islands however, it was E. and in Italy N.E. while over Spain, Algeria and central Europe it was light and variable. The weather remained fair generally, but in Scandinavia, the N. and N.W. of our Islands, and the south of France the sky was overcast, and at Christiansund and Sumburgh, rain was falling. Temperature had fallen a little over Russia, Denmark and the central parts of the United Kingdom but risen elsewhere; readings ranged from 80° and upwards, at some of the Algerian stations, and from 70° and upwards, in some parts of Spain and Italy, to 40° or less over Finland and Lapland. The highest individual readings were 86° at Biskra, 81° at Sfax, 80° at La Calle, 78° at Tunis, 75° at Malta, 73° at Algiers and 70° at Sanguinaire, Barcelona and Brindisi; the lowest were 35° at Ulsborg, 34° at Archangel and Haparanda, 40° at St. Petersburg, 41° at Kuopio, 42° at Bodo, and 44° at Lemberg and Nicolaieff. In the course of the day a deep depression advanced over the extreme north of Scandinavia, and severe W. gales were reported in that region. The barometer fell generally, and a small shallow disturbance moved north-eastward over France, so that the weather showed signs of breaking up.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 16TH TO THE 22ND SEPTEMBER, 1888.

The weather of the past week has been finer and drier than any experienced for a very long time past. At the commencement of the time some shallow V-shaped depressions which had passed across our Islands at the close of the previous week were travelling away over the North Sea and dispersing. An anticyclone now appeared off our west coasts and extended quickly eastwards, and for the remainder of the time a long band of high pressure, varying slightly in breadth and in position, stretched across our Islands the North Sea and the south of Scandinavia to the Baltic and central Europe. On our extreme north coasts the wind was therefore SW. but at our southern and the French stations it was E. or NE. The weather was fine and dry generally, but fog and mist were very prevalent over our more central districts. On the 21st a large depression travelled eastwards across the north of Scandinavia, occasioning rain in many parts of that Peninsula, and a strong W. gale in Norway, and at the close of the time a second disturbance was advancing in a similar direction. Beyond causing a little rain in the extreme north of Scotland these systems had no effect upon the weather of our Islands. Temperature has been upon the whole slightly above the average, and over the central parts of Great Britain the thermometer has occasionally reached 70°.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Tuesday, 25th September 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R.H. SCOTT, Secretary.

Issued by the Meteorological Office, No. 1, Victoria Street, London, W. 1, England.																		
STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.	
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 2.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.65	33	N	2	b	29.79	+ .74	30	30	- 8	WNW	2	b	*	18	28	-
	Hernösand ...	29.86	41	W	4	b	30.01	+ .43	37	34	- 11	NW	2	b	*	59	?	0.28
	Stockholm ...	29.82	49	NE	2	o	29.89	+ .14	41	39	- 14	N	6	b	*	61	?	0.89
	Wisby ...	29.81	55	NW	4	r	29.80	- .04	49	44	- 7	NNE	6	r	*	?	82	-
	Bodö ...	29.81	37	NW	2	bc	29.79	+ .26	36	35	- 4	SSW	4	o	2	?	34	0.32
	Christiansund...	30.07	39	NW	4	bc	30.10	+ .16	41	37	- 3	WSW	6	c	5	?	45	-
	Skudesnaes ...	30.01	45	NW	4	bc	30.15	+ .14	44	40	- 4	NW	4	b	2	?	48	-
	Christiania Fjord (Færd)	29.85	51	NE	4	o	30.10	+ .24	44	39	- 13	NNE	6	b	4	61	46	-
	Skagen (The Scaw)	29.77	53	ESE	3	o	30.04	+ .19	48	43	- 8	NE	4	b	*	59	46	-
	Fanö ...	29.90	52	NW	4	c	30.00	- .01	50	47	- 4	NE	3	b	*	?	?	-
	Sumburgh Head	30.20	40	NNE	1	o	30.29	+ .16	43	37	+ 1	2	o	bc	1	45	34	-
	Stornoway ...	30.16	48	NE	6	o	30.25	+ .18	45	43	- 3	E	3	bc	3	49	37	0.02
	Wick ...	30.18	46	E	3	o	30.32	+ .18	45	43	- 5	SE	2	c	1	50	40	-
	Nairn ...	30.16	45	E	2	r	30.29	+ .21	42	40	- 9	2	o	o	1	51	38	0.08
	Aberdeen...	30.16	46	NW	2	o/p	30.29	+ .28	43	41	- 10	WNW	1	o	4	54	38	0.04
	Leith ...	30.06	50	E	3	o	30.25	+ .19	46	43	- 3	E	2	o	*	54	45	0.01
	Shields ...	30.03	51	NE	2	f.d.	30.22	+ .19	49	47	0	NE	4	o	4	52	47	0.03
	Spurn Head ...	29.94	51	NNE	4	r	30.12	+ .10	52	48	+ 1	NNE	6	o	5	58	48	0.34
	York ...	29.99	51	NE	1	o	30.18	+ .14	50	47	+ 1	NNE	2	o	*	53	48	-
	Loughborough	29.96	52	NNE	3	o	30.10	+ .09	50	49	- 2	NE	3	o	*	53	50	0.38
	Ardrossan ...	30.02	54	NE	4	om	30.24	+ .19	46	42	- 3	NE	4	bm	2	60	45	-
	Malin Head ...	30.03	54	NNE	3	o	30.18	+ .12	50	48	- 4	SE	4	o	3	56	49	-
	Mullaghmore ...	30.01	56	N	4	om	30.15	+ .08	52	49	+ 1	E	5	o	4	58	50	-
	Belmullet ...	30.06	55	ENE	1	r	30.11	+ .03	52	50	0	E	4	o	*	58	51	0.02
	Donaghadee ...	30.00	53	NE	2	f	30.18	+ .12	50	47	- 2	ENE	5	c	3	55	50	-
	Barrow-in-Furness	29.95	53	NE	3	o	30.16	+ .13	49	47	- 4	NE	3	c	*	59	47	-
	Liverpool (Bidston)	29.96	53	NW	1	o	30.13	+ .10	50	47	- 2	ENE	5	o	3	56	50	-
	Holyhead ...	29.97	54	NNE	3	m	30.09	+ .06	54	51	0	E	5	o	4	55	52	0.01
	Parsonstown ...	30.01	54	2	o	o	30.08	.00	53	52	+ 4	NE	2	o	*	55	48	-
	Valencia ...	30.00	55	NNE	2	bm	30.05	.00	52	51	0	2	o	om	0	65	44	-
	Roche's Point...	29.98	55	N	3	cm	30.04	- .01	52	50	0	NNE	2	m	3	59	46	-
	Pembroke ...	29.95	55	NNE	3	c	30.01	+ .01	54	52	+ 1	ENE	4	c	2	59	52	-
	Scilly ...	29.92	57	N	4	cm	29.98	+ .02	58	54	+ 1	N	2	cm	3	60	55	-
	Prawle Point ...	29.89	61	ENE	1	o	29.99	+ .05	54	54	- 4	ENE	5	ogm	3	63	52	0.02
	Jersey ...	29.90	64	WNW	1	c	29.96	+ .01	60	59	- 3	2	o	omp	0	69	57	0.02
	Hurst Castle ...	29.89	63	NW	2	c	29.98	+ .02	56	55	- 2	NE	3	o	0	68	55	-
	Dungannon ...	29.88	62	SW	1	c	29.93	- .02	56	55	- 5	N	2	o	1	71	55	-
	London ...	29.90	63	NW	1	cg	29.96	- .01	58	57	0	ENE	2	ogr	*	68	54	0.03
	Oxford ...	29.95	58	NE	2	r	30.03	+ .04	53	53	0	NE	8	p	*	39	52	0.46
	Cambridge ...	29.91	60	N	1	o	30.04	+ .06	53	52	- 1	NE	2	r	*	66	52	0.05
	Yarmouth ...	29.89	60	SE	1	bc	30.02	+ .02	55	53	- 3	NE	6	cg	6	62	53	0.24
	Cuxhaven ...	29.99	53	N	3	c	30.02	- .06	56	53	+ 3	N	4	c	*	58	52	-
	Berlin ...	29.87	64	2	o	b	29.89	- .15	55	53	+ 4	NW	2	o	*	72	48	-
	Wiesbaden ...	*	*	*	*	*	29.91	- .14	56	54	+ 3	SE	1	bc	*	70	52	-
	Munich ...	29.97	58	?	1	bc	29.94	- .16	58	57	+ 5	SW	2	r	*	70	?	0.04
	The Helder ...	29.93	60	ENE	1	r	30.01	- .01	55	53	- 1	NE	4	r	3	61	55	-
	Brussels ...	*	*	*	*	*	29.95	?	57	56	- 1	ENE	5	o	*	73	57	0.47
	Cape Gris Nez...	29.89	62	E	1	bc	29.91	- .05	58	58	- 7	N	3	f	2	13	57	-
	Paris ...	29.90	65	SE	1	c	29.94	- .08	59	59	- 2	2	o	o	*	80	58	0.39
	Brost ...	30.02	57	N	1	m	? 30.02	+ .03	56	56	- 3	NW	3	m	2	70	?	-
	Lorient ...	29.93	64	WSW	3	o	29.95	- .00	60	59	0	NW	3	c	2	70	59	-
	Rochefort ...	29.99	67	WNW	5	bc	30.03	+ .02	64	63	0	WNW	1	bc	2	79	50	0.08
	Belfort ...	30.01	64	S	1	c	29.97	- .10	61	60	+ 5	W	1	o	*	74	55	0.04
	Lyons ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
	Nice ...	29.96	62	SW	3	c	29.92	- .14	57	56	- 8	ENE	3	b	0	75	54	0.24
	Perpignan ...	29.95	64	SE	3	o	30.03	+ .06	63	60	+ 1	NW	3	b	*	77	59	-
	Biarritz ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
	Lisbon ...	30.01	66	SW	4	o	29.99	- .09	65	64	+ 5	SSW	3	bc	2	72	?	-

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on

Tuesday, 25th September.

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10, → = forces 8 to 10,
 → = forces 5 to 7, → = forces 1 to 4,
 ○ = dead calm.

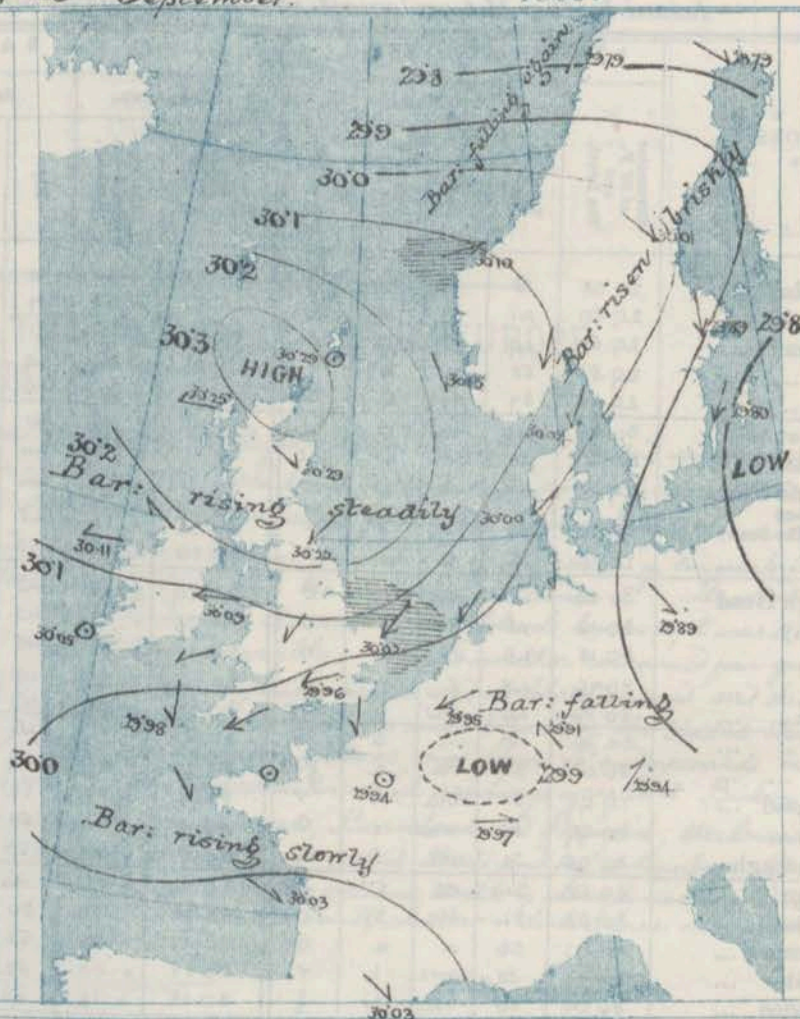
Sea Disturbance — where considerable is shown thus: *

— = Rough — = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September
 During the 15 Years 1871 — 1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.766
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.850
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Scilly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	55.2	46.3	50.9	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.6	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.5	51.3	3.87
Donaghadee	53.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.6	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	53.1	56.2	53.8	3.89
Scilly	61.8	54.8	58.4	56.2	3.69
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.3	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	66.3	49.4	55.9	53.6	2.59
Oxford	65.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

NOTE — The Temperature means are for the 16 years 1871 — 85, the Rainfall means are mainly those for the 20 years 1866 — 85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in: to 30.32 in in an anticyclone lying over Scotland and neighbouring islands.
Lowest, 29.5 in: and less, in a large depression lying over the Baltic, and also over Lapland.
30.0 in: and less, in shallow disturbances over the Channel, Belgium and north of France.
Moderate in south-east, rather sharp over the Baltic, moderate to fair north; slight over the west and north of our islands.
Barometer rising except in the extreme north, where it is beginning to fall again.

TEMPERATURE

Highest, 65° at Lisbon, 61° to 64°, in the south and south-west of France, 60° at Jersey, 58° in London and at Cambridge.
Lowest, 30° at Haparanda, 36° at Rode, 37° at Hovsund, 43° at Lumburg, 44° at Aberdeen, and 45° at Shields.
It has fallen fast in Scotland and over Scandinavia since yesterday, slightly over the north of France and south of England.

WIND

NW, light, over the Bay of Biscay — NE, moderate to fresh over Ireland and England.
N, moderate in Denmark and south of Norway — strong over the Baltic.
NW to SW over the north of Scandinavia, and is strong at Christiansund.
In the north of Scotland, calms prevail.

WEATHER

Fine and bright over Scandinavia — fair as a whole in Scotland.
Drill over Ireland and England, with rain over the southeastern and southern midland counties.
Thunderstorms (not severe) have occurred in the south, rain in the north and north-east.

SEA

Rough on our east coast, and in the far north, moderate in the northwest, slight or smooth in the southwest and south.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The backing of the wind in the north of Norway, with a renewed barometric fall seems to show that a new large depression is approaching Norway from the north-westward. This will probably disturb the weather on our north and north-east coasts; and, by causing a Sth motion of the anticyclone now lying over Scotland produces fine, but very cold, weather over England and Ireland tonight with fog locally.

FORECASTS

for the 24 hours ending at NOON on 26th SEPT

1888.

DISTRICTS.

FORECASTS.

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

Calms and fair weather, followed by NWth winds and cold rain. Unsettled.
NEth winds, moderate to light; weather improving, very cold tonight.
NEth winds, moderate to light, with rain, then finer and colder.

DISTRICTS.


FORECASTS.


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

Same as N^o 0 to 2.
NEth winds, moderate, showery to fair, cold.
NEth and Eth winds, fair, cold, and perhaps foggy tonight.

WARNINGS

NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.98	51	45	N.W. 6	C	3	Holyhead ...	29.99	54	53	N.E. 3	m	2
Sumburgh Head ...	30.17	45	40	N.E. 1	C	2	Valencia ...	30.02	62	57	N 2	b.m	2
Stornoway ...	30.12	48	46	N.E. 6	O	6	Scilly ...	29.93	59	56	N.E. 3	o.m	4
Aberdeen ...	30.11	49	48	N.E. 4	o.m.p.d.	4	Jersey ...	29.91	67	63	N 1	C	1
Shields ...	30.02	51	50	N.E. 2	b. 2	2	Dungeness ...	29.91	70	64	SW 1	b.c	1
Ardrossan ...	30.00	59	54	N.E. 2	C	1	London ...	29.91	66	64	N 0	C	*
Malin Head ...	30.03	66	65	N 2	b.c	2	Yarmouth ...	29.92	62	60	E 2	b.c	2
Mullaghmore ...	30.04	67	54	N.W. 2	o.m.	2	Rocheport ...	29.98	51	45	N.W. 6	C	3
Belmullet ...	30.07	55	52	N.W. 1	O	*							

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

The reports for yesterday morning showed that while the highest pressures of all 30.2 ins. and upwards were found in the neighbourhood of the Black Sea, a large anticyclone in which readings exceeded 30.1 ins. covered the whole of Austria, Turkey, the eastern portion of Italy and the south of Russia. To the northward of the British Isles there was a smaller high-pressure system with similar readings. The lowest pressures 29.1 ins. and less were found in a deep depression the centre of which was moving across Lapland, but a small shallow disturbance was also lying over the English Channel. Strong N.W. gales were reported over Finland and the Gulf of Bothnia, and moderate to fresh breeze from the same quarter over Scandinavia generally. Over England, however, as well as in Italy and the north of France, light or moderate breeze from E. or NE were reported, while in other parts of the Continent the wind was somewhat variable. Rain was falling in many parts of Great Britain and France, as well as at Archangel, but elsewhere the weather was mostly fair. Temperature had fallen somewhat over Scandinavia and the north of our Islands, and risen over northern Russia, but in other regions the changes were slight and irregular, readings ranged from 75° and upwards at some of the Algerian stations, and 70° and upwards over southern Italy to 40° or less in Lapland. The highest individual readings were 81° at Sfax, 78° at Biskra, 77° at La Galle, 73° at Sanguinac and Algiers, and 72° at Khiridi, Cagharis and Malta; the lowest were 38° at Kaparanda, 40° at Bodo, 42° at Sumburgh Head, 43° at Uleaborg and Prague, 44° at Christiansund and Moscow, and 45° at Carrel.

In the course of the day the shallow depression over the English Channel moved slowly northeastwards, and occasioned thunderstorms at several of our southern and southeastern stations. In the meantime pressure increased slowly on our northern coast, and the anticyclone there showed signs of extending southwards.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Wednesday 26th SEPT 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea 0 to 24.	SHADE TEMP.			
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	29.65	110	W	2	c	29.69	- .10	35	35	+ .9	NW	2	l	*	45	23	—	
	Hernösand ...	29.94	113	NNE	6	0	29.97	- .04	43	43	+ .11	NW	6	c	*	50	32	—	
	Stockholm ...	30.09	110	Z	0	f	30.11	+ .22	43	34	+ .2	WSW	4	c	*	48	37	—	
	Wisby ...	30.13	116	NNE	4	b	30.21	+ .11	49	42	0	N	4	c	*	57	43	0.04	
	Bodö ...	29.67	111	WSW	6	0	29.82	+ .08	42	34	+ .6	WSW	6	c	3	?	36	0.16	
	Christiansund...	30.19	116	WSW	5	r	30.17	+ .07	47	46	+ .6	WSW	9	r	6	47	43	0.35	
	Skudesnaes ...	30.27	116	NNW	4	b	30.34	+ .19	49	44	+ .5	NNW	4	c	3	52	45	—	
	Christiania Fjord (Fjord)	30.16	50	WSW	3	b	30.21	+ .11	47	43	+ .3	NNW	2	b	1	50	46	—	
	Skagen (The Scaw)	30.17	113	W	1	b	30.22	+ .18	46	44	- .2	WSW	2	b	2	52	41	—	
	Fanö ...	30.26	115	E	3	b	30.37	+ .37	50	48	0	Z	0	c	*	57	37	—	
BRITISH ISLANDS.	Sumburgh Head	30.34	111	Z	0	b	30.34	+ .05	46	42	+ .3	SW	1	c	1	45	37	—	
	Stornoway ...	30.25	116	Z	0	b	30.32	+ .07	46	45	+ .1	Z	0	o	2	52	33	—	
	Wick ...	30.32	116	SE	3	b	30.35	+ .03	46	44	+ .1	SE	3	b	1	54	44	—	
	Nairn ...	30.31	113	E	1	b	30.36	+ .07	35	34	- .7	Z	0	bm	1	53	28	—	
	Aberdeen...	30.36	116	E	1	b	30.41	+ .1	47	43	+ .4	S	1	o	2	49	43	—	
	Leith ...	30.33	115	E	2	0	30.36	+ .11	49	45	+ .3	E	2	o	*	50	45	—	
	Shields ...	30.25	50	NE	2	0	30.32	+ .10	52	57	+ .3	E	2	c	3	52	47	0.07	
	Spurn Head ...	30.23	56	NNE	4	0	30.29	+ .17	56	53	+ .4	NE	4	b	4	58	49	—	
	York ...	30.27	50	E	1	0	30.32	+ .14	49	47	- .1	ENE	1	o	*	55	42	—	
	Loughborough	30.22	50	NE	2	0	30.30	+ .20	43	42	- .7	Z	0	omv	*	54	37	—	
GERMANY.	Ardrossan ...	30.28	117	NE	3	b	30.33	+ .09	46	43	0	NE	2	c	1	54	41	—	
	Malin Head ...	30.22	57	SSE	3	0	30.28	+ .10	48	46	- .2	SSE	4	omv	3	53	46	—	
	Mullaghmore ...	30.20	52	E	5	c	30.24	+ .08	50	48	- .1	E	5	omv	4	56	48	—	
	Belmullet ...	30.16	51	ESE	5	0	30.19	+ .08	52	49	0	ESE	6	o	*	57	51	—	
	Donaghadee ...	30.26	52	E	4	c	30.30	+ .14	50	47	0	E	3	c	2	55	49	—	
	Barrow-in-Furness	30.24	50	NE	2	b	30.30	+ .14	44	42	- .5	NE	1	b	*	55	41	—	
	Liverpool (Bidston)	30.23	51	E	3	b	30.31	+ .18	45	43	- .2	E	1	b	2	55	42	—	
	Holyhead ...	30.18	52	E	4	b	30.26	+ .17	49	47	- .5	E	2	b	2	56	47	—	
	Parsonstown ...	30.23	54	Z	0	0	30.22	+ .13	53	50	0	SE	2	c	*	56	52	—	
	Valencia ...	30.26	57	ESE	1	omv	30.10	+ .05	59	57	+ .7	ESE	5	o	5	59	51	—	
FRANCE & NETHERLANDS.	Roche's Point...	30.17	53	ESE	5	0	30.15	+ .11	58	56	+ .6	SE	5	o	4	59	50	—	
	Pembroke ...	30.12	54	E	3	0	30.21	+ .20	52	49	- .2	E	4	c	2	59	51	—	
	Scilly ...	30.03	58	E	6	omv	30.12	+ .14	57	56	- .1	ESE	6	omv	5	60	50	0.01	
	Prawle Point ...	30.04	54	ENE	4	0	30.10	+ .21	53	51	- .1	ENE	4	ag	3	60	51	—	
	Jersey ...	30.14	60	NNE	2	agm	30.14	+ .18	60	59	0	ENE	3	adm	3	63	59	0.06	
	Hurst Castle ...	30.10	56	NE	5	omv	30.21	+ .23	53	52	- .3	NE	3	c	2	63	52	0.04	
	Dungeness ...	30.04	57	ENE	6	0	30.16	+ .23	59	56	+ .3	ENE	5	c	4	60	56	0.40	
	London ...	30.14	54	E	3	0	30.23	+ .27	52	50	- .6	NE	1	agm	*	58	49	0.18	
	Oxford ...	30.21	50	NE	3	c	30.27	+ .24	47	45	- .6	NE	1	og	*	53	45	0.05	
	Cambridge ...	30.25	52	N	1	0	30.28	+ .24	50	48	- .3	ENE	1	b	*	58	41	—	
PENIN. SULA.	Yarmouth ...	30.16	54	NE	5	c	30.25	+ .23	54	50	- .1	ENE	5	b	4	56	51	—	
	Cuxhaven ...	30.19	50	E	5	b	30.35	+ .33	52	49	- .4	E	3	b	*	57	50	—	
	Berlin ...	30.14	52	NNE	4	b	30.21	+ .42	48	44	- .7	FNE	3	b	*	63	45	—	
	Wiesbaden ...	*	*	*	*	*	30.12	+ .21	56	53	0	SE	1	b	*	70	50	—	
	Munich ...	30.06	55	SW	3	0	30.16	+ .22	54	53	- .4	SW	1	o	*	61	50	—	
	The Helder ...	30.16	57	ENE	4	b	30.28	+ .27	52	48	- .3	E	4	b	3	57	52	—	
	Brussels ...	*	*	*	*	*	30.19	+ .24	49	47	- .8	NNE	3	c	*	61	48	—	
	Cape Gris Nez...	30.04	54	ENE	8	0	30.15	+ .24	57	55	- .1	ENE	5	b	4	63	54	0.04	
	Paris ...	30.03	62	N	1	c	30.13	+ .19	56	55	- .3	NNE	1	o	*	68	56	—	
	Brest ...	30.06	59	SW	1	m	30.13	+ .11	57	56	+ .1	E	4	o	4	70	?	—	
FRANCE & NETHERLANDS.	Lorient ...	30.02	63	W	1	b	30.13	+ .18	58	58	- .2	E	4	f	5	68	57	—	
	Rochefort ...	30.07	66	NNW	3	b	30.13	+ .10	59	59	- .5	ENE	1	b	2	73	55	—	
	Belfort ...	29.93	61	W	1	0	30.12	+ .15	61	60	0	W	1	o	*	65	54	0.24	
	Lyons ...	30.02	64	N	1	0	30.11	+ .1	58	55	0	N	1	b	*	71	54	—	
	Nice ...	29.87	66	ENE	3	b	29.99	+ .07	63	60	+ .6	E	8	b	0	73	?	—	
	Perpignan ...	30.01	65	Z	0	c	30.07	+ .04	60	59	- .3	S	3	b	*	81	57	—	
	Biarritz ...	29.94	70	E	3	0	30.07	+ .07	65	64	0	SSE	3	o	1	75	63	—	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	—	
Lisbon ...	30.01	68	SSW	4	b	30.05	+ .06	66	65	+ .1	SSE	4	o	5	73	64	—		

WEATHER CHARTS

for 8 a.m. on WEDNESDAY, 26th September

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10; →→ = forces 8 to 10;
→→ = forces 5 to 7; → = forces 1 to 4;
○ = dead calm.

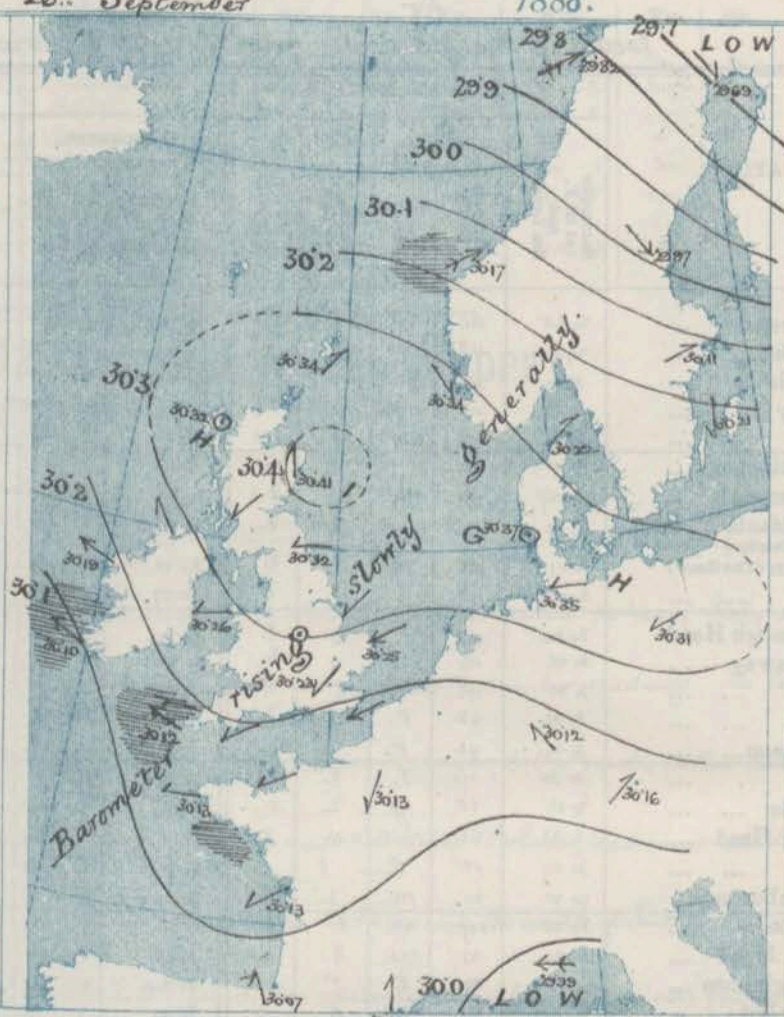
Sea Disturbance — where considerable is shown thus.

■ = Rough ■ = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September.
During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.706
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.850
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Scilly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

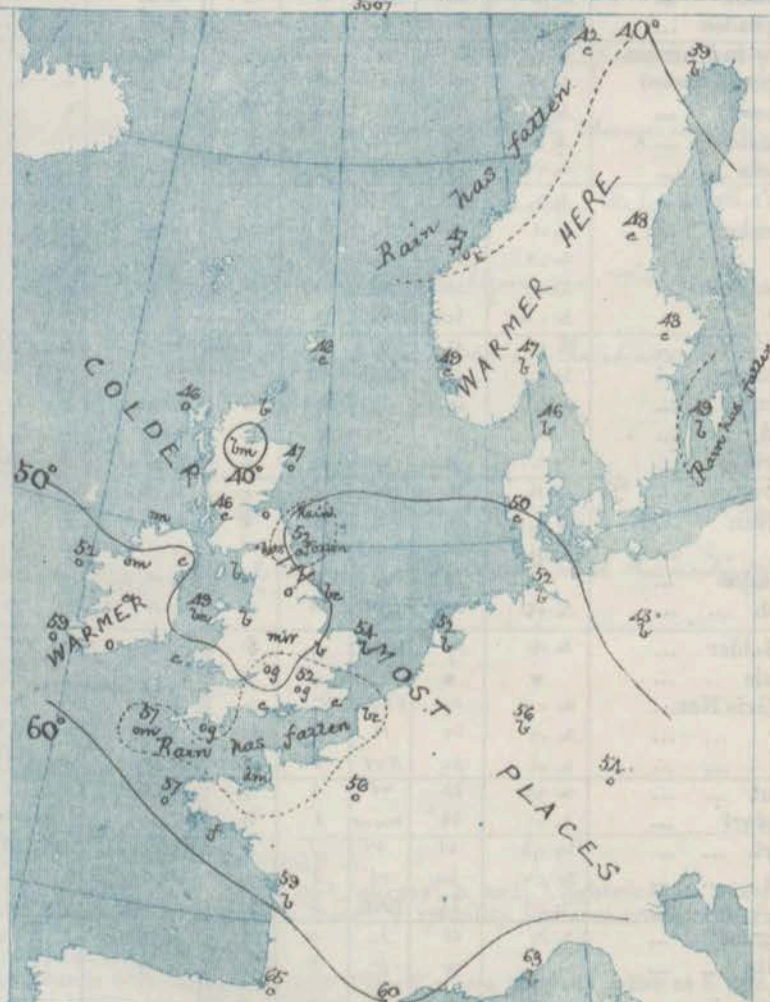
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of September.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	55.2	48.3	50.9	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.5	51.3	3.87
Donaghadee	59.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.5	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	53.1	56.2	53.8	3.89
Scilly	61.8	54.8	58.4	56.2	3.60
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	66.8	49.4	55.9	53.6	2.59
Oxford	63.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

NOTE — The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 20 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.3 to 30.4 ins. in an anticyclonic system lying over the northern half of St. Britain, the North Sea, Denmark and north Germany. Lowest 29.7 ins. and less over Lapland; 30.0 ins. and less over the Gulf of Genoa; 30.1 at Valencia. Gradients very slight within the central area of the anticyclone; moderate on its northeast sides, slight in the southwest and south. Barometer rising generally, but slowly in most places.
TEMPERATURE	Highest 66° at Lisbon, 65° at Biarritz, 63° at Nice, 59° at Valencia and Dungeness. Lowest 35° at Naïm, 39° at Haparanda, 42° at Bodø, 43° at Stockholm and Loughborough, 45° at Burrow, 47° at Aberdeen. Minima were recorded in the screen during the night as low as 23° at Haparanda, 28° at Naïm, and 34° at Loughborough.
WIND	Strong to a gale from WSW in the northwest of Norway, and from E at Nice. Light and variable from E and over Germany and France — moderate NE ⁴ to E ⁴ over England. Fresh SE ⁴ over Ireland — calm over Scotland.
WEATHER	Rainy at Christiansund — fair generally elsewhere. Sky is overcast or cloudy in most places — clear over north Germany and the Netherlands. Rain fell yesterday in the southern parts of England and many parts of Scandinavia.
SEA	Rough at Christiansund, rather rough off our southwestern coasts, moderate in the Channel as well as at Shields and Mullaghmore, slight or smooth elsewhere.



PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is at present no indication of any important change.

FORECASTS

for the 24 hours ending at NOON on 27th September 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	Calms and varying airs; cold, fog in places.	6 { SCOTLAND WEST	SE ⁴ and E ⁴ breezes, light; fine.
1 { SCOTLAND EAST		7 { ENGLAND N. W.	
2 { ENGLAND N. E.	NE ⁴ breezes, light or moderate; fair generally, cold at night.	8 { ENGLAND S. W.	E ⁴ breezes, fresh or moderate; fair.
3 { ENGLAND EAST		9 { IRELAND NORTH	SE ⁴ breezes, fresh to light; fair. Cold inland at night.
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.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.23	51	42	NW 5	bc	3	Holyhead ...	30.46	56	51	E 6	bm	5
Sumburgh Head ...	30.34	45	40	Z 0	bc	1	Valencia ...	30.07	57	53	ESE 2	cm	3
Stornoway ...	30.28	52	47	SW 3	b	3	Scilly ...	30.02	57	50	ESE 5	cm	4
Aberdeen ...	30.35	48	42	ENE 2	c	4	Jersey ...	30.02	61	59	N 2	o	2
Shields ...	30.27	51	44	NE 2	o	3	Dungeness ...	30.00	57	57	NE 4	r	4*
Ardrossan ...	30.25	54	47	NE 4	b	2	London ...	30.40	54	53	ENE 3	og	4
Malin Head ...	30.22	53	44	ENE 5	b	3	Yarmouth ...	30.73	56	52	NE 6	co	5
Mullaghmore ...	30.18	56	51	E 5	cm	4	Rochefort ...	30.07	72	66	WNW 5	c	2
Belmullet ...	30.15	56	53	ENE 5	o	*							

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

The reports for yesterday morning showed that pressure was highest (30.3 ins. and upwards) in a small anticyclone lying over the extreme north of Scotland, and high (30.1 ins. and upwards) over the south of Russia. The lowest readings (29.6 ins. and less) were found in a depression lying in the neighbourhood of the White Sea, but a secondary disturbance with readings below 29.7 ins. was reported over the Gulf of Riga, while very shallow disturbances were found over the English Channel and the northeast of France. The wind was W. in the north of Scandinavia, and NW. or N. over Sweden, Denmark and north Germany, as well as in the south of France. Over the southern parts of the United Kingdom however, it was chiefly NE., while on the southern shores of the Baltic it was W. or SW. Rain was falling in the southeast of England as well as at several of the Baltic stations, and a thunderstorm was in progress at Carlruhe, but elsewhere the weather was generally fair. Temperature had risen a little over central and southern Europe, fallen elsewhere, and readings ranged from 75° or upwards in some parts of Algeria (the Spanish and Italian reports were nearly all missing) to a little below 32° in Lapland. The highest individual readings were 79° at Juss and Biskra, 72° at Barcelona and La Lolla, 71° at Sanguinaire, 69° at Croisette and Algiers, and 68° at Lesina and Aumale; the lowest were 30° at Haparanda, 32° at Uleaborg, 35° at Archangel, 36° at Porto, 37° at Hernösand, 40° at Kuopio, and 41° at Stockholm and Christiansund.

In the course of the day the small depressions over the Channel and France dispersed, while the anticyclone in the north extended southwards. The weather in the southeast therefore improved somewhat, but the sky remained cloudy throughout the greater part of the day.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for *Thursday, 27th September 1888.*
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 3.)	SHADE TEMP.			
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	29.70	40	Z	0	7	29.46	- 23	42	42	+ 3	W	2	0	+	48	32	0.08	
	Hernösand ...	30.02	47	NW	4	60	29.78	- 19	47	41	- 1	SW	6	0	*	53	41	-	
	Stockholm ...	30.02	46	Z	0	6	29.96	- 15	45	43	+ 2	SW	2	0	*	?	36	-	
	Wisby ...	30.20	53	WNW	4	6	30.10	- 11	49	46	0	W	4	0	*	54	43	-	
	Bodö ...	29.69	44	WSW	8	7	29.61	- 21	41	38	- 1	W	6	0	3	43	39	0.83	
	Christiansund...	30.10	47	WSW	5	7	29.93	- 24	48	49	+ 1	WSW	8	7	5	48	45	0.87	
	Skudesnaes ...	30.33	49	NW	2	0	30.20	- 14	50	46	+ 1	Z	0	0	2	52	48	-	
	Christiania Fjord (Fjorder)	30.17	51	SW	2	6	30.04	- 17	47	42	0	NW	2	6	1	54	46	-	
	Skagen (The Scaw)	30.18	46	Z	0	6	30.05	- 17	50	47	+ 4	WNW	4	6	3	54	41	-	
	Fanö ...	30.33	50	WNW	3	0	30.26	- 11	51	47	+ 1	WNW	2	0	*	55	45	-	
BRITISH ISLANDS.	Sumburgh Head	30.29	46	Z	0	0	30.20	- 14	49	48	+ 3	Z	0	0	0	50	44	-	
	Stornoway ..	30.31	48	SW	3	0	30.23	- 09	42	42	- 4	Z	0	0	2	52	34	-	
	Wick ...	30.31	48	Z	0	6	30.24	- 11	47	44	+ 1	NW	1	0	0	53	37	-	
	Nairn ...	30.34	48	E	1	6	30.25	- 11	41	40	+ 6	Z	0	om	1	56	34	-	
	Aberdeen...	30.35	50	SSE	1	0	30.27	- 14	44	43	- 3	W	1	om	2	52	42	0.01	
	Leith ...	30.32	52	E	2	0	30.25	- 11	49	48	0	Z	0	0	*	52	44	-	
	Shields ...	30.32	54	SE	3	0	30.27	- 05	47	45	- 5	SW	1	0	2	57	42	-	
	Spurn Head ...	30.30	54	E	3	0	30.29	- 00	56	51	0	ENE	4	0	3	58	51	-	
	York ...	30.32	54	E	1	0	30.28	- 04	50	47	+ 1	E	1	60	*	62	43	-	
	Loughborough	30.29	53	ENE	1	6	30.27	- 03	42	41	- 1	NNE	1	bum	*	65	36	-	
GERMANY.	Ardrossan ...	30.27	50	NE	2	bm	30.23	- 10	50	49	+ 4	NE	2	om	1	59	46	-	
	Malin Head ...	30.23	53	SSE	2	6	30.18	- 10	50	49	+ 2	S	2	bm	1	56	48	-	
	Mullaghmore ...	30.22	55	ESE	4	bm	30.15	- 09	50	49	0	E	5	bm	3	58	48	-	
	Belmullet ...	30.18	56	SE	1	0	30.10	- 09	53	51	+ 1	ESE	5	be	*	61	50	-	
	Donaghadee ...	30.27	53	E	2	6	30.22	- 10	53	51	+ 3	E	2	6	1	65	50	-	
	Barrow-in-Furness	30.26	55	E	2	0	30.24	- 06	48	46	+ 4	NNE	1	6	*	59	44	-	
	Liverpool (Bilston)	30.27	55	ESE	2	60	30.24	- 07	49	46	+ 1	SE	1	6	2	59	46	-	
	Holyhead ...	30.24	52	NW	1	6	30.19	- 07	54	52	+ 5	Z	0	bm	0	60	49	-	
	Parsonstown ...	30.11	56	SE	1	60	30.12	- 10	55	53	+ 2	SE	1	0	*	62	44	-	
	Valencia ...	30.10	59	E	4	ogm	29.96	- 14	61	59	+ 2	E	4	og	5	61	57	0.04	
FRANCE & NETHERLANDS.	Roche's Point...	30.16	57	SE	5	0	30.08	- 10	58	57	0	SE	6	0	4	59	57	-	
	Pembroke ...	30.21	55	E	3	0	30.14	- 07	55	52	+ 3	ESE	4	0	3	58	51	-	
	Scilly ...	30.14	58	ESE	6	om	30.07	- 08	58	57	+ 1	SE	6	om	5	59	44	0.01	
	Prawle Point ...	30.20	57	ENE	4	0	30.16	- 04	55	55	+ 2	ENE	5	ogm	3	60	46	-	
	Jersey ...	30.16	61	ENE	3	bm	30.16	+ 02	60	59	0	ENE	2	bm	2	66	57	0.01	
	Hurst Castle ...	30.21	60	NE	5	0	30.20	- 01	53	52	0	NE	3	bm	2	63	48	-	
	Dungeness ...	30.18	57	ENE	5	0	30.18	+ 02	57	54	- 2	E	3	0	3	61	56	-	
	London ...	30.27	58	ENE	1	0	30.22	- 01	52	50	0	ENE	1	6	*	63	48	-	
	Oxford ...	30.28	51	Z	0	60	30.24	- 03	48	46	+ 1	ENE	1	bm	*	61	42	-	
	Cambridge ...	30.28	52	E	1	6	30.24	- 04	51	48	+ 1	NE	1	6	*	64	42	-	
PENINSULA.	Yarmouth ...	30.27	55	E	4	6	30.24	- 01	55	51	+ 1	E	3	60	3	57	52	-	
	Cuxhaven ...	30.38	50	NE	3	6	30.35	- 00	48	46	- 4	S	2	6	*	55	47	-	
	Berlin ...	30.33	53	ESE	1	6	30.32	+ 01	45	40	- 3	SE	3	6	*	57	41	-	
	Wiesbaden ...	*	*	*	*	*	30.22	+ 10	49	49	- 7	Z	0	6	*	66	45	-	
	Munich ...	30.22	55	NE	2	0	30.23	+ 07	49	48	- 5	E	4	0	*	61	46	-	
	The Helder ...	30.29	55	ENE	4	6	30.25	- 03	53	49	+ 1	E	1	6	2	57	52	-	
	Brussels ...	*	*	*	*	*	30.21	+ 02	44	44	- 5	NNE	1	6	*	62	43	-	
	Cape Gris Nez...	30.19	57	NE	7	6	30.19	+ 04	52	49	- 5	ESE	4	60	2	61	48	-	
	Paris ...	30.16	61	NNE	3	0	30.21	+ 08	54	53	- 2	W	1	0	*	69	51	-	
	Brest ...	30.13	60	Z	0	0	30.15	+ 02	59	58	+ 2	SE	4	0	3	68	?	-	
PENINSULA.	Lorient ...	30.16	63	W	3	6	30.11	- 02	59	58	+ 1	E	4	0	4	70	57	-	
	Rochefort ...	30.14	68	NW	4	6	30.15	+ 02	60	59	+ 1	E	4	60	2	75	55	-	
	Belfort ...	30.15	62	W	1	0	30.17	+ 05	61	59	0	W	1	0	*	66	51	-	
	Lyons ...	30.12	63	N	1	6	30.18	+ 07	54	54	- 4	ENE	1	6	*	71	?	-	
	Nice ...	29.87	66	ENE	3	6	29.99	- 00	63	60	0	E	1	0	0	73	59	-	
	Perpignan ...	30.09	65	Z	0	6	30.15	+ 08	60	59	0	Z	0	0	*	81	55	-	
	Biarritz ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	30.10	69	SW	4	0	30.14	+ 09	67	66	+ 1	SSW	3	0	3	73	66	-	

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Thursday, 27th September, 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Iso-bars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = force above 10, → = forces 8 to 10,

→ = forces 5 to 7, → = forces 1 to 4,

○ = dead calm.

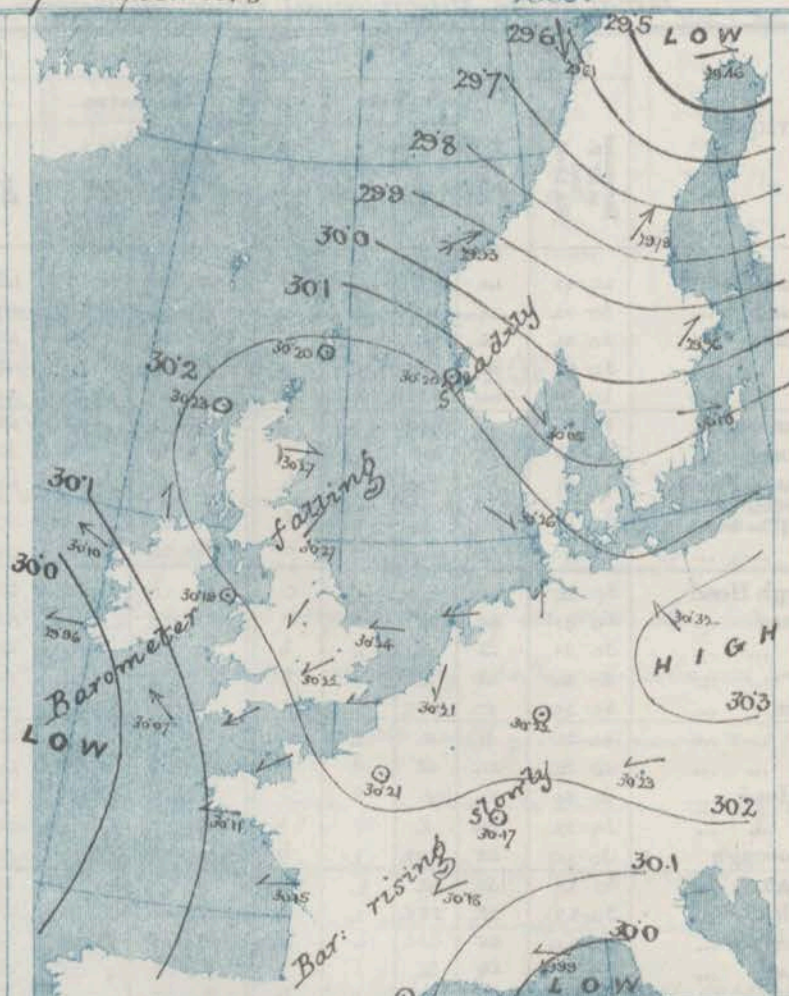
Sea Disturbance — where considerable is shown thus.

— Rough. — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September
During the 15 Years 1871–1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.766
Stornoway	29.780
Wick	29.798
Nairn	29.809
Aberdeen	29.819
Leith	29.840
Shields	29.869
York	29.906
Loughborough	29.924
Ardrossan	29.850
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Scilly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

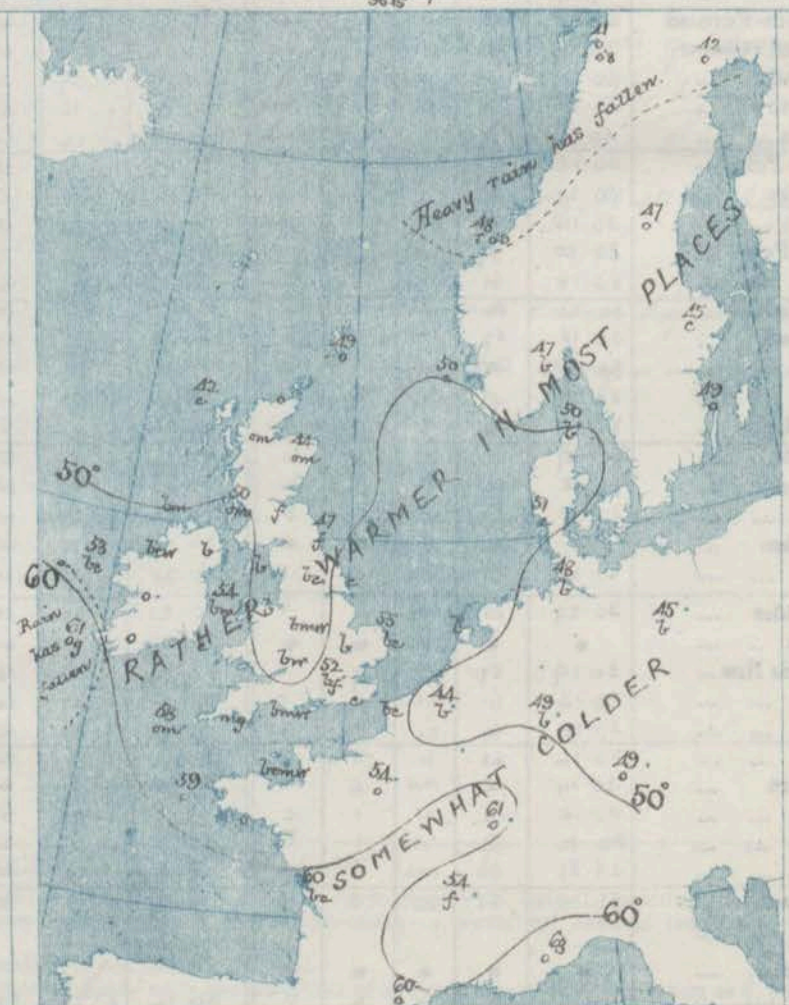
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of September.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 5 a.m.		
			Dry.	Wet.	
Sumburgh Head	55.2	46.3	50.9	49.2	3.46
Stornoway	56.1	46.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.5	51.3	3.87
Donaghadee	59.6	48.8	53.8	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.5	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	53.1	56.2	53.8	3.89
Scilly	61.8	54.8	58.4	56.2	3.69
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	66.8	49.4	55.9	53.6	2.59
Oxford	63.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

NOTE — The Temperature means are for the 15 years 1871–85, the Rainfall means are mainly those for the 20 years 1866–85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins: and more, over Germany, 30.2 ins: and more, over the Netherlands, North Sea, Scotland, and the greater part of England.
 Lowest, 29.5 ins: and less, in a depression over Lapland - 30.0 ins: and less, in another off the southwest of Ireland.
 Gradient very slight over North Sea and Great Britain, moderate over Ireland and Scandinavia.
 Barometer falling slightly in west, briskly over Scandinavia.

TEMPERATURE

Highest, 67° at Dublin, 63° at Kinn, 61° at Valencia, 58° at Scilly, 57° at Dungeness.
 Lowest, 41° at Bodo and Nain, 42° at Haparanda, Stomoway and Loughborough, 44° at Aberdeen and Brunsar, and 45° at Biele.
 It has been down to 36° at Loughborough during the night, but is now rising quickly over England generally.

WIND

Strong to a gale from between SW. and NW. over the northern half of Scandinavia.
 Calm in Scotland - light E. over England and the Bay of Biscay.
 Strong SE. in Ireland and at the Scilly Isles - light and variable over France and Germany.

WEATHER

Dark and rainy in Norway, - B. in the south of Ireland and west of France.
 Fair or fine elsewhere, with fog or haze at several British stations.
 At Bodo and Christiansund the rainfall has been large - more than 0.8 in.

SEA

Rather rough at Scilly, Valencia, and Christiansund, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The direction of motion of the new depression off the west of Ireland is at present somewhat doubtful, but it is probable that the unsettled weather in the west will spread to England shortly.

FORECASTS

For the 24 hours ending at NOON on 28th SEPT 1888.

DISTRICTS.

FORECASTS.

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

Light breezes and fair weather at first, uncertain later.

E. and SE. winds, fine and warm at first, uncertain later.

DISTRICTS.

FORECASTS.

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

SE. winds, moderate, fine to unsettled.

SE. winds, strong and squally with some rain, then doubtful.

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.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	30.35	51	47	NW 4	c	3	Holyhead ...	30.26	58	53	SW 2	c	2
Sumburgh Head ...	30.32	48	44	SW 1	o	2	Valencia ...	30.10	61	59	ESE 5	o m	5
Stornoway ...	30.31	51	46	S 3	o	3	Scilly ...	30.14	59	57	ESE 6	o m	4
Aberdeen ...	30.39	51	46	ESE 2	o	2	Jersey ...	30.17	65	61	E 3	b	3
Shields ...	30.33	55	52	E 2	c	3	Dungeness ...	30.20	60	55	ESE 5	c	4
Ardrossan ...	30.36	57	52	NE 2	c	1	London ...	30.26	60	55	ESE 2	o	*
Malin Head ...	30.25	56	52	ESE 3	b	3	Yarmouth ...	30.28	57	52	ESE 4	b	4
Mullaghmore ...	30.22	57	52	E 5	c	4	Rochefort ...	30.16	73	67	NW 4	b	2
Belmullet ...	30.18	61	55	SSW 6	bc	*							

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

The reports for yesterday morning showed that pressure was highest (30.3 ins. and upwards) in an anticyclone lying over the North Sea, Denmark, and the northern parts of Great Britain, and lowest (29.7 ins. and less) in a depression which was travelling eastwards across Northern Russia. A small shallow disturbance, with readings below 30.0 ins., was also lying over the Gulf of Genoa. The wind was SW^{ly} in the west of Norway, and NW^{ly} over Sweden, Finland, and the Baltic, with gales at Christiansund and Hango. Over Germany, the north of France, and the south of England, however, moderate E^{ly} breezes were reported, in the coast of our Islands fresh SE^{ly} breezes, while in the south of France the wind was chiefly NW^{ly}. Rain was falling over the Central parts of Russia and Austria, as well as at Christiansund, but elsewhere the weather was fair or fine. Temperatures had risen a little in Scandinavia, and also in Austria, Spain, and the south of France, but fallen elsewhere, and readings ranged from 7° and upwards over Algeria, southern Italy, and some parts of Spain to 40° or less over Central Scotland, Lapland, and the extreme north of Russia. The highest individual readings were 78° at Bukhara, 76° at Malta, 73° at Barcelona and Algiers, 72° at Nemours, and 71° at Cagliari and Oran; the lowest were 32° at Archangel, 35° at Kain, 33° at Haparanda, 40° at Kuopio, Helsinki and St Petersburg and 41° at Warsaw.

In the course of the day very little change was observed either in pressure winds or weather.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for *Friday, 28th September 1888.*
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. Sea Level.	Temp. in Shade.	WIND.		Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.		Difference from 8 a.m. yesterday.	WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force, (0 to 12.)				Dry.	Wet.		Dir.	Force, (0 to 12.)			Max.	Min.			
SCANDINAVIA.	Haparanda ..	29.60	SE	2	b	29.50	+ .34	31	30	- .11	NW	1	b	*	16	?	-		
	Hernösand ...	29.83	NW	2	b	30.00	+ .22	37	33	- .10	NW	4	b	*	57	?	-		
	Stockholm ...	29.85	WNW	2	b	29.97	+ .01	41	36	- .14	WNW	4	b	*	55	36	-		
	Wisby ...	29.93	W	2	bc	29.97	- .13	50	45	+ .1	N	4	bc	*	57	46	-		
	Bodö ...	29.81	WNW	2	bc	29.97	+ .36	35	34	- .6	ESE	2	c	1	41	32	0.04		
	Christiansund...	30.06	WNW	6	o	30.09	+ .16	43	40	- .5	ESE	2	c	4	?	39	0.12		
	Skudesnaes ...	30.12	NW	2	o	30.08	- .12	50	49	0	W	0	c	2	54	50	-		
	Christiania Fjord (Færder)	29.96	W	4	b	30.08	+ .04	49	42	+ .2	ESE	3	c	2	57	48	-		
	Skagen (The Scaw)	29.97	NW	3	b	30.01	+ .04	50	45	0	E	3	b	3	54	48	-		
	Fanö ...	30.14	W	4	c	30.10	- .16	50	48	- .1	W	3	o	*	54	48	-		
BRITISH ISLANDS.	Sumburgh Head	30.14	W	0	o	30.06	- .14	49	46	0	W	0	o	0	56	47	-		
	Stornoway ..	30.15	E	1	c	29.99	- .24	49	48	+ .7	NE	2	o	2	54	36	-		
	Wick ...	30.16	W	0	o	30.03	- .21	51	48	+ .4	S	1	o	0	57	46	-		
	Nairn ...	30.14	E	1	o	30.03	- .22	47	45	+ .6	W	0	o	1	55	39	-		
	Aberdeen...	30.20	ESE	1	o	30.09	- .18	50	49	+ .6	S	1	om	1	53	44	-		
	Leith ...	30.17	E	2	o	30.05	- .20	47	47	- .2	E	1	om	*	54	40	-		
	Shields ...	30.17	SE	2	m	30.08	- .19	51	49	+ .4	S	1	om	2	55	45	-		
	Spurn Head ...	30.17	E	4	c	30.10	- .19	53	53	- .3	E	4	o	4	58	52	-		
	York ...	30.20	ESE	1	o	30.11	- .17	51	49	+ .1	SE	1	o	*	58	43	-		
	Loughborough	30.17	E	1	c	30.09	- .13	51	50	+ .9	ESE	1	o	*	67	42	-		
GERMANY.	Ardrossan ...	30.12	NE	2	cf	30.02	- .23	49	48	- .1	NE	3	opj	1	61	48	0.01		
	Malin Head ...	30.05	SE	3	bc	29.88	- .30	54	53	+ .4	SE	4	opm	3	59	50	0.10		
	Mullaghmore ...	30.00	E	5	ogm	29.84	- .31	60	58	+ .10	ESE	4	o	2	60	49	0.21		
	Belmullet ...	29.95	SE	5	r	29.82	- .28	57	57	+ .4	SW	3	o	*	59	53	0.83		
	Donaghadee ...	30.11	SE	3	bc	29.95	- .27	54	54	+ .1	SE	4	d	2	59	53	0.13		
	Barrow-in-Furness	30.12	NE	2	bc	30.02	- .22	54	52	+ .6	E	3	om	*	60	48	-		
	Liverpool (Bidston)	30.12	ESE	4	c	30.01	- .23	51	50	+ .2	SE	3	o	3	61	49	0.04		
	Holyhead ...	30.09	W	0	o	29.96	- .23	56	56	+ .2	ESE	1	om	1	60	54	0.12		
	Parsonstown ...	30.01	SE	2	o	29.89	- .23	59	58	+ .4	SE	1	o	*	59	54	0.10		
	Valencia ...	29.73	ESE	7	ogm	29.94	- .02	58	57	- .3	WNW	1	om	1	62	56	0.23		
FRANCE & NETHERLANDS.	Roche's Point...	29.92	SE	7	r	29.89	- .16	59	58	+ .1	W	2	c	4	59	58	0.70		
	Pembroke ...	30.05	ESE	4	r	29.94	- .20	58	58	+ .3	ESE	2	f	3	58	54	0.36		
	Scilly ...	29.90	SE	6	r	29.94	- .13	61	61	+ .3	SSW	2	f	4	61	56	0.29		
	Prawle Point ...	30.09	ESE	2	o	29.99	- .17	59	59	+ .4	ESE	3	j	3	59	54	0.15		
	Jersey ...	30.11	W	0	o	30.04	- .09	62	61	+ .2	SE	3	ogpm	3	66	59	0.09		
	Hurst Castle ...	30.14	ESE	3	o	30.07	- .13	60	60	+ .7	SSW	2	odm	1	64	53	-		
	Dungeness ...	30.14	E	3	bc	30.09	- .09	59	56	+ .2	SE	3	e	2	61	55	-		
	London ...	30.17	SE	2	c	30.10	- .12	55	53	+ .3	ESE	1	o	*	66	50	-		
	Oxford ...	30.16	SE	1	c	30.08	- .16	53	51	+ .5	W	0	oga	*	65	49	0.02		
	Cambridge ...	30.15	E	1	b	30.08	- .16	54	53	+ .3	E	1	o	*	64	44	-		
PORTUGAL.	Yarmouth ...	30.19	E	3	bc	30.12	- .12	55	52	0	ESE	4	cv	3	59	53	-		
	Cuxhaven ...	30.22	NNE	3	b	30.20	- .15	48	46	0	SSW	1	b	*	56	46	-		
	Berlin ...	30.15	W	0	b	30.14	- .18	48	45	+ .3	NE	2	b	*	57	41	-		
	Wiesbaden ...	*	*	*	*	30.15	- .07	43	47	- .1	W	0	b	*	61	39	-		
	Munich ...	30.19	W	0	b	30.18	- .05	47	46	- .2	SW	1	b	*	61	39	-		
	The Helder ...	30.19	NE	1	b	30.17	- .08	52	49	- .1	E	1	bc	1	57	50	-		
	Brussels ...	*	*	*	*	30.14	- .07	47	47	+ .3	W	0	b	*	62	44	-		
	Cape Gris Nez...	30.15	ESE	4	b	30.11	- .08	54	52	+ .2	SE	1	o	1	63	50	-		
	Paris ...	30.14	NE	1	b	30.13	- .08	53	53	- .1	W	0	m	*	69	52	-		
	Brest ...	30.09	ESE	4	c	30.08	- .07	60	57	+ .1	SW	3	m	4	70	?	-		
SPAIN.	Lorient ...	30.11	S	1	m	30.06	- .05	63	63	+ .4	E	5	r	36	66	57	0.12		
	Rochefort ...	30.15	N	4	o	30.15	0.00	63	61	+ .3	SE	3	o	2	81	57	-		
	Belfort ...	30.13	W	1	b	30.15	- .02	57	55	- .4	E	1	o	*	64	50	-		
	Lyons ...	30.13	WNW	3	bc	30.17	- .01	55	55	+ .1	WNW	1	b	*	68	54	-		
	Nice ...	30.06	W	1	o	30.03	+ .04	61	58	- .2	NE	3	b	?	70	?	0.08		
	Perpignan ...	30.09	W	0	c	30.09	- .06	64	61	+ .4	N	1	b	*	76	?	-		
	Biarritz ...	30.10	WSW	1	o	30.10	0.00	66	62	0	SE	1	b	1	75	64	-		
	Coruna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	
	Lisbon ...	30.16	WSW	4	bc	30.13	- .01	64	64	- .3	NNE	3	f	5	75	63	-		

WEATHER CHARTS

for 8 a.m. on *Friday, 28th September, 1888.*

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus—

→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4;
○ = dead calm.

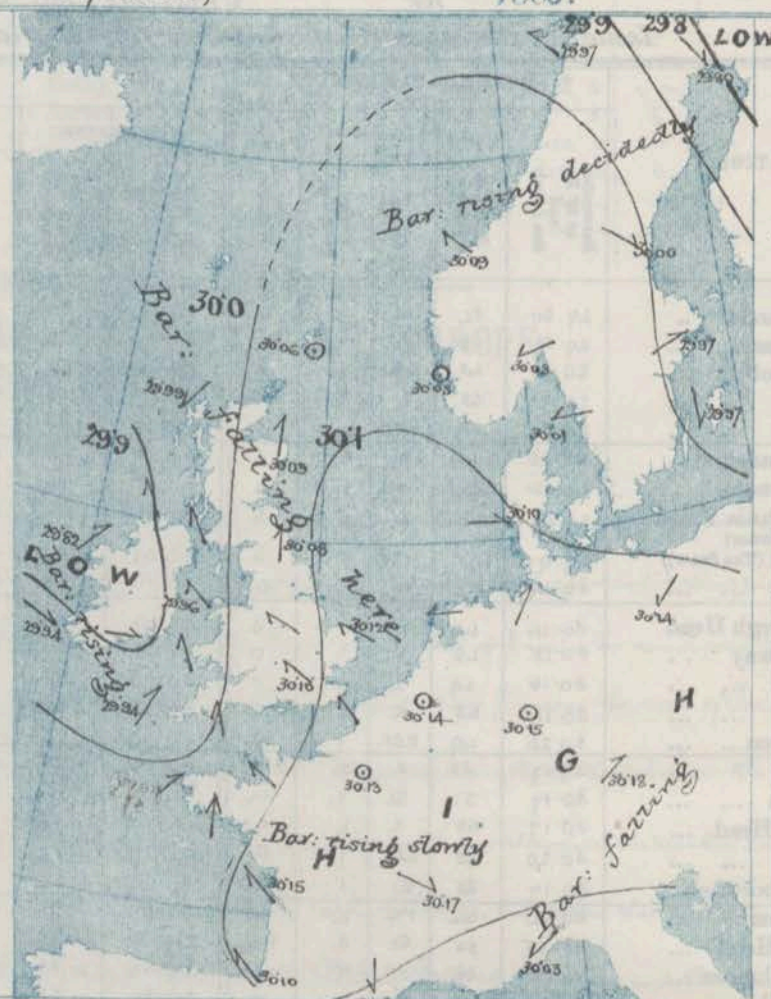
Sea Disturbance—where considerable is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September.
During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.766
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.850
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Scilly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature—Isotherms are drawn for each 10° Changes since previous morning are stated in words.

Weather is shown by Letters of the Beaufort Scale.

Rainfall A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

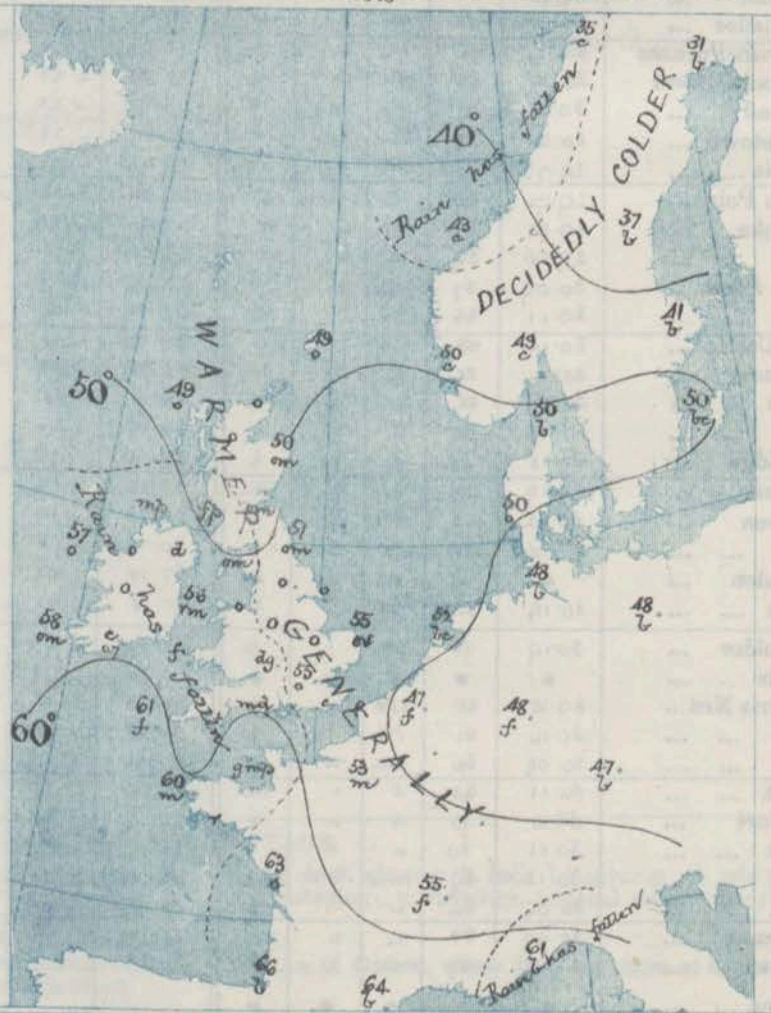
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of September.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	55.2	46.3	50.9	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.98
Loughborough	65.0	47.2	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.5	51.3	3.87
Donaghadee	60.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.5	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	53.1	56.2	53.8	3.89
Scilly	61.8	54.8	58.4	56.2	3.69
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	66.3	49.4	55.9	53.6	2.59
Oxford	63.3	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

NOTE—The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 20 years 1866—85



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 ins. and more, over France, Germany, the Netherlands, the southeast of England, and the North Sea.
 Lowest, 29.8 ins. and less, over the east of England, 29.5 ins. and less, over Ireland, and about 30.0 ins. over the Gulf of Genoa.
 Gradients, moderate over our islands, but slight over the Continent and North Sea.
 Barometer rising in Lapland and also at Valencia.

TEMPERATURE

Highest, 66° at Biarritz, 64° at Lisbon and Copenhagen, 63° at Lyons, 61° at Sicily, and 60° at Mullaghmore.
 Lowest, 31° at Haparanda, 35° at Rode, 37° at Helsingfors, 41° at Stockholm, and 47° to 50° at the Scotch stations.
 It has risen rather decidedly in our islands, but is now falling at Valencia.

WIND

Moderate W^{ly} in Sweden—light E^{ly} in Norway—very light and variable at the other Continental stations.
 Moderate SE^{ly} to S^{ly} over Great Britain the north of Ireland, and west of France.
 Light W^{ly} in the south of Ireland—light N^{ly} at Lisbon.

WEATHER

Clear in Sweden and at the German and Dutch stations.
 Misty and foggy over France, dull and close in our islands, and showery at the western and southern stations.

SEA

Moderate in the southwest and at the mouth of the Rhine, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which was approaching Ireland from the westward yesterday assumed a somewhat threatening appearance by 6 pm. but has since then passed northwards along the Irish coast, and almost completely disappeared.
 Changeable unsettled weather seems likely to continue generally.

FORECASTS

For the 24 hours ending at NOON on 29th Sept. 1888.

DISTRICTS.

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

FORECASTS.

SE^{ly} and S^{ly} breezes, light, changeable, rain at times.
 SE^{ly} and Variable airs; dull, close, rain at times. Changeable.

DISTRICTS.

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

FORECASTS.

SW^{ly} and S^{ly} airs and light breezes; changeable, some rain at times.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesneaa ...	30.16	53	50	NW 4	0	3	Holyhead ...	30.14	59	56	N.W 1	bc	1
Sumburgh Head ...	30.18	53	47	W 1	0	1	Valencia ...	29.87	62	60	E 6	og	6
Stornoway ...	30.07	53	49	E 3	bc	2	Scilly ...	30.01	58	58	SE 5	rf	4
Aberdeen ...	30.22	53	48	E 1	c	2	Jersey ...	30.13	65	62	E 1	o	1
Shields ...	30.22	54	48	E 2	bm	2	Dungeness ...	30.16	60	54	E 4	b	4
Ardrossan ...	30.16	60	52	SSW 1	bc	1	London ...	30.18	63	56	E 3	b	*
Malin Head ...	30.12	59	56	ESE 3	b	1	Yarmouth ...	30.20	59	53	E 3	b	3
Mullaghmore ...	30.02	60	56	ESE 5	om	4	Rocheport ...	30.15	77	71	WNW 4	c	2
Belmullet ...	30.02	59	53	SE 4	o	*							

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

The reports for yesterday morning showed that pressure was highest, 30.3 ins. and upwards, in an anticyclone lying over Poland and eastern Germany, and lowest, 29.6 ins. and less, in a depression lying over Lapland. The barometer was, however, falling somewhat decidedly on the southwest coasts of the British Isles, and a new disturbance was apparently advancing towards the south of Ireland. The wind was W⁴ or SW⁴ over Northern Europe, with a gale at Christiansund, but light or moderate from the E^{ind} over the greater part of France and strong from the same quarter or from SE. on our own west and southwest coasts. Over Italy and France, however, faint cyclonic circulations were shown round shallow depressions lying in those regions, while in Spain the wind was light and variable. The weather remained generally fair, but overcast skies were reported in the south of Ireland and west of France, and rain was falling at Uleaborg, Christiansund, Memel, and Malta. Temperature had risen a little in our Islands, Scandinavia, and Northern Russia, but fallen elsewhere, and readings ranged from 70° and upwards over Southern Italy, and many parts of Algeria and Spain to 40° or less over the central parts of Germany and Austria, and the northern and central part of Russia. The highest individual readings were 80° at Biskra, 77° at Sfax, 76° at Malta, 73° at Brindisi and Algiers, and 72° at Bilbao and Oporto; the lowest were 31° at Archangel, 35° at Kiew, 36° at Cracow and Kharkov, 38° at Casel, Lemberg, Moscow and Nizhny, 39° at Breslau, and 40° at Kiopie and Prague.

In the course of the day the ^{barometer} fell decidedly in the west and southwest of our Islands, and the SE⁴ wind in the south of Ireland rose to the force of a gale. Rain fell in the west generally, while solar halos appeared over the south of England.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for *Saturday, 29th September* 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.	Haparanda ..	29.87	29	NW	2	b	29.78	-0.1	29	29	-2	NW	2	c	*	4.0	25	-	
	Hernösand ...	30.02	32	72	0	b	29.80	-0.20	40	36	+3	SSW	2	0	*	54	30	-	
	Stockholm ...	30.07	37	70	0	b	29.99	+0.02	45	41	+4	SE	2	0	*	50	36	-	
	Wisby ...	30.10	38	NE	2	b	29.95	-0.02	45	41	-5	S	2	0	*	57	36	-	
	Bodö ...	29.92	35	SW	2	c	29.71	-0.26	34	?	-1	ENE	2	0	1	37	30	0.08	
	Christiansund...	29.87	44	ESE	1	0	29.44	-0.65	45	43	+2	SSW	1	7	3	46	41	0.16	
	Skudesnaes ...	29.95	52	WSW	4	0	29.53	-0.55	52	51	+2	S	8	7	5	54	50	-	
	Christiania Fjord (Fjorder)	30.02	53	SSW	2	b	29.69	-0.39	52	48	+3	SSW	4	0	2	?	?	-	
	Skagen (The Scaw)	30.02	49	SE	2	b	29.74	-0.27	50	48	0	SW	3	0	3	55	46	-	
	Fanö ...	30.03	50	72	0	0	29.76	-0.34	50	49	0	S	4	0	*	55	48	-	
BRITISH ISLANDS.	Sumburgh Head	29.87	48	72	0	c	29.52	-0.54	45	42	-4	NW	3	0	2	52	44	0.02	
	Stornoway ...	29.86	51	NE	2	c	29.74	-0.25	46	44	-3	N	5	0	4	57	44	-	
	Wick ...	29.85	49	S	2	0	29.65	-0.34	47	45	-4	NW	3	c/p	1	55	44	0.03	
	Nairn ...	29.85	53	72	0	r	29.68	-0.35	50	49	+3	SW	2	0	1	58	46	0.05	
	Aberdeen...	29.89	51	SSE	3	07g	29.67	-0.32	50	47	0	W	2	0c	0	57	49	0.14	
	Leith ...	29.88	52	E	1	0	29.69	-0.36	52	52	+5	W	1	f	*	58	46	0.10	
	Shields ...	29.91	53	S	4	0	29.67	-0.41	55	54	+4	SW	1	0	2	55	50	0.07	
	Spurn Head ...	29.99	57	SSE	5	0	29.73	-0.37	57	56	+4	WSW	3	c	4	57	53	0.02	
	York ...	29.95	54	SE	1	m	29.74	-0.37	56	54	+5	WSW	3	0c	*	56	50	0.17	
	Loughborough	29.95	57	SE	1	0	29.79	-0.30	57	56	+6	W	1	0dp	*	58	51	0.01	
GERMANY.	Ardrossan ...	29.85	52	NNE	1	r	29.69	-0.31	52	52	+3	NW	3	0	2	52	49	0.05	
	Malin Head ...	29.81	57	72	0	0f	29.78	-0.40	52	50	-2	N	4	0q/p	3	58	51	0.13	
	Mullaghmore ...	29.83	57	N	4	0m	29.78	-0.06	56	56	+4	NW	2	0m	2	60	55	0.05	
	Belmullet ...	29.86	56	W	2	0	29.80	-0.02	58	54	-2	NE	5	r	*	58	53	-	
	Donaghadee ...	29.86	58	SW	2	f	29.73	-0.22	56	56	+2	WNW	2	0	0	58	53	0.06	
	Barrow-in-Furness	29.89	54	E	2	f	29.74	-0.25	56	55	+2	WNW	3	0c	*	57	54	0.18	
	Liverpool (Bidston)	29.90	57	SE	2	0	29.77	-0.24	55	54	+4	W	2	0	2	58	51	0.02	
	Holyhead ...	29.90	57	SSW	2	f	29.79	-0.17	55	54	-1	WSW	2	0	2	62	53	0.06	
	Parsonstown ...	29.92	58	SW	2	c	29.81	-0.08	54	53	-5	20	0	0	*	60	53	-	
	Valencia ...	29.91	57	NW	1	0c	29.79	-0.15	58	57	0	WSW	1	0	1	63	50	-	
FRANCE & NETHERLANDS.	Roche's Point...	29.91	59	WSW	1	b	29.79	-0.10	55	55	-4	E	3	r/f	4	64	51	-	
	Pembroke ...	29.92	58	S	2	f	29.80	-0.14	56	56	-2	SE	1	0m	2	60	56	0.04	
	Scilly ...	29.94	60	SW	1	f	29.79	-0.15	61	60	0	S	2	0f	4	64	56	0.71	
	Prawle Point ...	29.94	57	SW	2	0	29.83	-0.16	57	57	-2	W	1	r/m	2	63	54	0.19	
	Jersey ...	29.97	65	SSE	3	0	29.86	-0.21	61	61	-1	W	2	r/f	2	66	59	0.33	
	Hurst Castle ...	29.95	61	SW	2	0d	29.84	-0.23	58	58	-2	W	3	m	1	62	52	0.29	
	Dungeness ...	29.98	61	SE	2	m	29.83	-0.26	60	60	+1	SW	2	0	1	63	58	0.04	
	London ...	29.97	61	S	1	0q/p	29.81	-0.29	61	60	+6	W	1	0	*	65	54	0.08	
	Oxford ...	29.93	60	SSE	1	0	29.81	-0.27	57	56	+4	SW	1	0d	*	60	53	0.09	
	Cambridge ...	29.95	57	SE	1	r	29.79	-0.29	58	57	+4	SW	1	0	*	60	52	0.03	
PENINSULA.	Yarmouth ...	30.01	56	SSE	4	c	29.76	-0.36	58	57	+3	WSW	2	f	2	59	54	0.01	
	Cuxhaven ...	30.13	50	NW	2	0	29.88	-0.32	48	47	0	SSW	3	c	*	57	46	-	
	Berlin ...	30.10	53	NNE	1	b	29.94	-0.20	45	42	-3	SE	2	c	*	59	43	-	
	Wiesbaden ...	*	*	*	*	*	29.97	-0.18	53	51	+5	20	0	f	*	64	48	-	
	Munich ...	30.15	48	72	0	b	30.08	-0.10	46	45	-1	SW	1	0	*	61	39	-	
	The Helder ...	*	*	*	*	*	29.82	-0.32	59	?	+12	S	4	r	*	?	?	?	
	Brussels ...	*	*	*	*	*	29.81	-0.30	60	60	+6	WSW	4	0	3	68	54	0.04	
	Cape Gris Nez...	30.01	64	S	1	0	29.81	-0.20	60	60	+6	WSW	4	0	3	68	54	0.04	
	Paris ...	30.06	63	SSE	1	0	29.91	-0.22	60	59	+7	SSW	3	0	*	73	?	0.04	
	Brest ...	30.01	60	72	0	0	29.97	-0.11	62	62	+2	W	7	m	5	68	41	0.43	
PENINSULA.	Lorient ...	29.99	64	WSW	4	f	29.92	-0.14	64	64	+1	SW	4	0	5	64	63	0.28	
	Rocheport ...	30.12	66	WNW	1	0	30.04	-0.11	66	66	+3	SSW	4	0	2	75	63	0.04	
	Belfort ...	30.09	59	E	1	c	30.04	-0.11	50	49	-7	E	1	f	*	66	42	-	
	Lyons ...	30.12	58	NNE	1	m	30.06	-0.11	55	54	0	SSW	1	0	*	64	54	-	
	Nice ...	30.01	65	E	1	b	30.06	-0.03	62	55	+1	NE	3	0	0	73	57	-	
	Perpignan ...	30.04	69	N	3	b	30.04	-0.05	62	61	-2	N	3	0	*	82	61	-	
	Biarritz ...	30.03	70	ESE	4	b	29.99	-0.11	62	60	-4	ESE	4	0	1	79	61	-	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	30.04	72	NW	5	b	30.04	-0.09	68	63	+4	NW	4	0	6	82	?	-	

WEATHER CHARTS

for 8 a.m. on Saturday, 29th September, 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = forces above 10, → = forces 8 to 10,
→ = forces 5 to 7, → = forces 1 to 4,
○ = dead calm.

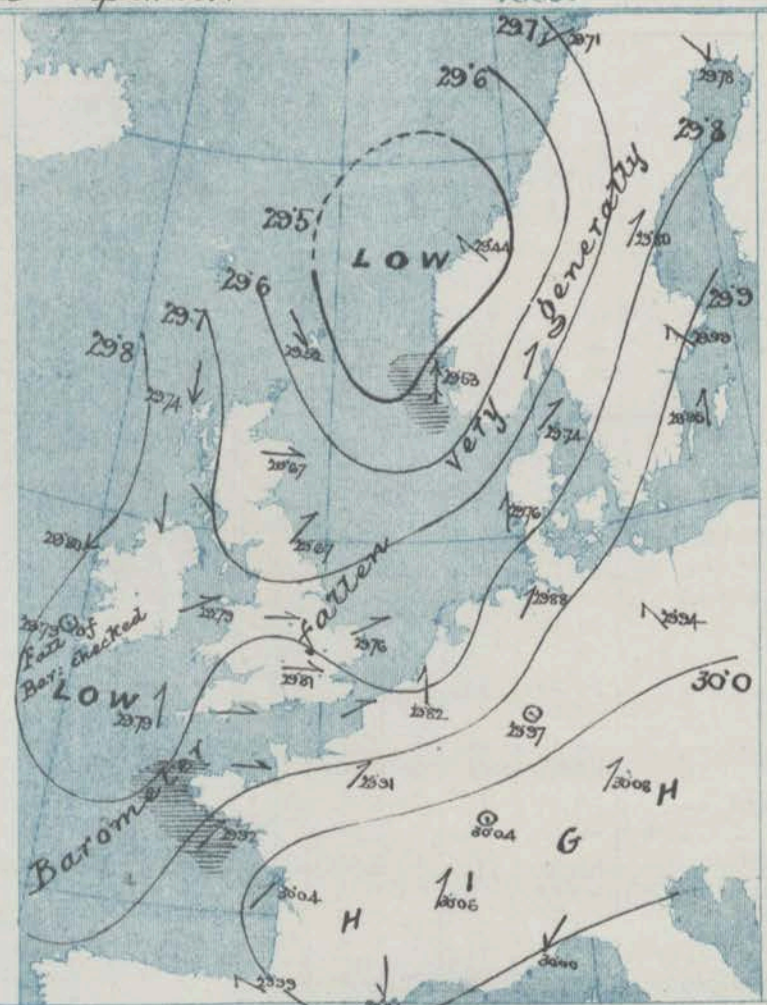
Sea Disturbance — where considerable is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September.
During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.766
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.846
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.860
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Scilly	29.943
Jersey	29.935
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

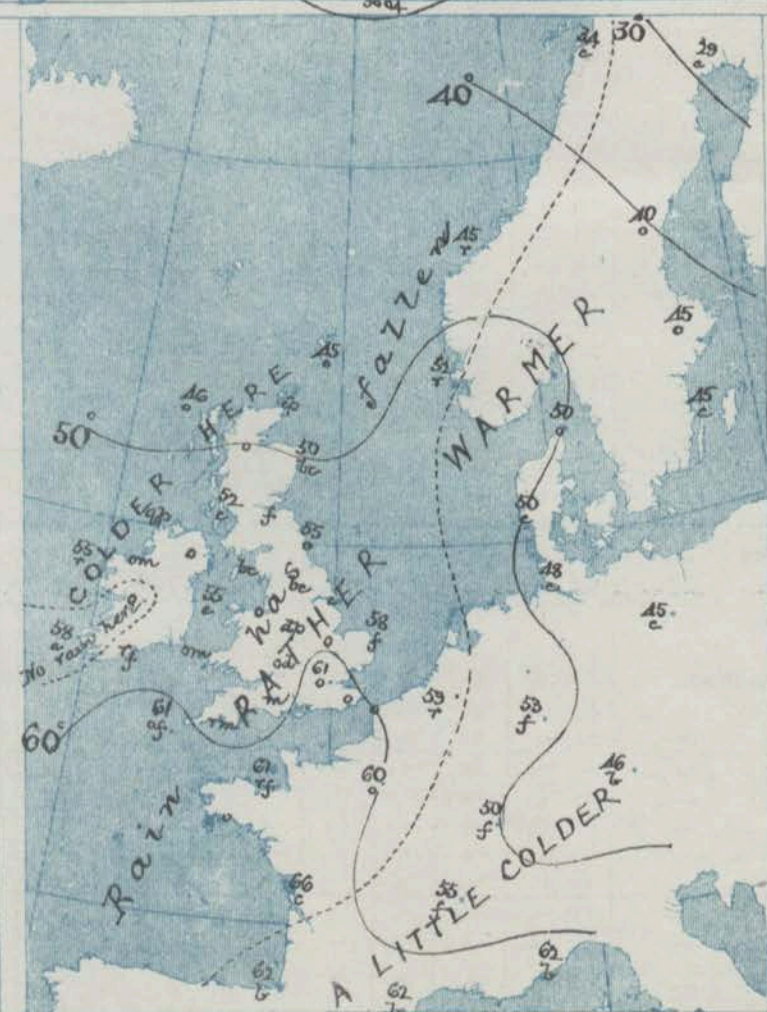
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of September.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	at 8 a.m. Dry	Wet	
Sumburgh Head	55.2	46.3	50.9	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.58
York	63.3	47.3	52.8	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.5	51.3	3.87
Donaghadee	59.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.5	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	52.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	53.1	56.2	53.8	3.89
Scilly	61.8	54.8	58.4	56.2	3.69
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.9	55.3	2.86
LONDON	63.3	49.4	55.9	53.6	2.59
Oxford	63.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

NOTE — The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 20 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.0 ins. and more, in an elongated high pressure area lying over the southern part of France and Germany; 29.8 ins. and more, off the coast of Ireland and apparently over Lapland; and 30.0 ins. and more, over the south-west of Spain and Portugal.</p> <p>Lowest, 29.5 ins. and less, in a depression lying off the west of Norway; 29.8 ins. and less, in another (shallow) system off the south of Ireland.</p> <p>Barometer rather steep over Scandinavia, moderate to slight elsewhere, but very irregular.</p> <p>Barometer falling generally, most in Norway and the east of our Islands.</p>
TEMPERATURE	<p>Highest, 68° at Dublin, 66° at Rockport, 61° at Kelly, Jersey, and in London.</p> <p>Lowest, 29° at Hafnarfjörður, 34° at Roskilde, 40° at Helsingfors, 45° at Lumburg Head, and 46° at Hovorey.</p> <p>It has risen since yesterday over England and the north of France, fallen in Ireland and the coast and north of Scotland; the fall is spreading.</p>
WIND	<p>S⁷ on the eastern shore of the North Sea, and blowing a gale at Skudesnæs.</p> <p>SW⁴ and W², light to moderate over England, the Channel, and north of France.</p> <p>N² in the northwest of Ireland and west of Scotland — NW over the Irish Sea.</p>
WEATHER	<p>Cloudy generally, with rain in several places and damp fogs locally.</p> <p>The rainfall has been heavy in the Irish Islands, and considerable over our southwestern counties — slight elsewhere.</p>
SEA	<p>Rather rough in the Bay of Biscay, moderate to smooth elsewhere.</p>


PROBABLE CHANGES IN SYSTEM NOW PREVALENT


A continuation of cloudy, showery weather is probable, but it seems likely that as the low-pressure areas move eastward the N² wind now prevailing in the north and northwest, will spread to all other parts of the Islands, causing lower temperature followed by drier conditions.

FORECASTS

for the 24 hours ending at NOON on 30TH SEPT 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N ² and NW ² winds, cloudy, unsettled, showery, colder.	6 SCOTLAND WEST	NW ² and N ² winds, colder, dull, some rain.
1 SCOTLAND EAST		7 ENGLAND N. W.	
2 ENGLAND N. E.	N ² airs and calms; dull, rain at times.	8 ENGLAND S. W.	S ² to W ² and NW ² winds, light; misty and wet, becoming colder.
3 ENGLAND EAST	Light and Varying winds — chiefly SW ² or S ² ; dull, close, rain at times.	9 IRELAND NORTH	N ² breezes, dull, cold, unsettled, rain at times.
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.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeanaes ...	30.05	54	50	WSW 2	0	2	Holyhead ...	29.92	60	59	SSW 4	cm	4
Sumburgh Head ...	29.97	52	48	Z 0	6	0	Valencia ...	29.91	62	58	SW 1	cm	1
Stornoway ...	29.91	57	54	SW 2	c	2	Scilly ...	29.94	63	62	SW 2	f	5
Aberdeen ...	29.98	52	50	SE 3	og	3	Jersey ...	30.03	66	64	SE 3	0	3
Shields ...	29.99	53	52	SE 1	r	2	Dungeness ...	30.03	62	60	SE 2	m	1
Ardrossan ...	29.92	51	50	N.E. 2	0	1	London ...	30.02	62	60	SE 1	sm	*
Malin Head ...	29.83	57	57	SE 2	0	2	Yarmouth ...	30.06	57	54	SE 4	c g	4
Mullaghmore ...	29.85	59	57	SW 4	0	2	Rochefort ...	30.15	74	67	E 3	0	2
Belmullet ...	29.85	58	57	WSW 3	og	*							

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

The report for yesterday morning showed that pressure was highest, 30.1 ins. and upwards, in a long and broad anticyclonic band extending from the Black Sea across Austria and Germany to the Netherlands, France, and the southeast of England. The lowest readings, 29.4 ins. and less, were found in a depression lying over the White Sea, but a secondary disturbance, with readings below 29.6 ins., was apparently lying in the neighbourhood of St. Petersburg, and a third system, with readings below 29.9 ins., was lying over Ireland. The wind was NW² over Sweden and Northern Russia, and SW¹ over the Balkan Peninsula and Central Russia. Over Great Britain and the west of France, however, it was chiefly SE², while over Southern Europe it varied between E. and NE. The weather was cloudy and unsettled in most of the western countries, with rain in the northwest of France, and showers in the west of south of our Islands. Over Northern and Southern Europe, however, conditions were generally fair. Temperature had risen a little over our Islands and France, as well as at several of German, Spanish, and Algerian stations, but fallen elsewhere; readings ranged from 70° and upwards in Algeria, Spain and southern Italy to 40° or less in many parts of Central Europe and to 32° or less in Lapland and Northern Russia. The highest individual readings were 76° at Barcelona and Madrid, 75° at Bilbao, 74° at Algiers, 73° at Sofia, and 72° at Genoa, Brindisi and Oran; the lowest were 29° at Uleaborg, 31° at Haparanda, 32° at Archangel, 33° at Kustvick and Hanko, 35° at Rode, 36° at Warsaw, and 37° at Leningrad and Breslau.

In the course of the day the depression over our western coast moved slowly northwards, and rain fell in most parts of the United Kingdom. Lightning was seen at Robin Point at night.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Sunday 30th SEPT 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.			BAROMETER.		SHADE TEMP.			WIND.			Weather.	Sea. (0 to 9.)	SHADE TEMP.		
			Dir.	Force (0 to 12.)	Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)	Weather.			Max.	Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ..	29.62	SE	2	5	29.43	- 35	34	34	+ 5	E	2	5	*	*	39	28	0.32
	Hernösand ...	29.40	S	6	0	28.96	- 54	46	46	+ 6	S	6	5	*	*	32	28	0.43
	Stockholm ...	29.42	SE	2	7	29.04	- 95	51	49	+ 6	SW	2	0	*	*	32	32	0.35
	Wisby ...	29.51	SW	4	0	29.15	- 85	54	53	+ 9	SW	4	0	*	*	35	34	0.16
	Bodö ...	29.36	ENE	2	6	29.37	- 34	36	32	+ 2	ENE	2	0	*	1	37	30	—
	Christiansund...	29.21	L	0	7	29.17	- 27	41	39	- 4	NNE	8	7	4	4	48	37	0.43
	Skudesnaes ...	29.27	W	4	0	29.08	- 45	46	43	- 6	NNW	6	0	4	4	30	46	—
	Christiania Fjord (Fjorder)	29.24	SW	5	0	28.98	- 41	46	42	- 6	W	4	6	2	2	34	46	0.28
	Skagen (The Scaw)	29.22	W	5	6	29.03	- 41	47	45	- 3	W	3	6	2	2	32	43	0.16
	Fanö ...	29.07	NW	4	7	29.17	- 59	51	47	+ 1	NNW	6	0	*	*	57	45	0.35
BRITISH ISLANDS.	Sumburgh Head	29.48	N	5	0	29.59	+ 07	40	39	- 5	N	6	0	6	6	48	36	0.14
	Stornoway ...	29.77	N	6	7	29.89	+ 15	40	39	- 6	N	5	0	4	4	49	36	0.19
	Wick ...	29.63	NNW	6	0	29.71	+ 06	39	38	- 8	NNW	7	6	4	4	48	39	0.10
	Nairn ...	29.68	NNW	4	0	29.81	+ 13	40	38	- 10	NNW	5	0	0	0	30	40	0.04
	Aberdeen...	29.64	NNW	4	6	29.69	+ 02	41	39	- 9	NW	7	6	7	7	53	37	0.30
	Leith ...	29.68	W	1	6	29.78	+ 09	44	40	- 8	NW	3	6	4	4	54	40	—
	Shields ...	29.61	NNE	3	7	29.66	- 01	40	37	- 15	NNW	3	6	4	4	58	38	0.29
	Spurn Head ...	29.55	NNW	3	7	29.62	- 11	45	43	- 12	NW	6	6	5	5	59	44	0.15
	York ...	29.60	E	3	7	29.71	- 03	43	39	- 18	NW	4	6	*	*	60	39	0.09
	Loughborough	29.62	NNW	2	0	29.74	- 05	43	40	- 14	NW	3	6	*	*	62	39	—
GERMANY.	Ardrossan ...	29.67	N	4	6	29.53	+ 14	46	41	- 6	NW	3	6	2	2	58	39	—
	Malin Head ...	29.78	NNW	5	6	29.92	+ 14	45	43	- 4	N	5	6	4	4	52	44	?
	Mullaghmore...	29.84	N	6	0	29.97	+ 19	45	44	- 8	NNE	5	6	4	4	56	46	0.01
	Belmullet ...	29.87	NNE	5	6	30.03	+ 23	50	45	- 5	NNE	4	6	*	*	58	46	0.07
	Donaghadee ...	29.72	NNE	7	6	29.87	+ 14	48	47	- 8	NNE	7	6	5	5	30	47	—
	Barrow-in-Farress	29.60	N	3	6	29.80	+ 06	45	41	- 11	N	5	6	*	*	57	40	0.05
	Liverpool (Bidston)	29.67	NNW	4	7	29.81	+ 04	46	40	- 9	NNW	3	6	4	4	60	43	0.02
	Holyhead ...	29.70	N	5	0	29.84	+ 05	49	43	- 6	NNE	5	6	5	5	57	45	—
	Parsonstown ...	29.50	NE	2	0	29.97	+ 16	40	39	- 14	L	0	6	*	*	60	38	0.02
	Valencia ...	29.77	NNE	2	0	30.01	+ 22	32	48	- 6	NNE	3	6	4	4	60	46	0.01
FRANCE & NETHERLANDS.	Roche's Point...	29.73	NNE	1	0	29.91	+ 12	45	42	- 10	N	3	6	3	3	58	43	0.15
	Pembroke ...	29.68	NNE	3	7	29.85	+ 05	51	46	- 5	N	4	6	2	2	57	47	0.04
	Scilly ...	29.71	NNW	6	7	29.83	+ 04	53	47	- 8	NNE	6	6	5	5	63	51	0.14
	Prawle Point ...	29.67	SW	3	7	29.79	- 04	52	49	- 5	N	3	6	2	2	60	43	0.19
	Jersey ...	29.74	W	3	0	29.74	- 12	54	50	- 7	NW	4	0	4	4	65	51	0.27
	Hurst Castle ...	29.67	SW	3	7	29.74	- 10	48	47	- 10	NW	5	6	1	1	61	47	0.32
	Dungeness ...	29.66	SW	4	0	29.61	- 22	48	45	- 12	N	4	6	3	3	62	47	0.32
	London ...	29.62	W	2	0	29.68	- 13	45	44	- 16	NW	3	6	*	*	66	44	0.28
	Oxford ...	29.60	NW	1	7	29.75	- 06	45	41	- 12	NE	2	6	*	*	65	42	0.05
	Cambridge ...	29.59	L	0	0	29.70	- 09	45	43	- 13	NNW	3	6	*	*	64	40	0.03
PENINSULA.	Yarmouth ...	29.61	W	2	0	29.58	- 18	48	46	- 10	NW	4	6	4	4	62	45	0.10
	Cuxhaven ...	29.60	W	3	7	29.35	- 53	53	51	+ 5	NNW	5	0	*	*	59	48	0.10
	Berlin ...	29.61	SW	4	0	29.29	- 65	55	54	+ 10	SW	2	7	*	*	64	45	0.04
	Wiesbaden ...	*	*	*	*	29.38	- 59	61	58	+ 8	SW	3	0	*	*	63	37	0.16
	Munich ...	29.85	W	2	0	29.60	- 118	57	55	+ 11	SW	6	7	*	*	64	?	0.43
	The Helder ...	29.53	SW	1	7	29.41	- 32	50	50	- 9	N	3	7	*	*	61	52	0.08
	Brussels ...	*	*	*	*	29.50	- 25	50	50	- 10	N	8	7	6	6	65	50	1.10
	Cape Gris Nez...	29.65	SW	4	7	29.56	- 25	50	50	- 10	N	8	7	6	6	63	50	0.63
	Paris ...	29.75	SW	3	0	29.59	- 22	61	58	+ 1	SW	4	6	*	*	71	60	0.67
	Brest ...	29.86	NNW	4	0	29.79	- 18	59	57	- 3	W	5	0	4	4	70	59	0.08
PENINSULA.	Lorient ...	29.85	W	5	7	29.75	- 17	62	64	- 2	NNW	7	0	3	3	66	64	0.06
	Rochefort ...	29.94	NW	4	0	29.84	- 20	65	64	- 1	NNW	7	0	2	2	77	61	0.02
	Belfort ...	29.82	W	1	0	29.63	- 41	62	61	- 12	W	4	7	*	*	64	46	0.47
	Lyons ...	29.91	S	3	0	29.76	- 30	65	59	+ 10	SW	3	7	*	*	70	60	—
	Nice ...	29.91	NE	1	0	29.75	- 25	61	59	- 1	L	0	0	0	0	75	57	—
	Perpignan ...	29.91	SW	1	6	?	?	66	64	+ 4	L	0	0	*	*	85	62	—
	Biarritz ...	29.93	L	0	0	29.89	- 10	66	64	+ 4	SW	3	0	1	1	75	61	—
	Corunna ...	*	*	*	*	29.92	+ 07	65	64	- 3	SW	1	6	2	2	77	61	0.04
	Lisbon ...	30.03	L	0	6	29.97	- 07	66	65	- 2	L	0	0	5	5	77	64	—

WEATHER CHARTS

for 8 a.m. on

Sunday, 30th September

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —

→ = force above 10; →→ = forces 8 to 10;
→→ = forces 5 to 7; →→ = forces 1 to 4.

⊙ = dead calm.

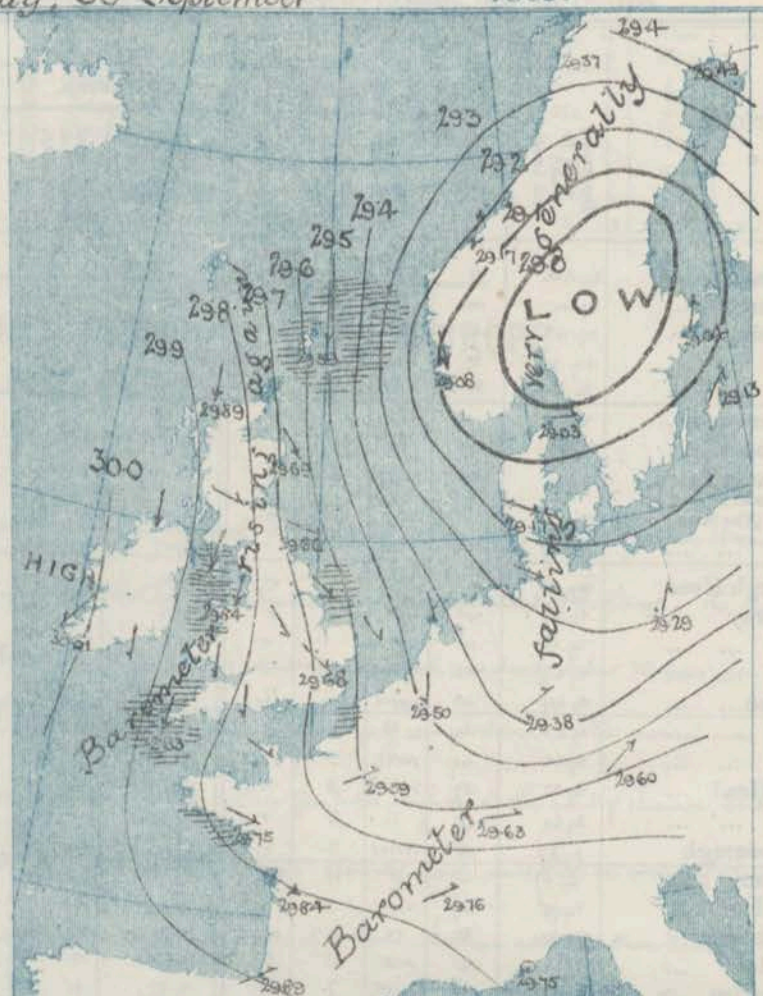
Sea Disturbance — where considerable, is shown thus.

▨ = Rough ▨ = High

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of September
During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.766
Stornoway	29.780
Wick	29.793
Nairn	29.809
Aberdeen	29.819
Leith	29.840
Shields	29.869
York	29.905
Loughborough	29.924
Ardrossan	29.950
Donaghadee	29.869
Holyhead	29.894
Liverpool	29.899
Parsonstown	29.904
Valencia	29.917
Roche's Point	29.915
Pembroke	29.913
Scilly	29.943
Jersey	29.955
Hurst Castle	29.960
Dover	29.941
LONDON	29.945
Oxford	29.935
Cambridge	29.931
Yarmouth	29.916



TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

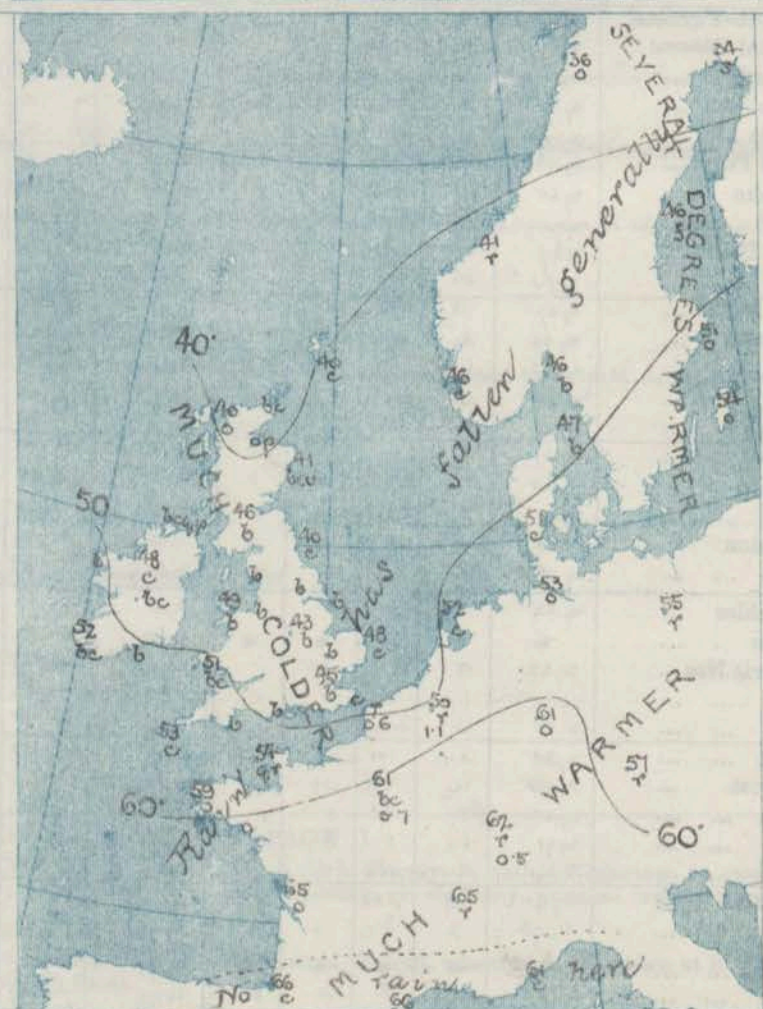
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of September.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	55.2	46.3	50.9	49.2	3.46
Stornoway	56.1	45.7	51.1	49.8	4.13
Wick	57.6	45.5	51.8	49.9	2.66
Nairn	59.0	46.8	51.2	48.8	2.73
Aberdeen	59.2	46.7	52.1	49.8	3.22
Leith	62.2	47.6	53.2	50.8	2.47
Shields	59.9	49.3	53.1	51.1	2.53
York	53.3	47.3	52.8	51.0	2.98
Loughborough	65.0	47.9	54.3	52.4	3.06
Ardrossan	59.7	49.6	53.5	51.3	3.87
Donaghadee	59.6	48.8	53.3	52.1	3.22
Holyhead	60.6	52.8	55.7	53.5	3.35
Liverpool	61.2	50.9	54.5	51.9	3.56
Parsonstown	61.6	47.5	53.1	51.1	3.49
Valencia	61.7	51.5	56.3	53.9	4.87
Roche's Point	61.9	51.0	55.4	53.2	4.39
Pembroke	60.2	59.1	56.2	53.8	3.89
Scilly	61.8	54.8	58.4	56.2	3.89
Jersey	65.2	54.9	59.8	57.1	3.51
Hurst Castle	64.2	52.2	57.2	55.8	3.35
Dover	62.9	53.0	57.0	55.3	2.86
LONDON	66.3	49.4	55.9	53.6	2.59
Oxford	63.8	49.1	54.2	52.3	2.91
Cambridge	65.5	48.1	54.4	52.9	2.48
Yarmouth	62.0	51.1	56.2	54.4	3.17

Notes — The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 20 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 ins: and upwards, off the west of Ireland.
 Lowest, 29.0 ins: and less, in a large and rather deep depression lying over Scandinavia.
 Gradient rather steep over the North Sea, but moderate elsewhere.
 Barometer rising in the west and north of our islands, but falling elsewhere—rapidly in Sweden, Denmark and Germany.

TEMPERATURE

Highest, 66° at Bismarck, Papey and Lofoten, 65° at Rochefort, Lyons and Courmayeur, and 62° at Bristol and Brest.
 Lowest, 34° at Hafnarfjörður, 36° at Bodo, 35° at Nish and 40° at Lumburg Head, Norway, Kinn, Shetland and Harrowston.

WIND

Strong NW^{ly} on the eastern shore of the North Sea, the eastern parts of Great Britain and the west of France.
 Fresh from the Nth on our western coasts.
 Moderate SW over Germany and the south of Sweden; light from E. in the north of Scandinavia.

WEATHER

Fair over the greater part of our islands, but showery at some of our northern stations.
 Cloudy elsewhere with rain over Germany and Central France as well as at Christiania and
 Since yesterday rain has fallen in nearly all parts of Western Europe.

SEA

Rough at Lumburg Head and rather rough on many of the more exposed parts of our coasts, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay off the west of Norway yesterday has moved eastwards over Scandinavia and grown much deeper.
 There are at present no indications of the advance of any new disturbance.

FORECASTS

For the 24 hours ending at NOON on 1st OCTOBER, 1888.

DISTRICTS.

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

FORECASTS.

NONE ISSUED.

DISTRICTS.



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

WARNINGS

FORECASTS.

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.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.57	53	50	W 14	0	5	Holyhead ...	29.72	57	55	W 3	0	2
Sumburgh Head ...	29.50	44+	43	NNW 3	0	3	Valencia ...	29.76	60	58	N 1	omb	1
Stornoway ...	29.75	48	45	N 7	0	6	Silly ...	29.72	61	61	W 5	0	5
Aberdeen ...	29.66	48	42	WNW 5	0	3	Jersey ...	29.78	65	64	WNW 3	0	3
Shields ...	29.63	55	50	NE 1	0	2	Dungeness ...	29.74	61	60	SW 3	0	2
Ardrossan ...	29.62	50	51	WNW 3	0	2	London ...	29.70	65	60	SW 3	0	2
Malin Head ...	29.79	51	46	N 4	0	2	Yarmouth ...	29.67	62	58	W 4	0	2
Mullaghmore ...	29.80	54	50	N 5	0	3	Rochefort ...	30.01	75	71	NNW 4	0	2
Belmullet ...	29.82	55	49	NE 4	0	*							

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

The report for yesterday morning showed that pressure was giving way over western, while it was decreasing over Northern Europe, and that readings varied from between 29.2 in. and 30.1 in. over nearly the whole of Continental Europe, and from 29.8 in. off the west of Ireland to rather below 29.5 in. in a depression lying off the west of Norway, and to somewhat below 29.8 in. in a secondary disturbance off the south of Ireland. Thus, variable air and fine weather prevailed at nearly all the Continental stations, with mild dull weather, and misty drizzle at times over London, while in Scotland the wind was shifting to the N^W, with a considerable fall of the thermometer and cloudy unsettled weather. Temperature varied from 70° and more over the southern and western parts of the Mediterranean to considerably below 50° over Central Europe and the north of the British Isles, and to rather below the freezing point in several parts of Russia. The highest individual values were 76° at Barcelona, 72° at several of the Algerian stations, Malta and Biskia, 71° at San Fernando, 70° at Brindisi and Lisbon, 69° at Cagliari, 66° at Rochefort, and 61° at Kelly and Jersey and in London; the lowest were 29° at Haparanda and Helsingfors, 30° at Moscow, 31° at Uleaborg, 40° at Helsingland, 41° at Kiel and 45° at Berlin.

Later on the secondary disturbances over our Islands moved southwards, and, after a fall of rain the wind shifted to the N^W with much colder weather.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

CORRECTIONS AND ADDITIONS TO THE REPORTS FOR SEPT. 1888

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
				Direc.	Force. (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.			
1	Corunna...	*	*	*	*	*	30.33	+02	63	58	-1	NNE	8	b	7	66	55	-		
3	Corunna...	*	*	*	*	*	30.08	-15	61	56	-1	NE	1	b	4	68	50	-		
4	Corunna...	*	*	*	*	*	30.11	+03	63	61	+2	NNE	3	e	4	70	55	-		
5	Biarritz...	30.12	66	NW	3	0	30.21	+17	64	-	+3	NE	1	0	2	66	61	-		
-	Corunna...	*	*	*	*	*	30.21	+10	62	56	-1	NE	1	m	4	68	50	-		
6	Corunna...	*	*	*	*	*	30.19	-02	64	60	+2	NE	1	f	4	72	52	-		
7	Corunna...	*	*	*	*	*	30.16	-03	65	62	+1	NNE	8	0	6	72	59	-		
8	Belfort....	30.11	69	W	1	b	30.16	+03	56	54	-10	NNE	1	b	*	73	50	0.12		
-	Corunna...	*	*	*	*	*	30.15	-01	65	59	0	NE	7	b	6	68	54	-		
10	Haparanda	30.22	51	WSW	2	0	30.19	-10	52	51	+12	WSW	2	0	*	55	30	-		
-	Hernösand...	30.48	51	Z	0	0	30.40	-03	51	47	+4	SSW	4	b	*	57	37	-		
-	Stockholm...	30.54	46	Z	0	b	30.44	-04	54	50	+8	E	2	b	*	55	39	-		
-	Wesby....	30.47	48	NNE	4	b	30.36	-07	55	51	0	ESE	4	0	*	59	46	-		
-	Christiansborg	30.47	56	Z	0	b	30.35	-14	51	49	-1	ESE	3	0	2	54	52	-		
-	Corunna...	*	*	*	*	*	30.04	+01	61	55	-3	NE	1	t	4	68	48	-		
11	Corunna...	*	*	*	*	*	30.23	+19	63	58	+2	NNE	5	b	6	70	61	-		
12	Belfort....	30.32	62	E	1	b	30.43	+12	53	50	-3	E	1	b	*	67	39	-		
-	Corunna...	*	*	*	*	*	30.27	+14	64	59	+1	ENE	1	b	2	70	54	-		
13	Corunna...	*	*	*	*	*	30.10	-17	69	65	+5	NE	1	f	0	79	59	-		
14	Corunna...	*	*	*	*	*	30.08	-02	69	66	0	NE	1	f	0	73	61	0.08		
15	Corunna...	*	*	*	*	*	30.08	00	69	-	0	ENE	1	f	2	77	59	-		
17	Nice.....	30.02	69	E	3	0	29.90	-18	66	-	-5	E	4	bc	0	81	81	-		
19	Corunna...	*	*	*	*	*	29.93	-	64	63	-	NNE	3	f	?	73	61	0.12		
-	Malin Head 2pm	-	-	-	-	-	30.26	-	63	58	-	SE	2	b	2	-	-	-		
20	Corunna...	*	*	*	*	*	29.99	+06	62	61	-2	N	1	f	0	73	59	-		
22	Corunna...	*	*	*	*	*	30.01	-	62	61	-	N	1	0	7	70	59	-		
24	Belfort....	30.14	66	S	1	b	30.06	-11	62	51	0	S	1	b	*	73	51	-		
-	Corunna...	*	*	*	*	*	29.99	+06	63	60	+1	SSE	1	b	2	72	55	-		
25	Lyon.....	29.93	63	ESE	1	0	29.99	-08	58	-	+2	NNW	3	0	*	70	?	0.95		
-	Biarritz...	30.01	65	WNW	4	0	30.01	00	60	-	-6	SE	4	0	4	73	59	-		
-	Corunna...	*	*	*	*	*	29.93	-06	57	?	-6	NE	1	r	2	72	57	-		
26	Corunna...	*	*	*	*	*	30.01	+08	67	64	+10	SSW	3	b	2	75	?	-		
27	Biarritz....	30.07	68	NE	4	0	30.07	00	63	-	-2	SE	4	0	2	75	61	-		
-	Corunna...	*	*	*	*	*	30.04	+03	69	64	+2	SW	5	0	2	81	63	-		
28	Corunna...	*	*	*	*	*	30.04	00	72	67	+3	SW	4	e	3	79	64	-		
29	The Helder	30.04	54	E	1	0	29.65	-52	56	-	+4	S	1	f	0	55	52	-		
-	Corunna...	*	*	*	*	*	29.99	-05	68	63	-4	E	4	bc	2	82	59	-		

SUMMARY of the METEOROLOGICAL OBSERVATIONS made at TELEGRAPHIC REPORTING
 Observations are made at 8 a.m. daily, but the numbers of days of Rain, Snow, Hail,
 (The Stations are grouped in Districts, and then arranged in order of

Names of Districts.	Names of Stations.	Mean height of Barometer (at 32° Fahrenheit and Mean Sea Level) from observations made at 8 a.m.	Air Temperature.								Tension of Vapour
			At 8 a.m.	Means of			Absolute Extremes.				
				Minima	Maxima	Min. and Max. combined	Minimum	Date	Maximum	Date	
		ins.	°	°	°	°	°		°		ins.
0. SCOTLAND, N.	{ Sumburgh Head ...	30.050	49.9	45.2	54.2	49.7	34	25 th	60	13 th	0.310
	{ Wick ...	30.080	51.5	44.9	58.4	51.7	35	11 th	68	23 rd	334
	{ Stornoway ...	30.061	51.6	45.1	56.6	50.9	33	26 th	63	14 th	348
1. SCOTLAND, E.	{ Nairn ...	30.091	50.0	43.4	60.6	52.0	28	26 th	70	14 th	307
	{ Aberdeen ...	30.132	50.0	44.4	58.2	51.3	37	9 th + 30 th	66	12 th + 22 nd	307
	{ Leith ...	30.137	51.2	45.1	60.5	52.8	39	19 th	70	14 th + 15 th	318
2. ENGLAND, N.E.	{ Shields ...	30.138	50.7	45.8	58.6	52.2	38	30 th	67	5 th	321
	{ York ...	30.173	51.4	45.7	61.1	53.4	39	14 th + 17 th + 30 th	70	13 th	333
	{ Spurn Head ...	30.155	54.8	51.3	59.7	55.5	44	30 th	67	6 th	370
3. ENGLAND, E.	{ Yarmouth ...	30.140	56.2	52.3	60.8	56.6	45	1 st + 30 th	68	3 rd	402
	{ Cambridge ...	30.166	54.0	46.9	64.6	55.8	39	1 st	71	14 th	380
4. MIDLAND COUNTIES.	{ Loughborough ...	30.181	51.1	46.1	64.3	55.2	36	27 th	72	14 th + 17 th + 20 th	347
	{ Oxford ...	30.181	52.0	47.4	63.3	55.4	40	12 th	71	15 th	345
5. ENGLAND, S.	{ London ...	30.161	54.6	49.7	64.8	57.3	41	1 st	74	15 th	375
	{ Dungeness ...	30.125	56.1	51.0	63.4	57.2	40	12 th	71	24 th	390
	{ Hurst Castle ...	30.166	55.3	50.8	64.2	57.5	43	8 th + 9 th	68	15 th + 24 th	411
6. SCOTLAND, W.	Ardrossan ...	30.142	51.9	47.7	58.6	53.2	39	30 th	67	14 th	352
7. ENGLAND, N.W.	{ *Hawes Junction ...	28.917	48.1	42.4	56.4	49.4	33	30 th	66	15 th	308
	{ Barrow-in-Furness ...	30.156	52.4	49.7	59.6	54.7	40	30 th	65	13 th + 14 th + 20 th	348
	{ Liverpool Obs ^y (Bidston) ...	30.174	53.1	49.0	60.4	54.7	42	26 th	67	13 th + 14 th	324
	{ Holyhead ...	30.160	54.5	50.7	60.4	55.6	45	9 th	70	14 th	371
8. ENGLAND, S.W.	{ Pembroke ...	30.163	54.6	51.4	59.7	55.6	45	9 th	64	20 th	364
	{ Prawle Point ...	30.170	56.0	49.5	61.5	55.5	40	9 th	67	15 th + 16 th	397
9. IRELAND, N.	{ Malin Head ...	30.125	52.9	50.5	58.1	54.3	44	30 th	66	11 th	346
	{ Donaghadee ...	30.163	52.9	50.9	58.9	54.9	46	22 nd	65	26 th	367
	{ Mullaghmore ...	30.149	53.7	50.1	59.7	54.9	44	22 nd	69	14 th	346
	{ Belmullet ...	30.156	54.2	51.4	58.7	55.1	46	30 th	67	14 th	355
10. IRELAND, S.	{ Parsonstown ...	30.180	50.7	45.4	60.7	53.1	37	17 th + 18 th	69	14 th	329
	{ Valencia ...	30.178	56.0	48.9	61.8	55.4	42	9 th + 21 st	67	24 th	391
	{ Roche's Point ...	30.162	54.7	50.0	61.3	55.7	43	30 th	65	5 th + 7 th	369
CHANNEL ISLANDS.	{ Scilly (St. Mary's) ..	30.146	55.5	53.0	61.6	57.3	44	27 th	64	13 th + 15 th + 17 th + 28 th	403
	{ Jersey (Noirmont) ...	30.159	59.7	54.9	65.3	60.1	44	12 th	72	15 th	424
* Hawes Junction is 1135 feet above mean Sea Level and the											

* Hawes Junction is 1135 feet above mean Sea Level and the

STATIONS in the BRITISH ISLANDS during the Month of SEPTEMBER 1888.
 Thunderstorms and Gales are counted irrespective of the hours at which they occurred.
 Latitude, beginning in each case with the Station lying furthest North.)

Relative Humidity	Amount of Cloud	Rainfall.			Weather							Wind								
		Total Fall in the month	Maximum Fall in one day	Date	No. of Days of							No. of Observation of								
					Rain	Snow	Hail	Thunderstorms	Clear Sky	Overcast	Gales	North	N.E.	East	S.E.	South	S.W.	West	N.W.	Calms
%		ins.	in.																	
87	78	1.53	0.27	1 st	15	0	0	0	2	16	0	4	1	0	2	4	4	7	2	6
88	67	1.45	0.45	11 th	13	0	0	0	7	14	1	2	0	1	2	6	4	4	5	6
91	92	2.69	0.37	2 nd	18	0	0	0	0	23	8	2	2	1	0	1	15	3	1	5
85	64	0.80	0.14	15 th	12	0	0	0	5	11	0	0	0	1	0	1	9	5	1	13
85	61	1.86	0.35	1 st	14	1	1	0	6	10	1	3	0	0	1	9	1	10	6	0
84	67	0.46	0.17	15 th	7	0	0	0	7	13	0	0	0	4	1	0	1	12	4	8
87	85	1.20	0.38	1 st	11	0	0	0	2	19	0	2	3	1	1	3	12	7	1	0
88	69	1.14	0.31	1 st	10	0	0	0	5	16	0	2	3	5	2	1	4	5	6	2
86	54	2.26	0.54	10 th	11	0	0	0	6	5	2	4	4	6	1	0	5	5	3	2
89	51	1.24	0.27	24 th	15	0	2	1	9	14	0	3	7	3	1	0	3	6	4	3
91	66	1.02	0.35	3 rd	13	0	0	2	9	17	0	10	5	3	0	0	7	1	2	2
92	79	0.78	0.33	24 th	11	0	1	1	3	17	0	2	6	5	1	0	3	4	4	5
90	61	1.19	0.46	24 th	10	0	0	1	11	15	0	3	12	1	0	0	5	4	3	2
88	73	1.03	0.28	29 th	14	0	0	0	6	17	0	1	7	6	1	0	5	5	4	1
86	58	1.65	0.40	25 th	10	0	0	0	6	7	0	10	3	5	2	1	3	4	2	0
94	55	1.31	0.43	23 rd	8	0	0	1	8	5	0	3	13	2	0	0	3	4	4	1
91	70	0.33	0.13	1 st	9	0	0	0	7	17	0	1	8	5	0	2	3	3	4	4
92	57	2.70	1.58	1 st	16	0	0	0	11	12	0	1	8	5	1	2	7	3	2	1
88	59	1.34	0.75	1 st	10	0	0	0	6	10	2	3	13	4	2	0	5	0	3	0
87	70	0.68	0.14	1 st	12	0	0	0	9	19	0	1	2	4	10	2	5	5	1	0
88	53	1.17	0.43	1 st	13	0	0	0	9	7	0	2	3	5	2	2	4	3	3	6
85	60	0.90	0.35	27 th	9	0	0	0	6	8	0	3	5	9	4	2	3	2	2	0
88	63	1.33	0.65	2 nd	9	0	0	1	8	13	0	4	9	6	3	1	3	4	0	0
86	76	1.62	0.59	1 st	16	0	1	0	3	19	0	4	0	1	5	8	3	6	3	0
92	64	1.40	0.53	6 th	10	0	0	0	8	12	2	2	3	4	3	3	1	11	3	0
84	69	1.75	0.54	1 st	12	0	0	0	3	7	4	1	1	7	3	3	7	3	3	2
84	71	1.84	0.48	1 st	14	0	0	0	8	20	1	2	2	4	5	3	6	5	3	0
89	79	0.67	0.15	1 st 4 14 th	10	0	0	0	4	20	0	1	2	0	5	0	14	0	2	16
87	65	1.65	0.66	14 th	9	0	0	0	8	15	1	2	2	4	2	0	2	6	3	9
87	53	1.16	0.70	27 th	6	0	0	0	11	5	1	8	1	4	5	1	1	5	5	0
82	67	1.57	0.71	28 th	12	0	0	0	5	13	0	2	6	7	4	1	3	2	3	2
83	44	1.13	0.33	28 th	10	0	0	0	11	7	0	2	11	5	1	0	2	4	4	1

Barometric Observations at this Station are not corrected for altitude.

2. CORRECTIONS

DATE.	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Therm. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sec. (0 to 8.)	SHADE TEMP.				
				Miles.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)		Weather.	Miles.	Min.	Amount of Rainfall.	
1	Leith	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	
-	Malin Hd.	-	-	-	-	-	-	-	-	-	55	-	-	-	-	-	-	-	
-	Hurst Castle ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	-	
2	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.48	
3	Spurn Hd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	
4	Malin Hd.	29.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	Pembroke	-	-	-	-	-	29.90	-	-	-	-	-	-	-	-	-	-	-	
5	Leith	29.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	Shields	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain	
-	Malin Hd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.12	
-	Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	-	
6	Stornoway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.21	
-	Bonaghades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	-	
-	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	-	
8	Malin Hd. 2pm	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
9	Malin Hd.	-	-	-	-	-	-	-	-	-	-	-	ENE	1	-	-	-	-	
10	Malin Hd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-	
12	Loughborough ..	-	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	Malin Hd.	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	
-	Malin Hd. 2pm	-	-	-	-	-	-	-	-	58	53	-	-	-	-	-	-	-	
13	Malin Hd.	-	-	3	-	-	-	-	-	-	51	-	-	-	-	-	-	-	
-	Mullaghmore ..	-	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	-	
15	Shields	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	
16	Mullaghmore ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	
-	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	0.04	
18	Malin Hd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	-	
-	Mullaghmore ..	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	Hurst Castle ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	
19	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47	-	
20	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain	
-	Malin Hd. 2pm	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
21	Malin Hd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	
"	Spurn Hd.	30.34	57	ENE	3	6	30.27	-07	-	-	-	-	ENE	-	-	-	-	-	
25	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain	
27	Mullaghmore ..	-	-	-	-	-	30.06	-	-	-	-	-	-	-	-	-	-	-	
29	Spurn Hd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-	
-	Malin Hd.	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	
30	Malin Hd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06	