

METEOROLOGICAL OFFICE

LONDON.

DAILY WEATHER REPORTS.

1ST JULY - 31ST DECEMBER.

1888.

See Reg. Lond.

6/7/89

DAILY WEATHER REPORT.

July to December 1888.



DAILY WEATHER REPORT.

for Wednesday 1st AUGUST 1868.
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 10, Victoria Street, London. H. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.					3 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETR.		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 3 a.m. yesterday.	Dry.	Wet.	Difference from 3 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	29.63	56	ENE	4	2	29.48	-1.22	60	58	+4	2	0	0	*	66	52	0.53	
Hernösand ...	29.45	57	S	2	0	29.74	+0.2	59	52	-3	SW	6	6c	*	64	58	0.28	
Stockholm ...	29.72	59	SW	6	6	29.92	+0.2	59	52	-7	S	4	6	*	66	52	0.24	
Widby ...	29.63	64	ENE	4	6c	29.62	-0.03	63	58	-5	ENE	4	6	2	64	55	-	
Bodö ...	29.48	55	WNW	3	C	29.65	+0.17	51	50	-9	WNW	7	2	3	61	50	0.04	
Christiansund...	29.69	50	WNW	6	2	29.88	+0.19	54	50	-4	WNW	4	2	3	55	50	0.16	
Skudesnaes ...	29.50	59	WNW	5	6	29.67	+0.17	57	52	0	WNW	6	6	4	59	53	-	
Christiania Fjord (Fjorder)	29.61	54	NW	6	6	29.82	+0.21	53	50	0	WNW	7	6c	4	59	50	0.28	
Skagen (The Scaw)	29.88	58	W	6	C	29.99	+0.11	53	52	+1	NW	4	C	*	59	52	0.08	
Fanö ...	29.68	52	WNW	2	C	29.85	+0.17	52	49	+3	W	1	C	2	58	46	-	
Sumburgh Head	29.84	56	W	3	C	29.93	+0.09	54	52	+1	W	2	0	3	59	42	0.06	
Stornoway ...	29.83	56	NW	3	6c	29.94	+0.11	56	52	+4	NW	2	C	1	59	59	-	
Wick ...	29.84	56	W	1	6c	29.96	+0.12	53	49	+4	W	2	C	1	60	46	-	
Nairn ...	29.86	54	W	2	C	29.98	+0.12	54	49	+4	NW	1	6	1	60	41	0.01	
Aberdeen...	29.85	58	W	2	C	29.99	+0.14	57	51	+1	W	1	6	*	67	48	-	
Leith ...	29.93	52	E	2	6	29.99	+0.06	54	49	+5	WNW	2	2	2	58	48	-	
Shields ...	29.94	54	WNW	3	6	30.02	+0.08	56	54	+2	S	1	6	3	59	53	-	
Spurn Head ...	29.92	56	E	1	0	30.02	+0.10	46	46	-5	E	1	f	*	64	43	0.14	
York ...	29.93	58	E	1	C	30.01	+0.08	57	51	+4	E	1	6c	*	51	47	-	
Loughborough	29.88	58	WNW	3	6	30.00	+0.12	53	50	+3	WNW	1	6c	0	58	42	-	
Ardrossan ...	29.92	54	N	1	6	30.00	+0.08	53	51	+2	WNW	2	6c	2	58	48	0.03	
Malin Head ...	29.92	57	WNW	4	6c	30.02	+0.10	53	53	+6	WNW	1	6c	1	61	48	0.02	
Mullaghmore ...	29.95	57	N	1	6	30.04	+0.09	53	52	-1	NW	1	C	*	59	42	-	
Belmullet ...	29.92	57	N	1	6c	30.02	+0.10	54	51	+3	WNW	2	6	1	60	51	0.01	
Donaghadee ...	29.90	58	NW	2	6	29.99	+0.09	52	49	+3	WNW	2	6	*	59	46	-	
Barrow-in-Furness	29.92	58	NW	1	6	30.01	+0.09	57	52	+5	NW	1	6m	1	61	48	-	
Liverpool (Bidston)	29.92	55	WNW	2	6	30.00	+0.08	59	54	+5	WNW	1	6c	1	60	48	-	
Holyhead ...	29.92	57	WNW	3	0	30.02	+0.10	46	46	-8	W	2	0	f	62	42	0.06	
Parsonstown ...	29.96	58	WNW	2	0m	30.02	+0.06	57	54	-2	W	2	0	6c	62	47	-	
Valencia ...	29.95	54	WNW	3	C	29.98	+0.03	53	52	0	N	2	C	3	61	51	0.05	
Roche's Point...	29.91	57	NE	2	6	30.00	+0.09	53	53	+2	E	1	6	0	60	49	-	
Pembroke ...	29.91	59	N	2	0	29.96	+0.05	61	57	+4	W	2	0	C	61	52	0.02	
Scilly ...	29.89	57	N	1	0	29.96	+0.07	54	54	0	ENE	2	p q	1	60	51	0.58	
Prawle Point ...	29.88	60	WNW	3	C	29.96	+0.08	53	56	-1	W	3	6m	3	65	53	0.53	
Jersey ...	29.90	58	E	3	C	29.98	+0.08	54	54	0	WNW	4	6c	2	62	53	0.04	
Hurst Castle ...	29.87	58	E	3	6c	29.92	+0.05	60	57	+3	WNW	2	C	2	65	54	0.13	
Dungeness ...	29.91	58	WNW	2	0	29.95	+0.04	51	50	-1	NE	2	0	*	58	51	0.84	
London ...	29.95	54	NW	2	0	30.00	+0.05	51	50	-1	NE	2	0	*	59	49	0.14	
Oxford ...	29.95	56	N	1	0	29.99	+0.04	51	50	-1	NE	1	0	*	60	47	0.01	
Cambridge ...	29.94	58	NE	3	6c	29.99	+0.05	53	52	+1	WNW	4	6c	3	59	51	-	
Yarmouth ...	29.89	55	WNW	4	C	30.06	+0.17	57	54	-2	WNW	1	C	*	59	51	0.02	
Cuxhaven ...	29.93	67	W	0	6	29.99	+0.06	61	58	-3	W	2	0	*	70	57	-	
Berlin ...	*	*	*	*	*	30.01	+0.02	59	57	-4	SW	1	0	*	70	52	-	
Wiesbaden ...	30.10	57	W	0	2	30.07	+0.03	57	56	-1	NW	3	0	*	64	55	0.39	
Munich ...																		
GERMANY.																		
FRANCE & NETHERLANDS.																		
The Helder ...	29.96	55	WNW	1	C	30.01	+0.05	56	50	0	NE	3	C	2	59	54	-	
Brussels ...	*	*	*	*	*	29.97	+0.02	58	56	0	W	1	C	*	66	58	0.32	
Cape Gris Nez...	29.91	57	E	4	C	29.93	+0.02	56	56	+1	ENE	4	0	2	66	54	0.16	
Paris ...	29.94	63	WNW	2	0	30.00	+0.06	56	53	-3	SW	1	0	*	72	52	0.84	
Brest ...	29.94	60	WNW	4	6	30.03	+0.09	55	54	-1	WNW	3	C	4	70	46	-	
Lorient ...	29.96	62	W	7	6c	30.02	+0.06	58	56	-1	WNW	3	6c	4	63	58	-	
Rocheport ...	30.03	65	W	5	6c	30.09	+0.06	62	58	0	WNW	5	6	2	68	53	0.23	
Belfort ...	30.01	52	SW	1	0	30.06	+0.05	59	58	-1	W	1	0	*	71	53	-	
Lyons ...	29.99	65	WNW	1	C	30.06	+0.07	62	57	+4	W	1	6c	*	70	56	-	
Nice ...	29.97	71	SW	4	6	29.95	-0.02	69	65	-1	W	1	6	0	77	63	-	
Perpignan ...	29.98	70	X	0	0	30.10	+0.12	66	58	-1	NW	4	6c	*	80	60	0.04	
Biarritz ...	30.06	70	N	4	6	30.17	+0.17	59	53	-4	NW	5	2	2	73	57	0.20	
Corunna ...	*	*	*	*	*													
Lisbon ...	30.22	65	N	5	6	30.27	+0.05	62	56	-4	WNW	5	6c	4	73	57	-	
PENINSULA.																		

For Explanation of Columns, see p. 4.

‡ Received too late for insertion in *Chron* on p. 2.

WEATHER CHARTS

for 8 a.m. on Wednesday, 1st August, 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.

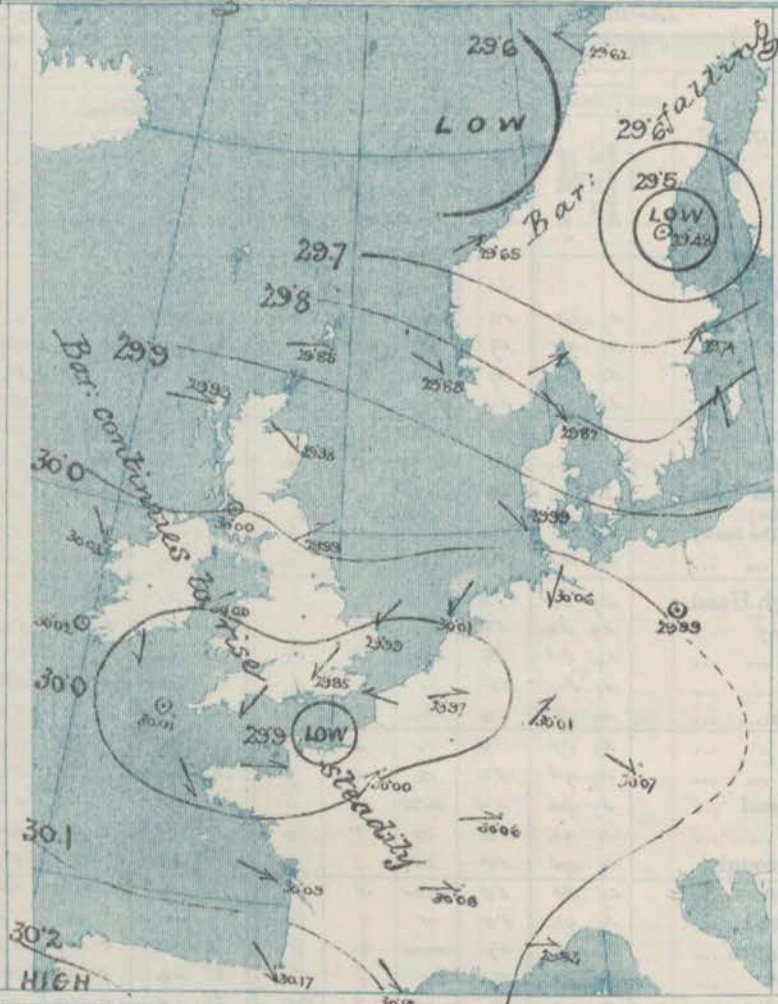
— Rough — High

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS
	ins.
Sumburgh Head	29.783
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



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.

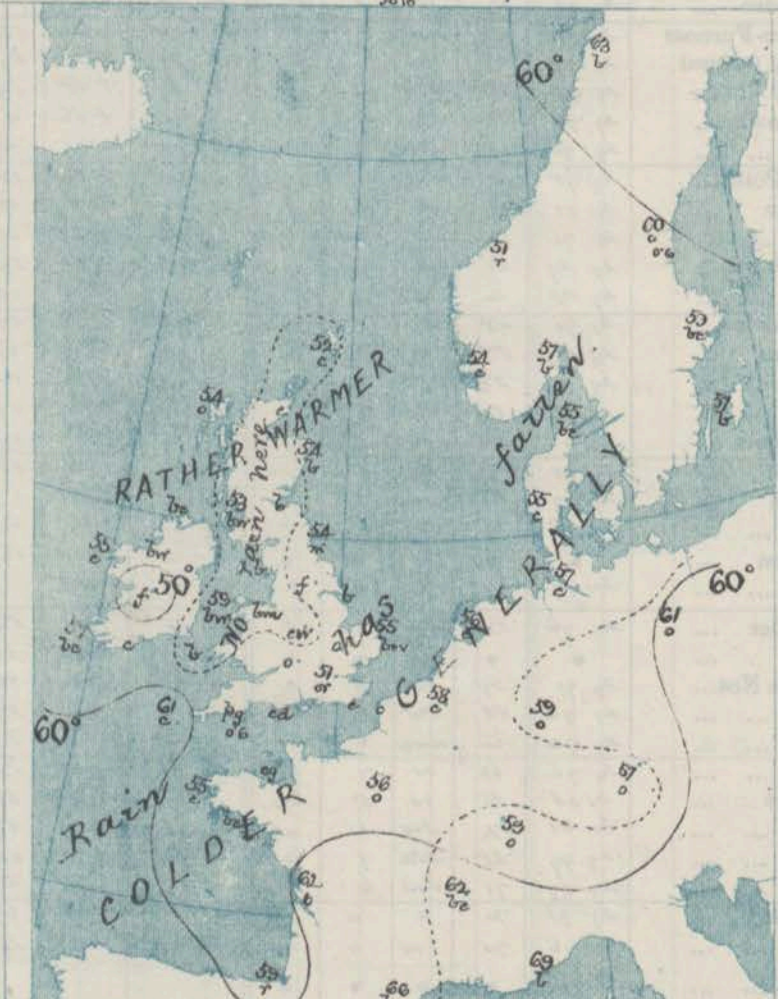
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of August.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.	57.9	48.5	53.8	52.0	3.21
Stornoway.	58.5	49.0	55.2	53.3	3.57
Wick.	61.1	48.5	55.2	53.2	2.35
Nairn.	63.4	50.2	55.6	52.7	2.81
Aberdeen.	63.1	50.2	56.7	53.6	3.13
Leith.	65.8	51.4	57.6	54.6	2.62
Shields.	63.5	52.3	57.5	54.9	2.81
York.	68.1	51.4	58.0	55.3	2.47
Loughborough.	70.5	52.1	59.9	57.4	2.61
Ardrossan.	64.0	53.1	57.3	54.9	4.08
Donaghadee.	61.8	52.0	57.0	55.5	2.99
Holyhead.	64.3	55.0	58.5	56.4	2.89
Liverpool.	65.7	54.3	58.7	55.5	2.79
Parsonstown.	66.2	51.7	57.6	55.7	3.48
Valencia.	65.0	54.1	59.4	57.0	4.65
Roche's Point.	66.6	53.9	59.0	56.4	3.59
Pembroke.	63.7	55.8	58.9	56.6	2.91
Scilly.	64.9	57.2	61.1	59.0	2.45
Jersey.	69.0	57.4	63.1	60.0	2.26
Hurst Castle.	68.1	56.1	61.2	59.1	2.31
Dover.	67.1	57.2	62.6	59.0	2.06
LONDON.	71.8	58.7	61.4	57.8	2.20
Oxford.	69.2	53.4	59.2	56.4	2.33
Cambridge.	71.3	52.1	60.2	57.3	2.25
Yarmouth.	66.4	55.1	60.8	57.9	2.17

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 30.10 ins. and more over Spain and the southwest of France, and 30.0 ins. and more over Ireland, North Wales and central England, France and Holland. Lowest 29.5 ins. and less near Harwich (Sweden); and about 29.9 ins. over the eastern part of the English Channel. Gradients slight and irregular in the Islands and France, moderate for W. winds in Norway. Barometer rising in most places, but not very decidedly, except in the north.
TEMPERATURE	Highest 69° at Hiss, 66° at Perpignan, also 63° at Bodo, and 60° at Harwich. Lowest 46°, locally at Parsonstown - where fog prevails, 51° at Christiansund, Oxford, Cambridge, and London. 52° at Lumburg Head, and 53° at Naism. In Scotland and the north of Ireland it has risen; in England it has changed irregularly.
WIND	Strong from between SW and NW in Norway and Denmark, light to fresh from NW in the Bay of Biscay. Over the British Islands it is very variable - chiefly W. at the northern stations and NE. in the south.
WEATHER	Fair over the greater part of our Islands - rainy in the south as well as at Biarritz and Christiansund, fog at Parsonstown, drenching at Rochefort. Over France and Germany it is cloudy generally. Rain has fallen generally in Scandinavia, Denmark, the south of England and north of France - local showers have occurred elsewhere.
SEA	Is very little disturbed.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the local depression over the Channel has not filled up it is probable that showery unsettled weather will continue over the southern districts. In the west and north however, fair weather is probable.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW. and W. breezes, light, fair as a whole.	6 SCOTLAND WEST	Varying light breezes, fair generally, some fog.
1 SCOTLAND EAST		7 ENGLAND N. W.	
2 ENGLAND N. E.		8 ENGLAND S. W.	N. airs and calms, fair as a whole.
3 ENGLAND EAST	NE. breezes, light, changing, rain at times with bright intervals.	9 IRELAND NORTH	Variable airs, fair generally.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH			
		WARNINGS	None Issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wav.	Sea.		Bar.	Dry.	Wet.	Wind.	Wav.	Sea.
Skudesnæs ...	29.53	53	52	WNW 6	0	4	Holyhead ...	29.90	56	52	NNW 3	6	2
Sumburgh Head ...	29.66	52	62	NNW 4	C	4	Valencia ...	29.94	61	57	NNW 2	C m	2
Stornoway ...	29.52	57	57	W 2	C	3	Sailly ...	29.87	60	56	N 4	C	4
Aberdeen ...	29.88	53	50	NNW 3	62	2	Jersey ...	29.85	63	59	NNW 3	C	2
Shields ...	29.87	57	57	E 2	6C	2	Dungeness ...	29.88	58	55	S 1	C	1
Ardrossan ...	29.85	55	51	NNW 3	C	2	London ...	29.89	58	54	NNW 1	0	1
Malin Head ...	29.72	56	51	N 2	6	5	Yarmouth ...	29.88	53	54	NNW 3	6C	4
Mallaghmore ...	29.90	60	54	NW 1	6	1	Rochefort ...	29.97	68	62	W 7	C	2
Belmullet ...	29.94	58	52	NNW 2	6	*							

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

The reports for yesterday morning showed that an anticyclone with readings above 30.1 ins was lying to the southwest of Spain, while another area of similar height existed over central Russia. The lowest readings 29.4 ins. and less, were found in a depression lying off the west of Norway, and also in a secondary disturbance lying over Denmark, while in addition to these systems there was a small shallow depression with readings below 29.7 ins. near the mouth of the Channel. The wind was moderate from the NW^W over the North Sea and adjacent coasts, and light from the SE and S over the Baltic. Over France and Germany however, the wind was chiefly SW^W while over southern Europe it was light and variable. The weather was fine in the west and north of our Islands, as well as in Spain, Italy and Austria, but elsewhere the sky was cloudy or overcast with rain in many places. Temperature had fallen a little in our Islands and the west and north of France, as well as at some of the Russian stations, but risen elsewhere; readings ranged from 80° and upwards, over Algeria, and 75° and upwards, over south Italy to 55° or less over all the northern and eastern parts of the United Kingdom. The highest individual readings were 88° at Biskra, 86° at Laghouat, 85° at Cagliari, 82° at Algiers, 81° at Brindisi and La Calle, and 78° at Lefina; the lowest were 57° at Sumburgh Head, 55° at Naun and Aberdeen, 51° at Shields, York and Barrow-in-Furness, 52° in the north of Ireland, and 53° over central England, as well as at Fano.

In the course of the day the Norwegian depression travelled away to the northwestward, while the small disturbance near the mouth of the Channel moved slowly eastwards. The latter system occasioned steady rain over the southeast 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 Thursday 2nd August

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 ..	29.69	53	S	4	0		29.73	+0.2	54	54	-8	ESE	4	2	*		72	46	0.20
Hernösand ...	29.67	59	S	2	0		29.82	+0.4	54	49	-6	NNW	2	0	*		66	54	0.04
Stockholm ...	29.89	53	SW	2	6		29.95	+0.1	56	52	-2	S	0	0	*		68	52	-
Wishy ...	20.01	53	SW	4	6		20.02	+0.10	55	51	-2	NW	4	6	*		64	54	-
Bodö ...	29.67	57	X	0	0		29.73	+0.11	49	48	-14	SW	6	2	3		64	48	0.35
Christiansund...	29.89	8	NNW	6	0		29.78	+0.22	48	45	-2	NNW	7	2	4		50	45	0.20
Skudesnaes ...	20.02	52	NNW	2	C		20.10	+0.22	53	51	+1	NNW	2	C	2		57	52	-
Christiania Fjord (Fjord)	29.84	62	N	4	6		29.99	+0.22	56	48	-1	NNW	2	6	1		63	54	-
Skagen (The Scaw)	29.96	58	NNW	3	6		20.02	+0.20	58	50	0	NW	2	6	2		61	50	-
Fanö ...	20.09	51	NNW	2	6		20.08	+0.09	58	58	0	N	4	60	*		61	48	-
BRITISH ISLANDS.																			
Sumburgh Head	20.04	54	N	2	60		20.05	+0.20	55	51	+3	SW	1	6	1		57	46	-
Stornoway ...	29.99	57	N	2	60		20.02	+0.09	54	52	0	SW	4	C	4		60	41	0.05
Wick ...	20.01	52	SW	1	C		20.08	+0.14	54	51	-2	S	2	60	1		57	37	0.40
Nairn ...	20.00	59	2	0	6		20.07	+0.11	54	50	+1	N	1	6	1		65	40	-
Aberdeen...	20.05	54	SE	1	6		20.12	+0.14	55	52	+1	S	1	60	1		59	42	0.06
Leith ...	20.04	56	E	1	60		20.11	+0.12	56	52	-1	NN	1	60	*		64	44	-
Shields ...	20.02	56	SE	3	60		20.10	+0.11	51	50	-2	S	0	60	2		60	45	-
Spurn Head ...	20.02	56	ESE	2	6		20.12	+0.10	57	56	+1	ESE	2	6	2		58	49	-
York ...	20.02	53	E	1	0		20.13	+0.11	53	51	+7	SE	1	6	*		62	45	0.01
Loughborough	20.02	62	ESE	2	C		20.13	+0.12	56	53	-1	NNE	1	CNE	*		66	46	-
Ardrossan ...	20.03	60	NNW	1	60		20.12	+0.12	53	51	0	SW	1	CNE	0		60	48	-
Malin Head ...	20.02	59	NW	2	6		20.11	+0.11	53	51	+2	SW	2	6	2		59	48	-
Mullaghmore ...	20.07	58	NW	4	60		20.14	+0.12	53	51	-2	SW	2	CNE	2		61	47	-
Belmullet ...	20.10	58	NNW	2	6		20.14	+0.10	57	52	+2	NNW	3	3	*		59	47	-
Donaghadee ...	20.07	58	SE	3	60		20.15	+0.12	56	51	+2	NE	2	60	1		60	52	-
Barrow-in-Furness	20.01	54	NNW	3	6		20.11	+0.12	53	51	+1	N	1	60	*		61	49	-
Liverpool (Bidston)	20.02	58	NW	1	60		20.13	+0.12	57	54	0	N	3	6	2		63	49	-
Holyhead ...	20.04	58	NNE	2	6		20.14	+0.14	60	56	+1	S	0	60	0		60	52	-
Parsonstown ...	20.10	54	SW	1	2		20.18	+0.16	51	49	+5	S	0	0	*		65	42	0.02
Valencia ...	20.10	59	N	2	6		20.20	+0.18	59	56	+2	S	0	60	1		63	43	-
Roche's Point...	20.07	58	NNW	2	C		20.17	+0.19	55	52	0	NNW	1	6	2		61	49	-
Pembroke ...	20.02	59	NNW	1	60		20.15	+0.15	56	54	+1	NN	1	6	0		62	50	-
Scilly ...	20.02	60	N	2	C		20.16	+0.20	59	56	-2	NNW	1	60	2		62	52	-
Prawle Point ...	20.01	57	ESE	2	0		20.14	+0.18	59	54	+5	NNW	1	60	0		61	50	0.01
Jersey ...	20.01	60	NNW	3	60		20.13	+0.17	58	54	0	NW	4	60	2		68	51	-
Hurst Castle ...	29.98	53	NNE	4	Cd p		20.10	+0.17	56	52	+2	NNE	5	6	2		58	52	0.01
Dungeness ...	29.92	60	SW	2	6		20.00	+0.08	58	58	-2	SE	2	C	1		63	54	0.04
London ...	29.96	56	ESE	2	og p		20.07	+0.12	58	54	+4	NE	2	0	*		58	51	1.26
Oxford ...	20.02	51	N	2	2		20.12	+0.12	56	54	+5	N	2	60	*		56	48	0.09
Cambridge ...	20.04	56	N	1	0		20.11	+0.12	58	54	+7	N	1	60	*		59	50	0.12
Yarmouth ...	20.00	58	ESE	4	60		20.07	+0.08	56	52	+1	NE	4	60	4		59	54	0.08
Cuxhaven ...	20.05	58	NE	4	2		20.05	-0.01	56	53	-1	NE	5	2	*		57	52	0.56
Berlin ...	20.02	62	X	0	0		29.99	0.0	62	60	+1	S	0	0	*		68	57	0.08
Wiesbaden ...	*	*	*	*	*		20.01	0.0	59	57	0	SW	1	0	*		72	54	-
Munich ...	20.08	58	X	0	0		20.00	-0.07	56	55	-1	NW	4	0	*		61	50	0.24
FRANCE & NETHERLANDS.																			
The Helder ...	20.02	58	ESE	3	C		20.02	+0.02	56	54	0	NE	3	2	2		61	53	0.12
Brussels ...	*	*	*	*	*		20.02	+0.05	56	54	-2	ESE	1	0	*		68	53	0.04
Cape Gris Nez...	29.95	61	NE	1	6		20.01	+0.08	55	54	-1	SE	1	2	1		66	54	0.24
Paris ...	29.98	64	NNW	3	60		20.05	+0.05	52	51	-4	SW	1	6	*		70	47	-
Brest ...	20.13	58	NW	3	C		20.08	+0.05	56	54	+1	NNW	1	6	1		70	46	-
Lorient ...	20.08	60	NNW	7	6		20.15	+0.13	55	54	-3	NW	4	6	2		63	54	-
Rochefort ...	20.12	62	NNW	7	60		20.20	+0.11	60	57	-2	SE	4	C	2		70	54	0.12
Belfort ...	20.02	68	SW	1	6		20.01	-0.05	53	53	-4	N	1	0	*		70	51	0.20
Lyons ...	29.97	65	E	1	60		20.10	+0.04	53	51	-9	NNW	3	2	*		71	52	0.04
Nice ...	29.90	76	SW	5	60		29.88	-0.07	69	52	0	NW	5	0	2		84	63	-
Perpignan ...	20.04	68	NW	3	C		20.14	+0.04	62	54	-4	NW	5	6	*		85	58	-
Biarritz ...	20.15	62	N	7	0		20.22	+0.05	59	58	0	SW	7	60	2		66	54	0.58
PENINSULA.																			
Corunna ...	*	*	*	*	*														
Lisbon ...	20.26	64	NNW	7	6		20.29	+0.02	64	56	+2	N	4	6	2		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 Thursday, 2nd August

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. 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.

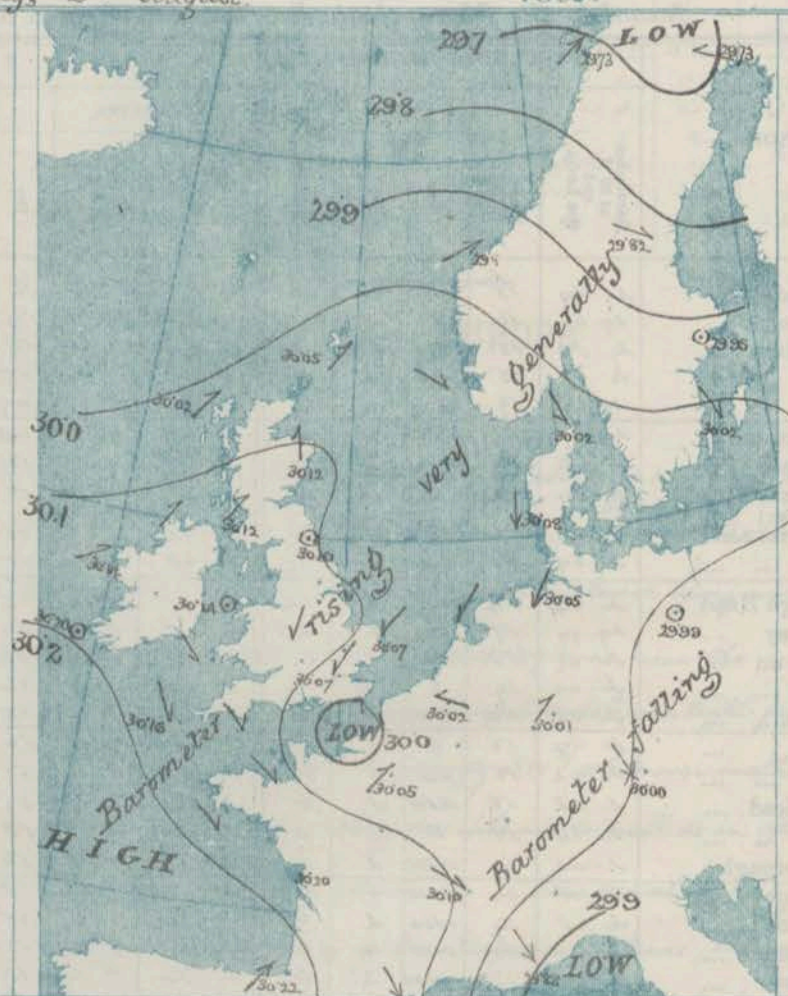
Sea Disturbance — where considerable, is shown thus.

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

at 3 a.m. for the month of August
During the 15 Years 1871–1885

STATIONS.	MEAN READINGS.
Sumburgh Head	29.798
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.980
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



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 August

STATIONS	TEMPERATURE				RAINFALL (Inches.)
	Daily Max	Daily Min	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	58.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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. and more, over the whole of the Bay of Biscay and the Spanish Peninsula. Lowest 29.7 ins. over Lapland, 29.9 ins. and less, over the Gulf of Genoa, and 30.0 ins. in a small depression lying off Hastings. Gradients slight except in the southeast of France. Barometer rising slowly except in the southeast of France.
TEMPERATURE	Highest 69° at Nire, 64° at Lisbon, 62° at Béziers and at Berlin. Lowest 48° at Christiansund, 49° at Bodo, 53° at Ardrossan, and 54° at Wick and Nairn. The high temperature in Lapland has now given way.
WIND	Strong SW ^{ly} in the northwest of Norway and also at Biarritz. Light and variable in our Islands, but moderate NE ^{ly} on our southeast coasts. Light NW ^{ly} on our southwestern coasts and in the west of France.
WEATHER	Fair at present in most places, but not settled. Still very unsettled in the southeast of England. Thunder and lightning have occurred in several places - very heavy rain in London.
SEA	Moderate in the extreme north, and at Falmouth, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is at present no decided indication of any material change of weather.

FORECASTS

For the 24 hours ending at NOON on 3rd AUGUST 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW ^{ly} and variable winds; light; fair generally.	6 SCOTLAND WEST	SW ^{ly} and variable winds; fair as a whole.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	Variable winds; fair as a whole.	8 ENGLAND S.W.	NE ^{ly} breezes; light; fine.
3 ENGLAND EAST	Same as N° 5.	9 IRELAND NORTH	Same as N° 6 and 7.
4 MIDLAND COUNTIES	Same as N° 2.	10 IRELAND SOUTH	Variable winds; fine generally.
5 ENGLAND SOUTH	NE ^{ly} breezes; light; rain at times, heavy locally.	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 ...	29.97	59	50	WNW 5	c	0	Holyhead ...	30.04	56	53	N 2	b	2
Sumburgh Head ...	29.92	56	52	N 2	bc	2	Valencia ...	30.08	62	57	NNW 2	bcq	3
Stornoway ...	29.97	53	52	N 2	c	2	Sailly ...	30.00	62	56	N 2	bc	3
Aberdeen ...	30.05	54	51	SE 2	c p	1	Jersey ...	30.00	61	57	NNW 2	bc	3
Shields ...	30.02	56	51	SE 2	c	2	Dungeness ...	29.91	61	58	SW 2	c	5
Ardrossan ...	30.02	58	53	SW 2	b	2	London ...	29.96	57	55	N 1	0	5
Malin Head ...	30.04	57	53	NW 1	b	0	Yarmouth ...	30.01	58	54	R 4	c	4
Mullaghmore ...	30.05	57	53	NW 4	b v	2	Rochefort ...	30.12	67	60	WNW 5	c	2
Belmullet ...	30.08	58	51	NNW 1	bc	4							

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

The reports for yesterday morning showed, that areas of high pressure (30.2 ins. and upwards) existed respectively over Portugal and central Russia, while depressions in which readings were below 29.6 ins. were reported over and to the northwest of Scandinavia. In addition to the latter however, a small, shallow disturbance with readings below 29.9 ins. was lying over the eastern parts of the English Channel, while another system with similar readings was shown over the Gulf of Genoa. The wind was NE^{ly} over the Netherlands and southeast of England and variable in Austria and Italy, but elsewhere it was chiefly W^{ly}. The weather was fair in Italy, Algeria, the west and north of our Islands and the south of Russia, but cloudy or overcast elsewhere with rain in many places. Temperature had risen a little in the north of our Islands and also in Austria and Russia, but fallen elsewhere; readings ranged from 80° and upwards, at some of the Algerian stations, and 75° and upwards, in many parts of southern Europe to 55° or less, in the northern and eastern parts of the United Kingdom. The highest individual readings were 91° at Rishra, 86° at La Calle, 82° at Baglioni, 81° at Tunis, 79° at Brindisi, and 78° at Barcelona, Oran and Laghouat; the lowest were 46° at York and Parsonstown, 51° at Christiansund, Oxford, Cambridge and in London, 52° at Sumburgh Head and Barrow in Furness, and 53° at Nairn, Ardrossan and Malin Head.

In the course of the day the barometer rose over the greater part of western Europe, but the depression over the eastern part of the Channel remained almost stationary, and very unsettled weather continued to prevail in the southeast of England. In London a thunderstorm with heavy and continuous rain was experienced during the night.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Poupart 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 3rd AUGUST 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 ..	29.71	SE	2	2	29.73	+0.0	53	54	+1	S	2	0	*		63	43	0.47
	Hernösand ...	29.95	NW	4	C	29.95	+1.2	53	49	+1	NW	4	6C	*		63	52	—
	Stockholm ...	29.97	X	0	6	30.01	+0.6	53	51	+2	N	2	6C	*		72	46	—
	Wisby ...	29.99	NW	2	6	29.96	-0.6	53	57	+4	NW	4	6C	*		75	54	—
	Bodö ...	29.80	WSW	5	2	29.86	+1.3	48	48	-1	WSW	4	6C	3		?	?	0.75
	Christiansund...	30.07	WSW	6	C	30.12	+1.4	51	49	+2	SW	6	0	4		52	?	—
	Skudesnaes ...	30.15	NW	4	6	30.15	+0.5	56	56	+1	NNW	2	6	2		59	52	—
	Christiania Fjord (Farder)	29.97	SW	3	6	30.05	+0.6	56	49	0	NNW	5	6	2		61	56	—
	Skagen (The Scaw)	30.04	W	1	6	30.03	+0.1	56	54	+1	SW	1	6	0		64	48	—
	Fanö ...	30.11	N	2	6	30.11	+0.3	53	53	+3	NNW	5	6	*		63	50	—
BRITISH ISLANDS.	Sumburgh Head	30.03	SW	1	6	30.02	-0.3	53	53	0	S	1	C	1		59	48	—
	Stornoway ...	30.04	SW	4	0	29.89	-1.3	52	52	-2	S	6	2	6		59	49	0.35
	Wick ...	30.10	NW	1	6C	30.00	-0.8	53	51	-1	S	3	C	1		60	49	0.01
	Nairn ...	30.07	W	2	C	30.00	-0.7	57	51	+3	WSW	1	6C	1		65	45	—
	Aberdeen...	30.14	S	2	2	30.09	-0.3	56	52	+1	S	1	C	1		60	44	0.26
	Leith ...	30.13	NW	1	6	30.11	0.0	53	53	+2	S	1	om	*		66	45	—
	Shields ...	30.13	ENE	3	6C	30.15	+0.5	53	52	+7	SW	2	m	2		58	48	—
	Spurn Head ...	30.17	ENE	3	6C	30.20	+0.8	56	55	-1	N	2	6C	2		58	51	—
	York ...	30.18	E	1	0	30.21	+0.8	51	50	-2	ENE	1	f	*		67	43	—
	Loughborough	30.17	NNE	1	C	30.23	+1.0	56	53	0	W	1	2	*		72	45	0.04
GERMANY.	Ardrossan ...	30.13	SW	2	C	30.09	-0.3	56	55	+3	S	2	0	2		60	52	—
	Malin Head ...	30.12	W	2	0	30.00	-1.1	53	52	-2	SW	5	ogz	3		62	51	—
	Mullaghmore ...	30.14	SW	2	Cp	30.04	-1.0	55	53	0	SW	6	0	4		63	49	0.05
	Balmullet ...	30.15	WSW	3	6C	30.02	-1.2	59	56	+2	WSW	4	0	*		61	54	0.05
	Donaghadee ...	30.16	SW	5	C	30.12	-0.2	55	53	-1	WSW	4	0	2		60	50	—
	Barrow-in-Farness	30.13	NW	2	6C	30.20	+0.9	56	54	+3	SE	3	0	*		62	51	—
	Liverpool (Bidston)	30.13	NW	1	6	30.21	+0.8	53	53	+1	SE	1	C	2		62	48	—
	Holyhead ...	30.13	NW	1	6	30.13	+0.4	56	54	-4	SW	4	car	3		62	52	—
	Parsonstown ...	30.16	2	0	6C	30.15	-0.3	53	53	+4	SE	2	C	*		65	45	—
	Valencia ...	30.21	S	3	6C	30.15	-0.5	59	53	0	S	4	0	4		62	55	—
FRANCE & NETHERLANDS.	Roche's Point...	30.20	SW	3	6	30.19	+0.2	60	57	+5	SW	3	6C	3		64	48	—
	Pembroke ...	30.20	W	2	6	30.24	+0.9	53	53	+2	SW	2	6C	?		61	53	—
	Scilly ...	30.22	WSW	1	6C	30.25	+0.9	61	56	+2	WSW	1	6	2		63	53	—
	Prawle Point ...	30.20	WSW	2	C	30.23	+1.4	59	55	0	NNW	1	6C	0		61	49	0.10
	Jersey ...	30.23	WSW	3	6C	30.20	+1.7	59	56	+1	NNW	3	6C	3		64	50	—
	Hurst Castle ...	30.13	WSW	3	6C	30.23	+1.8	59	56	+3	2	0	m	1		67	49	—
	Dungeness ...	30.14	NW	3	C	30.26	+1.2	60	53	+2	S	1	C	1		63	48	0.01
	London ...	30.17	NNE	2	6C	30.24	+1.7	61	57	+6	WSW	2	6C	*		65	44	—
	Oxford ...	30.20	2	0	C	30.26	+1.4	55	51	-1	WSW	1	6	*		67	47	—
	Cambridge ...	30.19	N	1	6	30.24	+1.3	57	55	-1	S	1	6	*		68	47	—
PENINSULA.	Yarmouth ...	30.16	NW	3	6	30.23	+1.6	57	55	+1	WSW	1	6C	2		62	46	—
	Cuxhaven ...	30.11	NW	4	2	30.14	+0.9	59	56	+3	N	5	6	*		59	53	0.04
	Berlin ...	29.91	NNW	3	2	29.89	-1.0	56	52	-6	NW	5	0	*		68	54	0.16
	Wiesbaden ...	*	*	*	*	30.15	+1.4	59	54	0	NW	2	C	*		68	53	0.16
	Munich ...	29.95	SW	5	2	30.11	+1.1	50	49	-6	SW	6	2	*		63	48	2.40
	The Helder ...	30.14	NNE	3	6	30.23	+1.2	57	53	+1	NNW	1	6	1		61	54	0.16
	Brussels ...	*	*	*	*	30.26	+1.4	56	53	0	NW	3	6C	*		65	53	0.20
	Cape Gris Nez...	30.14	NNE	7	C	30.24	+1.3	57	57	+4	2	0	6C	3		63	54	0.20
	Paris ...	30.13	NNW	3	0	30.29	+1.4	53	53	+3	NNE	3	0	*		67	51	0.12
	Brest ...	30.23	NNW	3	6	30.26	+1.3	53	53	-1	2	0	m	2		70	46	—
PENINSULA.	Lorient ...	30.23	NNW	7	6C	30.22	+1.7	53	?	0	R	1	C	2		63	54	0.98
	Rochefort ...	30.20	NW	7	6C	30.24	+1.4	59	57	-1	NW	4	C	2		68	50	—
	Belfort ...	30.11	W	1	0	30.25	+1.2	53	52	-2	W	1	0	*		59	50	—
	Lyons ...	30.17	NNW	4	6	30.23	+1.3	56	52	+3	NW	3	C	*		65	51	—
	Nice ...	29.81	W	3	6	29.95	+0.7	66	51	-3	E	1	6	0		79	57	—
	Perpignan ...	30.19	NW	5	6	30.23	+1.4	64	57	+2	NW	3	C	*		77	53	—
	Biarritz ...	30.31	NNW	4	C	30.31	+0.9	56	54	-3	ENE	3	m	1		66	54	0.16
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*	*
	Lisbon ...	30.19	NNW	7	6	30.17	-1.2	65	58	+1	N	5	6	2		79	59	—

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on Friday, 3rd August.

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.

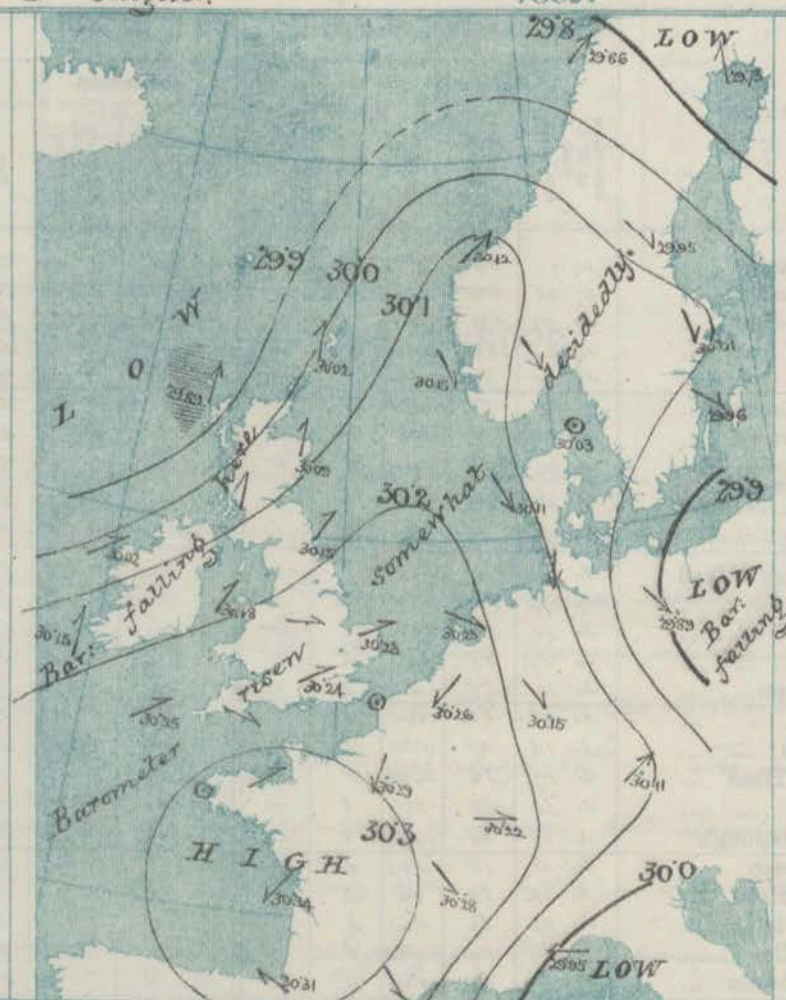
Sea Disturbance — where considerable is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Androssan	29.960
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.923
Pembroke	29.931
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



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 August.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Androssan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.80
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.0	55.7	3.49
Valencia	65.0	54.1	59.4	57.9	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.0	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.3	58.7	61.4	57.8	2.20
Oxford	49.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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 30.3 ins. and more, over western France, 30.2 ins. and more, over England, 30.1 ins. and more, over the North Sea and off Norway. Lowest 29.9 ins. and less, over the Hebrides and north Germany. The small depression noticed near Hastings yesterday has disappeared. Gradients slight over France, England and the North Sea, moderate elsewhere. Barometer falling in the west and northwest, and over Germany, rising slightly elsewhere.
TEMPERATURE	Highest 66° at Nice, 65° at Lisbon, 64° at Perpignan, 61° at Sicily, and in London. Lowest 48° at Bodø, 51° at Christianound, 52° at Stornoway, and 53° at Wick. It went down to 44° in the Screen and 34° on the Grass in the south of London during the past night.
WIND	Moderate to strong from between S. and SW. in Ireland and the west of Scotland. Light and variable from the W. over England - moderate from the NW in Denmark and Holland. Moderate and variable from the N. over France.
WEATHER	Dull in the west and north, with rain in some places. Fine in England, cloudy over France, unsettled over Germany. Thunderstorms have occurred locally and much rain has fallen at Munich and Lorient, and a considerable quantity in Lapland, and at Stornoway.
SEA	Rough in the Minch, moderate at our western stations, light or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no indication of any important change at present.

FORECASTS

For the 24 hours ending at NOON on 4th AUGUST 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S. and S.W. winds, freshening; fair to showery.	6 SCOTLAND WEST	S.W. breezes, fresh or strong; some showery.
7 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	S.W. breezes, moderate; fair.
3 ENGLAND EAST	S.W. breezes, light; fine, warm.	9 IRELAND NORTH	Same as N. O.
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.
Skudesnaes ...	30.18	59	52	NW 3	bc	3	Holyhead ...	30.18	60	56	NW 2	bc	1
Sumburgh Head ...	30.07	58	51	N 1	bc	0	Valencia ...	30.21	62	56	WSW 3	bc v	3
Stornoway ...	30.04	56	55	SW 4	o	4	Scilly ...	30.21	63	58	WSW 1	bc	2
Aberdeen ...	30.14	58	52	NW 2	CEL 2	1	Jersey ...	30.20	62	56	NW 3	bc m	3
Shields ...	30.12	57	51	S 1	o	2	Dungeness ...	30.09	60	55	NE 4	c	*
Ardrossan ...	30.13	57	55	S 2	c	2	London ...	30.15	61	56	ENE 2	c	*
Malin Head ...	30.13	60	56	WNW 2	bc	1	Yarmouth ...	30.13	62	56	NE 4	bc	4
Mullaghmore ...	30.15	61	54	SW 4	c	2	Rochefort ...	30.27	66	59	NW 5	bc	2
Belmullet ...	30.15	60	56	NW 2	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 northwest of Spain, and high 30.1 ins. and upwards, over central Russia. The lowest readings 29.7 ins. and less, were found in a depression lying over the north of Scandinavia, but shallow disturbances were also reported over the Gulf of Genoa and the eastern parts of the English Channel. Moderate breezes from the SW^W were reported over the greater part of Scandinavia and the north of our Islands, but over the southeast of England and the southern parts of the North Sea the wind was NE^E, while in the southwest of our Islands and the west and south of France it was NW^E. Over central and southern Europe light variable breezes were reported.

The weather was fine over the greater part of our Islands and France, as well as over Algeria and southern Europe generally, but cloudy or overcast elsewhere with rain at many of the northern and central stations.

Temperature had changed irregularly over northwest Europe, but fallen a little in most other regions; readings ranged from 80° and upwards, at some of the Algerian stations, and 75° and upwards, over south Italy to 50° or less, in the west of Norway.

The highest individual readings were 91° at Biskra, 85° at Cagliari, 81° at Sfax, 80° at Brindisi, and 79° at Palermo and Malta; the lowest were 48° at Christiansund and Bodø, 51° at Shields, 53° at Uleaborg, York, Ardrossan and Barrow in Furness, and 54° at Haparanda, Hernösand, Öxö, Munster, Stornoway and Wick.

In the course of the day the small depression over the English Channel entirely dispersed, but further disturbances began to approach our extreme northwest coasts from the Atlantic. The weather, however, remained fair in all parts of the Kingdom, and temperature, although low for the time of year, rose somewhat decidedly.

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 the Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for *Saturday 4th August 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. N. 1.																		
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WEATHER CHARTS

for 8 a.m. on Saturday, 4th August.

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.

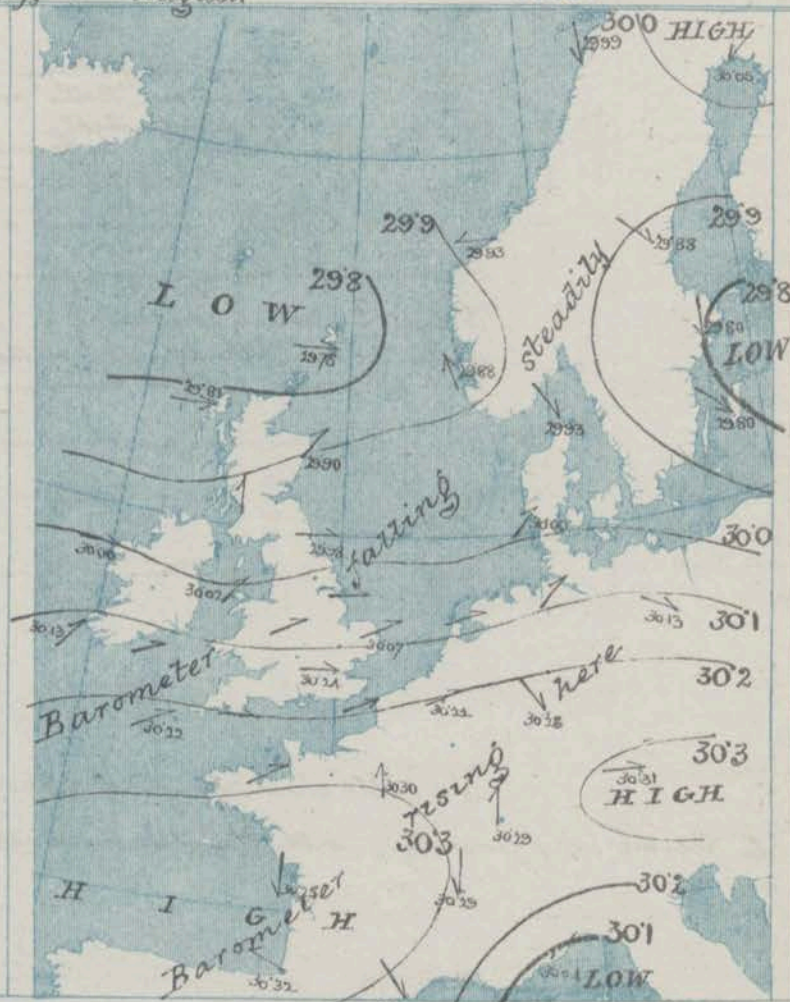
— Rough. — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of August

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roches Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



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.

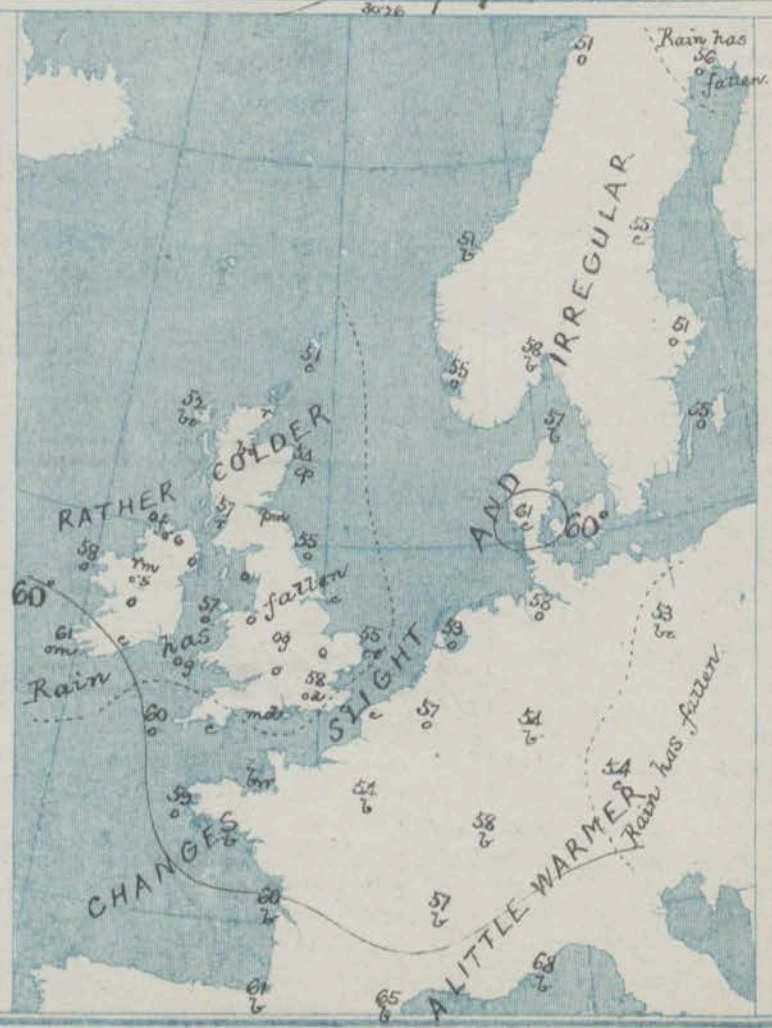
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of August.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
			Dry	Wet	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.09
Holyhead	64.3	55.0	58.5	56.4	2.80
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roches Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	62.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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 the Bay of Biscay, west of France, and south Germany, and 30.0 ins. and more, over Lapland.
 Lowest 29.8 ins. and less, over the Baltic, and also off our northern coasts.
 Gradients are moderate to slight. Barometer falling unsteadily in our Islands, rising over north of Scandinavia and in Germany. Distribution of pressure becoming again complex.

TEMPERATURE

Highest 68° at Lissbon and Nice, 61° at Biarritz, Valencia and Lani.
 Lowest 51° at Bodo, Christiansand and Lumburgh Head, 52° at Stormoway and Wick.
 The 8 a.m. values do not differ much from the averages for that hour in August.

WIND

Is light to fresh in force. It is
 W. to S.W. in our Islands - S.E. in the west and south of Norway - Variable over France.
 N.W. in Sweden, W. in Germany.

WEATHER

Cloudy again in most places, showery in several, and looking unsettled and rainlike generally.
 Solar halos were seen yesterday in nearly all parts of England.

SEA

Moderate on our west and northwest coasts, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

From the above changes it appears probable that rainy, unsettled weather is again likely to prevail very generally, with thunder in several localities.

FORECASTS

for the 24 hours ending at NOON on 5th AUGUST 1888.

DISTRICTS.

FORECASTS.

- 0 { SCOTLAND
- 1 { NORTH
- 2 { SCOTLAND
- 3 { EAST
- 4 { ENGLAND
- 5 { N.E.
- 6 { ENGLAND
- 7 { EAST
- 8 { MIDLAND
- 9 { COUNTIES
- 10 { ENGLAND
- 11 { SOUTH

Varying light winds; showery, unsettled, some thunder.

S.W. and S. breezes, light; changeable from fair to unsettled and rainy.

DISTRICTS.

FORECASTS.

- 6 { SCOTLAND
- 7 { WEST
- 8 { ENGLAND
- 9 { N.W.
- 10 { ENGLAND
- 11 { S.W.
- 12 { IRELAND
- 13 { NORTH
- 14 { IRELAND
- 15 { SOUTH

S.W. winds, moderate; showery.

S. and S.W. winds, moderate; rainy, unsettled.

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 ...	30.70	63	54	WNW 2	6	2	Holyhead ...	30.16	61	57	SW 5	c	4
Sumburgh Head ...	29.94	58	55	SW 2	c	2	Valencia ...	30.15	64	62	W 4	cm	4
Stornoway ...	29.84	54	51	W 6	o	6	Scilly ...	30.26	65	59	SW 5	bc	3
Aberdeen ...	29.99	58	54	S 3	op	2	Jersey ...	30.32	63	59	WNW 3	bm	3
Shields ...	30.08	63	55	SW 3	c	2	Dungeness ...	30.26	63	59	WNW 3	6	1
Ardrossan ...	30.00	56	55	S 4	pm	4	London ...	30.28	71	58	SW 3	bc	*
Malin Head ...	29.92	56	56	SW 4	o p	3	Yarmouth ...	30.20	64	59	S 3	bc	3
Mullaghmore ...	30.01	58	58	SW 5	no	4	Rocheport ...	30.34	69	63	NW 4	6	2
Belmullet ...	30.04	60	58	W 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 the Bay of Biscay and west of France, and lowest 29.8 ins. and less, in a depression lying over Lapland and Finland. Other depressions were however, reported respectively over north Germany and the Gulf of Genoa. The wind was moderate from the SWnd over the greater part of our Islands, as well as ⁱⁿ Lapland and north Russia, and NW^{ly} over Denmark, the Baltic, the south of Norway, north Germany and the south of France. Elsewhere however, light variable breezes were reported. The weather was fine over England and also over the greater part of southern Europe, but cloudy or overcast elsewhere with rain at several of the northern and central stations. Temperature had risen somewhat over our Islands and Scandinavia, but fallen elsewhere; readings ranged from 75° and upwards, over Algeria, south Italy and some parts of Spain to 50° and less, in the north of Norway. The highest individual readings were 86° at Biskra, 83° at Cagliari, 82° at Brindisi, 80° at Constantinople, 79° at Malta, and 77° at Palermo and Oran; the lowest were 48° at Bodo, 51° at Christiansund and York, 52° at Stornoway, and 53° at Ulick.

In the course of the day the barometer rose slightly on our west coasts and the wind there veered to the Wnd. Elsewhere however, the barometer fell slightly, and over England solar halos were seen very 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 Sunday 5th August 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R.H. SCOTT, Secretary.

Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.																		
STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOUR.		
	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 ..	29.81	57	NE	4	0	29.59	-1.46	51	51	-5	NE	4	2	*	63	34	0.36
	Hernösand ...	29.75	54	NE	2	0	29.49	-1.39	55	52	0	ENE	4	0	*	63	50	0.29
	Stockholm ...	29.65	53	NNW	2	0	29.63	-1.17	60	58	+9	E	0	6	*	61	48	—
	Wisby ...	29.58	56	E	4	C	29.72	-0.7	57	54	+2	WSW	2	6	*	61	54	—
	Bodö ...	29.86	43	E	0	6	29.69	-1.20	62	54	+11	E	2	6	1	?	50	—
	Christiansund...	29.76	51	NE	6	C	29.62	-1.3	51	48	0	NE	4	6	2	57	46	0.35
	Skudesnaes ...	29.71	51	W	4	6C	29.61	-1.27	54	49	-1	E	0	6C	3	53	52	—
	Christiania Fjord (Færdø)	29.74	59	S	3	0	29.57	-1.36	56	50	-2	S	4	0	2	61	53	—
	Skagen (The Scaw)	29.74	57	SW	3	0	29.57	-1.36	51	50	-6	E	0	2	0	?	50	0.36
	Fanö ...	29.80	53	SW	2	0	29.52	-1.48	51	51	-10	N	2	C	*	63	50	0.67
	Sumburgh Head	29.70	53	E	0	6	29.76	-0.2	51	47	0	N	4	0	4	56	46	0.01
	Stornoway ...	29.71	53	NW	6	6C	29.97	+1.6	54	51	+2	NE	5	C	4	56	44	0.08
	Wick ...	29.94	52	NW	2	C	29.88	-1.07	53	51	+1	N	5	0	3	60	45	0.16
	Nairn ...	29.69	57	W	2	6C	29.88	+1.03	53	50	-2	NNW	5	6C	5	61	47	0.09
	Aberdeen...	29.70	53	S	2	6Cp	29.78	-1.2	52	49	-2	NNW	5	C	3	62	47	0.09
	Leith ...	29.75	59	W	4	C	29.85	-1.09	54	49	+1	NW	5	C	*	63	47	0.01
	Shields ...	29.78	52	NNW	2	0	29.76	-1.22	51	49	-4	NW	3	0p	2	53	44	0.63
	Spurn Head ...	29.86	58	SW	4	2	29.70	-1.33	54	53	-3	NNW	5	6C	3	62	50	0.21
	York ...	29.81	57	WSW	2	2	29.77	-1.26	54	49	-2	NNW	3	C	*	60	48	0.29
	Loughborough	29.90	62	WSW	4	0	29.78	-1.29	56	51	-3	NNW	4	6	*	64	48	0.28
	Ardrossan ...	29.79	57	W	4	6	29.92	-1.01	56	52	-1	NW	4	6	3	57	50	—
	Malin Head ...	29.85	53	NNW	3	C	30.02	+1.08	54	50	+2	NNW	5	6Cp	4	54	51	0.27
	Mullaghmore...	29.84	57	NNW	4	om	30.08	+1.10	53	50	-2	NNW	5	C	3	59	52	0.37
	Belmullet ...	29.87	59	N	3	0	30.13	+1.13	53	50	-3	N	3	6	*	60	51	0.21
	Donaghadee ...	29.85	52	NE	2	2	29.95	-1.01	54	51	-1	NNE	7	6	5	60	53	0.24
	Barrow-in-Furness	29.80	56	SW	6	2	29.86	-1.18	54	50	0	NW	5	6C	*	57	49	0.28
	Liverpool (Bidston)	29.86	56	WSW	3	2	29.84	-1.22	53	50	-2	NNW	6	C	5	60	51	0.44
	Holyhead ...	29.87	56	SW	5	2p	29.94	-1.08	56	52	-1	NNW	7	6Cp	6	60	52	0.48
	Parsonstown ...	29.84	61	E	0	2	30.09	+1.02	53	51	-3	NW	3	6C	*	61	45	0.03
	Valencia ...	29.92	60	W	3	fd	30.16	+1.03	61	56	0	N	2	C	2	62	53	0.28
	Roche's Point...	29.89	61	WSW	2	C	30.07	-1.07	56	52	-3	NNW	4	6	4	61	54	0.20
	Pembroke ...	29.94	57	SW	4	2	29.97	-1.18	53	51	-3	NNW	5	6C	4	59	51	0.09
	Scilly ...	29.99	57	SW	6	2	30.02	-1.20	53	56	-1	N	5	6C	5	61	57	0.28
	Prawle Point ...	30.06	57	SW	4	2	29.87	-1.22	53	53	0	NNW	6	6	4	60	55	0.16
	Jersey ...	30.16	61	WSW	3	0p	29.87	-1.39	62	60	+3	NNW	4	Cm	3	63	57	0.25
	Hurst Castle ...	30.05	57	WSW	7	2p	29.82	-1.37	53	56	-1	NNE	6	6C	4	63	57	—
	Dangeness ...	30.02	57	WSW	6	0	29.68	-1.47	60	58	+1	NNW	6	2	4	63	57	0.03
	London ...	30.00	62	SW	5	0	29.75	-1.39	53	50	-3	NW	5	6	*	67	54	0.10
	Oxford ...	29.94	59	SW	2	0	29.83	-1.31	54	49	-4	NW	5	C	*	65	52	0.12
	Cambridge ...	29.94	62	SW	1	0	29.75	-1.36	54	49	-6	N	2	6	*	68	51	0.21
	Yarmouth ...	29.90	64	WSW	4	C	29.64	-1.43	53	57	0	NW	4	C	3	65	51	0.42
	Cuxhaven ...	30.02	56	SW	4	2	29.61	-1.48	58	58	0	SW	4	2	*	62	53	0.96
	Berlin ...	30.06	58	E	0	6	29.82	-1.31	60	57	+7	SSW	2	0	*	60	54	0.08
	Wiesbaden ...	*	*	*	*	*	29.86	-1.40	59	53	+5	W	1	0	*	60	46	—
	Munich ...	30.23	56	E	0	0	30.05	-1.26	59	49	+5	SW	3	C	*	63	45	—
	The Helder ...	29.89	57	SW	4	2	29.52	-1.36	57	56	-2	W	3	2	3	59	57	0.99
	Brussels ...	*	*	*	*	*	29.66	-1.36	56	55	-1	SW	7	2	*	69	55	0.16
	Cape Gris Nez...	30.06	58	SW	7	0	29.67	-1.51	57	57	0	WSW	5	0	4	61	53	0.08
	Paris ...	30.16	68	W	3	C	29.80	-1.50	53	53	+1	SW	4	0	*	74	53	0.28
	Brest ...	30.23	60	W	4	0	30.02	-1.5	53	56	0	NW	5	2	4	70	48	0.35
	Lorient ...	30.24	62	WSW	5	0	29.98	-1.33	61	61	+4	NNW	3	2	5	64	?	0.47
	Rochefort ...	30.23	64	NW	5	0	30.03	-1.27	63	62	+3	WSW	3	2	4	70	53	0.12
	Belfort ...	30.21	66	E	1	6C	29.92	-1.37	58	53	0	W	1	C	*	70	46	—
	Lyons ...	30.21	66	N	1	6	30.08	-1.21	54	51	-3	WSW	3	0	*	70	52	—
	Nice... ..	30.10	71	SW	4	6C	30.05	+1.01	63	57	0	E	1	6C	1	77	59	—
	Perpignan ...	30.20	72	NW	4	6	30.16	-1.10	67	59	+2	NW	3	6C	*	78	53	—
	Biarritz ...	30.22	67	NNW	4	6C	30.24	-1.08	59	54	-2	SW	4	6C	1	70	57	—
	Corunna ...	*	*	*	*	*	30.24	—	60	59	—	NE	1	F	2	72	54	—
	Lisbon ...	30.07	76	NNW	8	6	30.15	+1.04	77	?	+9	NNE	5	6	2	88	?	—

WEATHER CHARTS

for 8 a.m. on Sunday, 5th August.

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.

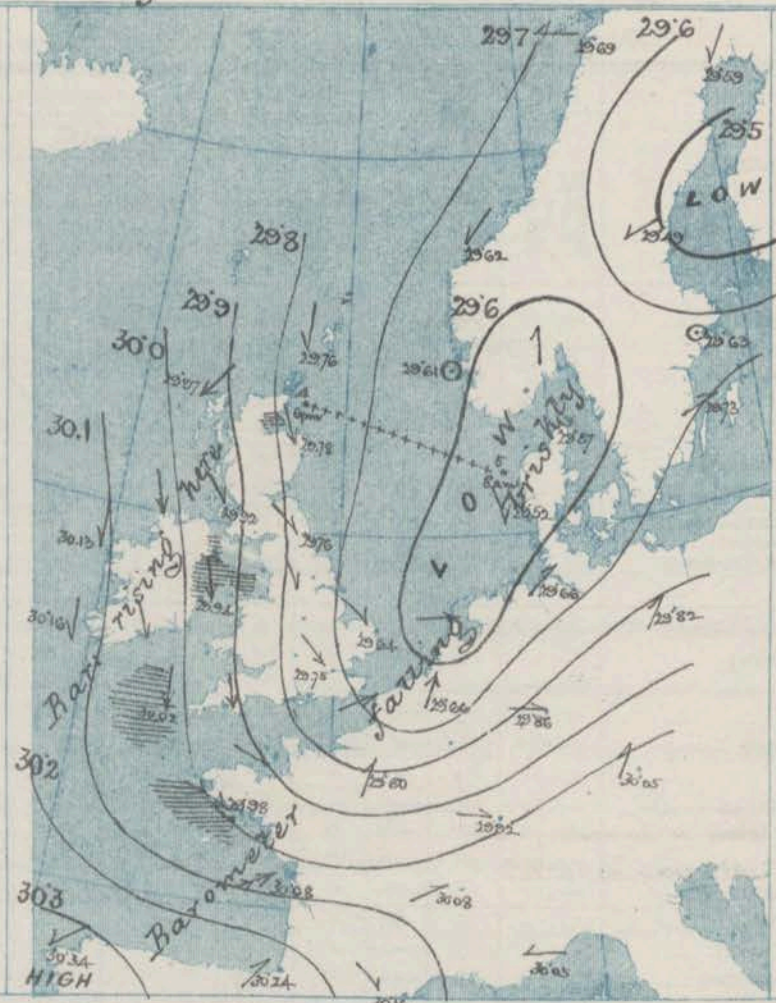
Sea Disturbance—where considerable, is shown thus.

— = Rough — = High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.918
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.920



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 August

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.80
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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 a small anticyclone lying over the northwest of Spain. Lowest 29.5 ins. and less, in a depression lying over the Bay of Biscay; 29.6 ins. and less, in an elongated area extending from the south of Ireland, moderately steep over our islands and the northern parts of France and Germany, but slight elsewhere. Barometer falling at all but our western and northern stations.</i>
TEMPERATURE	<i>Highest 77° at Lisbon, 68° at Nice, 67° at Perpignan, 65° at Rochefort, 62° at Bodo and Jersey, and 61° at Lorient. Lowest 51° at Haparanda, Christiansund, Skagen, Fano, Larnburgh Head, Shields, 52° at Albedon, and 53° at Wick & Naism.</i>
WIND	<i>Moderate from NE in the north of Scandinavia, fresh or strong from NW or N over our islands. Strong to a gale from the W in the Bay of Biscay. Moderate, SW. over Germany, the Netherlands & the east of France.</i>
WEATHER	<i>Dull and rainy in Denmark, the Netherlands and the west and north of France. Fine in most other localities, but foggy at Bornumna. Since yesterday morning rain has fallen generally, the largest amount being 1 inch at Loughaven, 0.9 ins. at Barrow in Furness, 0.7 ins. at Fano, and 0.6 ins. at Shields.</i>
SEA	<i>Rather rough on many of the more exposed parts of our coasts, but moderate or smooth elsewhere.</i>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past night a large area of low pressure has formed over the North Sea. This is however, now moving eastwards and the barometer is rising again in the west. Conditions are still very unsettled.

FORECASTS

for the 24 hours ending at NOON on 6th August 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.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.73	56	53	SW 4	af	4	Holyhead ...	29.97	57	56	SW 4	0	4
Sumburgh Head ...	29.73	53	49	WNW 1	bc	2	Valencia ...	29.96	62	62	SW 5	rm	5
Stornoway ...	29.74	66	52	NW 5	c	4	Scilly ...	29.14	60	58	SW 4	0	4
Aberdeen ...	29.78	62	54	SE 1	bc	1	Jersey ...	29.22	62	60	SW 3	0	3
Shields ...	29.88	52	51	S 3	2	2	Dungeness ...	29.10	60	58	WNW 5	c	4
Ardrossan ...	29.84	55	54	X 0	ov	0	London ...	29.05	67	61	WNW 3	c	*
Malin Head ...	29.89	52	52	NW 1	0	1	Yarmouth ...	29.00	64	60	WNW 4	c	2
Mullaghmore ...	29.89	59	58	WNW 4	0R	3	Rochefort ...	29.37	68	61	NW 5	c	2
Belmullet ...	29.89	59	59	S 2	2	*							

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 Bay of Biscay and west of France, and relatively high 30.0 ins. and upwards, in the north of Sweden. The lowest readings 29.5 ins. and less, were found in a well defined depression lying over the Baltic Provinces. The wind was SW⁴ or W⁴ in our Islands and the north of France, NW⁴ over the Baltic, and NE⁴ over northern Russia, but over southern Europe it was light and very variable. The weather was dull and unsettled over the north and northwestern part of the Continent, with rain in the west and north of our Islands, as well as on the Russian shores of the Baltic. In all the more southern countries however, the weather was fine. Temperature had fallen somewhat in Italy and Algeria, but elsewhere the changes were slight and irregular; readings ranged from between 75° and 85° over the south of Italy and central Algeria, to 55° or less, in many parts of northern and central Europe. The highest individual readings were 85° at Biskra, 83° at Baghisi, 81° at Palermo, 79° at Brindisi, and 78° at Palma and Malta; the lowest were 51° at Bodo, Christiansund, Hernesund and Sumburgh Head, and 52° at Stornoway, Wick, Malin Head, Nango, Warsaw and Breslau.

In the course of the day the barometer fell steadily over our Islands, and a well defined depression appeared off the northeast of Scotland. The weather therefore remained very unsettled with rain in nearly all parts of the 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 MONDAY 6TH AUGUST 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 ..	29.58	57	E	2	0	?	?	55	55	+4	5	2	2	*	*	61	48	0.22
	Hernösand ...	29.62	58	S	0	6	29.70	+29	58	54	+2	5	0	60	*	*	58	52	—
	Stockholm ...	29.67	56	SE	2	0	29.75	+12	64	59	+4	SE	2	60	*	*	60	50	—
	Wisby ...	29.71	57	S	4	0	29.69	-04	64	59	+7	SE	2	60	*	*	60	52	—
	Bodö ...	29.66	55	S	0	0	29.70	+01	57	51	-5	SE	2	0	1	*	62	55	0.04
	Christiansund...	29.68	57	NNW	2	f	29.78	+16	51	50	0	NNW	2	f	1	*	54	50	—
	Skudesnaes ...	29.64	54	NW	7	0	29.72	+11	56	53	+2	NW	6	c	4	*	57	54	—
	Christiania Fjord (Færdet)	29.52	53	NNW	8	2	29.66	+09	58	56	+2	SE	2	2	1	*	51	53	0.52
	Skagen (The Scaw)	29.48	54	NNE	1	C	29.60	+03	56	56	+5	SE	1	0	2	*	56	45	0.35
	Fanö ...	29.52	52	N	4	C	29.59	+07	56	54	+5	NNW	6	2	*	*	57	50	0.04
BRITISH ISLANDS.	Sumburgh Head	29.87	50	N	5	0	29.90	+14	49	49	-2	NW	2	0	2	*	55	45	0.01
	Stornoway ...	29.10	50	NW	4	0	29.01	+04	52	51	-2	S	0	0	2	*	56	43	—
	Wick ...	29.01	52	N	6	0	29.00	+12	50	49	-3	N	2	0	2	*	55	49	0.02
	Nairn ...	29.05	53	NNW	2	2	29.02	+14	51	49	-2	S	0	0	1	*	58	48	—
	Aberdeen...	29.00	52	NW	5	9C	29.03	+25	52	47	0	E	2	2	2	*	56	47	—
	Leith ...	29.03	52	NE	4	6C	29.06	+21	55	51	+1	NNW	1	cm	*	*	64	47	—
	Shields ...	29.78	55	N	2	6C	29.05	+29	52	49	+1	W	2	c	2	*	60	46	—
	Spurn Head ...	29.93	55	NNW	8	C	29.05	+35	53	54	+1	NNW	4	C	4	*	57	50	0.02
	York ...	29.00	57	NNW	4	6C	29.08	+31	55	51	+1	W	2	6C	*	*	61	46	—
	Loughborough	29.99	60	NNW	4	C	29.14	+36	52	50	-3	W	2	ow	*	*	62	49	—
GERMANY.	Ardrossan ...	29.05	60	NNW	4	6C	29.06	+14	57	50	-5	SEW	1	2	1	*	61	50	0.08
	Malin Head ...	29.17	55	NNW	4	6C	29.01	-01	51	51	-3	SE	4	20	2	*	57	50	0.27
	Mallaghmore ..	29.21	58	NW	2	C	29.04	-04	52	52	+3	NW	2	od	2	*	62	52	0.27
	Belmullet ...	29.23	57	NW	2	0	29.06	-07	52	52	+4	W	4	0	*	*	60	55	0.05
	Donaghadee ...	29.14	56	NE	4	6C	29.10	+15	51	51	-3	SEW	3	2	2	*	61	48	0.30
	Barrow-in-Furness	29.02	60	NW	5	6C	29.10	+24	52	51	-2	NW	4	2	*	*	61	51	0.06
	Liverpool (Bidston)	29.06	57	W	5	6C	29.13	+29	52	51	-3	W	2	2	2	*	60	51	0.21
	Holyhead ...	29.10	56	NNW	5	6C	29.14	+20	52	52	-3	SW	1	d	2	*	58	51	0.06
	Parsonstown ...	29.21	62	S	0	C	29.11	+02	52	52	+4	SW	1	2	*	*	65	53	—
	Valencia ...	29.28	61	NW	2	6C	29.22	+06	61	60	0	W	2	fd	2	*	64	52	0.02
FRANCE & NETHERLANDS.	Roche's Point...	29.23	62	NNW	4	6C	29.16	+09	63	61	+7	W	2	C	2	*	64	52	0.08
	Pembroke ...	29.18	58	W	2	6C	29.18	+21	57	56	+2	W	4	p	2	*	61	54	—
	Scilly ...	29.22	60	NNW	5	6C	29.25	+23	59	57	0	NNW	5	0	4	*	60	58	—
	Prawle Point ...	29.15	58	NNW	6	6C	29.24	+25	57	56	-2	W	2	C	2	*	63	49	—
	Jersey ...	29.11	63	NNW	4	6C	29.28	+29	60	57	-2	NNW	2	cm	3	*	64	53	—
	Hurst Castle ...	29.05	66	NNW	4	6C	29.21	+29	55	54	-3	S	1	cp	2	*	66	49	0.02
	Dungeness ...	29.92	62	N	6	6C	29.14	+46	52	50	-7	NNW	4	0	2	*	64	46	—
	London ...	29.98	61	NW	4	C	29.16	+41	52	50	-2	W	1	0	*	*	62	48	0.01
	Oxford ...	29.08	55	NW	3	6C	29.17	+34	51	49	-3	SW	2	2	*	*	62	47	—
	Cambridge ...	29.00	57	N	2	6C	29.18	+38	55	52	+1	W	1	C	*	*	64	46	—
PENINSULAR.	Yarmouth ...	29.84	55	NW	6	C	29.07	+43	54	50	-1	NW	5	C	5	*	58	48	0.01
	Cuxhaven ...	29.52	53	NNW	7	2	29.62	+04	56	56	-2	NNW	8	2	*	*	58	52	0.14
	Berlin ...	29.62	56	SW	1		29.69	+13	52	49	-3	SW	2	0	*	*	70	48	0.16
	Wiesbaden ...	*	*	*	*	*	29.98	+12	55	51	-4	W	4	0	*	*	68	50	0.38
	Munich ...	29.84	53	SW	2	2	29.04	-01	46	46	-13	W	5	C	*	*	63	43	0.59
	The Helder ...	29.71	56	NNW	7	0	29.40	+28	54	52	-2	NW	7	0	2	*	57	54	0.39
	Brussels ...	*	*	*	*	*	29.97	+41	54	51	-2	W	4	0	*	*	60	50	0.47
	Cape Gris Nez...	29.93	56	N	7	0	29.14	+47	54	51	-3	NNW	4	0	4	*	63	52	0.14
	Paris ...	29.00	59	NW	4	0	29.21	+44	55	50	0	NW	3	6	*	*	64	47	0.28
	Brest ...	29.24	59	NNW	4	C	29.31	?	57	55	-2	NNW	3	6	2	*	64	46	—
PENINSULAR.	Lorient ...	29.18	64	N	4	6C	29.28	+35	54	53	-7	N	4	6	2	*	66	54	—
	Rochefort ...	29.14	65	NW	7	6C	29.25	+27	57	55	-6	N	5	6	2	*	68	50	0.16
	Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lyons ...	29.98	57	S	2	2	29.24	+16	52	49	-2	NW	2	6C	*	*	61	48	0.35
	Nice ...	29.80	74	SW	1	6C	29.85	+20	64	62	-4	NW	2	C	2	*	55	57	—
	Perpignan ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Biarritz ...	29.19	65	NNW	8	2	29.29	+05	64	56	+5	NNW	4	6	5	*	66	4	0.04
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	29.08	80	NNW	2	6C	29.07	-02	73	61	-4	N	5	6	2	*	90	70	—

WEATHER CHARTS

for 8 a.m. on Monday, 6th August, 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.

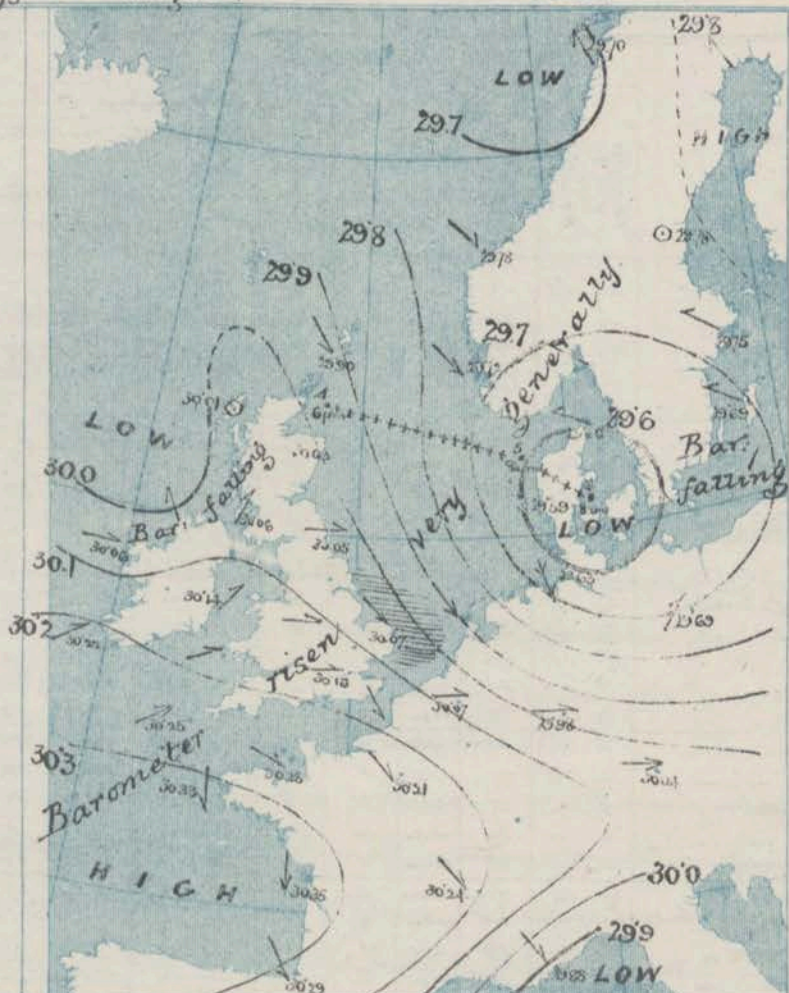
Sea Disturbance — where considerable is shown thus.

— Rough — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.980
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



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.

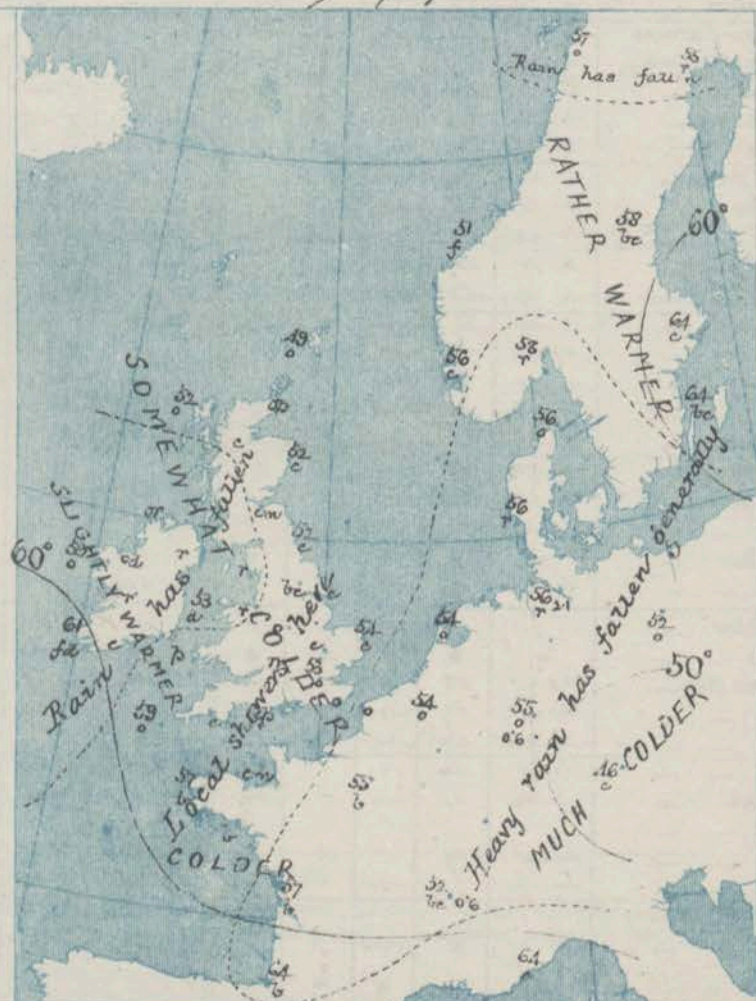
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of August.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
			Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	45.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.80
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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 mm. and more, over the Bay of Biscay, 30.1 mm. and more over the southern half of our islands.
Lowest, 29.6 mm. and less, over Denmark and the Sound - 29.7 mm. and less off the NW of Norway and 30.0 mm. 7 less off our extreme west coast.
Gradients somewhat steep over the North Sea, moderate to slight elsewhere. Barometer rising in south and east, falling in northwest but not quickly.

TEMPERATURE

Highest, 73° at Rostock, 64° at Tuen, 51° at Stockholm, 63° at Rostock Point, 61° at Valencia, 60° at Jersey and 57° at Bordeaux.
Lowest, 40° at Sunderland Head, 57° at Christiansand and Malin Head and 53° in London.
It is very low for the time of year over our islands and France, and shows no tendency to rise.

WIND

Light SE in Sweden and Lapland - NW over the North Sea, and blowing hard on the Dutch and Holstein Coasts.
W to SW in Germany - N over the Bay of Biscay - mainly W over our islands.
It is light to moderate on the British and Irish Coasts and in France.

WEATHER

Fine and bright in France, changeable and unsettled elsewhere, with rain at times.
Heavy rain has fallen at the mouth of the Elbe, slight rain generally in Ireland, and some local falls over West Britain.

SEA

Rough at Cuxhaven, rather so on our East Coasts, moderate at Scilly, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new disturbance in the northwest will probably cause showery weather in most places, but there is no indication of any important increase of wind on our coasts.

FORECASTS

For the 24 hours ending at NOON on 7th AUGUST 1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	Varying SE and S winds; rainy, changeable, thunder locally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	N and S W breezes, light; cloudy, unsettled, rainy at times, cold.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Varying N. & S.W. breezes; unsettled, changeable, rainy.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as N.E. & S.
9	IRELAND NORTH	N.W. and W. breezes, light; changeable, rainy to fair.
10	IRELAND SOUTH	
WARNINGS		NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeannaes ...	29.71	53	50	W 4	c	4	Holyhead ...	29.66	57	52	NW 5	c	5
Sumbargh Head ...							Valencia ...						
Stornoway ...	29.27	53	52	NW 4	0	4	Scilly ...						
Aberdeen ...							Jersey ...	29.05	63	56	NW 4	c	3
Shields ...							Dungeness ...	29.84	64	58	N 6	6c	4
Ardrossan ...							London ...						*
Malin Head ...	29.13	53	51	N 4	6c	3	Yarmouth ...						
Malinbeg ...							Rochefort ...	29.10	66	64	NW 8	c	4
Belmullet ...	29.21	54	52	NW 1	0	*							

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

The reports for yesterday morning showed that pressure varied from about 30.3 ins. in the northwest of Spain, and from 29.1 ins. and more, over the whole of southwest Europe and the south of Ireland, to 29.6 ins. and less, in a large and somewhat complex depression which covered the North Sea and Gulf of Bothnia. Thus while W. and SW. winds were blowing over the east of France and north Germany, a strong cold NW. to N. current had set in over the British Islands, North Sea, the Bay of Biscay and north and west of France. The change had been accompanied by cold rain in all parts of our Islands and their neighbourhood, with thunder in some places, the weather being squally and in all respects most unseasonable. Temperature had fallen decidedly and was below 60° at almost all our own stations, while in western Lapland it had risen, and was rather above 60° at Bodö. The highest individual readings at 8 am. were 81° at Biskra (Algeria) 79° at Brindisi, 77° at Lisbon, 72° at Palermo and Livourne and 70° at Lesina and Sanghineire; the lowest were 51° at Christiansund, Tams and Shields, and 55° in London and at several of the other British stations.

Later on as the depression moved southeastwards some improvement in the weather occurred in our Islands, but the change was apparently not of a permanent character.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 29th JULY TO THE 4th AUG. 1888.

The week commenced with a continuation of the very unsettled rainy thundery conditions which had prevailed throughout the greater part of the month. Pressure was (relatively) high, both over northern and southern Europe, the two high pressure systems being separated by a broad band of low readings in which several well defined minima prevailed simultaneously. E. and NE. breezes were blowing at the northern stations, while W. to S. were felt in the south. Temperature was low, the air was close, the clouds were heavy and threatening, and thunderstorms and rain were reported everywhere. The heaviest falls were of a very local character - especially that which occurred in the south and east of London on Monday. There was little change till Tuesday, when, with a considerable rise of the barometer in the west, the weather began to clear in many places, and the pressure distribution became more simple. A small disturbance in the southeast however, caused another heavy fall of rain, (more than an inch) in London on Wednesday night, after which there was a temporary improvement generally, with slight gradients for S. winds. At the close of the week pressure was again giving way irregularly. Solar halos were appearing in all parts of the Kingdom, and rain was again beginning to set in with a renewed unsettled appearance.

NOTE

Owing to some delay at the Lithographers the Reports for Saturday were not received until too late for posting. They are therefore issued with to-day's (Monday's) reports.

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 7TH AUGUST, 1838.

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 ...	29.79	54	S	2	0	29.82	?	58	57	+3	S	0	C	*		61	46	—
	Hernösand ...	29.88	53	S	0	f	29.92	+15	59	57	+1	S	0	bc	*		64	45	—
	Stockholm ...	29.87	53	ESE	2	bc	29.97	+22	63	58	-1	S	0	b	*		72	54	—
	Wisby ...	29.88	53	S	2	0	29.97	+28	60	58	-4	W	2	b	*		73	54	—
	Bodo ...	29.82	51	WNW	2	0	29.88	+18	49	47	-8	WNW	4	0	2		57	46	—
	Christiansund...	29.89	51	N	2	f	29.91	+13	52	49	+1	NNE	2	f	1		54	48	—
	Skudesnaes ...	29.85	54	NW	6	0	29.96	+24	55	51	-1	S	0	f	0		59	54	0
	Christiania Fjord (Færder)	29.79	60	NE	2	c	29.95	+29	60	56	+2	ENE	4	b	1		61	57	0.08
	Skagen (The Scaw)	29.79	58	S	0	bc	29.93	+28	59	55	+3	S	1	b	1		65	55	—
	Fanö ...	29.76	55	WNW	4	0	29.93	+34	59	55	+3	N	4	b	*		53	48	0.24
BRITISH ISLANDS.	Sumburgh Head	29.94	51	S	0	0	29.80	-10	50	50	+1	SSE	3	2	4		53	48	0.08
	Stornoway ...	29.92	53	SW	3	0	29.68	-32	59	59	+7	SW	5	0	4		59	49	0.18
	Wick ...	29.93	53	SW	2	0	29.75	-25	59	58	+5	S	4	C	3		59	48	0.10
	Nairn ...	29.94	56	S	0	C	29.77	-25	60	57	+9	SW	1	C	1		60	50	0.02
	Aberdeen...	30.01	51	SE	2	C	29.88	-15	56	54	+4	S	2	0	1		59	50	0.05
	Leith ...	30.01	54	W	1	0	29.93	-13	62	59	+7	W	1	C	*		62	54	0.08
	Shields ...	30.03	59	WNW	2	0	29.99	-06	62	60	+10	SSW	2	C	2		62	51	0.08
	Spurn Head ...	30.06	55	SE	2	bc	30.07	+02	60	58	+5	WNW	2	bc	3		61	54	0.01
	York ...	30.08	56	W	2	0	30.07	-01	61	59	+6	W	1	0	*		62	53	0.03
	Loughborough	30.10	57	ESE	1	0	30.12	-02	66	63	+13	W	2	C	*		66	53	0.05
GERMANY.	Ardrossan ...	30.00	54	SW	2	0	29.93	-13	56	56	+5	SW	3	C	3		56	50	0.07
	Malin Head ...	29.99	58	W	4	0	29.87	-14	59	59	+8	SW	4	0	3		59	51	0.06
	Mullaghmore ...	30.05	60	WNW	5	0	29.91	-13	61	57	+3	SW	5	0	4		61	57	0.05
	Belmullet ...	30.05	59	WNW	5	0	29.89	-17	60	59	+1	SW	6	2	*		62	58	0.07
	Donaghadee ...	30.03	60	WNW	2	0	30.00	-10	59	58	+8	SW	2	0	1		61	50	0.04
	Barrow-in-Furness	30.07	54	SE	2	2	30.06	-104	58	57	+6	SW	4	C	*		58	52	0.15
	Liverpool (Bidston)	30.08	55	S	1	2	30.08	-05	64	61	+12	WNW	1	C	1		64	52	0.10
	Holyhead ...	30.06	58	SW	3	0	30.08	-06	55	55	+2	SW	5	f	5		62	53	0.02
	Parsonstown ...	30.13	63	SW	2	0	30.06	-05	59	57	0	SW	1	0	*		64	57	—
	Valencia ...	30.21	61	SW	3	mod.	30.08	-14	62	60	+1	SW	4	0	5		67	57	0.02
FRANCE & NETHERLANDS.	Roche's Point...	30.16	68	WNW	3	0	30.12	-04	58	57	-5	SW	3	2	3		74	57	—
	Pembroke ...	30.14	60	W	2	C	30.17	-01	57	57	0	SW	4	f	4		61	53	0.05
	Scilly ...	30.22	59	WNW	5	f	30.22	-03	59	58	0	SW	3	f	4		61	54	0.02
	Prawle Point ...	30.17	60	W	4	0	30.21	-03	58	58	+1	W	4	f	3		61	54	0.01
	Jersey ...	30.23	60	W	5	adgm.	30.25	-03	59	58	-1	W	4	0	3		62	57	0.01
	Hurst Castle ...	30.13	60	W	2	0	30.20	-01	61	60	+6	WNW	2	0	1		66	55	0.01
	Dungeness ...	30.12	54	W	4	0	30.13	-01	59	58	+6	W	3	2	2		64	52	0.03
	London ...	30.12	56	WNW	1	0	30.15	-01	64	62	+11	WNW	2	C	*		64	53	0.03
	Oxford ...	30.13	56	SW	1	2	30.16	-01	62	60	+11	SW	1	0	*		62	50	0.13
	Cambridge ...	30.12	62	S	0	0	30.12	-01	65	63	+10	S	0	0	*		65	54	0.02
PENINSULAR.	Yarmouth ...	30.08	59	NNE	1	C	30.10	+03	58	57	+4	WNW	1	C	3		63	52	0.02
	Cuxhaven ...	29.81	56	NW	6	2	29.97	+35	58	57	+2	NW	4	bc	*		58	53	0.80
	Berlin ...	29.87	56	SW	3	C	30.04	+35	55	51	+3	W	3	0	*		59	50	0.08
	Wiesbaden ...	*	*	*	*	*	30.19	+21	55	51	0	NW	3	bc	*		61	46	0.04
	Munich ...	30.16	50	W	3	0	30.24	+20	50	49	+4	W	5	0	*		57	45	0.04
	The Helder ...	30.03	55	NW	2	C	30.09	+19	56	52	+2	NW	1	C	2		57	54	—
	Brussels ...	*	*	*	*	*	30.17	+10	56	54	+2	SW	5	0	*		63	50	—
	Cape Gris Nez...	30.12	55	SW	5	2	30.13	-01	58	57	+4	SW	3	0	2		61	54	0.04
	Paris ...	30.22	59	NW	1	0	30.21	-01	56	56	+1	S	1	0	*		65	52	0.08
	Brest ...	30.32	60	NW	4	0	30.30	-03	55	53	-2	S	0	2	3		68	46	—

WEATHER CHARTS

for 8 a.m. on Tuesday, 7th August, 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,
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○ = dead calm.

Sea Disturbance — where considerable is shown thus.

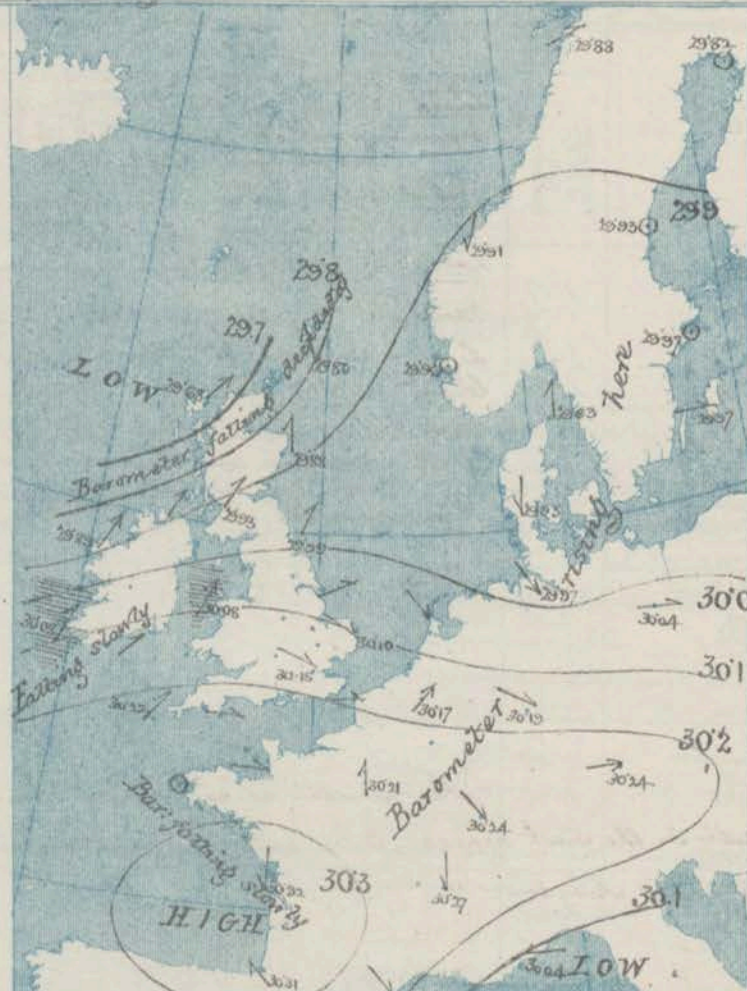
— Rough — High

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of August

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



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 August.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.18
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	68.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	58.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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 upwards, in an anticyclone lying over the Bay of Biscay and west of France. Lowest 29.7 ins. and less, in a depression lying off the Hebrides. Gradients moderate in the north, but slight elsewhere. Barometer falling briskly in the north of our islands and slightly on our west and the French coast, but rising elsewhere.
TEMPERATURE	Highest 69° at Lisbon, 68° at Perpignan, 67° at Nice, 66° at Loughborough, 65° at Cambridge, 64° in London, and 63° at Stockholm. Lowest 49° at Bodo, 50° at Lumburg Head and Munich, 52° at Christiansund, 53° at Lyon, and 54° at Liverpool.
WIND	Moderate or fresh from the S.W. and on our west and north coasts. Light from the W. over the Netherlands, Germany and the southeast of England. Calm or light variable in Scandinavia; light N.E. in the west of France.
WEATHER	Fair in Scandinavia, Denmark, the Netherlands and the east of England. Dull elsewhere with fog over the St. Georges, Bristol and English channels, and showers at several of our west and north stations. Slight rain fell yesterday in all parts of the Kingdom.
SEA	Rather rough at Holyhead and Valencia, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general appearance is somewhat more favourable than of late, but the barometrical fall in the west appears to be extending eastwards, and showers are therefore probable in most parts of the United Kingdom.

FORECASTS

for the 24 hours ending at NOON on 8th AUGUST 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S. and S.W. winds, fresh; unsettled some rain.	6 SCOTLAND WEST	S.W. winds, moderate or fresh; changeable, some showers.
1 SCOTLAND EAST	S.W. winds, light or moderate; fair generally, but some showers.	7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	S.W. winds, fresh; unsettled, some showers, fog locally.
3 ENGLAND EAST	N. to S.W. winds, moderate; fair at times, but some showers, and possibly thunder.	9 IRELAND NORTH	Same as N ^{os} 6 and 7.
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 ...	29.76	59	55	NW 6	bc	4	Holyhead ...	30.08	56	55	SW 1 3	d	2
Sumburgh Head ...	29.93	51	50	NW 1	o	1	Valencia ...	29.52	66	64	WNW 4	og	4
Stornoway ...	29.86	53	52	SE 3	o	3	Scilly ...	29.23	61	59	WNW 5	og	5
Aberdeen ...	29.02	56	50	NW 2	c	2	Jersey ...	29.24	62	59	W 4	og	3
Shields ...	29.03	56	51	E 2	o	2	Dungeness ...	29.13	60	58	W 5	og	3
Ardrossan ...	29.03	52	52	S 2	2m	1	London ...	29.15	60	53	SW 3	og	*
Malin Head ...	29.99	59	59	W 4	of	3	Yarmouth ...	29.07	62	56	N 3	bc	4
Mullaghmore ...	29.05	61	61	W 5	on	4	Rochefort ...	29.36	68	61	NW 4	6	2
Belmullet ...	29.08	61	60	WNW 4	o	*							

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, in an anticyclone lying over the Bay of Biscay, from rather above 29.9 ins. over the Black Sea, and from rather above 29.7 ins. over Lapland, to somewhat below 29.6 ins. in a depression over the Sound and Holsten, and to a little below 30.0 ins. off our extreme northwestern coasts. Thus while S.E. by breezes and fine, bright, warm weather prevailed over the Baltic and Sweden, gales from NW were experienced over the southeastern shores of the North Sea, accompanied by much rain. In the British Islands the wind was mainly W. and of little force, but at the extreme northwestern stations it had backed to the southward, and slight rain had again begun to fall in many places. Temperature was very low over the North Sea, England, France and south Germany, but was inclined to rise over the Baltic Provinces. The highest individual values were 83° at Biskra, 80° at Oporto, 77° at Brindisi, 75° at San Fernando, 73° at Lisbon, 71° at Rome, and 70° at Legna, the lowest were (P) 46° at Munich, 49° at Sumburgh Head, 50° to 52° at most of the Scotch stations, 52° at Lyons, 53° at Loughborough and in London.

Later on rain fell in many parts of the Kingdom, but the amounts were very small. The weather, however, was cold and unseasonable.

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 8TH AUGUST 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.	Rain. (0 to 2.)		SHADE TEMP.		Amount of Rainfall.
			Direct.	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.	Direct.	Force. (0 to 12.)				Max.	Min.	
SCANDINAVIA.	Haparanda ...	29.85	58	SW	2	bc	29.87	+0.05	58	58	-2	2	0	bc	*	70	46	-
	Hernösand ...	29.92	57	2	0	bc	29.86	-0.07	57	56	-2	2	0	bc	*	72	50	0.04
	Stockholm ...	30.00	58	2	2	bc	30.01	+0.04	62	54	-1	W	2	bc	*	72	50	-
	Wibby ...	30.10	55	SW	4	bc	30.08	+0.11	58	56	-2	W	2	bc	*	66	52	-
	Bodö ...	29.89	51	2	0	bc	29.80	-0.08	58	51	+9	bc	2	bc	1	72	46	-
	Christiansund ...	29.85	58	W	1	f	29.72	-0.19	54	53	+2	ENE	1	f	7	61	52	0.16
	Skudesnaes ...	29.93	55	SW	6	bc	29.82	-0.14	56	53	+1	NE	6	bc	5	56	55	0.04
	Christiania Fjord (Færdor)	29.99	59	SW	4	bc	29.96	+0.01	58	57	-2	SW	5	0	3	61	57	0.04
	Skagen (The Scaw)	30.01	59	SW	1	bc	30.01	+0.08	55	53	-4	SW	3	0	2	68	52	-
	Fanö ...	30.08	53	W	2	bc	30.01	+0.08	58	56	-1	0	6	bc	*	63	54	-
BRITISH ISLANDS.	Sumburgh Head	29.70	56	0	1	bc	29.67	-0.13	53	52	+3	SW	2	0	3	58	48	0.12
	Stornoway ...	29.71	59	W	2	bc	29.63	-0.05	56	55	-3	SW	3	2	4	64	53	0.10
	Wick ...	29.73	57	W	1	0	29.70	-0.05	57	56	-2	0	3	bc	2	66	50	0.40
	Nairn ...	29.72	60	SW	2	f	29.72	-0.05	60	58	0	SW	4	bc	2	68	55	0.31
	Aberdeen ...	29.77	63	SW	2	bc	29.81	-0.07	57	54	+1	SW	2	bc	1	66	50	0.01
	Leith ...	29.83	65	W	6	bc	29.89	-0.04	61	56	-1	SW	5	bc	*	67	54	0.05
	Shields ...	29.91	64	SW	4	0	29.96	-0.03	59	58	-3	W	2	bc	2	71	58	-
	Spurn Head ...	29.99	66	W	3	bc	30.02	-0.04	61	60	+1	SW	3	bc	2	75	58	0.01
	York ...	30.00	65	W	1	0	30.03	-0.04	60	57	-1	W	2	bc	*	75	57	-
	Loughborough	30.04	72	W	4	bc	30.09	-0.03	63	61	-3	W	3	bc	*	80	59	-
GERMANY.	Ardrossan ...	29.84	58	SW	4	bc	29.89	-0.04	56	53	0	SW	4	bc	3	58	54	0.08
	Malin Head ...	29.85	59	W	4	bc	29.86	-0.01	58	56	-1	W	4	bc	4	61	51	0.31
	Mullaghmore ...	29.91	59	W	5	bc	29.93	+0.02	61	58	0	SW	5	bc	4	62	55	0.12
	Belmullet ...	29.93	60	W	5	bc	29.95	+0.06	60	56	0	W	4	bc	*	61	57	0.10
	Donaghadee ...	29.90	64	SW	2	0	29.97	-0.03	58	56	-1	SW	3	bc	2	66	53	0.05
	Barrow-in-Furness	29.97	59	SW	6	0	30.03	-0.03	58	56	0	SW	3	bc	*	60	55	0.04
	Liverpool (Biston)	29.99	63	SW	6	bc	30.05	-0.03	61	59	-3	W	2	bc	3	70	57	0.09
	Holyhead ...	30.00	57	SW	5	bc	30.05	-0.03	60	59	+5	SW	3	bc	2	60	53	0.01
	Parsonstown ...	29.99	62	SW	2	bc	30.04	-0.02	58	55	-1	W	2	bc	*	67	53	0.01
	Valencia ...	30.05	59	SW	3	bc	30.07	-0.01	60	58	-2	SW	2	bc	2	63	53	0.11
FRANCE & NETHERLANDS.	Roche's Point ...	30.07	60	W	5	bc	30.08	-0.04	58	56	0	W	2	bc	3	64	53	-
	Pembroke ...	30.13	57	SW	2	f	30.12	-0.05	57	57	0	SW	3	bc	4	59	56	0.02
	Scilly ...	30.19	60	SW	2	f	30.15	-0.07	61	61	+2	0	2	bc	4	64	56	0.02
	Prawle Point ...	30.21	57	SW	1	f	30.19	-0.02	57	57	-1	W	2	bc	1	68	50	0.03
	Jersey ...	30.24	62	W	3	bc	30.22	-0.03	59	58	0	W	3	bc	3	62	52	0.01
	Hurst Castle ...	30.17	58	W	5	f	30.19	-0.01	59	59	-2	W	3	bc	1	64	57	0.01
	Dungeness ...	30.11	58	W	4	f	30.16	+0.03	58	58	-1	W	4	bc	3	67	56	-
	London ...	30.11	74	W	3	bc	30.15	0.00	65	61	+1	SW	2	bc	*	79	60	-
	Oxford ...	30.13	63	SW	2	bc	30.15	-0.01	61	58	-1	SW	2	bc	*	76	58	-
	Cambridge ...	30.11	72	W	1	bc	30.13	+0.01	64	61	-1	SW	1	bc	*	79	57	-
PENINSULA.	Yarmouth ...	30.05	64	0	2	bc	30.08	-0.02	64	60	+6	W	2	bc	2	65	56	0.02
	Cuxhaven ...	30.22	54	W	2	bc	30.14	+0.17	56	53	-2	0	2	bc	*	59	54	-
	Berlin ...	30.16	56	2	0	bc	30.24	+0.20	56	54	+1	W	1	bc	*	59	48	-
	Wiesbaden ...	*	*	*	*	*	30.31	+0.12	57	55	+2	2	0	bc	*	66	48	0.04
	Munich ...	30.28	50	SW	1	0	30.36	+0.12	53	51	+3	W	2	bc	*	57	45	0.12
	The Helder ...	30.10	59	SW	1	0	30.08	-0.01	60	59	+4	SW	1	0	2	63	55	-
	Brussels ...	*	*	*	*	*	30.20	+0.03	60	59	+4	SW	4	0	*	66	55	-
	Cape Gris Nez ...	30.14	56	SW	4	f	30.16	+0.03	58	58	0	W	4	f	3	66	55	0.04
	Paris ...	30.22	68	W	1	bc	?	?	57	57	+1	SE	1	0	*	71	51	0.04
	Brest ...	30.25	59	2	0	m	30.22	-0.08	59	56	+4	0	4	0	4	68	46	-
PENINSULA.	Lorient ...	30.26	60	SW	1	m	30.21	-0.07	58	58	0	E	3	f	2	66	52	-
	Rochefort ...	30.29	67	W	2	bc	30.24	-0.08	62	61	-1	ENE	5	bc	2	73	53	-
	Belfort ...	30.19	62	W	1	bc	30.30	+0.06	61	59	+4	W	1	bc	*	64	53	-
	Lyons ...	30.25	61	N	1	bc	30.29	+0.02	60	56	+7	W	5	bc	*	66	52	-
	Nice ...	30.03	67	W	1	bc	30.07	+0.03	68	54	+1	W	3	bc	1	75	53	-
	Perpignan ...	30.13	79	N	5	bc	30.17	-0.04	69	63	+1	2	0	bc	*	84	59	-
	Biarritz ...	30.19	70	NE	5	bc	30.12	-0.19	64	61	+4	W	4	bc	1	73	59	-
	Corunna ...	*	*	*	*	*	30.22	-0.05	75	64	+6	W	8	bc	2	95	?	-
	Lisbon ...	29.99	86	SW	4	bc	30.02	-0.05	75	64	+6	W	8	bc	2	95	?	-

WEATHER CHARTS

for 8 a.m. on Wednesday, 8th August.

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.

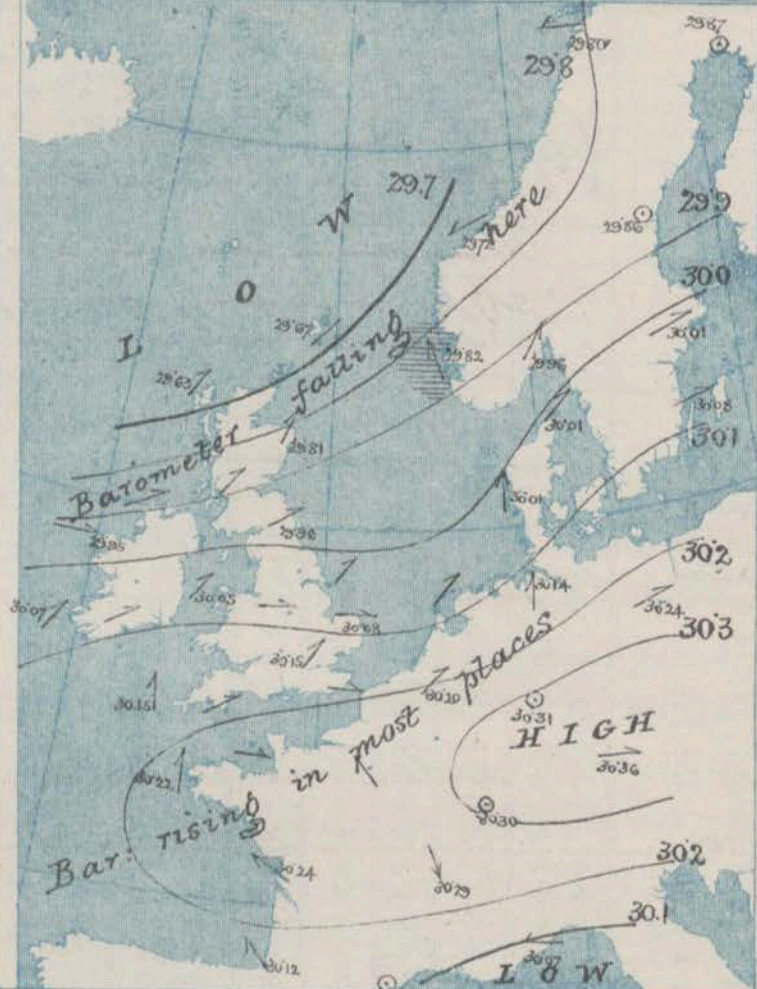
Sea Disturbance — where considerable, is shown thus.

— Rough. — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



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 August.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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 in. to 30.3 ins. and more, over the south of England, France and Germany.
 Lowest 29.4 ins. and less, over the north of Scotland and the adjacent Islands, 30.1 ins. and less, over the south of France.
 Gradient slight in the south, moderate in the north.
 Barometer falling slightly in the north and extreme west, rising over Germany.

TEMPERATURE

Highest 75° at Lisbon, 68° at Nice, 65° in London, 63° at Loughborough, 62° at Stockholm, and 60° at Hairo.
 Lowest 53° at Lumburg Head, 54° at Christiansund.
 The daily maxima were as high as 79° to 80° in many parts of England.

WIND

SW. to W. in our Islands, moderate to fresh in the north and northwest, light in the south.
 S. strong, on the eastern shores of the North Sea, calm in the north of Scandinavia.
 Over the Bay of Biscay it is moderate from between E and SE.

WEATHER

Very foggy over the Channel and at Pembroke and Lorient - rainy at some extreme northern stations, fair or fine elsewhere.
 Slight rain fell yesterday except in the southeast of England; lightning was seen in London at night.

SEA

Moderate in the southwest, west and northwest, 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 August 9th 1883.

DISTRICTS.



FORECASTS.

0	SCOTLAND NORTH	SW. breezes, moderate or fresh, some showers
1	SCOTLAND EAST	SW. breezes, light, fair as a whole.
2	ENGLAND N.E.	
3	ENGLAND EAST	SW. breezes, moderate, fine generally.
4	MIDLAND COUNTIES	warm. Foggy in Channel.
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	S. and SW. winds, moderate to fresh; some showers.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as No. 5.
9	IRELAND NORTH	Same as No. 6 and 7.
10	IRELAND SOUTH	
WARNINGS		None Issued.

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

DAILY WEATHER REPORT.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	29.71	58	54	SW 2	c	4	Holyhead	29.74	59	55	W 4	c	4
Samburgh Head	29.71	58	54	SW 2	c	4	Valencia ...	29.86	63	59	SW 6	omd	5
Stornoway ...	29.72	62	62	W 3	c	4	Scilly ...	29.21	63	61	W 2	f	4
Aberdeen	29.72	63	57	SW 4	98.4	4	Jersey	29.26	63	58	W 3	o f	3
Shields ...	29.94	70	63	SW 3	c	2	Dungeness	29.13	66	62	W 4	6	2
Ardroassan ...	29.49	58	58	SW 5	2m	4	London ...	29.12	76	67	W 4	6	2
Malin Head ...	29.52	60	59	SW 4	od	3	Yarmouth	29.08	63	61	SW 4	6c	3
Mullaghmore ...	29.77	62	61	SW 5	m f	4	Rochefort	29.34	67	68	W 4	o	2
Belmullet ...	29.91	60	58	W 3	c	*							

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

The reports for yesterday morning showed that pressure varied from 30.3 in. and more over the Bay of Biscay, and from 29.2 in. and more over nearly the whole of France and the southwestern counties of England, to 29.4 in. and less off the extreme northwest of our Islands, and to rather below 29.9 in. over northern Europe. The winds reported varied greatly both in direction and force — variable W. breezes and fair weather being reported over the whole of northern and central Europe, with the North Sea, while fresh S.W. breezes and dull, foggy weather (with rain in places) were reported at our western stations, and N. wind over Spain. Temperature was rising over northwestern Europe, but remained low elsewhere. The highest individual values were 84° at Biskra, 78° at Barcelona, 74° at San Fernando, 73° at Brindisi and Cagliari, 69° at Cassanese, 68° at Perpignan, 66° at Loughborough, 64° in London, and 62° at Leith. Over France and Germany the readings were nearly all below 60°. The lowest values were 49° at Bodo, 50° at Samburgh Head, 52° at Christiansund, and 50° at Skudesnaes.

During the day temperature rose to between 78° and 80° in many parts of England, and though slight rain fell in the west and north, the weather in the southeast was fair.

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 9TH AUGST 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.		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 ..	29.83	54	2	0	C	29.81	-0.06	61	60	+6	SE	2	60	*	61	45	-		
Hernösand ...	29.80	62	SW	2	C	29.78	-0.08	59	58	+2	S	2	C	*	72	48	-		
Stockholm ...	29.96	59	2	0	C	29.90	-0.11	60	58	-2	SW	2	0	*	72	52	0.02		
Wisby ...	30.02	59	SW	2	C	29.99	-0.09	59	58	+1	WNW	4	0	*	68	54	0.04		
Bodö ...	29.72	55	2	0	C	29.70	-0.10	58	52	-5	WNW	2	0	1	70	50	0.12		
Christiansund...	29.77	53	WNW	4	F	29.78	+0.06	54	52	0	SW	3	2	2	61	50	0.16		
Skudesnaes ...	29.89	56	SW	4	0	29.97	+0.15	56	56	0	S	2	0	3	59	58	-		
Christiania Fjord	29.87	58	SW	4	C	29.92	-0.04	58	58	0	WNW	5	0	0	58	57	0.08		
(Færdar)																			
Skagen (The Scaw)	29.93	58	WNW	2	6C	29.99	-0.02	59	56	+4	W	3	60	3	51	52	0.16		
Fanö ...	30.08	56	SW	2	6C	30.10	+0.09	59	58	+1	SW	2	F	*	59	58	0.12		
BRITISH ISLANDS.																			
Sumburgh Head	29.70	54	SW	4	0	29.88	+0.21	52	50	-1	W	3	60	3	59	46	0.07		
Stornoway ..	29.79	58	W	3	C	29.92	+0.29	58	56	+2	SW	2	C	2	60	48	0.04		
Wick ...	29.82	62	W	1	6C	29.96	+0.26	58	53	+1	W	1	C	1	62	48	0.01		
Nairn ...	29.85	60	SW	2	6C	29.95	+0.23	59	53	-1	SW	1	60	1	66	54	-		
Aberdeen...	29.88	63	SW	2	C	30.00	+0.19	62	56	+5	WNW	1	C	1	67	57	-		
Leith ...	29.94	64	WNW	4	C	30.04	+0.15	61	59	0	WNW	1	2m	*	67	56	-		
Shields ...	30.01	66	WNW	3	C	30.06	+0.10	60	59	+1	SW	2	C	2	69	58	-		
Spurn Head ...	30.05	66	WNW	2	6C	30.10	+0.07	60	59	-1	ENE	1	2m	2	71	56	-		
York ...	30.06	66	W	3	6C	30.10	+0.07	60	59	0	SW	1	6	*	70	58	-		
Loughborough	30.09	71	W	1	6	30.11	+0.02	61	60	-2	S	0	ofw	*	75	57	-		
GERMANY.																			
Arrossan ...	29.96	60	W	2	0	30.03	+0.14	59	56	+1	SW	2	0	1	62	54	-		
Malin Head ...	29.97	58	W	4	0	30.02	+0.16	59	55	-1	SW	2	C	2	63	54	0.01		
Mullaghmore ...	30.01	60	WNW	1	0	30.04	+0.11	58	56	-3	S	0	0	1	64	53	-		
Belmullet ...	30.02	59	W	4	0	30.04	+0.09	59	57	-1	W	1	0	*	62	56	-		
Donaghadee ...	30.02	64	WNW	4	C	30.06	+0.09	60	58	+2	E	3	2m	1	66	54	-		
NETHERLANDS.																			
Barrow-in-Furness	30.06	62	S	3	6C	30.08	+0.05	59	56	-1	NW	2	0	*	62	56	-		
Liverpool (Bidston)	30.08	66	W	2	6	30.08	+0.03	61	59	0	SE	1	6f	2	68	54	-		
Holyhead ...	30.09	59	SW	3	F	30.07	+0.02	59	56	-3	SW	1	0	2	64	58	-		
Parsonstown ...	30.05	67	WNW	1	C	30.06	+0.02	59	59	+1	NW	1	0	*	69	56	-		
Valencia ...	30.07	62	SW	2	0m	30.04	-0.03	61	60	+1	NW	1	0	1	66	58	-		
FRANCE.																			
Roche's Point...	30.08	59	SW	3	F	30.04	-0.04	59	59	-1	SE	2	2f	3	62	53	0.03		
Fembroke ...	30.12	59	SW	2	F	30.04	-0.08	58	59	+1	ENE	2	2m	2	59	56	-		
Seilly ...	30.09	61	SE	2	0	29.96	-0.19	62	61	+1	SE	1	2m	4	63	56	0.01		
Prawle Point ...	30.16	53	2	0	6	30.02	-0.17	60	59	+3	ENE	2	60	2	64	57	-		
Jersey ...	30.14	76	2	0	6	30.12	-0.10	65	62	+6	ENE	2	2m	2	77	58	-		
SPAIN.																			
Hurst Castle ...	30.17	58	SW	2	F	30.14	-0.05	67	65	+8	ENE	1	6	0	69	55	-		
Dungeness ...	30.16	61	WNW	4	C	30.15	-0.01	62	61	+4	SW	3	C	2	63	56	-		
London ...	30.14	71	SW	3	6	30.12	-0.03	73	63	+8	SW	1	60	*	79	55	-		
Oxford ...	30.13	66	S	2	6	30.11	-0.04	64	62	+3	S	1	6	*	77	53	-		
Cambridge ...	30.13	72	SW	1	6	30.12	-0.01	66	65	+2	S	1	6	*	78	54	-		
ITALY.																			
Yarmouth ...	30.10	64	SW	2	6	30.10	+0.02	65	63	+1	SW	2	6	2	72	59	-		
Cuxhaven ...	30.14	60	W	3	C	30.20	+0.06	61	60	+5	SW	2	6	*	62	55	-		
Berlin ...	30.18	66	2	0	C	30.22	+0.02	64	61	+8	W	1	0	*	72	?	-		
Wiesbaden ...	*	*	*	*	*	30.30	-0.01	60	59	+3	S	0	6	*	?	54	?		
Munich ...	30.36	56	2	0	6	30.40	+0.04	58	?	+5	SW	2	C	*	64	46	-		
NETHERLANDS.																			
The Helder ...	*	*	*	*	*	30.22	+0.02	69	65	+9	SW	4	6	*	77	?	-		
Brussels ...	*	*	*	*	*	30.15	-0.01	69	66	+11	S	3	60	1	66	58	-		
Cape Gris Nez...	30.17	65	SE	4	6	30.25	?	61	60	+4	SW	1	6	*	81	56	-		
Paris ...	30.23	75	S	1	6	30.08	-0.14	66	55	+7	S	5	0	3	73	46	-		
Brest ...	30.12	73	SE	3	6	30.08	-0.13	68	63	+10	SE	5	C	2	77	59	-		
Lorient ...	30.13	76	SE	4	6C	30.16	-0.08	63	61	+1	ENE	5	6	2	88	59	-		
Rochefort ...	30.17	81	ENE	5	6	30.31	+0.01	65	61	+4	NE	3	6	*	73	50	-		
Gelfort ...	30.28	61	NW	1	6C	30.26	-0.03	65	60	+5	SE	1	6	*	74	55	-		
Lyons ...	30.23	70	N	4	6	30.23	+0.16	72	56	+4	E	1	6	1	79	61	-		
Nice ...	30.14	73	SW	3	6	30.23	+0.06	65	62	-4	S	0	6	*	72	53	-		
PORTUGAL.																			
Perpignan ...	30.15	75	2	0	6	30.05	-0.07	71	64	+7	SE	4	6	1	90	?	-		
Biarritz ...	30.06	86	ENE	5	6	30.05	-0.07	71	64	+7	SE	4	6	1	90	?	-		
ITALY.																			
Corunna ...	*	*	*	*	*	30.06	+0.04	66	65	-9	WNW	3	2m	2	95	64	-		
Lisbon ...	29.97	72	SW	7	6C	30.06	+0.04	66	65	-9	WNW	3	2m	2	95	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

Thursday, 9th August.

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.

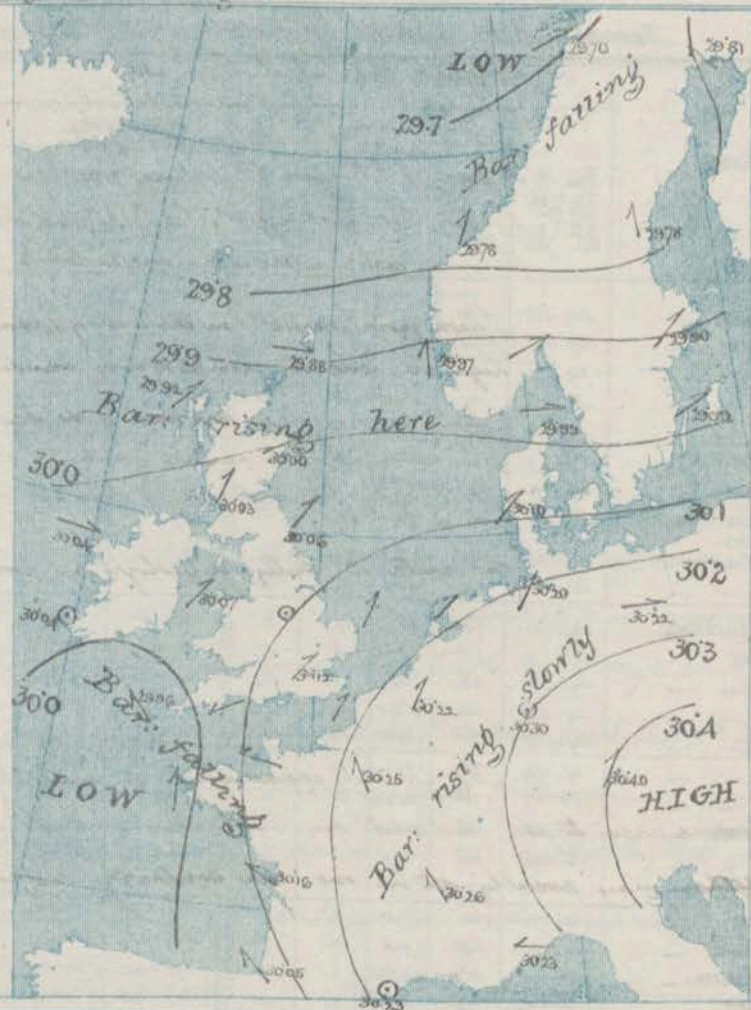
Sea Disturbance — where considerable is shown thus.

— Rough. — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.908
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



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.

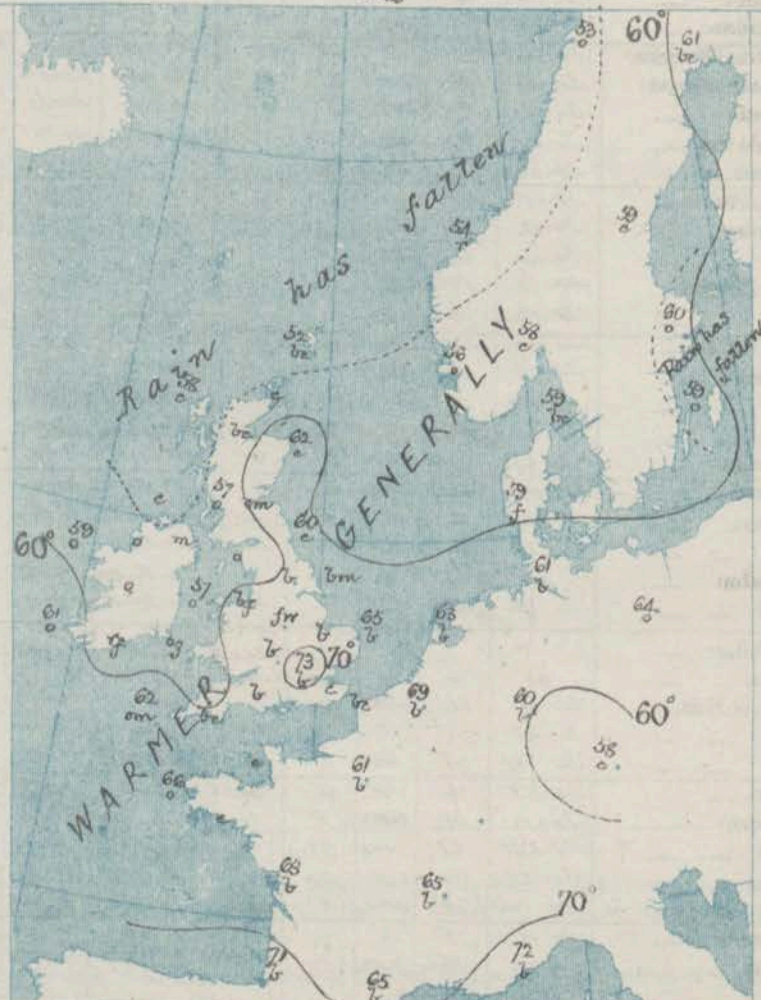
Weather is shown by Letters of the Beaufort Scale.

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 August.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 5 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	66.7	54.3	58.7	55.6	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	58.7	61.4	57.8	2.20
Oxford	69.2	58.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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 30.40 ins. at Munich. Lowest 29.7 ins. at Bodo, relatively low (30.0 ins and less) in a shallow area lying off our southwest coast. Gradients slight. Barometer falling in London, the south coast of our Islands and the west of France, rising elsewhere.
TEMPERATURE	Highest 73° in London, 72° at Nice, 71° at Biarritz, 69° at Brussels, 68° at Lorient, and 66° at Cambridge and Brest. Lowest 52° at Lumburg H ^o , 53° at Bodo, 56° at Shussein, and 57° at Androsson, Malin H ^o , Barrow in Furness, Holyhead and Roske Point. During yesterday the thermometer rose to 77° at Jersey and Oxford, 78° at Cambridge and 79° in London.
WIND	Fresh from the SE ^W in the west of France and light from the same quarter or from E over our southern coast. Light or moderate from SW over Scandinavia, Denmark and the north of our Islands.
WEATHER	Dull at our western and most of the Scandinavian stations, with rain at Christianund and Roske Point. Fine in most other parts of western Europe. Slight rain fell yesterday at our extreme northern stations.
SEA	Moderate at Scilly, but slight or smooth elsewhere.



PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general appearance is scarcely so favourable as it was yesterday. The low pressure area to the southwest of our Islands is inclined to spread eastwards, and unsettled, thundery weather may possibly set in over our southern districts before long.

FORECASTS

For the 24 hours ending at NOON on 10th AUGUST 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW winds, light; fair generally.	6 SCOTLAND WEST	Same as N ^o 0 and 1.
1 SCOTLAND EAST		7 ENGLAND N.W.	SE ^W winds, light or moderate; cloudy. Some rain, thunder locally.
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST	S ^W to SE ^W winds, light; fine and warm at first, unsettled later, probably thunder.	9 IRELAND NORTH	Variable or E ^W breezes; cloudy, rain locally.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH			
		WARNINGS	NONE ISSUED.

Notes.—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 ...	29.88	58	55	S 4	0	4	Holyhead ...	30.08	61	59	SW 3	C	2
Samburgh Head ...	29.67	57	55	SW 4	C	3	Valencia ...	30.08	66	61	SW 2	CV	3
Stornoway ...	29.75	59	57	SW 3	0	4	Scilly ...	30.13	63	61	S 1	0	3
Aberdeen ...	29.84	67	57	SW 3	C	1	Jersey ...	30.19	72	68	SSE 2	6	2
Shields ...	29.98	67	59	SW 3	6C	2	Dungeness ...	30.17	61	59	W 5	m	3
Ardrossan ...	29.74	62	58	SW 4	C	3	London ...	30.14	78	67	SW 3	6C	*
Malin Head ...	29.95	60	57	W 4	0	4	Yarmouth ...	30.11	71	64	W 3	6C	2
Mullaghmore ...	30.00	62	58	W 4	0	3	Rochefort ...	30.21	84	73	ESE 5	6	2
Belmullet ...	30.02	61	57	W 5	0	*							

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 over Germany, and lowest 29.7 ins. and less, in a large area lying to the Northward of the British Islands, and also in a small depression lying over Serbia. The wind was SW^{ly} over all the more northern parts of Europe, but SE^{ly} in the west of France, NE^{ly} in Spain and variable in Italy and Algeria. The weather was rainy at some of the German stations, and also in the extreme north of our Islands, but fair or fine in nearly all other localities.

Temperature had fallen a little in Scandinavia and also in Algeria, but changed little and irregularly elsewhere; readings ranged from 80° and upwards, at some of the Spanish stations and 70° and upwards, in Algeria and Italy to 53° and less, in some of the central and extreme northern districts of Europe. The highest individual readings were 83° at Laorunna and Oporto, 81° at Biskra, 80° at Palma, 76° at Barcelona, 75° at Lisbon, and 74° at Laghouat; the lowest were 48° at Cassel, 52° at Uleaborg and Suvismund, 53° at Samburgh Head, and 54° at Christiansund and Breslaw.

In the course of the day the anticyclone over Germany moved slowly eastwards, and a fall of the barometer took place in the west of France. The weather however, remained unchanged; the thermometer over England exceeded 75° in many places, the highest reading of all being 79° in London.

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.

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† 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).

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DAILY WEATHER REPORT.

for FRIDAY, 10TH AUGUST

1888

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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.	Raparanda ..	29.70	57	SE	2	0	29.67	-1.14	53	57	-3	SE	2	0	*	66	48	0.47	
	Hörnösand ...	29.81	54	SE	0	6	29.86	+1.05	52	57	-1	NE	2	6	*	72	54	-	
	Stockholm ...	29.89	62	SW	2	6	29.91	+1.01	60	53	0	WNW	2	6	*	70	54	-	
	Wisby ...	29.84	58	WNW	2	6	29.82	+1.02	60	56	+1	W	2	6	*	68	55	-	
	Bodö ...	29.77	51	WNW	2	2	29.73	+1.03	57	50	0	E	2	0	1	54	50	-	
	Christiansund...	29.86	52	WNW	5	0	29.86	+1.08	52	49	-2	SW	5	0	3	5	52	-1.16	
	Skudesnes ...	29.97	56	SE	0	C	29.92	+1.05	56	54	0	ENE	4	0	3	61	53	-	
	Christiania Fjord (Fæder) ...	29.94	63	W	4	C	29.96	+1.04	57	51	-1	W	3	6	2	63	53	-	
	Skagen (The Scaw) ...	29.92	56	W	3	6	29.90	+1.01	57	56	-2	NW	1	0	1	64	55	0.04	
	Fanö ...	29.91	56	WNW	2	6	29.90	-1.10	62	61	+3	WNW	4	0	*	63	58	0.12	
BRITISH ISLANDS.	Sumburgh Head ...	29.95	54	W	1	C	29.92	+1.14	58	49	-2	NW	1	0	1	53	47	0.18	
	Stornoway ...	29.96	62	SW	4	6	29.97	+1.15	52	51	-6	E	4	0	4	63	43	-	
	Wick ...	29.87	58	W	1	0	29.89	+1.13	53	58	-3	W	1	0	1	60	47	0.20	
	Nairn ...	29.96	63	SE	0	6	29.96	+1.11	55	52	-4	SE	0	6	0	66	53	0.07	
	Aberdeen...	29.91	57	WNW	1	C	29.93	+1.02	53	53	-7	N	1	0	1	60	53	0.06	
	Leith ...	29.97	65	W	1	C	29.94	+1.03	53	53	-6	SE	1	0	1	69	54	0.04	
	Shields ...	29.91	59	NE	2	0	29.92	+1.04	57	55	-3	NE	1	0	2	67	54	-	
	Spurn Head ...	29.97	69	SE	3	6	29.93	+1.07	58	56	-2	E	1	0	2	70	56	-	
	York ...	29.97	76	SE	1	C	29.93	+1.07	61	60	+1	N	1	0	*	75	56	-	
	Loughborough ...	29.99	75	WNW	2	C	29.90	+1.11	64	62	+3	WNW	1	0	*	74	57	-	
GERMANY.	Ardrossan ...	29.93	59	SW	1	0	29.93	+1.00	56	55	-1	WNW	1	0	1	62	54	0.08	
	Malin Head ...	29.96	58	WNW	2	0	29.96	+1.04	54	53	-3	ENE	2	0	2	63	53	-	
	Mullaghmore ...	29.95	60	WNW	1	0	29.93	+1.01	56	55	-2	ENE	5	0	3	62	55	0.01	
	Belmullet ...	29.96	59	N	1	0	29.92	+1.02	57	56	0	E	2	0	4	61	55	-	
	Donaghadee ...	29.95	59	WNW	1	0	29.94	+1.02	54	53	-6	NNE	2	0	1	63	52	-	
	Barrow-in-Furness ...	29.94	62	WNW	2	6	29.97	+1.11	61	60	+4	N	2	0	*	66	56	-	
	Liverpool (Bidston) ...	29.92	60	WNW	2	0	29.96	+1.12	63	60	+2	SE	1	0	2	71	56	-	
	Holyhead ...	29.93	56	N	2	0	29.94	+1.13	60	59	+3	SE	0	0	0	63	58	-	
	Parsonstown ...	29.92	66	SE	0	0	29.96	+1.10	60	55	+1	E	2	0	*	70	54	-	
	Valencia ...	29.97	65	N	2	C	29.93	+1.11	62	61	+1	WNW	1	0	1	68	56	0.01	
FRANCE & NETHERLANDS.	Roche's Point...	29.99	57	SE	2	C	29.90	+1.14	58	57	+1	SE	4	0	4	63	55	0.08	
	Pembroke ...	29.99	60	E	2	6	29.96	+1.03	59	59	+1	SE	3	0	3	65	57	-	
	Scilly ...	29.98	64	ENE	2	C	29.95	+1.01	61	59	-1	WNW	4	0	4	64	56	0.01	
	Prawle Point ...	29.94	62	ENE	2	C	29.93	+1.01	60	60	0	W	3	0	2	68	57	-	
	Jersey ...	29.97	74	SE	3	6	29.95	+1.02	60	64	+3	NW	2	0	2	77	63	-	
	Hurst Castle ...	29.96	68	WNW	1	6	29.94	+1.10	65	63	-2	SW	3	0	3	71	63	-	
	Dungeness ...	29.96	66	SW	1	6	29.94	+1.11	63	61	+1	WNW	4	0	2	70	60	-	
	London ...	29.96	74	ENE	3	0	29.92	+1.10	71	66	-2	SW	2	0	*	83	65	-	
	Oxford ...	29.94	68	SE	2	0	29.99	+1.12	68	65	+4	ENE	2	0	*	80	60	-	
	Cambridge ...	29.95	74	SE	1	C	29.92	+1.10	72	67	+6	ENE	1	0	*	85	59	-	
PENINSULA.	Yarmouth ...	29.96	70	SW	3	6	29.93	+1.07	66	64	+1	SE	2	0	2	72	60	-	
	Cuxhaven ...	29.99	67	N	1	6	29.92	+1.07	69	66	+3	SW	3	0	*	71	59	-	
	Berlin ...	29.91	69	SE	0	6	29.90	+1.02	68	65	+4	SW	1	0	*	75	59	-	
	Wiesbaden ...	29.91	68	SE	0	6	29.96	+1.04	64	61	+4	SE	2	0	6	79	57	-	
	Munich ...	29.96	68	SE	0	6	29.98	+1.02	62	59	+4	ENE	2	0	*	73	50	-	
	The Helder ...	29.92	67	SE	1	0	29.96	+1.09	67	63	+4	SW	3	0	2	73	63	-	
	Brussels ...	29.92	67	SE	0	6	29.93	+1.09	70	65	+1	SE	3	0	*	81	65	-	
	Cape Gris Nez...	29.92	76	WNW	3	C	29.95	+1.10	71	66	+2	WNW	5	0	2	81	68	-	
	Paris ...	29.97	78	SE	3	6	29.97	+1.01	65	62	+4	WNW	1	0	*	83	57	-	
	Brest ...	29.98	67	SW	4	6	29.98	+1.00	60	59	-6	SW	3	0	2	77	47	-	

WEATHER

CHARTS

for 8 a.m. on

Friday, 10th August.

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.

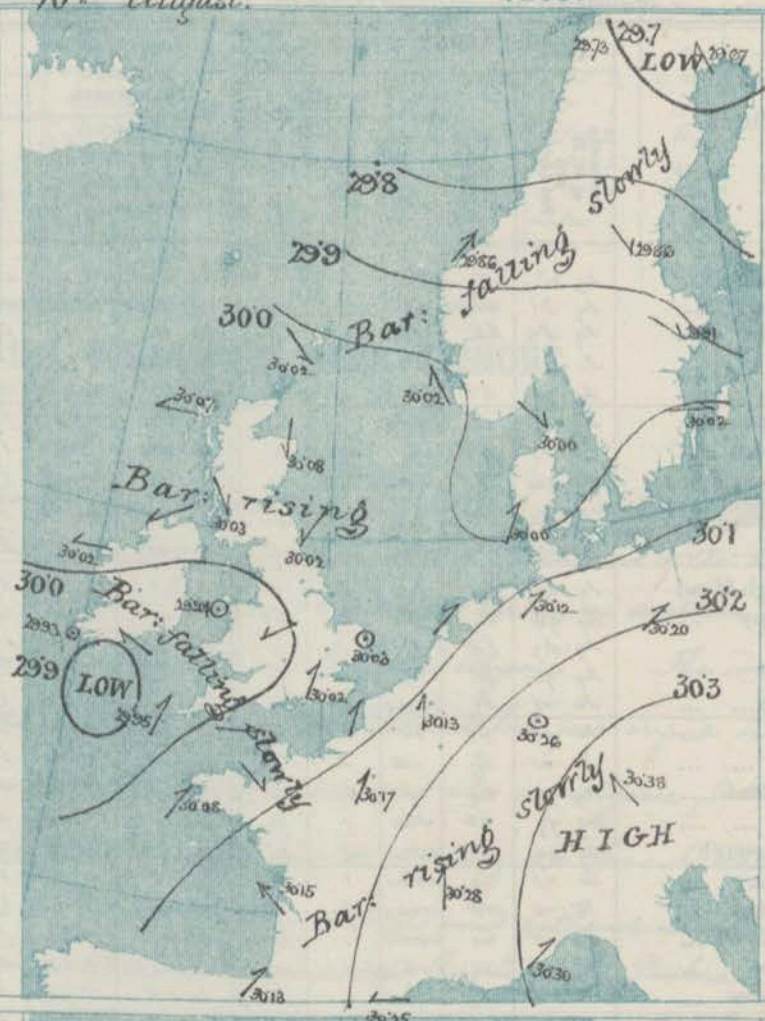
Sea Disturbance — where considerable, is shown, thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.962
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



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.

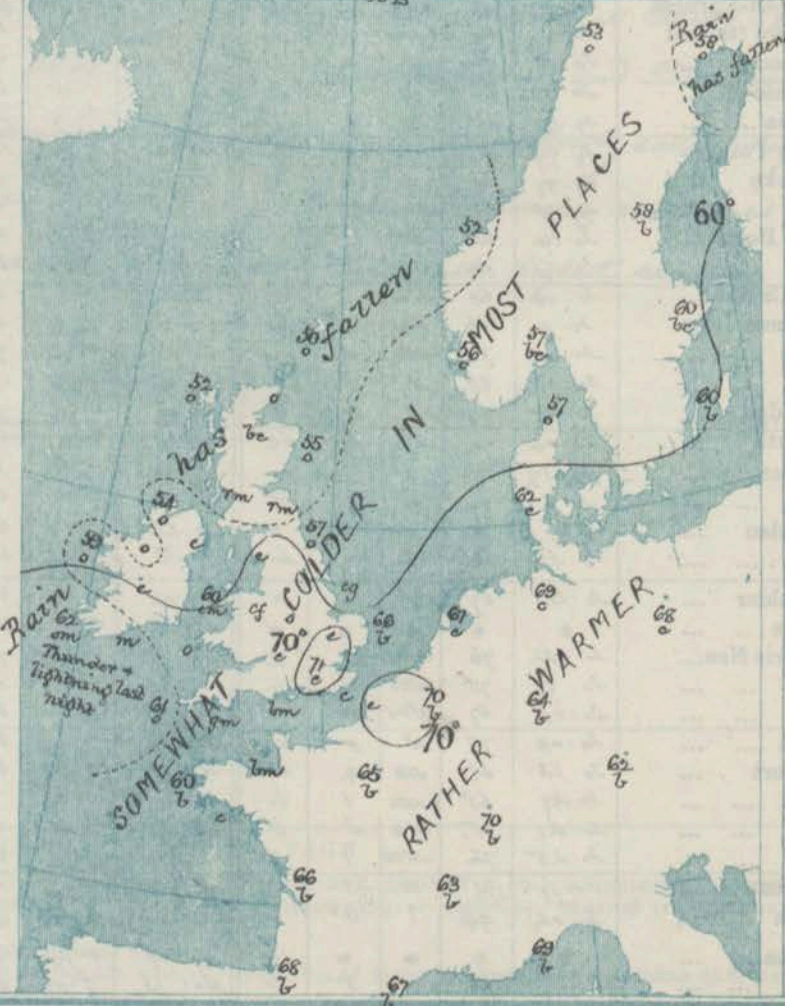
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of August.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	Dry at 8 a.m.	Wet at 8 a.m.	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	55.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.18
Leith	65.8	51.4	57.6	54.6	2.02
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	61.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	64.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	58.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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 upwards, in an anticyclone lying over south Germany, and the southeast of France.
 Lowest 29.7 ins. and less, over the north of Scandinavia; 29.9 ins. and less, in a small shallow depression lying off the south coast of Ireland.
 Gradients slight. Barometer rising in Scandinavia, the north of our Islands and the south of France, but falling elsewhere.

TEMPERATURE

Highest 72° at Cambridge, 71° in London and at Cape Gris Nez, 70° at Brussels, and 69° at Nice.
 Lowest 55° at Dumburgh H., 52° at Christiansund, 53° at Bodø, 52° at Malin H. and Donaghadee, and 53° at Black Hair. Aberdeen with 54°.
 During yesterday the thermometer rose to 83° in London, 84° at Loughborough, and 85° at Cambridge.

WIND

Light or moderate from the NE. on our extreme northwest coasts: variable in the north and east.
 Moderate SW. at our southern and most of the Continental stations.

WEATHER

Fine in the southeast of England and also in Sweden, Denmark, Germany, the Netherlands and France.
 Cloudy elsewhere with mist at several of our western and northern stations, and rain at Leith and Ardrossan.
 Slight rain fell yesterday in the west and north, and thunder and lightning occurred in the south of Ireland at night.

SEA

Moderate at Stormoway, Roche's Point and Scilly, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression off the south of Ireland seems likely to move slowly eastwards, and cloudy unsettled weather will probably extend to our southeastern stations.

FORECASTS

For the 24 hours ending at NOON on 11th AUGUST 1888.

DISTRICTS.

FORECASTS.

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

E. winds, light; dull, rain locally.

Light variable airs; cloudy, thunderstorms locally.

SW. winds, light or moderate; cloudy, some rain, thunder locally.

DISTRICTS.

FORECASTS.

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

NE. winds, light; dull, some rain.

Same as Nos 1 to 4.

Same as No 5.

NE. winds, moderate; dull, some rain, thunder locally.

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 sweep 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 sweep 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 ...	30.05	60	54	1' 4	bc	2	Holyhead ...	30.05	58	57	N 3	c	2
Sumburgh Head ...	29.74	56	53	W 3	bc	2	Valencia ...	30.03	68	63	NNW 1	c	1
Stornoway ...	29.95	60	58	SW 4	c	4	Scilly ...	30.00	64	63	S 1	b	4
Aberdeen ...	30.02	61	56	SSE 2	c	1	Jersey ...	30.10	74	69	ESE 3	bc	3
Shields ...	30.03	63	59	E 2	c	2	Dungeness ...	30.16	68	64	SW 3	bc	2
Ardrossan ...	30.04	60	57	SSW 1	o	1	London ...	30.10	81	68	S 3	bc	*
Malin Head ...	30.05	60	58	NNW 1	o	1	Yarmouth ...	30.09	69	64	S 4	b	3
Mullaghmore ...	30.06	60	57	NN 1	om	2	Rochefort ...	30.13	89	76	SE 4	b	2
Belmullet ...	30.07	61	57	NN 1	o	*							

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

The reports for yesterday morning showed that pressure was highest 30.14 in. and upwards, in an anticyclone lying over south Germany, and lowest 29.7 in. and less, in a depression lying off the northwest of Norway. Another area of low pressure was, however, reported over the Black Sea, while shallow disturbances were lying to the southwestward of our Islands. The wind was SW^{ly} in Scandinavia and the northern parts of the United Kingdom, W^{ly} over northern Europe, and N^{ly} over central Russia and Austria. In France however, it varied between E and SE, while in Spain, Italy and Algeria it was light and variable. The weather was dull at the extreme northern and northwestern stations but fine elsewhere. Temperature had fallen a little in some parts of Spain and Russia, but risen in nearly all other localities; readings ranged from 70° and upwards, over southern Europe generally, to 55° and less, in the Shetlands and west of Norway, and to 50° or less, in the neighbourhood of the White Sea. The highest individual readings were 86° at Bilbao, 82° at Palma, 76° at Barcelona, 75° at Toulon, and 74° at Langhieri and La Galle; the lowest were 48° at Archangel, 52° at Sumburgh Head, 53° at Bodø, 54° at Christiansund, and 56° at Skudesnaes.

In the course of the day the low pressure system to the southwestward of our Islands spread slowly eastwards, with some extension of cloudy weather. Over England however, conditions remained fine, and at the more central stations the thermometer rose to between 82° and 85°.

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 11th August, 1888.

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

PUBLISHED BY THE METEOROLOGICAL OFFICE, NO. 1, WHITEHALL STREET, LONDON. A. 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. (6 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 ..	29.62	54	WNW	2	C	29.58	-0.09	53	54	-2	WNW	2	C	*	63	4.6	—		
Hernösand ...	29.82	53	2	0	G	29.82	-0.04	55	50	-2	NNW	4	bc	*	64	4.8	0.04		
Stockholm ...	29.82	59	WNW	2	G	29.85	-0.06	59	53	-1	NNW	2	G	*	66	52	—		
Wisby ...	29.92	59	WNW	4	G	29.86	-0.16	59	54	-2	NNW	4	G	*	64	55	—		
Bodö ...	29.71	51	2	0	O	29.69	-0.04	50	49	-2	WNW	2	C	1	54	4.6	0.16		
Christiansund...	29.93	51	WNW	7	2	29.97	+0.11	49	46	-2	WNW	7	O	4	54	4.6	0.08		
Skudesnaes ...	30.09	58	WNW	6	O	30.12	+0.10	52	48	-4	NNW	4	C	2	59	?	—		
Christiania Fjord (Færd)	29.89	62	W	2	bc	29.95	-0.01	56	47	-1	NNW	2	G	2	63	54	—		
Skagen (The Scaw)	29.95	56	WNW	2	C	29.97	-0.02	58	53	+1	NW	2	G	2	63	54	—		
Fanö ...	30.05	59	N	2	C	30.04	+0.04	58	55	-4	N	4	bc	*	68	55	—		
BRITISH ISLANDS.																			
Sumburgh Head	30.12	49	NNW	1	C	30.18	+0.16	50	46	0	2	0	G	1	52	29	—		
Stornoway ...	30.13	53	E	4	C	30.10	+0.03	52	51	0	E	4	O	4	55	47	—		
Wick ...	30.17	52	E	1	O	30.18	+0.09	51	48	-4	2	2	O	1	54	45	—		
Nairn ...	30.12	56	E	2	C	30.13	+0.07	51	49	-4	NE	1	O	2	61	50	—		
Aberdeen...	30.15	53	NE	2	C	30.19	+0.11	52	48	-2	E	2	or	2	57	49	—		
Leith ...	30.10	54	SE	2	O	30.13	+0.09	53	52	-2	E	2	O	*	57	51	0.05		
Shields ...	30.05	57	N	1	O	30.11	+0.09	53	54	-2	NE	1	od	2	60	54	—		
Spurn Head ...	29.99	59	NNE	2	bc	30.08	+0.05	56	56	-2	NE	2	f	2	64	54	—		
York ...	30.01	62	NNE	2	O	30.10	+0.07	57	56	-4	E	1	O	*	70	56	—		
Loughborough	29.95	75	WNW	2	bc	30.09	+0.09	59	59	-5	NNE	1	ogaw	*	84	58	—		
Ardsrass ...	30.05	57	ESE	2	om	30.07	+0.04	53	52	-2	NE	2	om	2	60	52	—		
Malin Head ...	30.05	54	NE	2	og	30.00	-0.06	54	54	0	ESE	4	od	2	56	54	—		
Mullaghmore ...	30.01	60	ESE	5	O	29.94	-0.09	59	58	+2	ESE	4	om	2	62	56	—		
Belmullet ...	30.00	61	ESE	2	O	29.91	-0.11	61	59	+2	WNW	2	O	*	61	57	—		
Donaghadee ...	30.01	56	NNE	5	O	30.04	0.00	55	55	+1	E	4	O	2	59	53	0.01		
SCOTLAND.																			
Barrow-in-Furness	29.97	62	SE	1	2	30.05	+0.08	58	57	-2	NW	2	O	*	69	57	0.08		
Liverpool (Bidston)	30.00	62	WNW	1	O	30.05	+0.09	63	60	0	E	2	om	2	75	59	—		
Holyhead ...	29.99	60	WNW	2	Cm	30.03	+0.09	59	59	-1	2	3	m	2	67	59	0.01		
Lancaster ...	29.98	65	2	0	O	29.98	+0.02	60	58	0	SE	1	O	*	67	58	—		
Gloucester ...	29.96	63	SE	2	Cm	29.91	-0.02	63	60	+1	SE	4	om	4	67	58	—		
Penryn ...	29.98	62	ESE	2	m	29.96	+0.06	60	58	+2	2	3	O	2	63	57	—		
Penbroke ...	29.99	59	2	2	f	30.05	+0.09	59	58	0	WNW	2	O	2	60	58	—		
Seely ...	30.03	61	WNW	2	O	30.05	+0.10	60	59	-1	WNW	2	O	2	64	57	—		
Prawle Point ...	30.07	59	W	4	O	30.11	+0.08	58	58	-2	WNW	2	m	2	61	56	—		
Jevel ...	30.10	66	WNW	2	Cm	30.16	+0.11	62	61	-6	WNW	2	ogaw	2	71	59	—		
WALES.																			
Herby Castle ...	30.09	62	WNW	2	C	30.13	+0.09	60	59	-5	WNW	2	O	0	68	59	—		
Dungeness ...	30.03	64	WNW	2	G	30.09	+0.05	61	59	-2	WNW	4	O	2	71	58	—		
London ...	30.05	71	WNW	2	G	30.10	+0.08	61	59	-10	2	O	O	*	85	56	—		
Oxford ...	30.05	66	WNW	2	O	30.09	+0.10	62	60	-6	WNW	1	OW	*	80	60	—		
Cambridge ...	30.01	77	2	0	G	30.08	+0.06	63	62	-9	2	O	O	*	85	59	—		
IRELAND.																			
Yarmouth ...	29.96	69	WNW	2	G	30.06	+0.07	60	59	-6	NW	2	bc	2	79	58	—		
Cuxhaven ...	30.12	62	N	2	f	30.03	-0.09	65	64	-4	ESE	2	f	*	71	59	—		
Berlin ...	30.11	76	WNW	1	C	30.01	-0.19	74	67	+6	WNW	2	C	*	84	64	—		
Wiesbaden ...	*	*	*	*	*	30.18	-0.08	64	54	0	ESE	1	G	*	81	55	—		
Munich ...	30.33	66	NE	1	G	30.31	-0.07	67	60	+5	WNW	2	G	*	77	54	—		
FRANCE & NETHERLANDS.																			
The Helder ...	30.01	68	WNW	2	C	30.02	-0.04	63	61	-4	WNW	1	C	1	72	63	—		
Brussels ...	*	*	*	*	*	30.12	-0.01	68	65	-2	WNW	2	G	*	85	65	—		
Cape Gris Nez...	30.06	66	WNW	2	G	30.10	+0.05	60	59	-11	WNW	4	C	2	79	59	—		
Paris ...	30.12	79	WNW	2	G	30.16	-0.01	69	65	+4	WNW	2	G	*	86	62	—		
Brest ...	30.14	52	WNW	2	O	30.17	+0.09	60	57	0	WNW	4	O	2	77	?	—		
Lorient ...	30.12	66	W	2	G	30.17	+0.11	63	59	-1	WNW	1	O	2	73	61	—		
Rochefort ...	30.17	71	WNW	4	C	30.20	+0.05	67	66	+1	E	1	m	2	84	59	—		
Belfort ...	30.26	78	NE	1	G	30.28	-0.01	69	63	-1	ESE	1	G	*	85	48	—		
Lyons ...	30.21	76	WNW	4	G	30.29	+0.01	62	54	-1	WNW	1	G	*	83	58	—		
Nice ...	30.27	76	2	0	G	30.27	-0.03	68	62	-1	2	O	G	*	79	53	—		
SPAIN.																			
Perpignan ...	30.20	76	E	2	G	30.31	+0.06	66	64	-1	2	O	O	*	84	59	—		
Biarritz ...	30.12	77	WNW	4	G	30.20	+0.07	68	65	0	WNW	2	O	1	91	66	—		
PORTUGAL.																			
Corunna ...	*	*	*	*	*														
Lisbon ...	30.14	78	WNW	5	G	30.19	+0.06	66	62	-2	NNW	4	G	2	82	63	—		

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts on p. 9

WEATHER CHARTS

for 8 a.m. on *Saturday, 11th August.*

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 heads and feathers refer to force, thus —

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

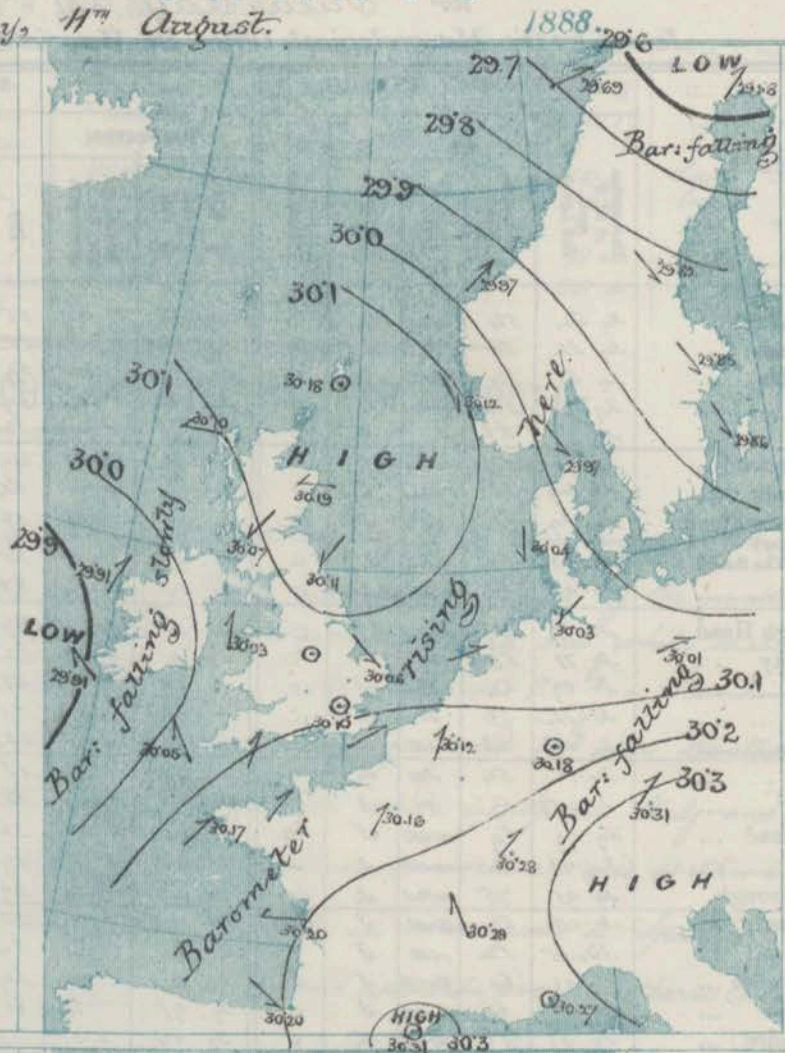
Sea Disturbance — where considerable is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.980
Donaghadee	29.977
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Rocha's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



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.

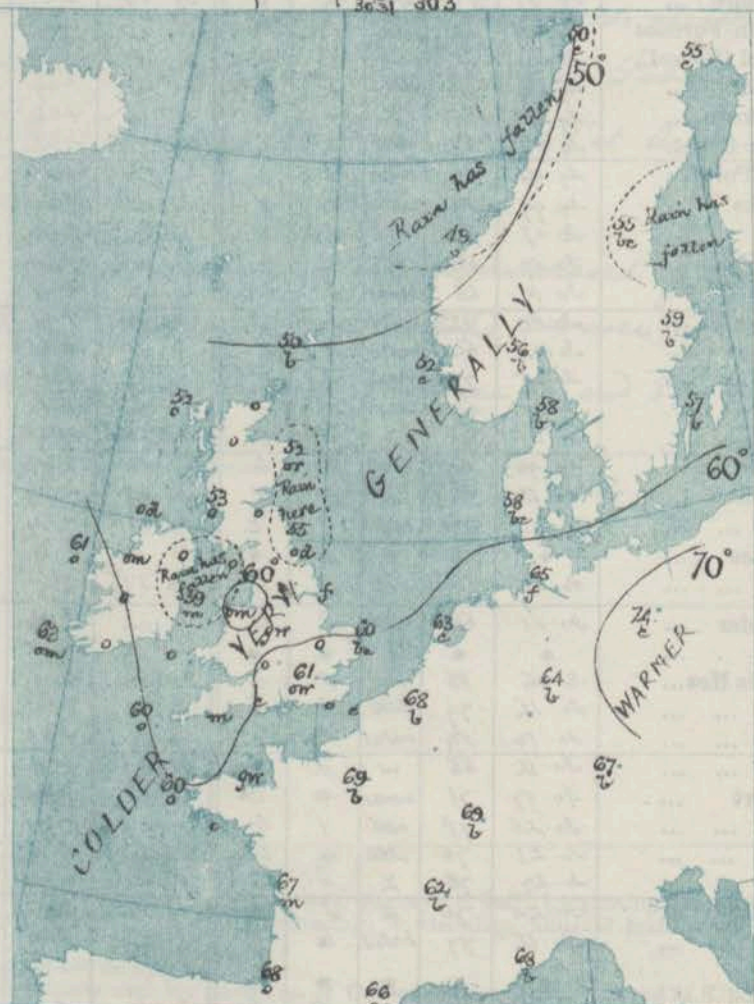
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of August.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.0	54.6	2.02
Shields	63.5	52.3	57.5	54.9	2.61
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.01
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	68.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	71.1	57.2	62.6	59.0	2.06
LONDON	71.3	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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 30.3 ins. and upwards, over south Germany; 30.1 ins. and upwards, over the northern part of the North Sea. Lowest 29.6 ins. and less, in the north of Sweden, 29.9 ins. and less, off the west of Ireland. Gradients slight. Barometer falling in Ireland, Denmark and the north of Scandinavia, but rising elsewhere.
TEMPERATURE	Highest 74° at Berlin, 69° at Paris, 68° at Brussels, Biarritz and Nice, and 67° at Berlin and Rochefort. Lowest 49° at Christiansund, 50° at Bodø and Lumburg H., 51° at Helsingfors and 52° at Hudesnaes, Stornoway and Aberdeen. During yesterday the thermometer rose to 81° at Loughborough, and 80° in London and at Cambridge.
WIND	Moderate SE ^{ly} in Ireland; light E ^{ly} in Scotland, NW ^{ly} in Denmark and the south of Scandinavia. Light or moderate from SW over the south of England, the north of France, the Netherlands and Germany. Variable in the south of France; moderate N ^{ly} at Lisbon.
WEATHER	Dull in most part of our Islands, with fog at Spurn Head, and slight rain at Aberdeen, Shields and Malin H. Fine at most of the Continental stations.
SEA	Moderate at Stornoway and Valencia, but slight or smooth elsewhere.


PROBABLE CHANGES IN SYSTEM NOW PREVALENT


The barometer is now rising again in most parts of Great Britain, and the high pressure systems to the northward and southward of us seem likely to unite. An early renewal of fine, warm weather is therefore probable over our southeastern districts.

FORECASTS

For the 24 hours ending at NOON on 12th AUGUST 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	E ^{ly} winds, light or moderate; changeable, some rain.	6 { SCOTLAND WEST	E ^{ly} winds, light; dull, some rain.
1 { SCOTLAND EAST		7 { ENGLAND N.W.	E and SE ^{ly} winds, moderate; dull, rain locally.
2 { ENGLAND N.E.	E ^{ly} winds, light; dull to fair.	8 { ENGLAND S.W.	Same as N ^o 3 to 5.
3 { ENGLAND EAST	SW and S ^{ly} winds, light; fair generally.	9 { IRELAND NORTH	SE ^{ly} winds, moderate or fresh; dull, some rain.
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.
Skudeanaes ...	30.25	58	54	NNW 6	C	L	Holyhead ...	29.99	62	60	SW 3	om	L
Sumburgh Head ...	30.09	51	47	NNW 2	bc	L	Valencia ...	29.95	68	64	SE 1	om	1
Stornoway ...	30.12	55	52	E 4	C	4	Scilly ...	30.01	63	61	SW 4	0	4
Aberdeen ...	30.14	55	53	ENE 2	C	L	Jersey ...	30.10	70	65	NW 2	bm	L
Shields ...	30.05	58	56	NE 2	0	L	Dungeness ...	30.04	64	61	SW 2	bc	L
Ardrossan ...	30.05	60	57	NE 3	0	L	London ...	30.01	84	71	S 3	b	*
Malin Head ...	30.06	55	53	NE 3	C	3	Yarmouth ...	29.99	69	65	E 3	bc	L
Mullaghmore ...	30.01	60	56	ENE 5	0	3	Rochefort ...	30.18	79	73	W 4	bc	L
Belmullet ...	30.06	61	56	ENE 2	0	*							

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

The reports for yesterday morning showed that pressure was highest (30.3 inches and upwards) in an anticyclone lying over South Germany and also in a smaller area lying over the east of Spain and lowest 29.7 inches and less over Lapland. An area of relatively low readings was, however, still lying over the Black Sea while a small shallower depression was reported off the south of Ireland. The wind was SW^{ly} over Central Europe as well as in France and the south of our Islands and W^{ly} over the northern parts of Scandinavia and Russia. In the extreme NW of our Islands, however, it was NE^{ly}, while over Sth Italy and the Algerian coasts it was chiefly N^{ly}. The weather was fine on the whole, but a good deal of cloud prevailed over Nth Scandinavia, and the west and north of our Islands, while rain was falling in the south of Scotland. Temperature had risen somewhat over Central Europe but fallen elsewhere, and readings ranged from 70° and upwards at most of the southern stations as well as in the SE of England to 55° or less over the northern parts of Russia, Scandinavia and Scotland. The highest individual readings were 80° at Palma, 77° at Bilbao, 76° at Barcelona and Langueira and 75° at San Fernando, Brindisi and Malta; the lowest were 50° at Sumburgh Head, 52° at Archangel and Kristianund, 53° at Bodo, 54° at Chalen R^o and Bonaghadee and 55° at Uleaborg, Wick, Nauri, Aberdeen & Leith.

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; o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency;

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 Sth 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, 12th August 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.	BAROMETR.		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 ..	29.55	SW	0	b	29.60	+ .02	52	52	- 3	NE	2	f	*	64	48	-													
	Hernösand ...	29.82	SW	4	c	29.83	+ .01	54	47	- 1	NE	6	b	*	66	45	-													
	Stockholm ...	29.86	SW	0	b	29.89	+ .04	55	49	- 4	NE	2	b	*	68	48	-													
	Wisby ...	29.92	SE	2	b	29.93	+ .01	59	55	+ 2	N	2	b	*	63	55	-													
	Bodö ...	29.76	SW	2	c	29.83	+ .07	49	47	- 1	WNW	2	o	1	55	48	-													
	Christiansund...	30.06	WSW	4	c	30.00	+ .06	49	46	- 3	SE	1	b	3	52	45	0.16													
	Skudesnaes ...	30.05	SW	6	c	29.95	+ .10	54	50	+ 2	WNW	4	o	3	52	52	-													
	Christiania Fjord (Farder)	29.93	WSW	3	b	29.94	+ .01	57	54	+ 1	WNW	2	b	1	63	55	-													
	Skagen (The Seaw)	29.95	WSW	1	b	29.92	+ .03	58	55	- 3	SE	1	b	*	66	52	-													
	Faro ...	30.04	WNW	2	b	30.00	+ .04	57	54	- 1	WNW	2	o	*	63	48	-													
BRITISH ISLANDS.	Sumharugh Head	30.12	SW	0	c	29.94	+ .18	49	48	- 1	SE	3	r	3	56	43	0.04													
	Stornoway ...	30.00	SW	0	r	29.70	+ .30	53	53	+ 1	E	2	r	3	54	50	0.26													
	Wick ...	30.06	SE	3	r	29.79	+ .27	52	52	+ 1	SE	5	2	6	53	49	0.40													
	Nairn ...	30.01	SE	1	r	29.75	+ .25	55	54	+ 4	SE	0	or	1	55	50	0.20													
	Aberdeen ...	30.09	SE	2	o	29.86	+ .23	51	51	- 1	SE	3	or	3	52	50	0.14													
	Leith ...	30.03	E	3	o	29.81	+ .22	58	57	+ 5	SE	0	r	*	58	52	0.05													
	Shields ...	30.05	E	2	o	29.85	+ .20	58	57	+ 3	SE	2	or	2	58	52	0.07													
	Spurn Head ...	30.05	NE	1	b	29.94	+ .14	61	58	+ 5	WSW	3	c	2	61	54	-													
	York ...	30.05	E	1	m	29.90	+ .15	64	61	+ 7	S	2	b	*	64	55	-													
	Loughborough	30.05	WSW	2	o	29.96	+ .13	61	60	+ 2	WSW	1	or	*	66	58	-													
GERMANY.	Ardrossan ...	29.97	NE	2	r	29.75	+ .22	57	57	+ 4	S	2	om	1	60	52	0.04													
	Malin Head ...	29.86	SE	3	o	29.61	+ .25	58	56	+ 4	S	3	pb	1	60	54	0.05													
	Mullaghmore ...	29.84	SE	4	o	29.72	+ .12	57	53	- 2	SE	4	bc	2	66	54	0.05													
	Belmullet ...	29.81	SE	2	o	29.67	+ .14	56	54	- 5	SE	2	o	*	67	55	0.02													
	Donaghadee ...	29.94	S	5	o	29.79	+ .15	59	59	+ 4	SE	4	bc	2	59	54	0.01													
	Barrow-in-Furness	30.01	E	1	o	29.85	+ .16	60	59	+ 2	SE	4	or	*	62	58	0.12													
	Liverpool (Biddon)	30.01	SW	1	o	29.87	+ .14	62	60	- 1	SE	2	o	2	67	58	0.01													
	Holyhead ...	30.00	S	3	o	29.86	+ .14	58	58	- 1	SSW	3	om	2	63	57	0.09													
	Parsonstown ...	29.88	SE	2	o	29.77	+ .11	57	54	- 3	SE	2	bc	*	68	51	0.11													
	Valencia ...	29.84	SE	3	o	29.65	+ .19	60	58	- 3	SE	7	om	6	63	57	0.33													
FRANCE & NETHERLANDS.	Roche's Point...	29.89	S	5	r	29.79	+ .10	60	57	- 3	SW	5	b	4	62	55	0.12													
	Pembroke ...	30.02	S	3	c	29.90	+ .12	56	56	- 3	S	3	md	3	60	56	0.06													
	Scilly ...	30.00	S	5	o	29.92	+ .08	58	58	- 2	SW	5	rf	5	65	56	0.13													
	Prawle Point ...	30.10	SW	2	o	29.99	+ .11	59	59	+ 1	SSW	3	f	3	61	50	0.03													
	Jersey ...	30.14	WNW	2	b	30.03	+ .11	66	61	+ 4	SSW	2	bc	2	70	58	-													
	Hurst Castle ...	30.12	SW	3	c	30.02	+ .10	61	60	+ 1	SW	4	om	1	63	59	-													
	Dungeness ...	30.08	SW	4	o	30.04	+ .04	63	60	+ 2	SW	3	c	1	63	57	-													
	London ...	30.09	WSW	3	o	30.01	+ .08	65	61	+ 4	SSW	3	o	*	66	60	-													
	Oxford ...	30.08	SW	1	o	29.98	+ .10	62	60	- 2	S	3	og	*	64	58	-													
	Cambridge ...	30.07	S	1	b	29.99	+ .08	66	62	+ 3	S	2	o	*	70	56	-													
PENIN- SULA.	Yarmouth ...	30.05	E	1	b	30.00	+ .05	64	60	+ 4	SW	2	bc	2	64	59	-													
	Cuxhaven ...	30.09	N	1	o	30.06	+ .03	60	59	- 5	SW	0	o	*	66	59	-													
	Berlin ...	30.04	N	3	o	30.02	+ .02	68	65	- 6	WSW	1	o	*	86	63	-													
	Wiesbaden ...	*	*	*	*	30.10	+ .08	69	66	+ 5	SW	0	b	*	84	61	-													
	Munich ...	30.16	SW	1	c	30.23	+ .07	68	61	+ 1	SW	2	b	*	82	55	-													
	The Helder ...	30.04	SW	1	b	30.01	+ .03	62	60	- 1	SW	1	f	1	64	61	-													
	Brussels ...	*	*	*	*	30.09	+ .03	62	59	- 6	WSW	1	bc	*	74	57	-													
	Cape Gris Nez...	30.11	WSW	5	o	30.04	+ .07	60	58	- 2	SW	4	o	2	64	55	-													
	Paris ...	30.10	SSW	3	b	30.12	+ .02	63	63	- 6	NE	1	o	*	87	60	-													
	Brest ...	30.15	SW	4	o	30.05	+ .10	61	60	+ 1	S	5	f	4	79	47	-													

WEATHER CHARTS

for 8 a.m. on Sunday, 12th August.

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;
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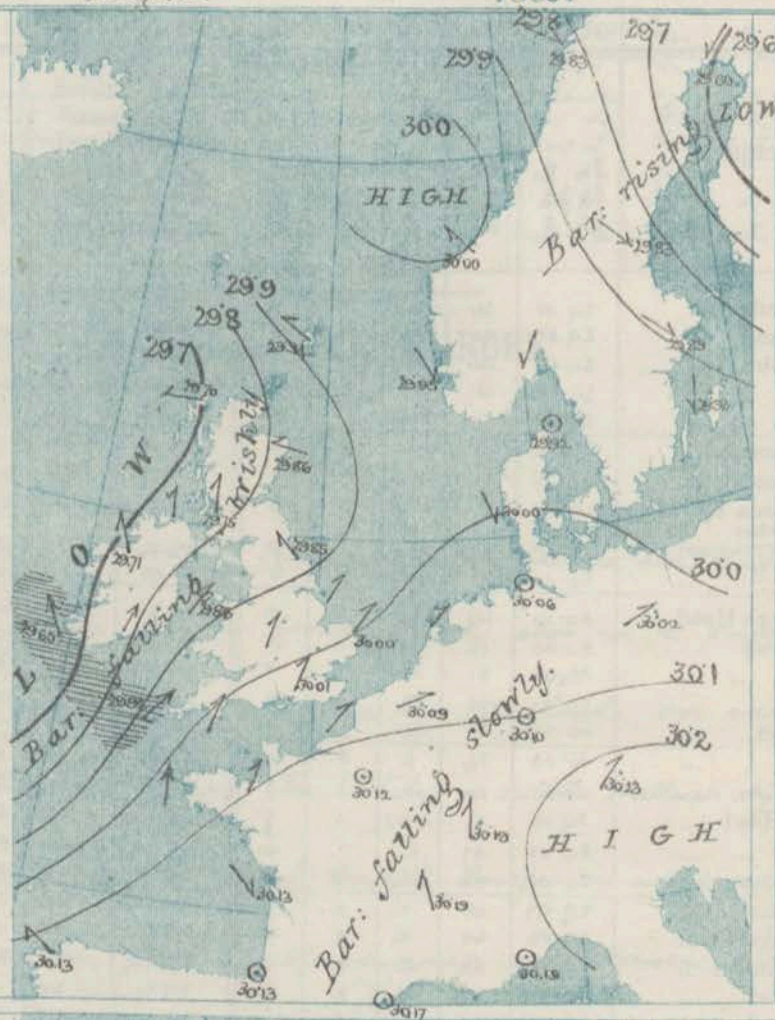
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MEAN HEIGHT of the BAROMETER

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

STATIONS	MEAN READINGS
Sumburgh Head	29.793
Stornoway	29.802
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Donaghadee	29.877
Holyhead	29.904
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Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.931
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Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



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.

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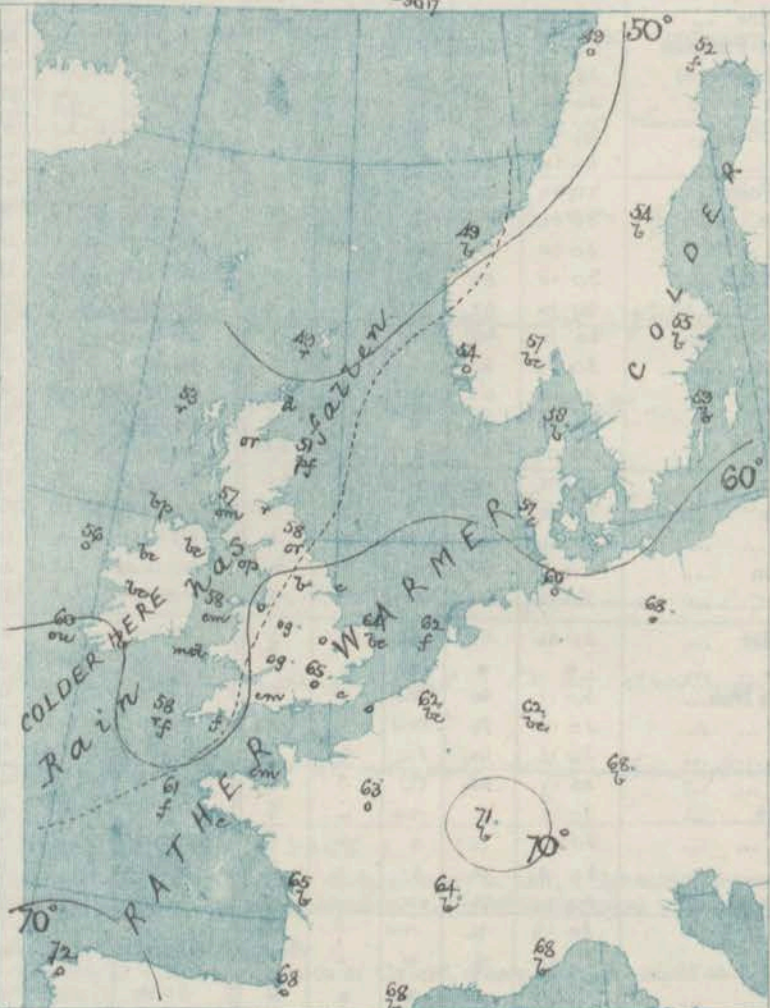
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AND RAINFALL.

for the month of August.

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	Daily Max.	Daily Min.	at 3 a.m.		
			Dry.	Wet.	
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Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	68.5	52.3	57.5	54.9	2.31
York	68.1	51.4	58.0	55.3	2.47
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Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	68.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	68.0	57.4	63.1	60.0	2.26
Hurst Castle	63.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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><i>Highest</i> 30.23 ins. at Munich; 30.20 ins. at Lisbon; 30.00 ins. at Christiansund.</p> <p><i>Lowest</i> 29.6 ins. and less, in a depression lying over Finland; 29.7 ins. and less, in another lying to the westward of our Islands.</p> <p><i>Gradients</i> moderate. Barometer falling at all but the Norwegian stations, quickly in the west and north.</p>
TEMPERATURE	<p><i>Highest</i> 72° at Borunna, 71° at Belfort, 69° at Wiesbaden, and 68° at Berlin, Munich, Biarritz, Perpignan and Nice.</p> <p><i>Lowest</i> 44° at Bodo, Christiansund and Lumburgh Head, 51° at Aberdeen, and 52° at Haparanda and Ulick.</p>
WIND	<p>Light or moderate from S or SW over the south of our Islands and the north of France.</p> <p>Moderate from SE in the north; NW in Sweden; calm in the south of France.</p>
WEATHER	<p>Dull and unsettled in Scotland and the west and north of England, with rain in many places.</p> <p>Fine at our extreme southeastern and many of the Continental stations.</p> <p>Since yesterday morning rain has fallen in the west and north generally.</p>
SEA	<p>Rough at Ulick and Valencia and rather rough at Scilly, but moderate to smooth elsewhere.</p>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now falling quickly at Valencia, while the wind there has increased to a moderate gale from SSE. The low pressure system in the west appears to be growing deeper.

FORECASTS

for the 24 hours ending at NOON on August 13th 1888.

DISTRICTS.

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

FORECASTS.

NONE ISSUED

DISTRICTS.

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

WARNINGS

FORECASTS.

NONE ISSUED

The Scone has been hoisted this morning in districts 0, 1, 6, 9 and 10.

Note.—The South Cone, point downwards (ft) 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 rear towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (ft) 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 rear 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 ...							Holyhead ...	30.04	59	59	SEW 3	m	2
Sumburgh Head ...	30.16	52	48	2 0	bc	0	Valencia ...	29.84	62	61	SE 6	rm	6
Stornoway ...	30.02	52	53	2 3	0	3	Scilly ...	30.04	65	62	S 5	c	4
Aberdeen ...	30.15	51	50	66 2	op	2	Jersey ...	30.15	67	63	SEW 2	b	1
Shields ...	30.09	55	54	ESE 1	0	2	Dungeness ...	30.09	61	59	W 4	0	4
Ardrossan ...	30.02	60	52	NE 3	cm	2	London ...	30.10	66	61	W 2	0	*
Malin Head ...	29.94	58	57	ESA 3	0	2	Yarmouth ...	30.06	62	60	W 1	bc	2
Mullaghmore ...	29.90	65	59	SE 2	0	2	Rochefort ...	30.20	76	72	W 3	c	2
Belmullet ...	29.86	66	61	SE 2	c	*							

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 south Germany, northern Italy and the Gulf of Genoa and Lyons, but relatively high 30.1 ins. and upwards, in another area lying over the northern part of the North Sea. The lowest readings 29.6 ins. and less, were found in a depression lying over Lapland, but a shallow disturbance with readings below 29.9 ins. was also lying off the west of Ireland. The wind was SE^{ly} in the west of our Islands and SW^{ly} over the Channel and the northern parts of France and Germany, but in Sweden and Denmark it was NW^{ly}, while over Spain and the south of France it was chiefly NE^{ly}. The weather was cloudy in most parts of the United Kingdom as well as at several of the Russian stations, but fine elsewhere. Temperature had risen a little over Algeria and central Europe but fallen elsewhere; readings ranged from 70° and upwards, at many of the southern and central stations to 50° or less, in the west of Norway. The highest individual readings were 84° at Bilbao, 80° at Biskra, 78° at Bay-Bearn and Barcelona, 77° at Brindisi, and 75° at Malta; the lowest were 49° at Christiansund, 50° at Porto and Sumburgh Head, 51° at Ulesborg, Wick and Yairn, and 52° at Skudesnaes, Stornoway and Aberdeen.

In the course of the day the barometer fell in all parts of our Islands, but no important change was observed 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, 13th August* 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.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Direc.	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.	Direc.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.67	54	MMW	2	b	29.82		57	56			NE	4	0	*	56	41	
	Hernösand ...	29.86	54	MMW	2	b	29.88		56	51			NE	0	0	*	64	48	
	Stockholm ...	29.89	58	W	0	b	29.88		62	61			E	2	0	*	68	46	
	Wisby ...	29.96	55	SW	2	b	29.88		61	58			S	2	0	*	68	54	
	Bodö ...	29.92	51	WSW	2	c	29.84	- 29	50	49	+ 1		NE	2	0	1	52	46	
	Christiansund...	29.88	51	NE	5	b	29.62	- 88	53	50	+ 6		E	3	0	2	59	46	
	Skudesnaes ...	29.84	52	SE	7	r	29.48	- 49	58	54	+ 4		SE	8	0	1	63	54	0.08
	Christiania Fjord (Færd)	29.85	60	SE	1	o	29.72	- 22	59	56	+ 2		E	5	0	1	63	54	
	Skagen (The Scaw)	29.88	59	W	0	b	29.71	- 21	59	57	+ 1		SSW	1	0	1	68	57	
	Fanø ...	29.85	57	WSW	2	c	29.69	- 81	62	61	+ 5		S	4	0	*	63	55	
BRITISH ISLANDS.	Sumburgh Head	29.71	50	SE	4	r	29.44	- 50	54	54	+ 5		E	1	0	1	54	47	0.71
	Stornoway ..	29.84	57	S	2	o	29.41	- 29	53	52	0		W	0	0	2	57	50	0.23
	Wick ...	29.57	53	SE	3	b	29.35	- 44	53	53	+ 1		W	4	0	1	54	50	0.20
	Nairn ...	29.53	64	W	1	c	29.38	- 39	56	53	+ 4		W	0	0	1	72	49	0.08
	Aberdeen...	29.62	55	S	2	c	29.37	- 49	55	53	+ 4		NE	3	0	2	57	51	0.02
	Leith ...	29.61	65	W	3	b	29.39	- 42	54	54	- 4		W	2	0	*	70	53	0.34
	Shields ...	29.63	61	SW	3	o	29.41	- 44	57	56	- 1		WSW	5	0	2	65	55	0.22
	Spurn Head ...	29.75	65	SSW	4	b	29.58	- 36	60	56	- 1		SW	6	0	2	69	55	
	York ...	29.71	66	S	1	o	29.57	- 33	56	53	- 8		W	5	0	*	69	55	0.10
	Loughborough	29.76	67	SSW	4	o	29.69	- 29	60	59	- 1		WSW	5	0	*	70	56	0.01
GERMANY.	Ardrossan ...	29.58	68	SE	2	r	29.48	- 29	56	54	- 1		W	5	0	4	61	54	0.12
	Malin Head ...	29.50	56	SE	3	op	29.62	- 09	52	50	- 6		NE	4	0	6	64	51	0.28
	Mullaghmore ...	29.45	58	E	1	r	29.76	+ 04	53	52	- 4		NE	7	0	5	63	52	1.24
	Belmullet ...	29.49	58	MMW	1	r	29.88	+ 21	54	49	- 2		MMW	6	0	*	64	52	0.29
	Donaghadee ...	29.86	58	WSW	4	r	29.60	- 19	56	54	- 3		W	3	0	2	66	55	0.13
	Barrow-in-Furness	29.69	60	S	4	b	29.56	- 29	55	53	- 5		SW	3	0	*	61	54	0.38
	Liverpool (Bidston)	29.70	66	SW	3	b	29.64	- 23	53	51	- 9		WSW	7	0	4	66	53	0.05
	Holyhead ...	29.69	59	SSW	5	cm	29.68	- 18	54	52	- 4		WSW	6	0	6	68	53	0.06
	Parsonstown ...	29.46	60	SW	2	r	29.84	+ 07	55	51	- 2		MMW	3	0	*	63	52	0.09
	Valencia ...	29.68	60	W	5	cm	29.99	+ 34	58	53	- 2		NE	4	0	5	62	53	0.15
FRANCE & NETHERLANDS.	Roche's Point...	29.62	61	WSW	5	c	29.90	+ 11	58	52	- 2		MMW	5	0	4	62	53	0.15
	Pembroke ...	29.71	59	SSW	5	c	29.86	- 04	56	54	0		W	5	0	5	61	55	0.03
	Scilly ...	29.86	61	SW	5	o	29.99	+ 07	59	54	+ 1		MMW	5	0	5	64	55	0.02
	Prawle Point ...	29.90	58	SSW	7	c	29.95	- 04	59	56	0		W	6	0	5	61	49	0.02
	Jersey ...	29.96	68	WSW	4	b	30.02	- 01	62	59	- 4		WSW	5	0	4	72	58	
	Hurst Castle ...	29.88	61	SW	5	r	29.90	- 12	61	60	0		W	7	0	3	66	58	0.05
	Dungeness ...	29.92	65	WSW	2	b	29.85	- 19	62	59	- 1		WSW	6	0	5	67	58	
	London ...	29.88	65	S	4	o	29.83	- 18	62	57	- 3		WSW	4	0	*	73	56	
	Oxford ...	29.83	57	W	3	c	29.81	- 17	60	55	- 2		SW	5	0	*	66	56	0.01
	Cambridge ...	29.85	66	S	2	c	29.74	- 25	61	56	- 5		SW	3	0	*	70	54	
PENINSULA.	Yarmouth ...	29.86	67	S	4	b	29.73	- 27	63	58	- 1		SW	5	0	4	69	55	
	Cuxhaven ...	30.01	62	SW	1	o	29.76	- 30	65	64	+ 5		SW	3	0	*	67	59	
	Berlin ...	30.01	68	NE	2	b	29.97	- 05	67	63	- 1		SE	1	0	*	75	63	
	Wiesbaden ...	*	*	*	*	*	30.02	- 08	71	66	+ 2		W	4	0	*	84	61	
	Munich ...	30.14	70	W	0	b	30.15	- 08	72	62	+ 4		SW	4	0	*	82	59	
	The Helder ...	29.89	62	S	7	k	29.78	- 23	61	58	- 1		SW	7	0	4	66	59	
	Brussels ...	*	*	*	*	*	29.97	- 12	60	57	- 2		SW	4	0	*	76	59	0.24
	Cape Gris Nez...	29.93	64	SW	3	c	29.89	- 15	59	58	- 1		WSW	8	0	6	73	57	
	Paris ...	29.95	78	SW	3	b	30.08	- 04	63	59	0		W	3	0	*	85	53	
	Brest ...	30.12	65	WSW	5	c	30.08	+ 03	59	58	- 2		SW	4	0	4	77	46	0.20
FRANCE & NETHERLANDS.	Borient ...	30.05	63	MMW	5	b	30.17	+ 09	61	57	- 4		W	5	0	4	70	61	
	Roche fort ...	30.15	69	MMW	3	b	30.19	+ 06	65	63	0		MMW	3	0	2	72	61	
	Belfort ...	30.17	61	N	1	b	30.15	- 04	70	65	- 1		NE	1	0	*	87	49	
	Lyons ...	30.04	76	S	3	b	30.15	- 04	66	62	+ 2		N	1	0	*	84	66	
	Nice ...	30.13	73	SW	1	b	30.13	- 06	67	61	- 1		W	0	0	*	81	61	
	Perpignan ...	30.09	71	SE	4	b	30.14	- 03	68	66	0		W	0	0	*	78	59	
	Biarritz ...	30.13	70	WSW	3	a	30.16	+ 03	68	64	0		W	0	0	*	73	63	
	Corunna ...	*	*	*	*	*													
	Lisbon ...	30.10	72	NE	5		30.08	- 12	66	60	- 3		N	4	0	2	82	63	

WEATHER CHARTS

for 8 a.m. on Monday, 13th August.

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

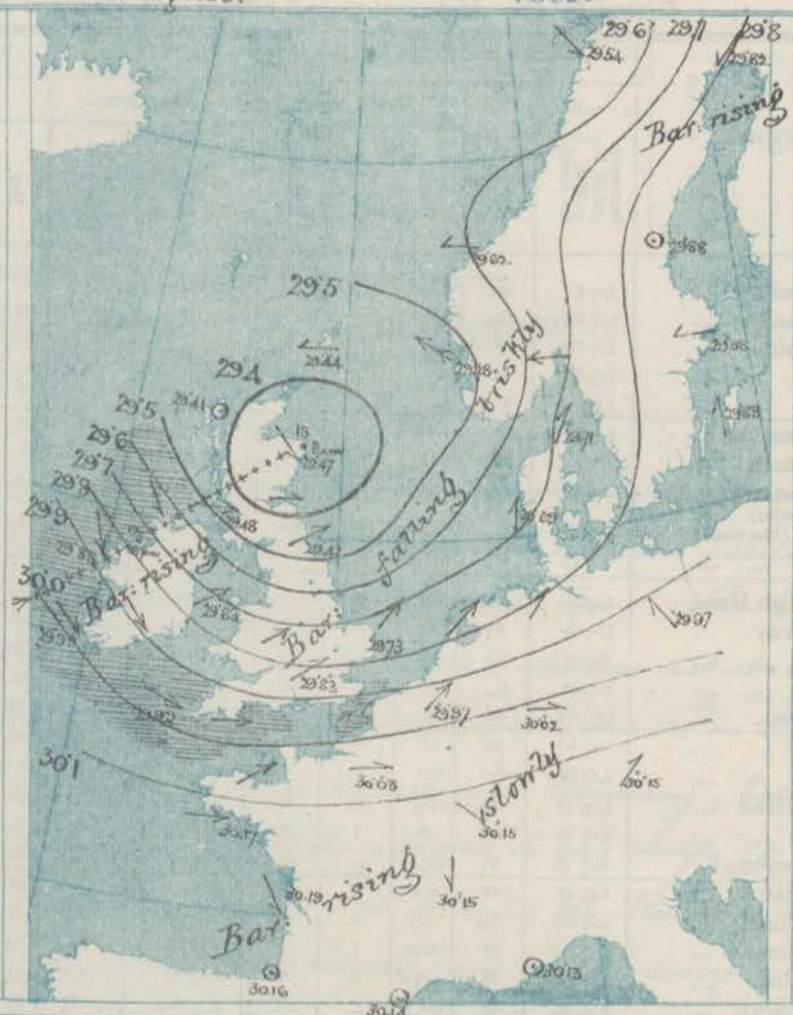
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 — = forces above 10; — = forces 8 to 10;
 — = forces 5 to 7; — = forces 1 to 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 August
 During the 15 Years 1871 — 1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.930
Donaghadee	29.977
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.980
Dover	29.980
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



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.

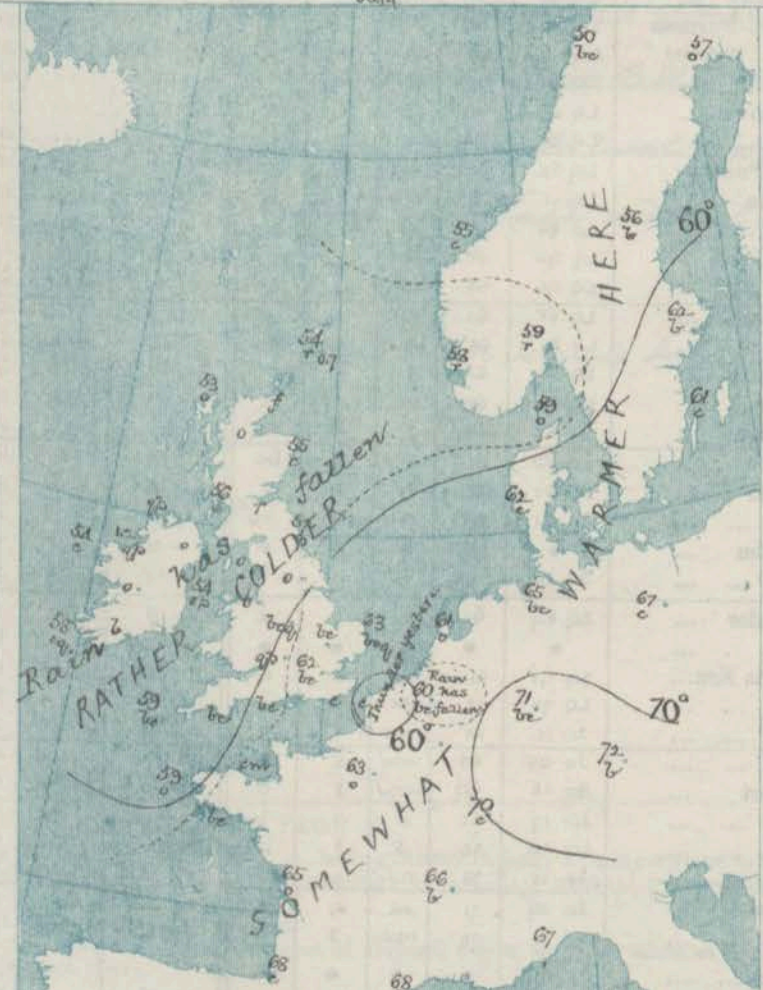
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of August

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
			Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.67
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.8	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.18
Leith	65.8	51.4	57.6	54.8	2.62
Shields	63.6	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	58.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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, 30.1 in. and upward, over the Bay of Biscay, the southern part of France and Germany and the north of Spain. Lowest, 29.4 in. and less, in a depression lying over the northeast of Scotland. Gradients rather steep over Ireland, England and the North Sea. Barometer falling briskly on the eastern shores of the North Sea, but rising again over the western parts of the United Kingdom.
TEMPERATURE	Highest, 72° at Munich, 71° at Wiesbaden, 70° at Belfort, 68° at Biarritz and Perpignan and 67° at Berlin and Thion. Lowest, 50° at Bodo, 52° at Malin Head and 53° at Stornoway, Wick, Mullaghmore and Liverpool.
WIND	NW in Ireland and Scotland, W or SW over England the Netherlands and the north of France. S in Denmark; E in Norway; Calm in the south of France. In force it is fresh to strong on most of the Irish and English coasts.
WEATHER	Cloudy and showery over the northern part of our islands, as well as on the eastern shores of the North Sea. Fair or fine in most other localities. Rain fell yesterday in most part of the United Kingdom, the largest amounts being 1.2 in at Mullaghmore & 0.7 in at Limerick Head.
SEA	Rough or rather so on all the more exposed parts of our west and south coasts, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the northeast of Scotland will probably continue to travel away in a northeasterly direction and the wind on the Scotch coasts is likely to increase in force from the NW.

There are at present no indication of the advance of any new disturbance, but the wind on our west coasts will probably back to the W or SW in the course of the ensuing 24 hours.

FORECASTS

for the 24 hours ending at NOON on 14th AUGUST 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND	NW ³ winds, freshening; fair generally, but some showers.	0 SCOTLAND	N ³ to NW ³ winds, strong; perhaps a gale; squally, showery.
1 NORTH		1 WEST	
2 SCOTLAND	SW ³ to N ³ winds, fresh; changeable, some showers.	2 ENGLAND	N ³ winds strong to SW ³ moderate; changeable, some showers.
3 EAST		3 N.W.	
4 ENGLAND	N ³ winds, strong to moderate; fair generally, but local showers.	4 ENGLAND	IRELAND
5 N.E.		5 S.W.	
6 ENGLAND		6 NORTH	NW ³ to SW ³ winds; fair to unsettled and some rain.
7 EAST		7 SOUTH	
8 MIDLAND COUNTRIES			
9 ENGLAND			
10 SOUTH			

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 ...	29.89	52	52	2. 0	0	3	Holyhead ...	29.77	62	59	SSW 5	6	4
Sumburgh Head ...							Valencia ...						
Stornoway ...	29.60	55	55	5 2	7	3	Scilly ...						
Aberdeen ...							Jersey ...	29.99	70	68	SSW 3	0	3
Shields ...							Dungeness ...	29.97	64	62	SW 1	60	1
Ardrossan ...							London ...						*
Malin Head ...	29.60	61	56	SSW 4	0	2	Yarmouth ...						
Mullaghmore ...							Rochefort ...	30.16	69	66	WNW 5	0	2
Belmullet ...	29.33	63	68	SSW 2	0	*							

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 situated over south Germany a large area in which readings exceeded 30.1 ins. covered the whole of the south of Europe and the Mediterranean. The lowest readings 29.5 ins. and less, were reported in a depression lying over central Russia, but to the west of our Islands there was another area of low pressure with readings below 29.7 ins. The wind was S. by E. in our Islands and NW. by over Sweden and the greater part of Russia, but over central and southern Europe light variable airs were reported. The weather was dull and unsettled in the west and northern parts of the United Kingdom, and also in Russia, but fine elsewhere. Temperature had changed rather irregularly and readings ranged from 78° and upwards, at several of the Spanish, Italian and Algerian stations to 50° and less, in the Shetlands and west of Norway. The highest individual readings were 81° at Biskra, 80° at Barcelona, 78° at La Halle, 77° at Toulon, 76° at Brindisi, Cagliari and Palermo; the lowest were 49° at Bodo, Christiansund and Sumburgh Head, 50° at Uleaborg and Kuopio, 51° at Aberdeen, and 52° at Moscow, Naparanda and Ushk. In the course of the day the centre of a rather deep depression advanced from the south-westward to the north of Ireland and the barometer fell quickly in our Islands, while the wind on our west and south coasts freshened from S and SW with rain.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLAND AND THEIR NEIGHBOURHOOD FROM THE 5TH TO THE 11TH AUGUST 1888.

The weather of the past week was finer and drier than for a long time past, and over England temperature rose to a high level for the time of year.

At the commencement of the time an anticyclone lay over Spain, while a large area of low pressure was reported over the eastern shores of the North Sea. The winds in our Islands were strong from the N. or NW. and the weather cool and showery.

On the 6th however, the anticyclone moved northwards to the Bay of Biscay and west of France, while the low pressure system dispersed. Shallow depressions however began to skirt our northwest and north coasts and the wind backed to the SW. with a continuance of showery weather in the west and north but a gradual improvement in the southeast.

Later on the central portion of the high pressure area moved eastwards to Germany. Its NW. edge extended however, to our southeast districts and fine warm weather set in over England. In the west conditions were affected by some shallow depressions which appeared off our southwest coasts, and the weather there was dull and misty.

On the 10th a second area of high pressure appeared over our northern districts and the cool cloudy weather which had previously been confined to the more northern parts of the country spread gradually southwards. Shallow depressions were formed between the two high pressure systems and rain set in in several places but the falls were neither general nor heavy. At the close of the week the shallow disturbances were filling up but new systems of greater size and depth were approaching from the Atlantic.

Temperature was at first low generally but it afterwards rose quickly over England, and on the 9th and 10th maxima exceeding 80° were registered over our midland and southeast 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. 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, 14th August 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R. M. SCOTT, Secretary.

ISSUED BY THE METEOROLOGICAL OFFICE, NO. NEWCASTLE STREET, LONDON, E.C.4, 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 ..	29.80	51	NNE	2	0	29.78	- .04	54	53	- 3	NNE	4	7	*	61	43	
	Hernösand ...	29.80	52	SE	0	0	29.65	- .23	54	53	- 2	NNE	6	0	*	64	45	
	Stockholm ...	29.72	57	SE	2	0	29.57	- .31	61	58	- 1	SW	2	0	*	66	46	0.12
	Wisby ...	29.77	59	SSW	2	7	29.69	- .19	60	57	- 1	W	6	0	*	70	54	
	Bodö ...	29.73	56	ENE	2	0	29.67	+ .13	59	53	+ 9	ENE	4	6	2	?	46	
	Christiansund...	29.44	59	ESE	3	0	29.39	- .23	58	54	+ 3	SE	0	6	0	64	54	
	Skudesnaes ...	29.40	56	ESE	4	0	29.49	+ .01	53	52	- 5	WSW	6	7	4	59	?	0.35
	Christiania Fjord (Færder)	29.54	59	SSE	4	7	29.42	- .30	57	54	- 2	WSW	7	60	5	61	57	0.32
	Skagen (The Scaw)	29.56	59	SW	6	0	29.56	- .15	55	53	- 4	W	5	0	4	64	52	0.35
	Fanö ...	29.75	58	W	6	0	29.80	+ .11	54	52	- 8	W	6	60	*	64	54	0.04
	Sumburgh Head	29.45	50	NW	2	7	29.60	+ .16	47	47	- 7	NW	6	7	6	55	46	0.23
	Stornoway ..	29.72	49	NW	6	7	29.97	+ .56	50	48	- 3	NW	2	0	3	54	45	0.15
	Wick ...	29.54	49	N	6	0	29.89	+ .64	48	47	- 5	N	6	0	4	55	45	0.10
	Nairn ...	29.66	52	NW	2	0	29.93	+ .55	51	49	- 5	W	4	60	4	60	47	0.09
	Aberdeen...	29.59	52	NW	5	0.94	29.93	+ .56	50	45	- 5	W	6	60	3	63	48	0.01
	Leith ...	29.70	53	W	3	7	30.00	+ .61	53	48	- 1	W	3	6	*	64	45	
	Shields ...	29.65	58	W	7	0	30.06	+ .65	55	49	- 2	W	4	60	2	64	45	
	Spurn Head ...	29.80	59	W	6	60	30.08	+ .50	54	50	- 6	W	5	6	3	62	49	0.01
	York ...	29.81	58	W	5	6	30.10	+ .53	54	49	- 2	W	4	6	*	63	46	
	Loughborough	29.92	58	W	4	0	30.17	+ .48	56	52	- 4	NW	3	60	*	64	46	
	Ardrossan ...	29.79	56	NW	7	0	30.09	+ .61	56	52	0	NW	3	6	2	58	50	0.02
	Malin Head ...	29.90	54	NW	5	60	30.09	+ .47	54	51	+ 2	S	2	0	2	55	52	
	Mullaghmore ...	30.00	56	NW	6	60	30.13	+ .39	55	52	+ 2	SSW	2	0	2	59	50	0.18
	Belmullet ...	30.05	57	NW	4	6	30.15	+ .27	57	53	+ 3	W	2	6	*	63	49	
	Donaghadee ...	29.92	55	NW	5	6	30.14	+ .54	57	54	+ 1	WSW	4	60	2	59	48	0.01
	Barrow-in-Far-	29.85	55	W	7	6	30.12	+ .56	53	50	- 2	NW	4	0	*	59	51	
	ness (Bldston)	29.91	58	W	6	60	30.16	+ .52	56	51	+ 3	W	3	60	3	60	52	0.06
	Holyhead ...	29.97	56	NW	4	60	30.18	+ .50	61	57	+ 7	W	1	60	2	62	49	
	Parsonstown ...	30.04	60	NW	3	60	30.17	+ .33	52	50	- 3	SE	1	0	*	62	43	
	Valencia ...	30.13	62	NW	2	6	30.20	+ .21	58	55	0	SSE	1	0	2	64	48	
	Roche's Point...	30.08	62	NW	4	6	30.20	+ .30	55	52	- 3	N	1	6	3	64	46	
	Pembroke ...	30.04	59	W	4	60	30.21	+ .35	57	55	+ 1	SE	1	6	1	61	50	
	Scilly ...	30.09	60	NW	2	6	30.19	+ .20	61	56	+ 2	E	1	6	3	63	52	
	Prawle Point ...	30.07	59	W	3	6	30.23	+ .28	60	55	+ 1	E	2	6	1	62	48	
	Jersey ...	30.11	63	NW	4	60	30.22	+ .30	65	59	+ 3	NW	1	60	1	65	51	
	Hurst Castle ...	30.03	63	NW	4	6	30.23	+ .33	60	56	- 1	NW	1	6	0	67	50	
	Dungeness ...	29.95	61	W	5	6	30.19	+ .34	58	53	- 4	NW	2	60	1	65	44	
	London ...	29.98	62	W	4	60	30.21	+ .38	55	51	- 7	NW	2	60	*	69	46	
	Oxford ...	30.04	56	WSW	3	6	30.21	+ .40	56	51	- 4	NW	2	6	*	65	45	
	Cambridge ...	29.95	62	WSW	1	60	30.18	+ .44	56	52	- 5	W	1	6	*	69	43	
	Yarmouth ...	29.87	63	W	4	60	30.10	+ .37	54	49	- 9	NW	3	6	2	68	46	
	Cuxhaven ...	29.87	59	WSW	5	0	29.98	+ .22	59	56	- 6	WSW	5	0	*	75	5	
	Berlin ...	29.93	70	NW	3	0	30.04	+ .07	64	57	- 3	NW	4	0	*	79	59	
	Wiesbaden ...	*	*	*	*	*	30.17	+ .15	64	58	- 7	SW	2	0	*	81	54	
	Munich ...	30.10	70	SE	0	60	30.25	+ .10	68	63	- 4	NE	1	0	*	82	68	
	The Helder ...	29.88	62	SW	4	60	30.06	+ .28	57	51	- 4	W	4	0	3	64	55	
	Brussels ...	*	*	*	*	*	30.19	+ .22	58	54	- 2	W	3	60	*	70	53	
	Cape Gris Nez...	30.04	59	WSW	7	7	30.17	+ .28	57	54	- 2	N	3	6	4	63	64	
	Paris ...	30.09	69	NW	1	6	30.22	+ .14	59	54	- 4	NNE	3	6	*	76	61	
	Brest ...	30.17	61	NW	1	0	30.23	+ .15	56	54	- 3	E	3	60	2	77	46	
	Lorient ...	30.14	64	NW	3	60	30.18	+ .01	57	55	- 4	E	4	0	2	66	65	
	Rochefort ...	30.19	73	SW	4	6	30.17	+ .02	64	61	- 1	ENE	4	0	2	75	57	
	Belfort ...	30.14	73	NW	1	6	30.21	+ .06	70	66	0	NW	1	6	*	80	69	
	Lyons ...	30.07	78	ENE	1	6	30.17	+ .02	70	63	+ 4	SE	0	6	*	83	62	
	Nice ...	30.08	71	SW	3	6	30.13	- .00	68	64	+ 1	E	1	6	0	84	61	
	Perpignan ...	30.09	74	NE	1	6	30.15	+ .01	69	66	+ 1	NE	3	0	*	81	63	
	Biarritz ...	30.05	71	NNE	7	6	30.11	- .05	69	67	+ 1	W	7	0	2	81	66	
	Corunna ...	*	*	*	*	*												
	Lisbon ...	30.02	72	NW	4	6	30.07	- .01	64	61	- 2	W	4	6	?	84	64	
PENIN-SULA.																		

WEATHER CHARTS

for 8 a.m. on Tuesday, 14th August:

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.

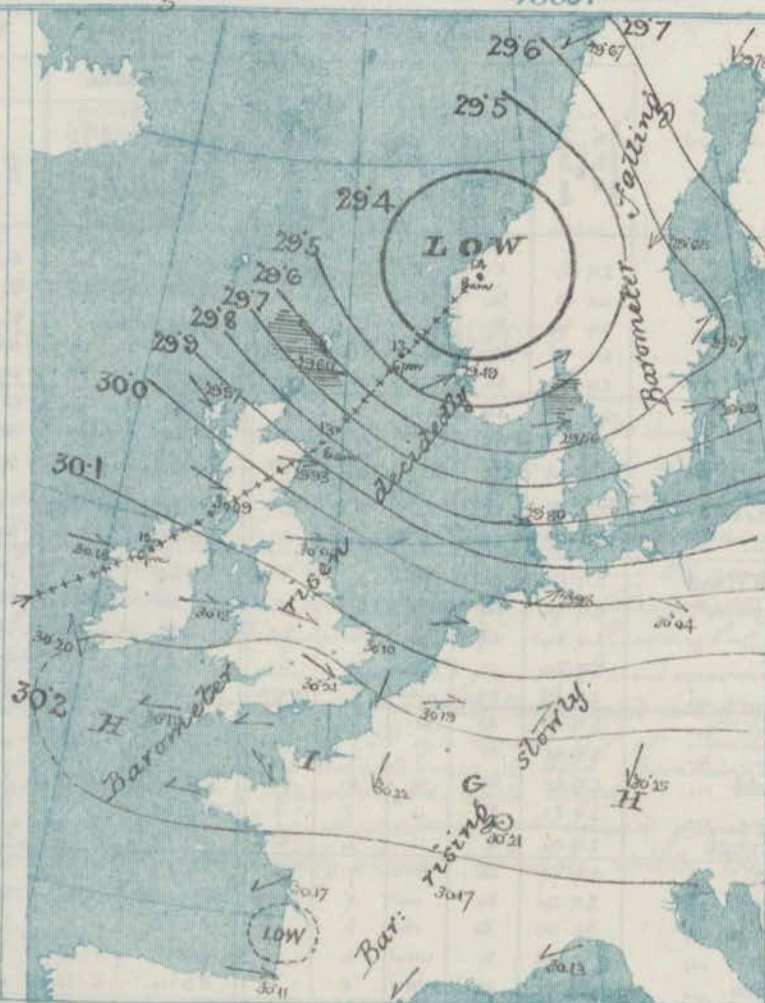
Sea Disturbance — where considerable is shown thus.

■ = Rough; ■ = High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.926
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



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 August

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min	at 8 a.m. Dry	at 8 a.m. Wet	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.8	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.0	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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 30.2 ins. and upwards in a large anticyclonic band extending from the southwest coast of our Islands to South Germany. Lowest 29.4 ins. and less, in a well marked depression lying over the south of Norway. Barometer rising at all but the Scandinavian stations.
TEMPERATURE	Highest 70° at Belfast and Lyons, 69° at Biarritz and Reims, 68° at Munich and Nice, and 65° at Jersey. Lowest 47° at Lumburgh Head, 48° at Wick, 50° at Hornoway and Alversen, 51° at Hain, and 53° at Skudesnaes, Leth and Barrow in Farness.
WIND	Strong from NW in the north of Scotland and from W over the North Sea, Denmark, Baltic, and of Scandinavia. Light from SW in the north of Ireland, and from E or NE in the west and south of France. At Biarritz however, there is a moderate gale from the W.
WEATHER	Fine generally but rainy at Hydrundes, Skudesnaes and Lumburgh Head. A thunder storm is in progress at Rochefort, and lightning is reported at Biarritz. A little rain fell yesterday at our northern and some of our northwestern stations.
SEA	Rough at Lumburgh Head and rather rough at Faerder, but moderate to smooth elsewhere.



PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over our southern district, appears to be increasing both in size and height, and fine weather is therefore probable in most parts of the Kingdom. The small depression over the southwest of France is likely either to move eastwards or to disperse.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW ³ winds, moderating; fair generally, but local showers.	6 SCOTLAND WEST	Same as N ^{os} 1 and 2.
1 SCOTLAND EAST	W ³ winds, moderate; fair generally.	7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	NE ⁴ winds, light or moderate; fair generally.
3 ENGLAND EAST	NW ³ to N ⁴ winds, light, fine, warmer.	9 IRELAND NORTH	SW ³ and W ⁴ winds, light; fair generally.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	light variable breezes; fair generally.
5 ENGLAND SOUTH	NW ³ to NE ⁴ winds, light; fine, warmer.	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.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	29.44	57	55	W 6	7	4	Holyhead ...	29.89	59	55	WNW 5	bcy	5
Sumburgh Head ...	29.43	53	52	E 1	0	5	Valencia ...	30.08	64	57	WNW 3	bc m	3
Stornoway ...	29.62	50	49	N 6	7	5	Sally ...	30.08	61	56	WNW 2	c	4
Aberdeen ...	29.47	54	54	WNW 14	0	2	Jersey ...	30.09	65	60	W 5	bc	4
Shields ...	29.57	63	56	WSW 6	0	2	Dungeness ...	29.93	65	60	WSW 6	bc	5
Ardrossan ...	29.67	56	53	WNW 7	c p	5	London ...	29.92	69	58	W 5	bc	*
Malin Head ...	29.51	54	49	W 6	bc	6	Yarmouth ...	29.81	67	58	WNW 5	bcy	4
Mullaghmore ...	29.94	58	52	W 7	bcy	5	Rochefort ...	30.19	73	66	W 4	b	2
Belmullet ...	30.00	57	52	WNW 5	b	*							

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

The reports for yesterday morning showed that pressure was highest 30.1 ins. and upwards, in a large anticyclone covering the greater part of southern Europe, and lowest 29.4 ins. and less, in a well defined ^{and rather} deep depression lying off the northeast of Scotland. A shallow area of low pressure with readings below 29.6 ins. was also reported over the north of Russia. The wind was NW. in Ireland and Scotland as well as over the Gulf of Finland, but SW. over England, the North Sea and the north of France, and SE. or E. in Norway. Over southern Europe however, it was very light and variable. The weather was cloudy and showery over the north of our Islands, the eastern shores of the North Sea and in some parts of Russia, but fair or fine elsewhere. Temperature had risen a little over Scandinavia, northern Russia, Denmark, the Netherlands and the central parts of France, but fallen elsewhere, readings ranged from 80° and upwards, over central Algeria and 70° and upwards, over southern Europe generally to 53° or less, in the northern parts of Scotland and Norway. The highest individual readings were 83° at Biskra, 78° at Barcelona, 77° at Brindisi, 76° at La Oalle, and 74° at Annale; the lowest were 50° at Bodo, 52° at Malin Head, 53° at Stornoway, Wick, Mullaghmore and Liverpool, and 54° at Kuopio, St Petersburg, Sumburgh H. Leith and Holyhead.

In the course of the day the depression off the northeast of Scotland travelled steadily northeastwards and the barometer rose at all but our extreme northern stations. Some improvement in the weather took place in the north, but the wind freshened to a strong breeze from the NW.

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. (Christianis time).

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

DAILY WEATHER REPORT.

for WEDNESDAY 15TH AUGUST

1888.

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

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STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 5 ³⁰ P. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Reading at 5 ³⁰ P. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.		WIND.		Weather.	Sea. (0 to 9.)	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 ..	29.69	52	NNE	2	bc	29.68	-1.10	51	50	-2	NE	4	0	*	61	41	—		
Hernösand ...	29.54	53	NE	6	bc	29.62	-1.08	53	52	-1	NE	4	0	*	53	46	0.59		
Stockholm ...	29.58	58	SE	0	0	29.53	-1.04	57	55	-4	SE	0	0	*	64	52	0.28		
Visby ...	29.69	57	W	8	bc	29.62	-1.07	56	54	-4	W	6	0	*	66	52	0.08		
Bodö ...	29.68	59	E	2	c	29.74	+1.07	59	58	0	E	2	0	1	68	48	—		
Christiansund...	29.55	56	SW	4	bc	29.76	+1.37	53	52	-5	SW	2	0	2	61	50	—		
Skudesnaes ...	29.70	53	W	6	c	29.80	+1.31	55	54	+2	WNW	4	0	3	55	53	—		
Christiania Fjord (Færdar)	29.48	60	WNW	7	c	29.56	+1.24	60	55	+3	W	2	0	4	61	?	—		
Skagen (The Scaw)	29.61	55	W	9	0	29.71	+1.15	56	53	+1	WNW	8	bc	6	59	52	—		
Fanö ...	29.98	53	W	8	c	29.99	+1.19	55	51	+1	W	8	c	*	61	52	—		
BRITISH ISLANDS.																			
Sumburgh Head	29.83	49	NW	5	0	30.03	+1.43	48	46	+1	N	4	0	5	50	45	0.04		
Stornoway ...	30.07	53	NW	2	c	30.18	+1.21	51	48	+1	SE	0	bc	2	56	43	0.02		
Wick ...	30.02	49	NW	5	0	30.16	+1.27	49	47	+1	NW	3	0	2	53	41	—		
Nairn ...	30.06	53	NNE	2	c	30.17	+1.24	50	48	-1	SE	0	bc	1	58	43	—		
Aberdeen...	30.06	53	WNW	4	bc	30.18	+1.25	50	46	0	NW	2	c	1	60	41	—		
Leith ...	30.08	60	W	3	c	30.15	+1.15	56	52	+3	SE	0	bc	*	66	49	—		
Shields ...	30.12	63	W	3	c	30.17	+1.11	57	54	+2	NE	2	c	2	64	48	—		
Spurn Head ...	30.15	58	E	2	c	30.16	+1.08	57	53	+3	N	2	bc	3	63	50	—		
York ...	30.15	62	W	2	c	30.17	+1.07	58	50	-1	W	1	c	*	66	44	—		
Loughborough	30.18	64	W	1	c	30.17	0.0	51	50	-5	W	1	bc	*	68	38	—		
GERMANY.																			
Ardrossan ...	30.12	58	WNW	3	c	30.16	+1.07	56	54	0	WNW	3	bc	2	60	50	—		
Malin Head ...	30.14	57	W	2	bc	30.19	+1.10	57	54	+3	NE	1	bc	1	61	50	—		
Mullaghmore ...	30.16	58	WNW	2	c	30.16	+1.03	57	54	+2	ENE	2	bc	1	62	47	—		
Belmullet ...	30.17	60	W	2	c	30.16	+1.01	58	54	+1	ENE	1	bc	*	64	49	—		
Donaghadee ...	30.15	53	SE	1	c	30.19	+1.05	57	55	0	NNE	3	bc	1	63	45	—		
FRANCE & NETHERLANDS.																			
Barrow-in-Furness	30.17	58	SW	2	c	30.16	+1.04	55	53	+2	NW	2	bc	*	60	52	—		
Liverpool (Bidston)	30.19	61	SW	1	c	30.16	0.0	56	51	0	SE	1	bc	2	63	49	—		
Holyhead ...	30.18	57	SW	3	c	30.15	-1.03	62	58	+1	SE	0	bc	0	64	49	—		
Parsonstown ...	30.16	62	SE	0	0	30.14	-1.03	57	54	+5	SE	0	bc	*	68	51	—		
Valencia ...	30.18	61	ENE	2	c	30.12	-1.08	61	53	+3	SE	0	bc	1	65	45	—		
Roche's Point...	30.20	63	SE	1	c	30.13	-1.07	55	53	0	N	2	bc	2	65	48	—		
Pembroke ...	30.18	59	WNW	1	c	30.12	-1.09	54	51	-3	ENE	2	bc	1	64	52	—		
Scilly ...	30.14	60	ENE	2	c	30.04	-1.10	58	54	-3	ENE	4	bc	1	63	?	0.02		
Prawle Point ...	30.17	57	ENE	2	c	30.03	-1.20	57	54	-3	ENE	7	bc	4	63	52	0.03		
Jersey ...	30.15	64	ENE	2	bc	29.95	-1.27	59	57	-6	NE	5	bc	4	69	57	0.10		
NETHERLANDS.																			
Hurst Castle ...	30.18	63	WNW	1	c	30.08	-1.15	57	55	-3	ENE	2	bc	1	64	53	—		
Dungeness ...	30.18	60	WNW	1	c	30.07	-1.12	56	52	-2	ENE	4	bc	2	65	53	—		
London ...	30.18	65	WNW	2	c	30.12	-1.09	55	51	0	SE	0	bc	*	70	48	—		
Oxford ...	30.19	54	NW	1	c	30.14	-1.07	58	48	-6	NW	1	bc	*	68	44	—		
Cambridge ...	30.20	60	SE	0	c	30.14	-1.04	55	53	-1	NE	1	c	*	68	40	—		
FRANCE.																			
Yarmouth ...	30.18	61	E	2	c	30.14	+1.04	57	55	+3	SE	0	bc	2	64	48	—		
Cuxhaven ...	30.13	57	WNW	5	0	30.13	+1.15	59	56	0	WNW	4	bc	*	61	55	—		
Berlin ...	30.11	63	WNW	3	c	30.15	+1.11	55	50	-9	WNW	3	bc	*	68	50	—		
Wiesbaden ...	*	*	*	*	*	30.13	-1.04	60	54	-4	W	2	bc	*	73	52	—		
Munich ...	30.23	67	NW	1	bc	30.14	-1.11	66	62	-2	E	3	bc	*	79	57	—		
FRANCE.																			
The Helder ...	30.13	57	WNW	3	c	30.15	+1.09	57	54	0	SE	1	bc	1	59	50	—		
Brussels ...	*	*	*	*	*	30.05	-1.14	58	51	-5	ENE	1	bc	0	67	50	—		
Cape Gris Nez...	30.13	60	N	1	c	30.10	-1.07	52	49	-5	SE	3	bc	1	64	46	—		
Paris ...	30.13	69	NNE	3	c	30.01	-1.21	57	57	0	NE	3	bc	*	72	57	—		
Brest ...	30.12	64	NNE	4	0	29.98	-1.25	56	54	0	WNW	1	bc	2	77	46	0.20		
Lorient ...	30.05	68	ENE	3	0	29.90	-1.28	60	60	+3	WNW	4	bc	4	70	57	0.98		
Rochefort ...	30.04	73	NE	5	bc	29.95	-1.25	68	64	+4	SE	8	bc	3	79	63	0.67		
Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Lyons ...	30.08	73	N	3	c	30.06	-1.11	68	64	-2	WNW	1	bc	*	83	63	—		
Nice ...	30.14	73	WNW	3	c	30.27	+1.14	72	66	+4	E	1	bc	1	79	61	—		
Perpignan ...	30.04	71	NE	4	c	30.03	-1.12	66	66	-3	SW	1	bc	*	80	60	—		
Biarritz ...	29.95	73	W	7	c	30.04	-1.07	68	66	-1	W	5	bc	2	84	68	0.12		
PENINSULA.																			
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Lisbon ...	30.11	65	WNW	7	c	30.16	+1.09	63	59	-1	N	5	bc	2	79	55	—		

WEATHER CHARTS

for 8 a.m. on

WEDNESDAY 15th AUGUST,

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 —

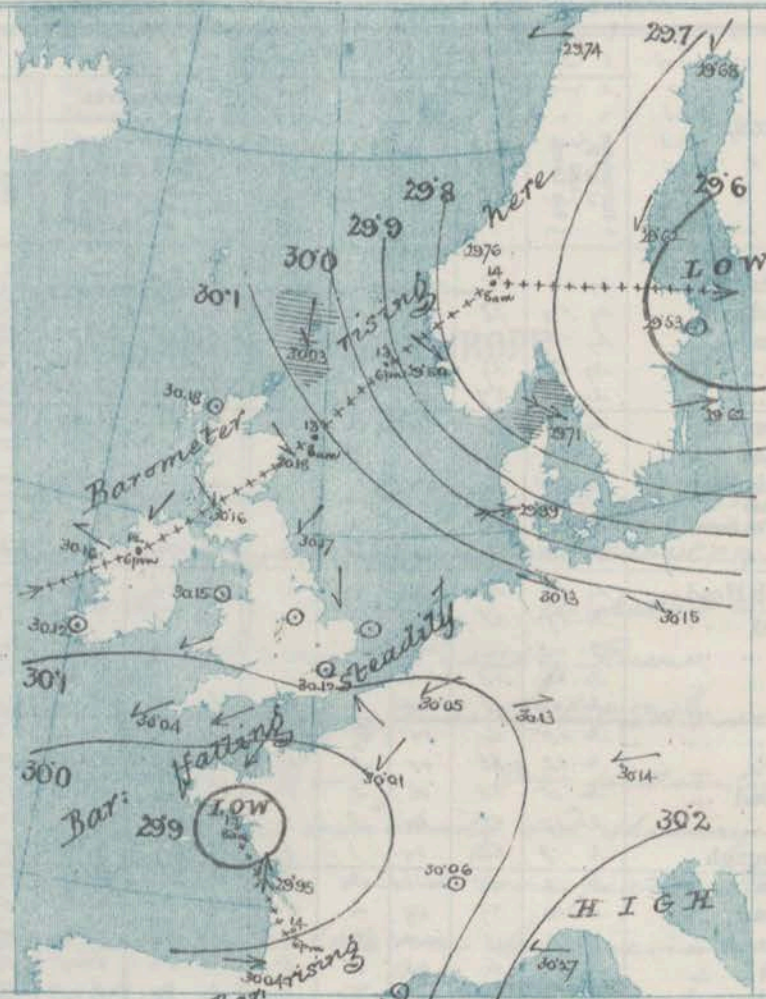
→ — forces above 10, → — forces 8 to 10,
→ — forces 5 to 7, → — forces 1 to 4,
○ — dead calm.

Sea Disturbance — where considerable is shown thus.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of August
during the 15 Years 1871 — 1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Selly	29.958
Jersey	29.978
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.920



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 August.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	57.0	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.95
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.02
Shields	68.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.6	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Selly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

NOTE — The Temperature means are for the 15 years 1871 — 85, the Rainfall means are mainly those for the 10 years 1868 — 85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.27 ins. at Nice, 30.1 ins. and upwards over Germany, the Netherlands and the greater part of our Island. Lowest 29.6 ins. and less in a large depression lying over the Baltic, 29.9 ins. and less, in a small system having its centre near the mouth of the Loire. Gradients moderate over Denmark and the northern part of the North Sea, but slight elsewhere.
TEMPERATURE	Highest 72° at Nice, 68° at Rochefort, Biarritz and Lyons, 66° at Munich and Perpignan, and 63° at Lisbon. Lowest 48° at Lumburgh Head, 49° at Wick, 50° at Nairn, Aberdeen and Oxford, and 51° at Hyeres and Longborough.
WIND	Light NW ^{ly} in the east of Scotland; strong to a gale from W on the eastern shores of the North Sea. Moderate to strong from E or NE over the Channel; light from NW in the northwest of France. S.W. in the southwest of France; strong to a gale at Rochefort.
WEATHER	Rainy at several of the Channel stations, and also in Sweden. Dull in the west of France with thunder at Lorient; fine in most other localities. Thunderstorms occurred last night in the west of France, and lightning was seen at Pauillac Point.
SEA	Rough at Skagen and rather rough at Lumburgh Head, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the west of France seems likely to occasion rain at many of our southern stations, and thunder may possibly occur in the southwest.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	Light variable breezes; fair generally.	6 { SCOTLAND WEST	Same as N ^{os} 0 and 1.
1 { SCOTLAND EAST		7 { ENGLAND N. W.	Same as N ^{os} 2 and 3.
2 { ENGLAND N. E.	NE ^{ly} winds, light or moderate; fair to unsettled, and some rain.	8 { ENGLAND S. W.	E ^{ly} winds, fresh or strong; cloudy, some rain, possibly thunder.
3 { ENGLAND EAST		9 { IRELAND NORTH	Same as N ^{os} 2 and 3.
4 { MIDLAND COUNTIES	E ^{ly} winds, moderate; cloudy, rain locally.	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.
Skudesnaes ...	29.58	55	54	W 6	2	?	Holyhead ...	30.21	61	58	SW 3	6	2
Sumburgh Head ...	29.75	50	48	NW 6	0	6	Valencia ...	30.20	62	57	SE 3	0	3
Stornoway ...	30.05	53	52	NW 3	0	3	Scilly ...	30.19	63	57	SE 2	6	3
Aberdeen ...	30.03	59	49	WNW 6	6Cg	4	Jersey ...	30.19	66	60	NE 2	6m	2
Shields ...	30.09	62	58	WNW 3	C	2	Dungeness ...	30.21	64	59	WNW 2	6	1
Ardrossan ...	30.13	54	52	SW 3	0	2	London ...	30.21	65	56	NW 3	6C	*
Malin Head ...	30.16	60	55	W 3	0	3	Yarmouth ...	30.16	64	54	W 3	6	2
Mullaghmore ...	30.16	62	56	W 2	6C	2	Rocheport ...	30.14	71	69	ENE 3	0	2
Belmullet ...	30.17	62	55	WNW 2	6	*							

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

The reports for yesterday morning showed that a large anticyclonic band in which readings exceeded 30.2 ins. extended from the Southwest of our Islands to South Germany, while a well marked depression in which readings were below 29.4 ins. was lying over Norway. The wind was W or NW over our Islands and the North Sea, and blew strong in the more northern localities. Over the Baltic however, it drew into the SW, and in the north of Scandinavia to NE, while over southern Europe it was light and variable. The weather was dull and unsettled in the north with rain at Haparanda, Skudesnaes and Sumburgh Head, but fine in most other parts of the Continent. In the southwest of France however, thunderstorms were reported. Temperature had risen a little over Algeria and southern Europe, as well as in the west of Norway, but fallen elsewhere; readings ranged from 80° and upwards, over central Algeria and some parts of Spain to 50° and less, in the extreme north of Scotland and the neighbourhood of the White Sea. The highest individual readings were 84° at Biskra, 82° at Bilbao, 80° at Barcelona, 78° at Trieste, Laxina and La Calle, and 77° at Brindisi and Aumale; the lowest were 47° at Sumburgh Head, 48° at Archangel and Ulick, 50° at Stornoway and Aberdeen, 51° at Naurn, and 53° at Charkov, Skudesnaes, Leith and Barrow in Furness.

In the course of the day the depression over Norway travelled steadily eastwards, and the barometer continued to rise on all our more northern coasts. A small disturbance over the southwest of France however, increased slightly in depth and occasioned a gradual fall at some of 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 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, 16th August 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 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 ..	29.74	52	NNE	2	c	29.50	+ 12	54	53	+ 3	NE	2	0	*	*	59	45	0.04
	Hernösand ...	29.50	53	N	2	o	29.56	+ 24	56	50	+ 3	N	2	0	*	*	64	52	0.39
	Stockholm ...	29.70	55	NNE	2	o	29.53	+ 30	57	52	0	N	2	0	*	*	64	54	0.04
	Wisby ...	29.73	58	NW	6	+	29.82	+ 20	58	56	+ 2	NW	4	0	*	*	59	48	-
	Bodö ...	29.84	53	N	0	o	29.96	+ 22	51	48	- 8	N	2	0	1	*	59	48	-
	Christiansund...	29.96	51	NW	3	f	30.07	+ 31	53	50	0	NE	1	0	1	*	57	48	0.04
	Skudesnaes ...	29.93	54	NW	6	o	29.97	+ 17	54	51	- 1	NW	6	0	4	*	54	54	-
	Christiania Fjord (Færd)	29.82	62	NW	2	o	29.93	+ 27	59	53	- 1	N	4	0	2	*	63	57	-
	Skagen (The Scaw)	29.84	56	N	0	b	29.92	+ 21	59	57	+ 3	E	1	0	0	*	66	52	-
	Fanö ...	29.98	55	WNW	6	c	29.95	- 04	55	53	0	N	2	0	*	*	59	52	-
BRITISH ISLANDS.	Sumburgh Head	30.14	48	N	3	o	30.20	+ 17	48	45	0	N	2	0	3	*	52	44	0.01
	Stornoway ...	30.21	51	NE	2	b	30.27	+ 09	50	49	- 1	NE	2	0	2	*	55	47	-
	Wick ...	30.24	50	N	3	o	30.25	+ 09	53	50	+ 4	N	3	0	2	*	55	46	-
	Nairn ...	30.18	55	N	2	b	30.25	+ 08	49	47	- 1	NW	1	0	1	*	61	46	-
	Aberdeen...	30.21	52	N	2	c	30.24	+ 06	48	44	- 2	NW	2	0	2	*	59	46	-
	Leith ...	30.17	54	E	3	b	30.24	+ 09	50	46	- 6	EHE	2	0	*	*	61	47	-
	Shields ...	30.18	54	NE	2	b	30.21	+ 04	51	49	- 6	N	2	0	3	*	58	48	-
	Spurn Head ...	30.15	55	EHE	3	bc	30.16	00	53	50	- 4	N	5	0	4	*	60	50	-
	York ...	30.16	56	EHE	1	c	30.20	+ 03	52	48	- 1	NNE	3	0	*	*	65	44	-
	Loughborough	30.12	58	EHE	3	c	30.20	+ 03	51	49	0	NNE	3	0	0	*	70	43	-
GERMANY.	Ardrossan ...	30.13	60	WNW	3	b	30.23	+ 07	51	49	- 5	NE	2	0	1	*	64	49	-
	Malin Head ...	30.18	57	NE	2	b	30.21	+ 02	54	53	- 3	WSW	2	0	2	*	59	50	-
	Mullaghmore ...	30.15	63	NE	2	bc	30.20	+ 04	56	52	- 1	EHE	2	0	2	*	65	50	-
	Belmullet ...	30.16	59	EHE	2	o	30.20	+ 04	58	54	0	EHE	1	0	*	*	65	51	-
	Donaghadee ...	30.17	57	NE	4	b	30.23	+ 04	53	50	- 4	SE	3	0	1	*	63	51	-
	Barrow-in-Furness	30.13	60	E	2	b	30.20	+ 04	50	47	- 5	EHE	2	0	*	*	62	48	-
	Liverpool (Bidston)	30.12	58	N	1	o	30.22	+ 06	52	47	- 4	EHE	2	0	2	*	63	46	-
	Holyhead ...	30.14	56	N	3	b	30.19	+ 04	56	52	- 6	EHE	3	0	2	*	63	51	-
	Parsonstown ...	30.12	62	N	0	c	30.16	+ 02	51	50	- 6	SE	1	0	*	*	65	44	-
	Valencia ...	30.11	63	NW	2	b	30.15	+ 03	63	57	+ 2	2	0	0	1	*	67	48	-
FRANCE & NETHERLANDS.	Roche's Point...	30.10	61	ESE	3	b	30.14	+ 01	58	55	+ 3	E	2	0	3	*	64	48	-
	Pembroke ...	30.09	60	NNE	3	bc	30.16	+ 04	54	51	0	E	3	0	2	*	64	54	-
	Scilly ...	30.06	60	NE	3	c	30.09	+ 05	60	55	+ 2	E	4	0	2	*	63	56	-
	Prawle Point ...	30.05	55	NE	3	o	30.12	+ 09	55	53	- 2	NE	6	0	4	*	58	44	0.01
	Jersey ...	29.94	59	NE	4	o	30.07	+ 12	57	55	- 2	EHE	4	0	3	*	61	54	0.25
	Hurst Castle ...	30.01	59	EHE	4	cp	30.14	+ 06	54	52	- 3	NE	4	0	2	*	63	51	0.02
	Dungeness ...	29.98	58	E	6	o	30.07	00	57	53	+ 1	NE	5	0	4	*	58	53	0.24
	London ...	30.06	59	E	3	o	30.14	+ 02	54	48	- 1	NNE	2	0	*	*	65	47	-
	Oxford ...	30.09	56	NE	4	o	30.18	+ 04	50	48	0	NE	2	0	*	*	63	43	-
	Cambridge ...	30.09	59	NE	1	bc	30.15	+ 01	53	51	- 2	N	1	0	*	*	65	40	-
PENINSULA.	Yarmouth ...	30.10	58	NE	5	c	30.11	- 03	54	53	- 3	N	4	0	4	*	62	51	0.01
	Cuxhaven ...	30.11	56	WNW	3	c	30.06	+ 07	57	55	- 2	W	2	0	*	*	63	53	-
	Berlin ...	30.04	60	W	1	o	29.99	- 16	57	51	+ 2	NE	2	0	*	*	64	55	-
	Wiesbaden ...	*	*	*	*	*	29.95	- 18	58	56	- 2	N	1	0	*	*	70	58	0.08
	Munich ...	30.10	61	SW	3	T	30.02	- 12	61	60	- 5	W	2	0	*	*	81	59	0.83
	The Helder ...	30.07	56	NNE	1	c	30.04	- 11	56	52	- 1	N	1	0	2	*	61	54	-
	Brussels ...	*	*	*	*	*	30.03	- 02	53	52	0	N	3	0	*	*	56	?	0.55
	Cape Gris Nez...	29.96	55	E	7	o	30.04	- 06	56	53	+ 4	NE	4	0	5	*	57	52	0.42
	Paris ...	29.89	69	SE	1	o	30.02	+ 04	53	52	- 6	NW	3	0	*	*	74	53	0.43
	Brest ...	30.09	55	N	3	o	30.13	+ 15	54	?	- 2	NE	1	0	1	*	77	46	0.20
FRANCE & NETHERLANDS.	Lorient ...	30.00	58	W	5	bc	30.01	+ 11	57	55	- 3	EHE	3	0	2	*	68	55	0.20
	Rochefort ...	30.09	67	W	7	c	30.06	+ 11	64	60	- 4	WSW	3	0	2	*	73	57	-
	Belfort ...	30.04	78	NW	3	c	30.06	?	66	60	- 4	NW	1	0	*	*	81	59	-
	Lyons ...	29.89	77	W	5	c	30.05	- 01	64	60	- 4	NW	1	0	*	*	87	61	-
	Nice ...	29.99	75	W	4	b	29.95	- 32	67	62	- 5	SW	1	0	0	*	79	63	-
	Perpignan ...	30.03	75	NE	3	b	30.01	- 02	70	64	+ 4	W	3	0	*	*	?	?	-
	Biarritz ...	30.11	70	NW	4	b	29.99	- 05	63	61	- 5	E	4	0	2	*	72	61	-
	Coranna ...	*	*	*	*	*	29.99	- 03	65	62	+ 1	NE	1	0	0	*	73	57	-
	Lisbon ...	30.10	65	NW	7	b	30.06	- 10	63	59	0	WSW	4	0	2	*	75	61	-

WEATHER CHARTS

for 8 a.m. on

Thursday, 16th August

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.

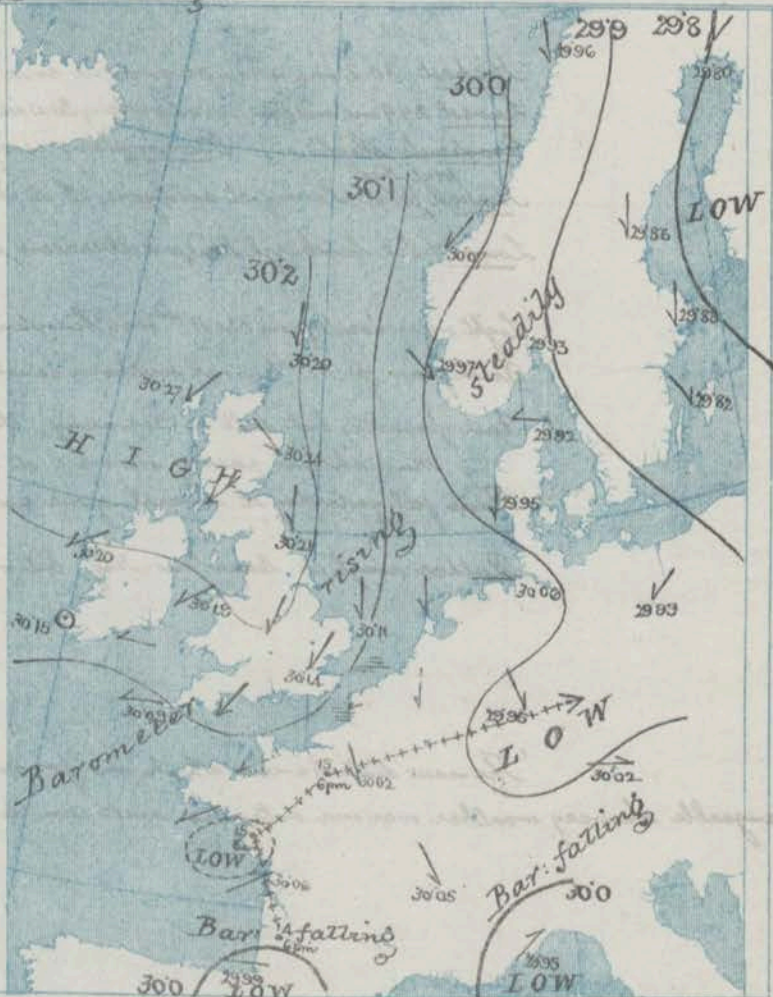
Sea Disturbance — where considerable is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head.	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.880
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Rocha's Point	29.922
Pembroke	29.921
Seilly	29.953
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



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 August

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.6	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Rocha's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Seilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	3.20
Oxford	69.2	53.4	59.2	56.4	2.83
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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. and upwards, in an anticyclone lying over all the more northern parts of our Islands.
Lowest 29.9 ins. and less, over Sweden, 30.0 ins. and less, in three small depressions lying over the west and south of France.

TEMPERATURE

Gradients slight. Barometer rising at all but the German and southern French stations.
Highest 64° at Rochefort and Lyons, 63° at Valencia, Biarritz and Lisbon, 61° at Munich, and 60° at Scilly.
Lowest 48° at Sumburgh Head and Aberdeen, 49° at Nairn, 50° at Leith, Hornoway, Barrow in Furness and Oxford.

WIND

Light or moderate from the N.W. over Scandinavia, the North Sea and the north and east of our Islands.
Fresh from the NE. on our southern coasts; light and variable over the southern part of France and Germany.

WEATHER

Fair generally but dull in Germany, the east of our Islands and the north of France, with rain at Munich and passing showers at Falmouth.
Rain fell yesterday at several of our extreme southern stations, and a thunderstorm occurred at Jersey.

SEA

Rather rough at Cape Gris Nez, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new disturbances which are forming over France will probably occasion a continuance of changeable showery weather over our extreme southern districts, but in the north conditions are likely to remain fine.

FORECASTS

for the 24 hours ending at NOON on 17th AUGUST 1888.

DISTRICTS.

FORECASTS.

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

Light breezes, chiefly N.W.; fair generally.
N.W. to NE. winds, moderate; cloudy, some showers.
NE. winds, fresh; fair generally, but some showers.

DISTRICTS.



FORECASTS.

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

NE. winds, light; fair generally.
E. and NE. winds, freshening; fair to cloudy with some rain.
Same as N^{os} 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 ...	29.91	58	54	WNW 4	C	3	Holyhead ...	30.15	59	57	NNE 3	b	1
Sumburgh Head ...	30.11	50	47	N 3	O	4	Valencia ...	30.11	66	58	WNW 2	bv	2
Stornoway ...	30.22	57	51	E 2	b	2	Scilly ...	30.06	60	55	NE 3	c	2
Aberdeen ...	30.19	58	50	WNW 3	b	2	Jersey ...	29.94	60	56	NNE 5	c	4
Shields ...	30.17	57	52	ENE 3	C	3	Dungeness ...	30.02	54	51	E 5	p	4
Ardrossan ...	30.15	64	59	W 3	C	2	London ...	30.07	61	56	E 4	c	3
Malin Head ...	30.19	59	57	NE 2	b	1	Yarmouth ...	30.12	62	58	NE 2	bv	3
Mullaghmore ...	30.17	62	57	N 2	bv	2	Rocheport ...	30.03	71	68	WSW 7	c	2
Belmullet ...	30.15	60	56	ENE 2	O	*							

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

The continental information has not yet arrived.

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, 17th August 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 ..	29.67	52	NNE	2	c	29.92	+1.2	51	51	-3	N	4	T	*	64	46		
	Hernösand ...	29.91	54	Z	0	b	30.00	+1.4	54	51	-2	NW	4	O	*	56	50	0.04	
	Stockholm ...	29.88	55	Z	0	b	29.90	+0.7	57	53	0	NW	2	b	*	63	50		
	Wisby ...	29.90	58	NW	4	b	29.89	+0.7	58	56	0	N	2	b	*	64	54		
	Bodö ...	30.04	49	N	2	0	30.08	+1.2	49	48	-2	Z	0	C	1	52	45		
	Christiansund...	30.12	53	NNE	4	b	30.15	+0.8	51	48	-2	E	3	C	2	57	46		
	Skudesnaes ...	29.98	53	NW	4	c	30.00	+0.3	58	55	+4	Z	0	C	3	?	54		
	Christiania Fjord (Farder)	29.94	59	NW	3	T	29.98	+0.5	54	49	-5	ESE	5	b	2	63	54	0.12	
	Skagen (The Scaw)	29.94	54	ESE	1	b	29.95	+0.3	57	53	-2	ESE	3	O	2	68	55		
	Fanö ...	29.95	51	N	2	b	29.93	-0.2	53	53	-2	Z	0	T	*	61	?	0.08	
BRITISH ISLANDS.	Sumburgh Head	30.22	50	N	2	c	30.24	+0.4	48	45	0	N	3	O	3	55	44		
	Stornoway ...	30.29	51	NE	3	b	30.30	+0.3	50	49	0	NE	3	O	3	53	41		
	Wick ...	30.26	49	NNE	2	0	30.30	+0.5	48	46	-5	NE	2	O	1	54	44		
	Nairn ...	30.26	50	NNE	1	0	30.29	+0.4	49	46	0	E	1	C	1	56	47		
	Aberdeen...	30.27	50	N	3	c	30.28	+0.4	48	45	0	NW	3	Og	3	53	46		
	Leith ...	30.24	53	E	1	b	30.27	+0.3	50	46	0	ESE	1	O	*	55	49		
	Shields ...	30.23	52	N	2	0	30.23	+0.2	52	48	+1	N	4	O	4	53	47		
	Spurn Head ...	30.18	53	N	4	c	30.16	-0.0	53	51	0	N	4	cdp	3	56	49		
	York ...	30.22	53	N	3	c	30.21	+0.1	51	49	-1	N	1	O	*	55	47		
	Loughborough	30.20	54	NE	3	0	30.19	-0.1	51	49	0	NNE	2	om	*	60	47		
GERMANY.	Ardrossan ...	30.20	57	Z	0	c	30.27	+0.4	54	50	+3	SSW	1	C	1	61	49		
	Malin Head ...	30.22	58	E	3	b	30.26	+0.5	54	52	0	SE	3	b	1	59	49		
	Mullaghmore ...	30.19	62	NW	2	b	30.24	+0.4	57	52	+1	ESE	1	b	1	64	49		
	Belmullet ...	30.21	58	NNE	3	b	30.23	+0.3	57	53	-1	S	1	b	*	61	50		
	Donaghadee ...	30.23	54	S	2	b	30.28	+0.5	52	48	-1	E	3	C	1	57	48	0.02	
	Barrow-in-Furness	30.20	55	NE	2	b	30.22	+0.2	50	47	0	NE	1	O	*	56	45		
	Liverpool (Bidston)	30.20	56	NE	2	b	30.24	+0.2	51	46	-1	NE	1	O	2	59	46		
	Holyhead ...	30.20	55	NE	3	b	30.24	+0.5	52	48	-4	NE	3	O	2	60	48		
	Parsonstown ...	30.17	63	SE	2	b	30.24	+0.8	53	50	+2	SE	2	b	*	67	45		
	Valencia ...	30.16	59	WSW	2	od	30.22	+0.7	60	56	-3	Z	0	bm	1	69	49	0.01	
FRANCE & NETHERLANDS.	Roche's Point...	30.16	60	ESE	2	b	30.21	+0.7	55	52	-3	N	2	b	3	64	46		
	Pembroke ...	30.15	56	SE	3	c	30.19	+0.3	51	47	-3	ESE	2	b	1	61	48		
	Scilly ...	30.09	56	ESE	3	c	30.12	+0.3	56	52	-4	ESE	5	O	4	61	53		
	Prawle Point ...	30.11	56	NNE	6	b	30.13	+0.1	51	48	-4	NE	6	C	4	61	44		
	Jersey ...	30.03	60	NE	4	ogm	30.05	-0.2	56	54	-1	NE	5	ogm	4	60	54	0.01	
	Hurst Castle ...	30.12	60	NE	4	og	30.12	-0.2	54	52	0	NE	5	b	2	65	50		
	Dungeness ...	30.08	59	ESE	5	c	30.07	-0.0	54	52	-3	NNE	4	C	3	63	50	0.03	
	London ...	30.15	57	NNE	2	og	30.13	-0.1	53	49	-1	NE	2	og	*	61	51		
	Oxford ...	30.18	53	NE	2	0	30.17	-0.1	50	48	0	NE	3	og	*	55	48		
	Cambridge ...	30.18	55	N	1	0	30.14	-0.1	54	51	+1	N	1	O	*	59	46	0.01	
PENINSULA.	Yarmouth ...	30.14	54	N	3	c	30.10	-0.1	56	50	+2	N	3	b	4	58	49	0.01	
	Cuxhaven ...	30.05	56	NW	3	c	30.01	-0.5	58	54	+1	SW	2	b	*	61	?	0.04	
	Berlin ...	29.99	60	WSW	1	c	29.97	-0.2	57	55	0	Z	0	O	*	63	54	0.04	
	Wiesbaden ...	*	*	*	*	*	?	?	60	54	+2	N	1	b	*	68	55		
	Munich ...	30.03	64	NW	1	c	29.95	-0.7	59	57	-2	NE	2	C	*	72	52		
	The Helder ...	30.08	56	N	3	c	30.04	-0.0	55	52	-1	NNE	3	C	2	59	54		
	Brussels ...	*	*	*	*	*	30.04	+0.1	55	52	+2	NNE	1	O	*	63	53		
	Cape Gris Nez...	30.08	57	NE	5	b	30.05	+0.1	55	52	-1	NE	7	C	5	63	54		
	Paris ...	30.03	60	NE	3	0	29.99	-0.3	56	53	+3	NE	4	O	*	63	?		
	Brest ...	30.05	58	ESE	4	0	30.07	-0.6	56	54	+2	NE	5	O	2	77	46		

WEATHER CHARTS

for 8 a.m. on Friday, 17th August, 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.

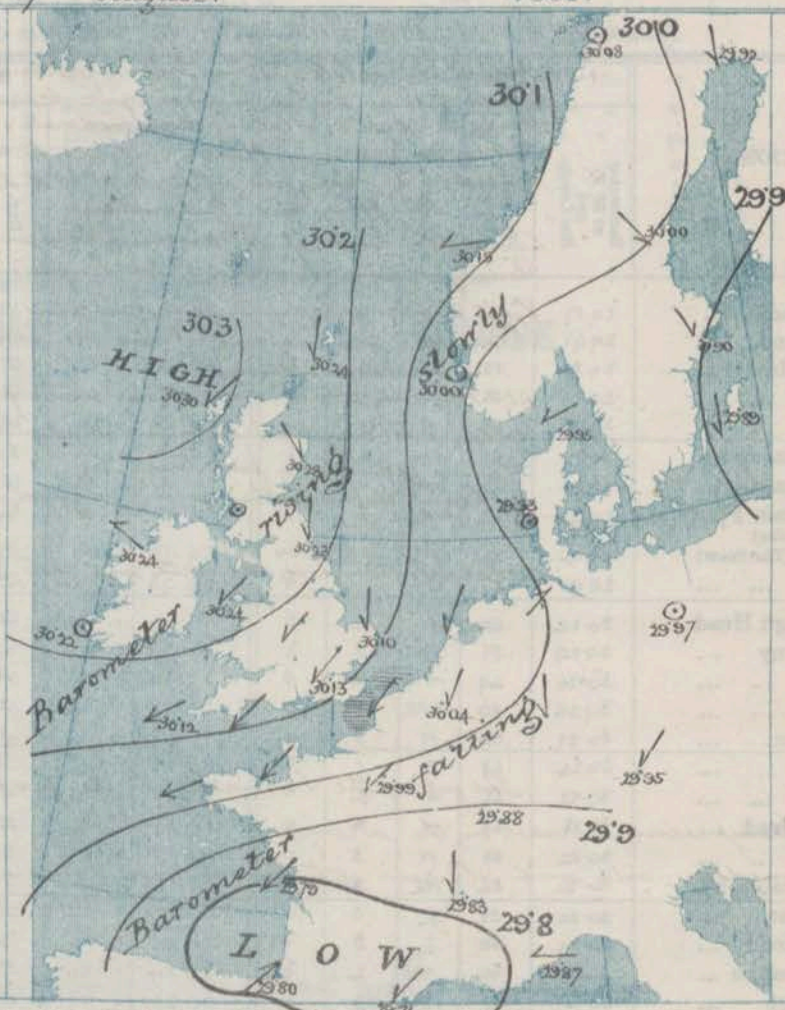
Sea Disturbance—where considerable is shown thus.

— = Rough — = High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



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.

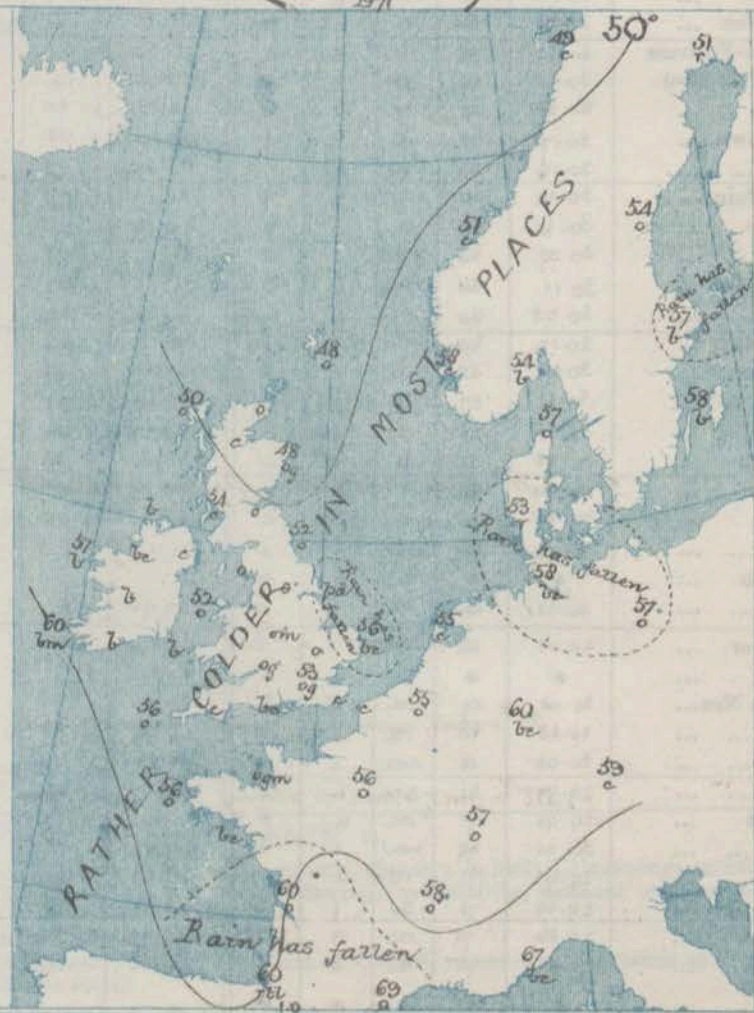
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of August.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 3 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.0	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.02
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.01
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	68.2	61.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

NOTE—The Temperature means are for the 16 years 1871—85, the Rainfall means are mainly those for the 10 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 in. to 30.3 in. over Ireland, Scotland and the north of England.
Lowest 29.8 in. and less, in an elongated depression lying over the southwest of France and northeast of Spain.
Gradient, slight in west and north, moderate over the Channel and north of France.
Barometer falling in France, inclined to rise in Ireland and Scotland.

TEMPERATURE

Highest 69° at Perpignan, 67° at Nice, 65° at Lisbon, 60° at Rochefort and Valencia, 58° at Wick, and 54° at Stockholm and Belmullet.
Lowest 48° at Lumburg, N. Wick and Aberdeen, 50° at Leith, Barrow in Furness and Cardiff and 53° at London and at Parsonstown.
The daily maxima were about 65° over England yesterday, and below 60° in Scotland. In Ireland they were higher.

WIND

Light and variable in Ireland, Scotland and on the eastern shores of the North Sea.
N. and NE. over England, France, and the Bay of Biscay and blow strongly at the more southern stations.
At Biarritz there is a strong wind from the S.W.

WEATHER

Bleak and bright in Ireland, cloudy, more or less elsewhere, and gloomy in many places.
Rain is falling in a few localities.
A heavy thunderstorm is in progress at Biarritz.

SEA

Moderately rough in the south and east, slight or smooth in all other places.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The fall of the barometer in the far south does not seem to be spreading much, so that although some increase in the strength of the NE. wind is probable over the southern and eastern parts of the Kingdom, with some cold rain at times, no gale of importance is at present apprehended.

FORECASTS

For the 24 hours ending at NOON on 18th AUGUST 1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	N ^W winds, moderate; gloomy to fine, cold.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as N ^o 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	NE ^W winds, moderate; cloudy, fine as a whole, cold.
5	ENGLAND SOUTH	NE ^W winds, fresh to strong; cold, some rain.



DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NE ^W winds, light or moderate; fair.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as N ^o 5.
9	IRELAND NORTH	Very light winds; fine generally, fog at night.
10	IRELAND SOUTH	

WARNINGS

NONE ISSUED AT PRESENT.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	29.99	58	53	NW 6	b	3	Holyhead ...	30.21	59	53	ESE 3	b	2
Sumburgh Head ...	30.20	50	49	N 2	c	3	Valencia ...	30.15	69	61	NW 2	bcl	2
Stornoway ...	30.29	52	49	NE 2	c	2	Scilly ...	30.11	60	54	E 5	c	4
Aberdeen ...	30.25	52	48	NW 1	0	2	Jersey ...	30.07	60	57	ESE 4	0	3
Shields ...	30.23	53	48	N 3	0	3	Dungeness ...	30.10	60	55	ESE 4	c	3
Ardrossan ...	30.22	59	56	W 1	bcl	1	London ...	30.15	59	54	NE 4	0	*
Malin Head ...	30.13	57	55	E 3	b	2	Yarmouth ...	30.14	58	55	N 3	c	3
Mullaghmore ...	30.19	63	57	N 3	bv	2	Rocheport ...	30.04	75	?	WNW 1	b	2
Belmullet ...	30.21	63	55	NE 2	b	*							

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

The reports for yesterday morning showed that pressure was highest 30.2 ins. and upwards, over the northern parts of the British Islands, and lowest 29.7 ins. and less, in a large area lying over northern Russia. Small shallow depressions were however, lying respectively over the extreme western parts of Germany and France, and the Gulf of Genoa. The wind was N^{ly} over Scandinavia and the north and east of our Islands and NE^{ly} over the Channel and south of England, but over the central parts of France it was chiefly SW^{ly}, while in southern Europe it was very variable. Fair weather was reported over the greater part of Europe, but in Germany, northern Russia, the east of our Islands and the north of France, the sky was cloudy or overcast, with rain at Munich, St. Petersburg, Yarmouth and Cherbourg. Temperature had fallen a little in most places and readings ranged from 75° and upwards, at several of the Algerian and Mediterranean stations to 50° or less, over the northern parts of Scotland and Russia. The highest individual readings were 82° at Biskra, 79° at Barcelona and Constantinople, 78° at Brindisi, 77° at Cagliari and Malta, and 75° at Pesaro and Aumale; the lowest were 48° at Sumburgh Head and Aberdeen, 49° at Archangel and Nairn, and 50° at Kuopio, Stornoway, Leith, Barrow in Furness and Oxford.

In the course of the day the barometer fell rather briskly in the south of France, and the depressions to the southward of us became somewhat more decided. Temperature remained low over the whole of the United Kingdom, the thermometer rising very little above 60° in any part of Great Britain.

General remarks on the Weather for the 24 hours ending at 8 am on August 16th 1888.

The reports for Wednesday morning showed that pressure was highest 30.1 ins. and upwards, in a broad anticyclonic band which extended in a WNW^{ly} direction from Germany to the west of our Islands, and lowest 29.6 ins. and less, in a depression lying over the Baltic. A smaller disturbance with readings below 29.9 ins. was also lying near the mouth of the Loire. The wind was light from the NE^{ly} over the northern parts of Scandinavia and Russia, and fresh or strong from the same quarter over the south of England and north of France. Over the south of France however, it was chiefly SW^{ly}, while over central and southern Europe generally it was variable. Rain was falling at some of the Swedish stations, and also over the English Channel and north of France, but elsewhere the weather was mostly fair. Temperature had risen a little in the north of our Islands and also in the west of France, but fallen elsewhere; readings ranged from 70° and upwards, in most parts of southern Europe to 50° or less, over the northern parts of Scotland, Germany and Russia. The highest individual readings were 82° at Barcelona, 81° at Biskra, 79° at Brindisi and Aumale, 77° at Cap Bearn and Cagliari, and 76° at Algiers and Laghouat. The lowest were 48° at Archangel, Sumburgh Head and Cassel, 49° at Wick, 50° at Nairn, Aberdeen, Oxford and Munster, and 51° at Haparanda and Loughborough.

In the course of the day the small depression over the west of France moved steadily eastwards, and a further slight increase of wind took place on our south coasts. The weather however, remained unchanged.

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, 18th August* 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

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 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 ...	29.96	50	N	2	bc	29.92	-0.0	53	53	+ 2	7	2	c	*	59	41	-
	Hernösand ...	30.01	50	N	0	bc	30.00	-0.0	54	49	0	7	2	c	*	68	46	-
	Stockholm ...	29.93	52	NNE	2	b	29.93	+0.3	55	51	- 2	7	4	bc	*	61	48	0.20
	Wisby ...	29.94	55	W	2	b	29.91	+0.2	57	54	- 1	7	4	c	*	63	54	-
	Bodö ...	30.03	48	WSW	2	c	29.96	-1.2	46	45	- 3	SW	4	+	2	72	45	0.12
	Christiansund...	30.12	50	NNE	3	b	30.06	-0.9	49	47	- 2	WSW	3	+	2	55	46	-
	Skudesnaes ...	30.03	53	NW	4	b	30.07	+0.7	52	49	- 6	NW	6	0	3	63	?	-
	Christiania Fjord (Færder)	29.98	62	NW	2	b	30.01	+0.3	53	49	- 1	NNE	3	b	1	61	52	-
	Skagen (The Scaw)	29.96	57	NE	3	bc	30.00	+0.5	57	52	0	NE	1	b	1	63	54	-
	Fanö ...	29.94	55	NW	2	c	30.01	+0.8	56	54	+ 3	N	2	c	*	61	52	-
	Sumburgh Head	30.23	49	NNE	2	0	30.20	-0.4	48	47	0	NW	2	0	2	52	43	-
	Stornoway ...	30.27	51	NE	5	b	30.25	-0.5	53	51	+ 3	E	2	bc	2	53	40	-
	Wick ...	30.28	49	N	2	0	30.27	-0.3	51	48	+ 3	NE	1	c	1	51	45	-
	Nairn ...	30.26	52	E	1	c	30.26	-0.3	50	49	+ 1	20	0	c	1	55	47	-
	Aberdeen...	30.27	50	NW	2	0	30.29	+0.1	49	47	+ 1	NW	2	c	2	52	44	-
	Leith ...	30.24	53	ENE	1	b	30.28	+0.1	50	48	0	E	1	0	*	56	46	-
	Shields ...	30.22	51	NNE	4	odp	30.28	+0.5	52	48	0	NW	2	0	4	54	45	-
	Spurn Head ...	30.17	50	N	5	c	30.25	+0.9	55	52	+ 2	N	5	bc	4	55	48	0.03
	York ...	30.21	51	N	2	0	30.28	+0.7	51	48	0	N	2	0	*	57	43	0.01
	Loughborough	30.18	54	NNE	3	0	30.28	+0.9	53	50	+ 2	NNE	3	om	*	58	47	-
BRITISH ISLANDS.	Ardrossan ...	30.22	58	W	1	b	30.27	-0.0	55	52	+ 1	20	0	cm	0	59	48	-
	Malin Head ...	30.24	57	E	2	b	30.25	-0.1	57	54	+ 3	20	0	cm	0	60	51	-
	Mullaghmore...	30.23	62	NW	1	b	30.25	+0.1	57	52	0	E	1	bcw	1	64	47	-
	Belmullet ...	30.24	61	W	1	bc	30.25	+0.2	59	56	+ 2	SE	2	b	*	66	52	-
	Donaghadee ...	30.26	54	SSW	1	b	30.29	+0.1	53	51	+ 1	SSW	2	c	1	58	45	-
	Barrow-in-Furness	30.20	56	NE	2	b	30.27	+0.5	50	48	0	NNE	1	0	*	60	47	-
	Liverpool (oldton)	30.21	56	N	2	c	30.31	+0.7	52	47	+ 1	NE	1	0	1	60	48	-
	Holyhead ...	30.24	54	NNE	4	b	30.29	+0.5	55	51	+ 3	SSW	2	cm	1	56	45	-
	Parsonstown ...	30.25	59	SE	1	b	30.28	+0.4	49	47	- 4	SE	1	c	*	61	37	-
	Valencia ...	30.24	61	S	3	cm	30.25	+0.3	57	55	- 3	SE	4	cm	4	67	51	-
	Roche's Point...	30.24	57	ESE	3	b	30.28	+0.7	58	55	+ 3	ESE	2	cm	3	60	45	-
	Pembroke ...	30.18	54	NNE	3	b	30.29	+1.0	53	50	+ 2	E	2	bc	1	58	47	-
	Scilly ...	30.15	57	NE	4	b	30.28	+1.6	59	54	+ 3	ENE	1	c	2	59	52	-
	Prawle Point ...	30.15	54	NNE	3	bc	30.30	+1.7	56	48	+ 5	NE	4	bc	3	60	46	-
	Jersey ...	30.09	59	NNE	4	cgm	30.28	+2.3	57	51	+ 1	NNE	3	bcw	3	61	52	-
	Hurst Castle ...	30.11	59	NE	4	c	30.28	+1.6	55	52	+ 1	NNE	2	bc	2	61	49	-
	Dungeness ...	30.02	58	NNE	5	0												-
	London ...	30.10	56	N	2	og	30.22	+0.9	52	49	- 1	NNE	2	0	*	61	49	-
	Oxford ...	30.18	52	NNE	4	0	30.27	+1.0	51	47	+ 1	N	2	0	*	59	47	-
	Cambridge ...	30.16	54	N	1	0	30.22	+0.8	53	51	- 1	N	1	0	*	61	46	-
	Yarmouth ...	30.09	55	N	4	c	30.18	+0.8	56	54	0	NNE	5	cv	5	59	50	0.04
GERMANY.	Cuxhaven ...	29.97	59	N	2	c	30.02	+0.1	60	59	+ 2	NNE	3	c	*	61	55	-
	Berlin ...	29.89	59	NW	2	c	29.85	-1.2	56	53	- 1	NW	2	0	*	64	54	-
	Wiesbaden ...	*	*	*	*	*	29.99	?	57	54	- 3	N	3	0	*	68	52	-
	Munich ...	29.75	61	NE	4	+	29.85	-1.0	50	50	- 9	N	5	+	*	68	50	0.87
FRANCE & NETHERLANDS.	The Helder ...	30.00	54	NNE	3	+	30.06	+0.2	58	56	+ 3	NNE	4	c	3	59	54	0.08
	Brussels ...	*	*	*	*	*	30.11	+0.7	56	53	+ 1	NW	3	c	*	60	53	0.04
	Cape Gris Nez...	30.02	56	NE	8	c	30.13	+0.8	53	52	- 2	N	7	0	5	61	52	-
	Paris ...	29.91	57	NNE	5	c	30.17	+1.8	53	50	- 3	NW	4	0	*	62	51	-
	Brest ...	30.10	57	NE	4	0	30.31	+2.4	50	50	- 6	NW	1	b	1	77	46	-
	Lorient ...	30.07	59	NE	7	0	30.24	+1.29	?	52	?	NNE	5	0	2	63	52	-
	Rochefort ...	29.97	63	NNE	7	0	30.24	+1.45	57	53	- 3	NNE	5	0	2	64	52	-
	Belfort ...	29.71	57	E	4	+	29.98	+1.0	54	53	- 3	N	1	0	*	61	51	0.47
	Lyons ...	29.62	61	N	3	c	30.02	+1.9	53	50	- 5	NW	4	0	*	62	52	0.43
	Nice ...	29.67	59	ESE	5	c	29.67	-2.0	61	57	- 6	E	3	bc	3	79	55	-
	Perpignan ...	29.75	61	NW	5	bc	30.04	+1.33	63	56	- 6	NW	7	0	*	80	3	0.20
	Biarritz ...	29.99	66	NW	8	+	30.20	+1.40	60	57	0	SE	3	0	3	66	57	0.71
PENINSULA.	Corunna ...	*	*	*	*	*	30.27	+1.25	68	64	+ 6	NE	1	bc	2	70	55	-
	Lisbon ...	30.18	66	WNW	5	b	30.19	+0.3	64	59	- 1	NNE	5	b	2	73	59	-

For Explanation of Columns, see p. 4.

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

1888:

(Explanation of Map)

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

\rightarrow = forces above N ; \rightarrow = forces 8 to N ,
 \rightarrow = forces 5 to 7; \rightarrow = forces 1 to 4.

⊙ = denti exim.

Sea Disturbance—where considerable, is shewn thus.

MEAN HEIGHT *of the* BAROMETER

at 3 a. m. for the month of August.

During the 15 Years 1871 — 1885.



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.

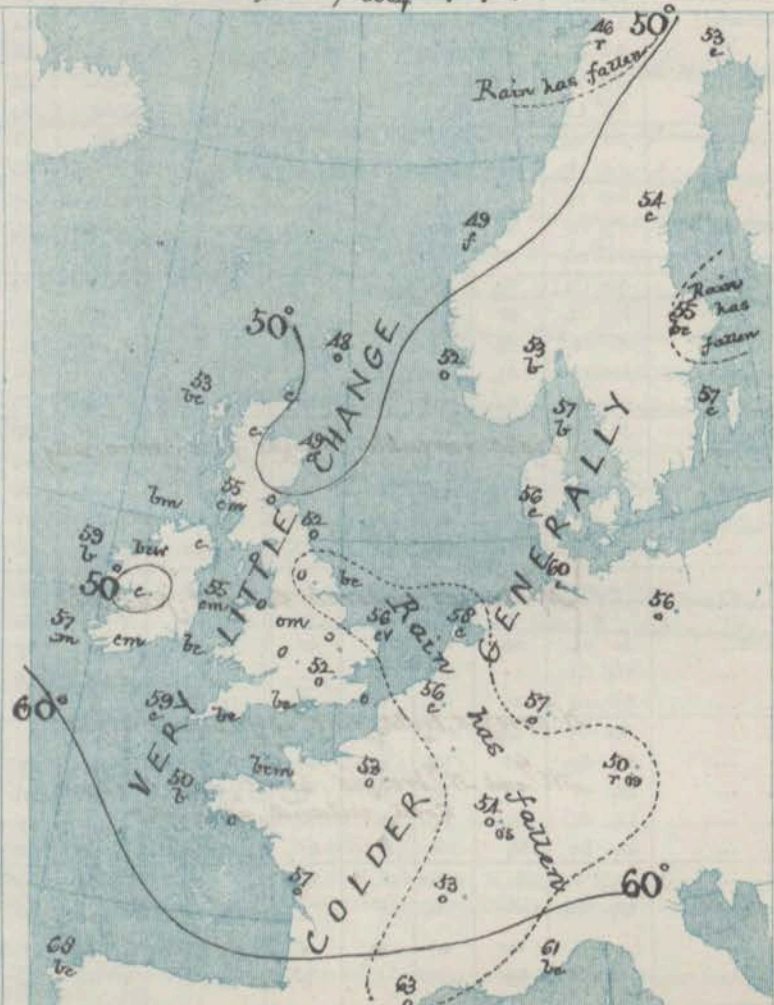
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of August:

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	57·9	48·5	53·8	52·0	3·21
Sornoway.	58·5	49·0	55·2	53·3	3·57
Wick	61·1	48·5	55·2	53·2	2·35
Nairn	63·4	50·2	55·6	52·7	2·81
Aberdeen	63·1	50·2	56·7	53·8	3·13
Leith	65·8	51·4	57·6	54·6	2·62
Shields	63·5	52·3	57·5	54·9	2·81
York	68·1	51·4	58·0	55·3	2·47
Loughborough	70·5	52·1	59·9	57·4	2·61
Ardrossan	64·0	53·1	57·3	54·9	4·08
Donaghadee	61·8	52·0	57·0	55·5	2·99
Holyhead	64·3	55·0	58·5	56·4	2·89
Liverpool	65·7	54·3	58·7	55·5	2·79
Parsonstown	66·2	54·7	57·6	55·7	3·48
Valencia	65·0	54·1	59·4	57·0	4·65
Roche's Point	66·6	53·3	59·0	56·4	3·59
Pembroke	63·7	55·8	58·0	56·6	2·91
Scilly	64·9	57·2	61·1	59·0	2·45
Jersey	69·0	57·4	63·1	60·0	2·26
Hurst Castle	68·1	56·1	61·2	59·1	2·31
Dover	67·1	57·2	62·6	59·0	2·06
LONDON	71·8	58·7	61·4	57·8	3·20
Oxford	69·2	53·4	59·2	56·4	2·33
Cambridge	71·3	52·1	60·2	57·3	2·25
Yarmouth	66·4	55·1	60·8	57·9	2·17

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 30.2 ins. to 30.3 ins. over the British Islands, the Channel, Brittany, the north of Spain and the Bay of Biscay.
Lowest 29.4 ins. and less over the Gulf of Genoa, 29.9 ins. and less over Germany.

Gradients very slight over our Islands, moderate over the North Sea and France.

Barometer rising in the south and east, falling slightly in the north and northwest.

TEMPERATURE

Highest 64° at Lisbon, 63° at Perpignan, 61° at Nice and 59° at Lillo.

Lowest 46° at Bodo, 48° at Dunburgh Head, 49° at Christiansund, Aberdeen and Parsonstown.

It is still very low for the time of year. At Parsonstown the minimum recorded in the screen during the night was as low as 37°.

WIND

N. at the Continental stations, and over the North Sea; fresh in several places (strong in the Straits of Dover) light elsewhere.

Very variable and light, over the western and northern parts of Great Britain, light S.E. in Ireland.

WEATHER

Fine and bright on our extreme northwestern coasts, cloudy or dull elsewhere, with rain at Bodo and Murisk, and fog at Christiansund.

A good deal of rain has fallen over the southern parts of France and Germany, and thunder has occurred at Lyons.

SEA

Rather rough in the east and southeast, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

It is probable that as pressure increases over our eastern counties the north wind at our eastern stations will fall light, while light S.E. to S. breezes and warmer weather will prevail in the west.

FORECASTS

For the 24 hours ending at NOON on 19th AUGUST 1888.

DISTRICTS.

FORECASTS.

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

Light variable breezes; fine generally.

N. breezes, moderate to light; fine, cold.

N. breezes, light; fine, very cold at night.

N.E. and N. breezes, light; dull to clear. Cold inland at night.

DISTRICTS.

FORECASTS.

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

Varying airs; fine generally, with rising temperature.

S.E. and S. airs; fine, with rising temperature.

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 ...	30.03	63	55	WNW 4	6	2	Holyhead ...	30.24	55	49	NNE 3	60	2
Sumburgh Head ...	30.24	50	47	NNE 3	0	3	Valencia ...	30.21	66	58	NNE 2	6m	2
Stornoway ...	30.28	52	50	NNE 2	60	3	Scilly ...	30.15	58	52	NNE 5	0	4
Aberdeen ...	30.27	51	46	N 3	09	3	Jersey ...	30.06	60	56	NNE 5	0	4
Shields ...	30.23	51	47	N 4	0	4	Dungeness ...	30.02	60	53	NNE 5	0	4
Ardrossan ...	30.25	59	55	W 3	6	2	London ...	30.11	59	53	N 4	0	*
Malin Head ...	30.26	59	56	E 2	6	1	Yarmouth ...	30.10	58	53	N 4	09	4
Mullaghmore ...	30.24	62	57	NW 2	6	2	Rocheport ...	29.87	60	59	NNE 7	0	3
Belmullet ...	30.25	66	59	N 1	0	*							

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 off the northwest of Scotland, and lowest 29.8 ins. and less, in a large area lying over the northern parts of Russia and also in an elongated depression lying over the south of France. The wind was N. over Scandinavia, the Baltic and the North Sea, and NE. over the Netherlands, the south of England and the north of France. In the southwest of France and the north of Spain however, W. or SW. breezes were reported, while over Italy, Algeria and central Europe the wind was light and variable. The weather was fine in Ireland and also over southern Europe, but cloudy or overcast elsewhere, with rain at Haparanda, Moscow, Fano and Gap, and a thunderstorm at Biarritz. Temperature had fallen a little in most places, and readings ranged from 80° and upwards at some of the Algerian stations, and 70° and upwards, over southern Europe to 50° or less, in Lapland, Finland and the north of Scotland. The highest individual readings were 86° at Biskra, 81° at Malta and Algiers, 80° at Trieste and Cagliari, and 78° at Barcelona and Brindisi; the lowest were 48° at Sumburgh Head, Wick and Aberdeen, 49° at Kuopio, Bodö and Nairn, and 50° at Stornoway, Leith, Barrow in Farness and Oxford.

In the course of the day the depression over the south of France moved eastward, and the barometer rose over the Bay of Biscay; elsewhere however, a slight fall took place. The winds and weather remained unchanged.

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).

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DAILY WEATHER REPORT.

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

Issued by the Meteorological Office, 110, Victoria Street, London, W. H. STOTT, 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 5.)	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 ..	29.89	52	Z	0	C	29.92	+.03	54	54	+ 1	N	2	C	*	61	45	0.08	
Hernösand ...	29.95	52	Z	0	O	29.94	-.06	52	50	- 2	N	2	O	*	59	46	—	
Stockholm ...	29.93	54	Z	0	O	29.88	-.05	55	50	0	NE	2	O	*	63	45	0.04	
Wisby ...	29.96	54	ENE	4	b	29.90	-.01	56	53	- 1	W	2	b	*	61	52	—	
Bodö ...	29.97	48	Z	0	O	29.99	+.03	49	47	+ 3	NNE	2	b	1	50	41	0.12	
Christiansund...	30.02	50	W	3	C	30.03	-.03	50	48	+ 1	NNE	1	C	1	52	46	0.08	
Skudesnaes ...	30.05	52	NW	6	C	30.04	-.03	53	47	+ 1	NW	4	C	3	55	52	—	
Christiania Fjord (Fjord)	29.90	58	SSE	2	C	29.89	-.12	54	?	+ 1	NNE	5	b	1	61	52	—	
Skagen (The Seaw)	29.92	55	W	3	b	29.85	-.15	57	54	0	NNE	3	b	3	63	48	—	
Fanö ...	30.10	53	NW	4	C	30.03	+.02	55	50	- 1	NW	6	C	*	66	52	—	
BRITISH ISLANDS.																		
Sumburgh Head	30.20	49	NW	1	C	30.17	-.03	46	43	- 2	Z	0	O	1	52	44	0.01	
Stornoway ...	30.20	53	NE	2	b	30.10	-.15	53	52	0	E	2	C	2	57	36	—	
Wick ...	30.24	54	Z	0	b	30.17	-.10	52	50	+ 1	S	2	b	1	59	35	—	
Nairn ...	30.21	53	NE	1	b	30.15	-.11	48	47	- 2	Z	0	—	1	58	38	—	
Aberdeen...	30.24	57	SE	1	b	30.18	-.11	52	49	+ 3	SE	1	b	1	54	35	—	
Leith ...	30.22	54	ENE	1	C	30.18	-.10	55	52	+ 5	SE	1	b	*	57	40	—	
Shields ...	30.26	53	S	2	b	30.20	-.08	45	44	- 7	WSW	1	m	3	56	43	—	
Spurn Head ...	30.27	53	NNE	3	b	30.22	-.03	53	50	- 2	S	3	b	3	56	47	—	
York ...	30.27	56	E	1	b	30.21	-.07	46	45	- 5	E	1	f	*	58	41	—	
Loughborough	30.26	60	ENE	1	C	30.22	-.06	54	52	+ 1	Z	0	b	*	65	44	—	
Ardrossan ...	30.23	59	SW	3	b	30.13	-.14	56	54	+ 1	E	2	b	1	61	45	—	
Malin Head ...	30.21	59	SE	3	C	30.03	-.22	56	53	- 1	SE	5	—	2	60	51	—	
Mullaghmore ...	30.18	63	SSE	2	O	29.98	-.27	57	53	0	SE	5	—	4	66	55	—	
Belmullet ...	30.16	62	SSW	2	O	29.88	-.37	54	54	- 5	SSE	5	—	*	65	53	0.07	
Donaghadee ...	30.24	57	SSW	2	b	30.12	-.17	54	53	+ 1	SSE	3	b	1	64	50	—	
Barrow-in-Furness	30.26	57	NW	2	b	30.17	-.10	54	51	+ 4	E	2	b	*	59	48	—	
Liverpool (Bldston)	30.27	58	NW	1	b	30.17	-.14	57	52	+ 5	SE	2	C	2	61	46	—	
Holyhead ...	30.27	56	Z	0	b	30.15	-.14	57	54	+ 2	SSE	3	—	2	61	49	—	
Parsonstown ...	30.21	60	SSE	1	O	29.98	-.30	57	54	+ 8	SSE	4	—	*	65	47	—	
Valencia ...	30.17	60	SE	4	O	29.85	-.40	59	58	+ 2	SE	8	—	6	60	56	0.38	
Roche's Point...	30.22	59	SE	3	O	29.99	-.29	58	57	0	S	5	—	4	60	55	—	
Pembroke ...	30.26	56	S	1	C	30.14	-.15	57	53	+ 4	SSE	3	b	3	58	52	—	
Seilly ...	30.25	61	S	2	O	30.10	-.18	58	55	- 1	SSE	6	—	4	66	56	—	
Prawle Point ...	30.30	53	S	1	C	30.20	-.10	55	53	- 1	SSE	3	C	2	59	48	—	
Jersey ...	30.30	59	NNE	2	b	30.23	-.05	59	52	+ 2	SE	2	b	2	63	49	—	
Hurst Castle ...	30.27	60	ENE	1	C	30.24	-.04	56	55	+ 1	NNE	1	—	0	62	49	—	
Dungeness ...	30.22	58	ENE	4	C	30.23	+.08	61	56	+ 10	Z	0	b	0	66	47	0.01	
London ...	30.27	60	NNW	1	C	30.23	+.01	57	55	+ 5	NNW	1	—	*	63	45	—	
Oxford ...	30.29	51	N	1	b	30.23	-.04	54	51	+ 3	E	1	—	*	63	40	—	
Cambridge ...	30.28	57	N	1	b	30.22	-.00	55	54	+ 2	SE	1	—	*	64	44	—	
Yarmouth ...	30.25	56	N	3	C	30.24	+.06	53	50	- 3	NW	1	b	3	59	44	—	
Cuxhaven ...	30.13	54	N	5	C	30.14	+.12	56	54	- 4	NW	4	C	*	59	54	—	
Berlin ...	30.00	61	NW	2	C	30.08	+.23	53	51	- 3	WNW	2	O	*	68	48	0.04	
Wiesbaden ...	*	*	*	*	*	30.18	+.19	59	54	+ 2	N	3	C	*	68	55	0.12	
Munich ...	30.12	57	NW	1	O	30.21	+.36	51	49	+ 1	NW	4	O	*	59	48	0.12	
FRANCE & NETHERLANDS.																		
The Helder ...	30.20	56	NNW	2	C	30.19	+.13	56	50	- 3	NW	1	C	2	59	52	—	
Brussels ...	*	*	*	*	*	30.28	+.17	54	50	- 2	WNW	3	O	*	63	50	—	
Cape Gris Nez...	30.23	58	NE	5	C	30.24	+.11	57	54	+ 4	S	1	C	1	66	52	—	
Paris ...	30.25	59	NNW	3	O	30.27	+.10	52	51	- 1	N	1	O	*	63	46	—	
Brost ...	30.31	61	N	4	O	30.17	+.14	55	54	+ 5	ESE	4	C	2	77	46	—	
Lorient ...	30.26	61	W	1	b	30.22	-.02	58	55	?	ESE	3	C	2	66	52	—	
Rocheport ...	30.29	64	NE	4	C	30.27	+.03	55	52	- 2	ESE	4	b	2	72	48	—	
Belfort ...	30.12	60	E	1	b	30.12	+.14	57	53	+ 3	E	1	b	*	63	45	—	
Lyons ...	30.16	58	N	5	b	30.21	+.19	53	50	0	N	5	b	*	61	49	—	
Nice ...	29.76	68	SW	3	C	29.99	+.22	68	61	+ 7	E	1	b	2	79	59	—	
Perpignan ...	30.10	66	WNW	8	b	30.13	+.09	62	58	- 1	W	2	b	*	72	54	—	
Biarritz ...	30.25	65	N	4	b	30.18	-.02	55	52	- 5	E	3	b	1	68	51	—	
PENINSULA.																		
Corunna ...	*	*	*	*	*	30.13	-.14	64	58	- 4	NE	1	b	2	72	52	—	
Lisbon ...	30.13	66	NNW	5	b	30.11	-.08	65	61	+ 1	NNE	3	b	2	77	61	—	

WEATHER CHARTS

for 8 a.m. on

Sunday, 19th August

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

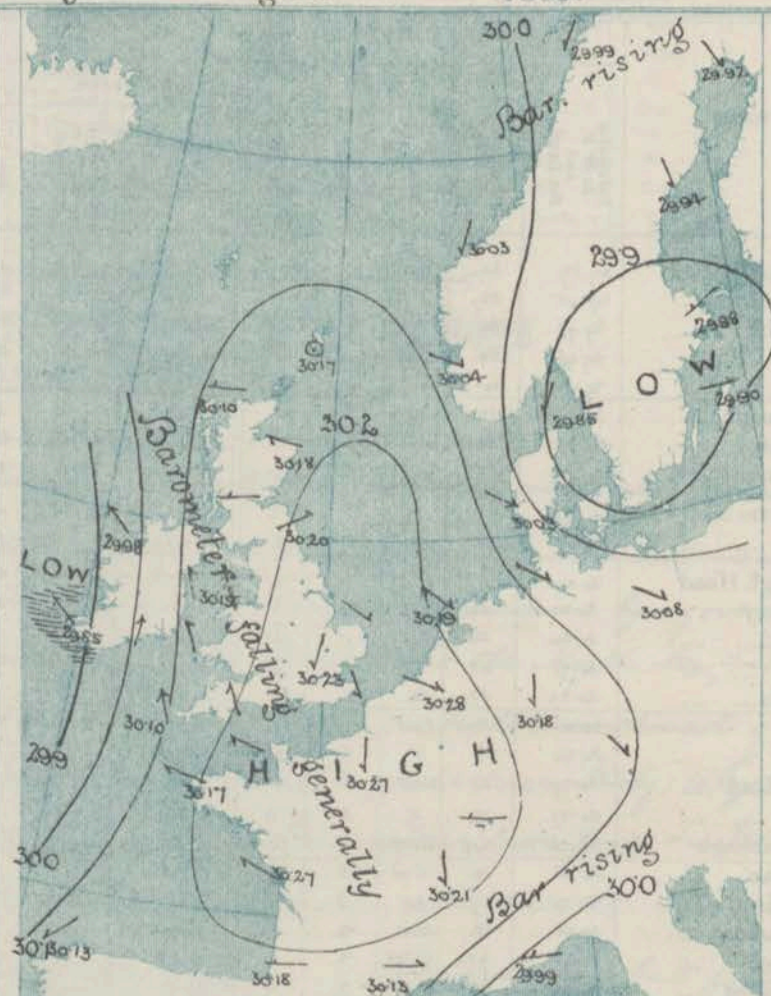
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their heads and feathers refer to force, thus —
 * — forces above 10; * — forces 8 to 10;
 — forces 5 to 7; — forces 1 to 4;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

Sea Disturbance — where considerable, is shown thus.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roches Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



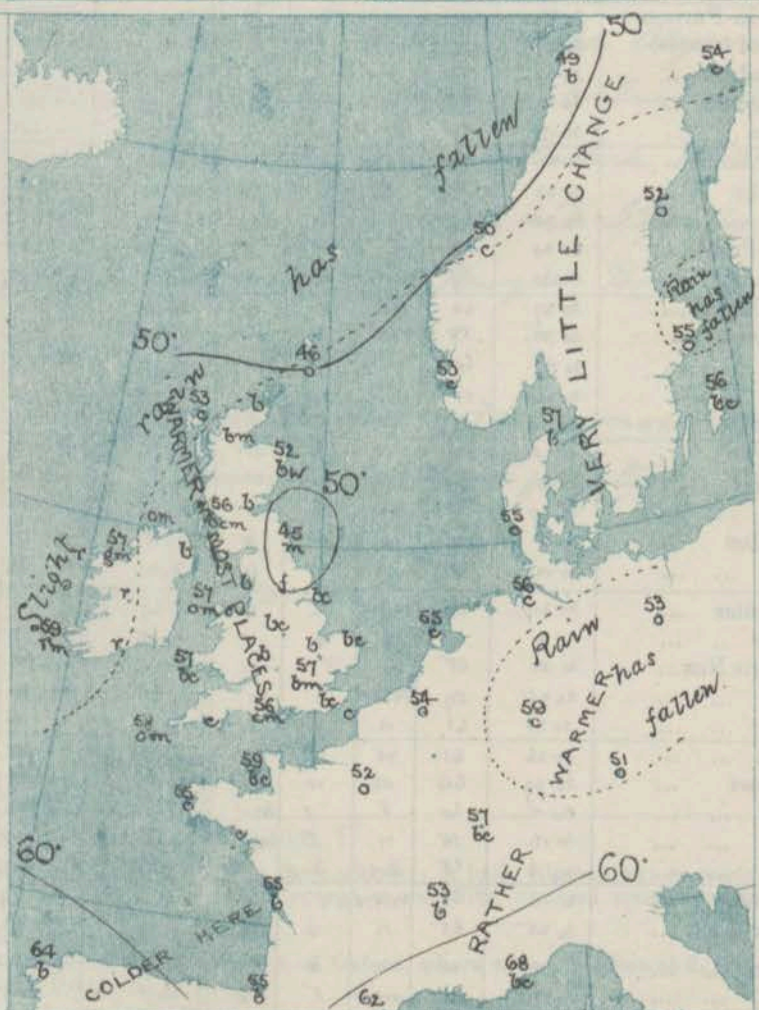
TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

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 August.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	49.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.90
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.2	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	58.7	61.4	57.8	2.30
Oxford	69.2	58.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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, 30.1 ins: to 30.3 ins: in a large high-pressure area covering Spain, the Bay of Biscay, France, Great Britain, and the North Sea.
Lowest, 29.9 ins: and less, in a depression lying over the south of Sweden and also in the west of Ireland; toward the latter region a depression is advancing from the Atlantic.
Gradients moderate in Ireland and on the eastern shore of the North Sea, slight elsewhere.
Barometer falling decidedly in west, and fall spreading eastwards.

TEMPERATURE

Highest, 68° at Nice, 65° at Lisbon, 64° at Corunna, 61° at Dungeness, and 59° at Katerina.
Lowest, 45° at Shields, 46° at York and Lumbagh Head, 48° at Kain, 49° at Rode and 50° at Christiansund.
It has been very low over Great Britain during the night — frosty in the east of Scotland.

WIND

NE to NW — moderate to strong — on the eastern shore of the North Sea.
NW in Germany — N in the east of France — Variable in the south of France.
In our islands it is S and SE, and is strong to a gale (and increasing) in the far west.

WEATHER

Fair except in the west, where the sky has become overcast and misty and heavy rain has set in.
Haze is prevalent over England.

SEA

Rough in the far west, moderate in the southwest, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the new depression in the west appears to be rather deep southerly, gales are likely to be felt on many parts of our western coast, — which have accordingly been warned.

FORECASTS

For the 24 hours ending at NOON on 20th August 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.

The south cone has been hoisted this morning in districts 6, 7, 9, 10, and the northern part of 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 ...	30.27	55	49	NW 8	b.c.	3	Holyhead ...	30.30	60	55	WNW 1	c	1
Sumburgh Head ...	30.30	52	50	WNW 1	f	2	Valencia ...	30.22	60	56	ESE 5	om	5
Stornoway ...	30.26	57	54	S 2	b	2	Scilly ...	30.28	64	56	SEW 3	om	2
Aberdeen ...	30.28	53	49	N 1	o	1	Jersey ...	30.30	62	53	N 2	b	2
Shields ...	30.28	55	49	E 2	c	3	Dungeness ...	30.21	61	56	N 2	c	1
Ardrossan ...	30.24	60	57	SH 1	b	1	London ...	30.26	60	54	NNW 2	c	
Malin Head ...	30.23	60	57	ENE 2	b.c.	1	Yarmouth ...	30.24	57	53	N 4	c	5
Mullaghmore ...	30.22	63	58	WNW 2	om	2	Rocheport ...	30.30	66	59	E.F. 4	o	4
Beimullet ...	30.22	63	57	WNW 2	o	*							

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

The reports for yesterday morning showed that pressures ranged from between 30.2 ins. and 30.3 ins. over the British Isles, west of France, the Bay of Biscay, and northwest of Spain, and from 29.9 ins. and more over the Black Sea to rather below 29.7 ins. in two depressions — one lying over the East of Austria and the other over the Gulf of Genoa. N^{ly} breezes prevailed over nearly the whole of Western Europe, and were moderate to fresh in force over the North Sea and France. In Ireland, however, the wind was shifting to the SE^{ly}. Rain had fallen very generally over Southern Europe, and the weather was dull in most places at 8 am, but in Ireland the sky was comparatively clear. Temperature continued very low for the time of year. Over Central Ireland there had been a decided frost during the night. The highest individual values at 8 am were 84° at Biskra (Algeria) 81° at Cagliari, 80° at Malta, 79° at Messina, 78° at Barcelona and Brindisi and 75° at Rome; the lowest were 46° at Rodez, 48° at Sumburgh Head, 49° at Aberdeen and Christiansund, 50° at Brest, 51° at York and Oxford and 52° in London.

Later on the SE^{ly} wind became more general in Ireland, with some increase of temperature, but over Great Britain the weather was very cold, and in many places gloomy.

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

Issued by the Meteorological Office, 40, Victoria Road, London, N.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.	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 ..		29.91	50	NE	1	b.c.	29.95	+0.03	51	50	-3	NNE	2	b.c.	+	66	45	-
Hernösand ...		29.95	47	Z	0	b.c.	29.99	+0.05	53	49	+1	NE	2	c	*	66	45	0.04
Stockholm ...		29.86	53	Z	0	o	29.87	-0.01	54	51	-1	NW	2	o	*	63	50	0.04
Wisby ...		29.86	53	SE	4	c	29.84	-0.06	55	51	-1	ESE	4	b.c.	*	64	52	0.04
Bodö ...		30.03	45	N	2	o	30.04	+0.05	49	46	0	Z	0	o	0	50	45	-
Christiansund...		30.08	51	NNE	2	b.c.	30.04	+0.01	52	46	+2	NE	3	b.c.	2	54	43	0.12
Skudesnaes ...		30.00	50	NW	4	b	30.02	-0.02	53	50	0	Z	0	b.c.	2	55	50	-
Christiania Fjord (Færd)		29.93	55	NNE	2	b.c.	30.01	+0.12	52	47	-2	NNE	5	b	1	57	52	0.08
Skagen (The Scaw)		29.92	56	N	4	b.c.	29.99	+0.14	55	51	-2	NE	1	b	1	61	52	-
Fanö ...		30.04	51	NW	4	c	30.04	+0.01	54	49	-1	NW	4	c	*	57	50	-
Samburgh Head		30.11	51	NE	1	b.c.	29.99	-0.18	51	46	+5	E	2	c	4	52	45	-
Stornoway ..		29.94	57	E	3	c	29.76	-0.34	54	54	+1	SE	3	r	3	62	50	0.10
Wick ...		30.07	53	E	4	c	29.88	-0.29	52	51	0	SSE	6	r	4	59	49	-
Nairn ...		30.04	57	E	1	b	29.82	-0.33	56	54	+8	Z	0	r	1	62	48	0.08
Aberdeen...		30.09	52	SSE	2	c	29.93	-0.25	53	52	+1	SE	2	o.r.m.	3	58	50	0.05
Leith ...		30.04	59	SE	1	c	29.88	-0.30	56	53	+1	SE	1	o.r.m.	*	61	52	0.04
Shields ...		30.07	56	SE	3	o	29.93	-0.27	55	52	+10	S	2	o.r.m.	2	60	44	0.01
Spurn Head ...		30.10	58	SE	3	b.c.	30.00	-0.22	56	54	+3	S	3	c.m.	2	62	51	-
York ...		30.08	63	SSE	1	o	29.97	-0.24	55	52	+9	S	2	o	*	68	45	0.03
Loughborough		30.09	64	SSW	2	c	29.98	-0.24	56	55	+2	SSE	2	r	*	70	52	-
Ardrossan ...		30.00	60	S	2	o	29.83	-0.30	56	55	0	SE	2	r.m.	3	65	52	-
Malin Head ...		29.80	54	S	4	o	29.74	-0.29	57	56	+1	S	1	o	0	59	53	0.15
Mullaghmore...		29.73	59	SSE	8	r	29.74	-0.24	59	57	+2	SSW	2	o	2	59	55	0.11
Belmullet ...		29.72	59	SSE	5	o	29.72	-0.16	59	58	+5	S	3	o	*	60	54	0.65
Donaghadee ...		29.98	54	SSW	5	r	29.81	-0.31	56	56	+2	SSW	5	r	3	59	53	0.53
Barrow-in-Furness		30.04	61	SE	3	o	29.91	-0.26	54	52	0	SE	5	o.r.	*	63	52	0.28
Liverpool (Bidston)		30.05	60	SSE	1	o	29.91	-0.26	53	52	-4	SE	3	r	2	67	52	0.11
Holyhead ...		30.03	59	S	4	o	29.86	-0.29	56	55	-1	S	4	d.r.	4	63	54	0.10
Parsonstown ...		29.82	57	SE	4	r	29.78	-0.20	60	59	+3	SE	1	c	*	61	56	0.86
Valencia ...		29.74	61	SSW	6	o	29.75	-0.10	61	60	+2	SSE	3	o.r.m.	4	63	58	1.25
Roche's Point...		29.81	59	S	7	r	29.78	-0.21	59	59	+1	S	2	f	4	61	55	1.10
Pembroke ...		30.01	57	S	5	r	29.82	-0.32	56	56	-1	SSE	6	r.g.m.	6	58	54	0.50
Scilly ...		29.99	60	S	6	o	29.80	-0.30	60	59	+2	SSW	1	r.f.	4	62	56	0.46
Prawle Point ...		30.10	56	SSE	4	o	29.93	-0.27	56	55	+1	SSE	4	r.g.	4	60	45	0.06
Jersey ...		30.14	62	SSE	3	o	29.98	-0.25	61	58	+2	SE	3	o.r.m.	3	65	57	-
Hurst Castle ...		30.15	58	SSW	3	c	29.98	-0.26	60	58	+4	S	3	c.m.	0	64	56	-
Dungeness ...		30.15	60	SE	2	b	30.02	-0.21	59	56	-2	SSE	4	o	2	64	57	-
London ...		30.15	64	S	2	c	30.01	-0.22	59	56	+2	SE	1	o	*	68	54	-
Oxford ...		30.11	56	S	3	o	29.99	-0.24	56	55	+2	S	2	c	*	66	53	-
Cambridge ...		30.14	60	S	1	c	30.00	-0.22	59	56	+4	S	1	o	*	70	51	0.02
Yarmouth ...		30.17	57	SSE	3	b	30.05	-0.19	59	55	+6	S	4	c	3	59	52	-
Cuxhaven ...		30.10	52	NW	6	o	30.08	-0.06	55	53	-1	NW	3	o	*	59	53	0.08
Berlin ...		30.05	58	W	2	o	30.07	-0.01	53	50	0	WNW	2	b.c.	*	64	50	0.04
Wiesbaden ...		*	*	*	*	*	30.18	0.00	53	50	-6	NW	1	o	*	66	46	-
Munich ...		30.21	54	Z	0	o	30.17	-0.04	53	?	+2	W	1	b.c.	*	61	45	?
FRANCE & NETHERLANDS.																		
The Helder ...		30.16	55	WNW	1	b	30.10	-0.09	51	50	-4	SSW	1	o	1	57	46	-
Brussels ...		*	*	*	*	*	30.11	-0.17	54	51	0	WNW	1	o	*	62	49	-
Cape Gris Nez...		30.17	59	NE	3	b	30.04	-0.20	57	53	0	S	4	c	2	66	54	-
Paris ...		30.17	62	E	3	c	30.08	-0.19	55	50	+3	ESE	3	o	*	69	47	-
Brest ...		30.13	52	SW	5	o	29.97	-0.20	58	57	+3	S	5	r	5	59	46	0.12
Lorient ...		30.12	60	S	4	o	29.98	-0.24	60	58	+2	S	3	r	2	66	57	-
Rochefort ...		30.15	67	WNW	4	c	30.04	-0.23	62	60	+7	SE	4	c	2	81	54	-
Belfort ...		30.17	62	N	1	b	30.12	0.00	59	56	+2	N	1	b.c.	*	69	44	-
Lyons ...		30.14	64	N	1	b	30.11	-0.10	55	51	+2	N	1	b.c.	*	67	49	5 be.
Nice ...		30.03	71	SW	1	b	30.08	+0.09	68	62	0	E	1	b	0	78	57	5 be.
Perpignan ...		30.07	69	SE	1	b	30.07	-0.06	61	56	-1	Z	0	b	*	80	48	-
Biarritz ...		30.06	72	E	4	b	30.00	-0.18	64	58	+9	Z	0	b	1	73	61	-
PENINSULAR.																		
Corunna ...		*	*	*	*	*												
Lisbon ...		30.05	69	WNW	4	b	30.10	-0.01	66	59	+1	NW	4	b.c.	2	82	61	-

WEATHER CHARTS

for 8 a.m. on Monday, 20th August, 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isotherms 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 —

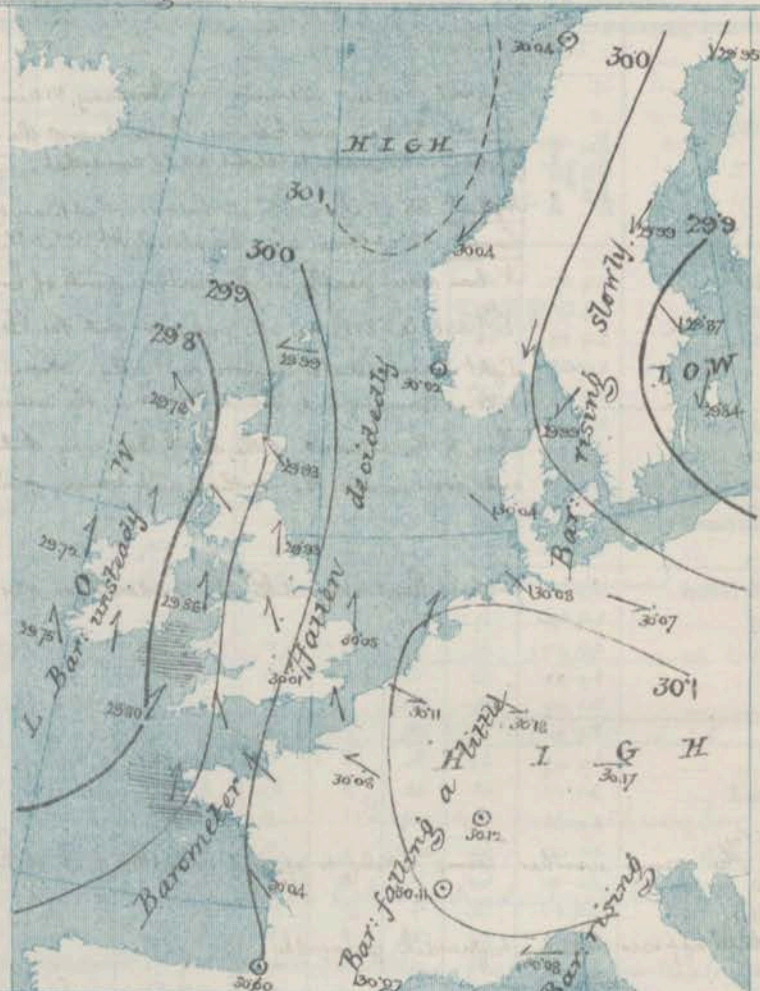
→ = forces above 10; → = forces 8 to 10;
 → = forces 5 to 7; → = forces 1 to 4;
 ○ = dead calm.

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



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 August.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 3 a.m.		
			Dry	Wet.	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.2	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.6	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	66.7	54.3	58.7	55.5	2.79
Parsonstown	68.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	60.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Cr.	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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 in: and more over Germany, 30.0 in: and more over France, the North Sea and the east of England.
 Lowest, 29.8 in: and less over Ireland and the Hebrides.
 Gradient moderate to slight, and somewhat. Barometer falling generally over England, unsteady in Ireland.

TEMPERATURE

Highest, 68° at Nix, 66° at Linton, 64° at Birmm, 61° at Perpignan and Valencia.
 Lowest, 49° at Bodo, 51° at Lumburg Ht., 52° at Nisk, and 53° at Aberdeen and Liverpool.
 It has risen greatly in the eastern part of England during the day.

WIND

S² (SSE to SSW) on all our own and the French coasts.
 Light to moderate in force generally, strong at Nisk and Pembroke.
 NW in Germany and NE to NW on the eastern shores of the North Sea.

WEATHER

Fine to the eastward of the North Sea, very dull over the British Isles and France, with mist and fog in some places, and rain in all the northern and western part of Great Britain. Heavy rain has fallen in Ireland.

SEA

Rough at Pembroke and Brest; moderate on our western coast generally, slight in the east and south east.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The rainy weather seems likely to spread over the east of England during the coming twenty-four hours, and wet unsettled weather appears likely to prevail generally.

FORECASTS

for the 24 hours ending at NOON on 21st August 1888.

DISTRICTS.

FORECASTS.

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

S² or SE² winds; dull, rainy.

Same as N°5

Same as N°0 to 2.

S² winds, light to moderate; dull, close, some rain.

DISTRICTS.

FORECASTS.



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

SE² and S² winds; dull, rain at times.

S² and varying winds, light; dull, misty rain at times.

WARNINGS

The south cone hoisted in the west and northwest yesterday has been lowered again this morning.

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.
Skudesnes ...	30.02	55	49	NW 8	6	3	Holyhead ...	30.08	59	54	SEW 4	2	4
Sumburgh Head							Valencia ...						
Stornoway ...	30.02	61	57	SE 2	6	2	Scilly ...						
Aberdeen ...							Jersey ...	30.19	64	56	SE 3	6	3
Shields ...							Dungeness ...	30.26	64	58	S 2	6	0
Ardrossan ...							London ...						*
Malin Head ...	29.89	58	56	S 6	0	4	Yarmouth ...						
Mullaghmore ...							Rochefort ...	30.16	67	61	NW 4	2	2
Belmullet ...	29.73	58	56	SSE 8	7	*							

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

The reports for yesterday showed that pressure varied from below 30.10 inches and to about 29.5 in: in a large high pressure area which lay over Spain, France, Great Britain and the North Sea, Ireland - towards which region a depression was advancing from the Atlantic. The wind in N. breezes prevailed over Germany, the Baltic and the eastern shores of the North Sea, the wind in our Islands was becoming S. and was increasing quickly in force at the western stations with rain. At Valencia a gale from South-east had set in. Temperature was low generally - especially in the northeast of the British Islands, but was inclined to rise over England. The highest individual values were 82° at Biskra, 81° at Tripoli, 75° at Cagliari and Malta, 74° at Palermo, 71° at Legonia, 68° at Nice. The lowest were 45° at Shields, 46° at Sumburgh Head and York, 48° at Wain, 49° at Bodø, 50° at Christiansund and 52° at Wick and Aberdeen. A frost had occurred in the northeast of Scotland during the night. Later on the S. wind became general, and blew hard over Ireland, but then lulled. Over England temperature rose, and maxima of 67° to 70° were recorded in several districts.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 12TH TO THE 18TH AUGUST 1888.

In the course of this week the weather has varied a good deal over the greater part of the British Islands, but has remained fine over our Southeastern counties, though very cold at times. On the 12th a well-marked depression reached our western coasts, and passing steadily in a northeasterly direction disappeared over Finland on the 15th. This caused rain over all the western and northern parts of the Kingdom - the fall in some places being heavy - but in the southeast the weather was fine and rather warm. The barometer then rose generally; a band of high pressure was formed over the Channel, the northeast of France and South Germany and depressions began to appear over the Bay of Biscay and France. This brought rain and thunder to our southwestern and the French Stations, and, as the barometer continued to rise in the north, a cold N. to NE. wind set in very generally, which finally produced frost both in Central Ireland and the northeast of Scotland.

At the close of the week the barometer was beginning to fall in Ireland, the wind there shifted to SE and S, with a rise of temperature and rain and it seemed evident that unsettled weather was likely to become general.

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, 21st August* 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.															
			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 ..	29.91	49	N	2	b	29.89	-0.06	51	50	0	N	0	b	*	64	43	0.04													
Hernösand ...	30.00	49	N	0	b	29.97	-0.02	51	49	-2	N	0	b	*	70	41	-													
Stockholm ...	29.94	53	N	0	b	29.96	+0.02	54	51	0	N	0	b	*	61	43	0.08													
Wisby ...	29.95	54	NNE	2	b	29.98	+0.03	55	52	0	NE	2	b	*	59	48	-													
Bodö ...	29.98	49	N	0	b	29.91	-0.07	50	45	+5	SSE	2	o	1	52	43	-													
Christiansund...	29.97	51	NE	1	b	29.90	-0.07	51	49	-2	SW	1	b	1	54	45	-													
Skudesnaes ...	30.02	54	N	0	o	29.91	-0.11	53	49	-4	SE	6	T	4	?	?	-													
Christiania Fjord (Færd)	29.99	56	WSW	4	b	29.97	-0.02	58	54	+4	WSW	4	b	1	59	?	-													
Skagen (The Scaw)	30.01	56	N	0	b	29.99	-0.02	57	53	+4	S	1	b	1	63	46	-													
Fanö ...	30.04	47	NW	1	b	29.93	-0.11	55	53	+2	SE	4	b	*	59	46	-													
BRITISH ISLANDS.																														
Sumburgh Head	29.87	51	ESE	3	o	29.70	-0.17	53	53	+2	SSE	1	o	4	55	49	0.11													
Stornoway ...	29.70	57	SW	2	o	29.58	-0.12	55	55	+2	N	0	o	2	57	52	0.20													
Wick ...	29.75	54	SE	3	o	29.63	-0.12	53	53	+2	SE	5	o	5	55	42	0.04													
Nairn ...	29.73	60	N	0	o	29.59	-0.14	58	55	+3	N	0	o	0	66	55	-													
Aberdeen...	29.82	54	SSE	2	o	29.68	-0.14	52	52	-2	SE	3	o	3	56	52	0.33													
Leith ...	29.77	60	SE	1	o	29.61	-0.16	55	54	-1	SE	1	o	4	61	53	0.26													
Shields ...	29.82	58	SE	2	o	29.64	-0.18	53	53	-2	ESE	1	o	2	62	52	0.23													
Spurn Head ...	29.85	60	SSE	4	o	29.63	-0.22	56	56	0	SSE	4	o	3	60	55	0.15													
York ...	29.83	62	E	2	o	29.63	-0.20	56	55	+1	ESE	1	o	*	64	53	0.17													
Loughborough	29.83	60	SSE	1	o	29.64	-0.19	58	57	+1	WSW	1	o	*	69	53	0.48													
Ardrossan ...	29.75	57	SE	2	o	29.59	-0.16	57	56	+1	E	1	o	1	57	55	0.05													
Malin Head ...	29.67	57	ESE	3	b	29.58	-0.09	56	56	-2	N	0	o	0	60	55	0.12													
Mullaghmore ...	29.65	63	SE	2	o	29.58	-0.07	58	56	-2	WSW	1	o	2	70	54	0.03													
Belmullet ...	29.66	61	SW	2	o	29.59	-0.07	60	59	+1	SSE	1	o	*	65	54	0.01													
Donaghadee ...	29.73	55	WSW	4	o	29.60	-0.13	54	54	-2	SSE	3	o	1	58	53	0.51													
Barrow-in-Furness	29.76	58	SE	4	o	29.61	-0.15	56	55	+1	E	2	o	*	60	53	0.89													
Liverpool (Bidston)	29.77	57	SE	1	o	29.63	-0.14	59	56	+3	SSE	1	o	2	61	53	0.29													
Holyhead ...	29.75	56	S	4	o	29.62	-0.13	57	56	+1	SSW	4	o	4	59	54	0.21													
Parsonstown ...	29.67	65	N	0	o	29.61	-0.06	58	57	-1	N	0	b	*	70	55	0.54													
Valencia ...	29.67	61	SSW	2	o	29.63	-0.04	62	60	+2	SW	2	o	3	64	55	0.11													
Roche's Point...	29.70	63	SW	2	b	29.62	-0.08	59	57	-2	SW	1	b	4	65	55	0.45													
Pembroke ...	29.74	56	SSE	3	o	29.65	-0.09	58	57	+1	S	3	o	4	58	55	0.24													
Scilly ...	29.73	62	N	0	b	29.68	-0.05	60	54	-6	W	4	o	4	65	56	0.23													
Prawle Point ...	29.75	57	SSW	4	o	29.71	-0.04	56	56	0	SW	2	o	1	57	53	0.46													
Jersey ...	29.81	62	SE	3	o	29.75	-0.06	59	58	-1	WSW	4	o	3	66	57	0.98													
Hurst Castle ...	29.82	58	ESE	3	o	29.68	-0.14	58	58	-2	WSW	2	o	1	64	58	0.41													
Dungeness ...	29.88	60	SSE	4	o	29.64	-0.24	59	59	0	SW	3	o	3	64	58	0.04													
London ...	29.85	62	ESE	3	o	29.64	-0.21	59	59	0	W	1	o	*	65	55	0.22													
Oxford ...	29.80	56	S	3	o	29.65	-0.15	56	55	-1	WNW	2	o	*	65	55	0.49													
Cambridge ...	29.87	62	N	0	o	29.62	-0.25	59	59	0	S	1	o	*	65	54	0.51													
Yarmouth ...	29.93	59	ESE	4	o	29.65	-0.28	58	57	-1	SE	2	o	3	60	56	0.25													
Cuxhaven ...	30.12	54	N	1	b	29.94	-0.18	55	53	-2	SE	4	o	*	57	53	-													
Berlin ...	30.06	57	N	0	b	30.02	-0.04	54	51	-3	SSE	1	o	*	63	48	-													
Wiesbaden ...	*	*	*	*	*	29.86	-0.16	58	56	-2	N	0	o	*	68	?	-													
Munich ...	30.08	56	NE	2	o	30.00	-0.08	57	55	-2	SE	2	o	*	64	52	-													
FRANCE & NETHERLANDS.																														
The Helder ...	29.97	59	ESE	1	o	29.73	-0.24	59	56	+3	ESE	1	o	1	61	?	-													
Brussels ...	*	*	*	*	*	29.73	-0.24	59	58	+1	S	1	o	*	65	?	0.04													
Cape Gris Nez...	29.87	59	SSE	3	o	29.66	-0.21	59	59	0	S	4	o	2	66	57	-													
Paris ...	29.91	64	NE	1	o	29.76	-0.15	60	59	+1	SW	3	o	*	71	?	0.12													
Brest ...	29.78	60	S	5	o	29.84	+0.06	59	58	+1	WNW	5	o	4	77	46	0.63													
Lorient ...	29.79	62	SW	7	o	29.82	+0.03	62	61	+1	WNW	7	o	5	64	57	0.24													
Rocheport ...	29.96	68	WSW	4	o	29.94	-0.02	67	67	0	WSW	5	o	3	75	61	-													
Belfort ...	30.00	65	W	1	o	29.96	-0.04	58	58	0	W	1	o	*	69	53	0.04													
Lyons ...	29.96	68	SSE	4	b	29.98	+0.02	63	61	+2	S	3	o	*	75	?	-													
Nice ...	30.10	63	ESE	3	o	30.10	0	61	58	-3	E	3	o	0	73	57	-													
Perpignan ...	30.00	70	NE	3	o	29.98	-0.02	70	67	+3	N	0	o	*	74	?	-													
Biarritz ...	29.93	69	WSW	4	o	30.04	+0.11	68	65	-3	WSW	5	o	2	82	64	-													
PORTUGAL.																														
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*													
Lisbon ...	30.12	70	WNW	5	b	30.14	+0.02	69	68	+1	SW	5	o	2	79	?	-													

WEATHER CHARTS

for 8 a.m. on

Tuesday, 21st August.

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.

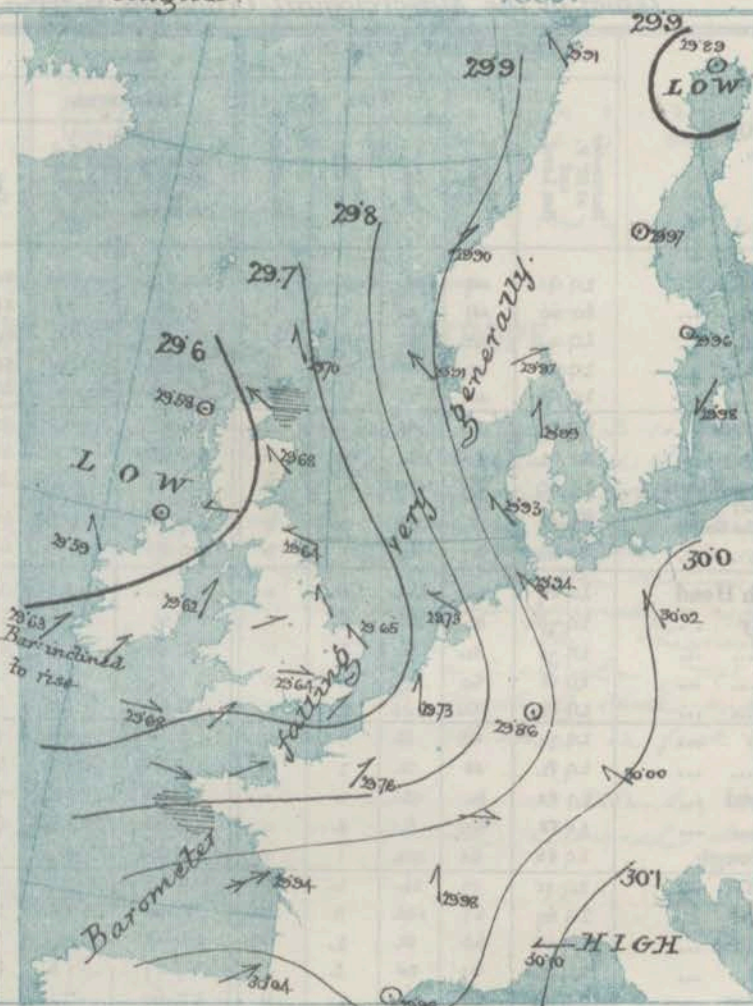
Sea Disturbance — where considerable is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
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Shields	29.875
York	29.907
Loughborough	29.926
Ardrossan	29.880
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.953
Jersey	29.978
Hurst Castle	29.960
Dover	29.960
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



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.

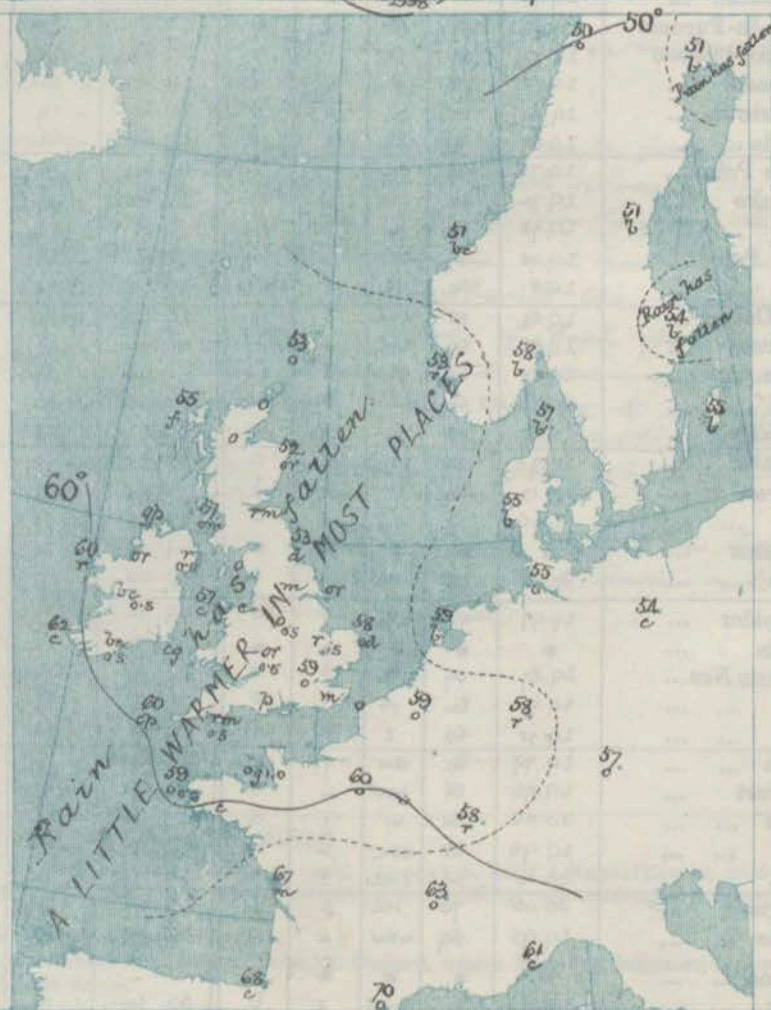
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of August

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	64.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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, 30.14 ins: at Lisbon, 30.0 ins: and upwards over the Iberian Peninsula generally, as well as in Germany and the south of France.
 Lowest, 29.6 ins: and less, in a large area lying over the sea to the north-east of our Islands. A subsidiary hollow exists over England.
 Gradient slight generally. Barometer falling at all but our southernmost stations.

TEMPERATURE

Highest, 70° at Perpignan, 69° at Lisbon, 68° at Biarritz, 67° at Rochefort, 63° at Valencia, and 62° at Lorient.
 Lowest, 50° at Bodo, 51° at Haparanda, Helsingfors, and Christiansund, and 52° at Aberdeen.

WIND

Light or moderate from the SEth over Germany, the North Sea and the adjacent coast.
 Light from SW. or W. over the southern parts of our Islands.
 Strong from the Wth over the Bay of Biscay.

WEATHER

Cloudy or overcast generally, with rain in many parts of our Islands.
 Fine in Sweden and Denmark as well as in the south of Ireland.
 Heavy rain fell yesterday at some of our western and southern stations.

SEA

Rather rough at Wick and Lorient, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure systems noticed above are inclined to move slowly northwards, and some slight improvement in the weather may possibly take place over our southern districts. The general conditions are, however, still very unsettled.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

SEth to Sth winds, light or moderate; changeable, some rain.
 Sth winds, light; unsettled, some rain, possibly thunder.
 Wth and SWth winds, light; changeable, some showers, possibly thunder.

DISTRICTS.

FORECASTS.



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

Same as Nos 0 to 2
 Same as No 3
 Same as Nos 4 and 5

Sth and SWth winds, light or moderate; changeable, 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 ...	30.02	62	53	WSW 4	b	2	Holyhead ...	29.81	58	56	S 4	d	4
Sumburgh Head ...	29.92	53	49	ESE 3	0	5	Valencia ...	29.71	62	60	SSE 3	0	3
Stornoway ...	29.73	55	55	S 3	r	3	Scilly ...	29.75	65	64	WSW 1	c	4
Aberdeen ...	29.85	55	53	SSE 2	om	3	Jersey ...	29.87	65	61	ESE 3	c	3
Shields ...	29.87	61	55	S 2	0	2	Dungeness ...	29.94	61	57	S 4	c	3
Ardrossan ...	29.78	57	56	SE 2	0	2	London ...	29.92	63	58	ESE 3	0	*
Malin Head ...	29.72	58	56	SE 2	0	2	Yarmouth ...	29.97	60	56	S 5	cm	4
Mullaghmore ...	29.69	67	60	SSE 1	cv	1	Rochefort ...	30.00	72	64	SSW 4	0	2
Belmullet ...	29.69	62	59	SSW 2	c	*							

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

The reports for yesterday morning showed that pressure was highest (30.0 ins. to 30.15 ins.) over the Mediterranean, Germany, the North Sea and Norway, but that it decreased in value to about 29.5 ins. in a depression near St. Petersburg, and to about 29.7 ins. in another, and larger, low pressure area off the west of Ireland. The barometer was falling generally over Western Europe as the low pressure area last mentioned spread eastwards, S² winds, with dull cloudy weather, and rain in many places, were prevalent over Western Europe, NE² breezes and cold showing weather in the north, NW² winds with somewhat undecided weather over the eastern and central countries, and NE² air and bright weather in the south. Temperature showed hardly any change in most places— but had recovered decidedly over the eastern and northeastern parts of Great Britain from the great cold of Sunday. The highest individual values at 8 am were 79° at Biskra (Algeria) 78° at Barcelona and Brindisi, 74° at Malta and San Fernando, and 70° at Constantinople; the lowest were 47° at Archangel, 43° at Bodo, 51° at Sumburgh H^d, Ulsaborg, and Helsingfors, and 53° at Aberdeen.

Later in the day the rainfall spread to the southeast of England and a large quantity fell over the Channel.

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 22nd August 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.																
			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 ..	29.84	50	SW	2	bc	29.77	-.12	57	56	+ .6	SW	2	c	*	64	37	—														
Hernösand ...	29.89	54	S	4	c	29.82	-.15	55	53	+ .4	Z	0	bc	*	64	39	—														
Stockholm ...	29.93	53	Z	0	b	29.87	-.09	59	54	+ .5	SSW	2	b	*	66	43	—														
Wisby ...	29.98	52	S	2	b	29.90	-.08	57	52	+ .2	E	2	b	*	63	50	—														
Bodö ...	29.86	48	WSW	2	bc	29.79	-.12	48	45	-.2	SE	2	b	4	52	39	0.04														
Christiansund...	29.83	53	NE	2	c	29.69	-.21	55	51	+ .4	E	1	c	1	55	48	—														
Skudesnaes ...	29.78	56	Z	0	o	29.61	-.30	55	51	+ .2	E	4	r	3	59	?	0.12														
Christiania Fjord (Farder)	29.88	58	ESE	2	c	29.71	-.26	58	53	0	ESE	4	o	2	59	57	—														
Skagen (The Seaw)	29.84	59	SSE	1	bc	29.61	-.38	56	56	—	SSE	4	r	3	64	52	0.08														
Fanö ...	29.67	55	SE	6	r	29.51	-.12	58	57	+ .8	SW	6	o	*	61	54	0.24														
BRITISH ISLANDS.																															
Sumburgh Head	29.65	51	SE	1	r	29.54	-.16	52	52	—	Z	0	f	3	55	50	0.24														
Stornoway ...	29.55	56	S	2	r	29.57	-.01	56	55	+ .1	S	2	c	2	59	50	0.40														
Wick ...	29.55	53	SE	3	o	29.58	-.05	57	56	+ .4	NW	2	o	2	57	50	0.05														
Nairn ...	29.53	58	SW	1	o	29.58	-.01	58	55	0	SW	1	c	0	65	55	0.01														
Aberdeen...	29.58	52	SE	1	of	29.60	-.08	56	55	+ .4	NW	2	c	2	56	50	0.03														
Leith ...	29.55	57	E	1	o	29.61	-.00	56	55	+ .1	W	1	cm	*	58	52	0.15														
Shields ...	29.55	57	NE	1	o	29.61	-.03	57	55	+ .4	W	1	cm	2	57	52	—														
Spurn Head ...	29.57	60	SW	1	c	29.64	+ .01	59	56	+ .3	W	3	bc	2	62	55	0.02														
York ...	29.56	64	W	1	c	29.64	+ .01	60	57	+ .4	W	3	c	*	66	54	0.01														
Loughborough	29.61	61	SW	2	c	29.71	+ .07	57	56	—	W	2	cm	*	69	62	—														
Ardrossan ...	29.55	59	N	1	c	29.66	+ .07	57	57	+ .3	W	4	b	3	62	55	—														
Malin Head ...	29.58	56	NW	1	o	29.68	+ .10	57	56	+ .1	W	3	b	3	59	55	0.19														
Mullaghmore ...	29.58	61	WNW	3	b	29.72	+ .14	59	57	+ .1	WSW	3	bc	2	64	55	0.01														
Belmullet ...	29.61	61	WNW	3	bc	29.74	+ .15	59	57	—	W	4	b	*	64	57	0.03														
Donaghadee ...	29.56	58	S	2	o	29.71	+ .11	58	57	+ .4	W	2	c	1	59	53	0.06														
Harrow-in-Furness	29.57	59	NW	2	b	29.66	+ .05	57	56	+ .1	NW	3	bc	*	60	54	—														
Liverpool (Bidston)	29.59	59	WSW	1	o	29.71	+ .08	57	55	—	W	4	o	3	65	56	0.13														
Holyhead ...	29.60	58	SW	3	c	29.75	+ .13	58	56	+ .1	NNW	4	c	4	63	54	—														
Parsonston ...	29.61	64	WSW	2	bc	29.79	+ .18	58	56	0	SSW	1	c	*	66	52	0.02														
Valencia ...	29.70	63	W	3	bc	29.87	+ .24	62	60	0	SW	2	bc	2	67	55	0.01														
Roche's Point...	29.65	61	WNW	3	r	29.89	+ .21	60	58	+ .1	W	3	b	4	64	51	0.40														
Pembroke ...	29.64	60	W	2	bc	29.83	+ .18	57	56	—	W	3	bc	4	62	56	—														
Scilly ...	29.71	60	W	5	bc	29.91	+ .23	60	57	0	W	5	bc	5	65	57	0.06														
Prawle Point ...	29.70	58	WSW	3	c	29.86	+ .15	59	58	+ .3	W	3	b	2	64	54	0.03														
Jersey ...	29.75	62	W	3	o	29.91	+ .16	61	59	+ .2	W	5	bc	4	63	57	0.05														
Hurst Castle ...	29.67	61	WNW	6	o	29.83	+ .15	60	58	+ .2	WNW	4	bc	3	64	57	0.02														
Dungeness ...	29.66	60	W	5	o	29.92	+ .08	60	57	+ .1	W	4	bc	3	64	56	0.02														
London ...	29.65	61	SW	3	c	29.75	+ .11	59	56	0	W	1	c	*	68	52	0.02														
Oxford ...	29.65	59	WSW	3	c	29.75	+ .10	58	56	+ .2	SW	4	b	*	66	52	—														
Cambridge ...	29.65	60	W	1	o	29.72	+ .10	58	57	—	SW	1	o	*	68	53	0.38														
Yarmouth ...	29.60	63	W	2	bc	29.66	+ .01	59	57	+ .1	W	3	bc	2	64	52	0.05														
Cuxhaven ...	29.73	58	SSE	3	o	29.65	-.29	62	61	+ .7	SSW	3	o	*	62	57	0.02														
Berlin ...	29.85	62	SE	4	r	29.71	-.31	62	59	+ .8	S	2	bc	*	68	52	—														
Wiesbaden ...	*	*	*	*	*	29.72	-.14	62	60	+ .4	NW	1	o	*	66	57	0.39														
Mannich ...	29.97	57	SW	1	b	29.84	-.16	64	60	+ .7	SE	2	o	*	68	52	0.08														
FRANCE & NETHERLANDS.																															
The Heider ...	29.61	60	SW	3	o	29.63	-.10	60	58	+ .1	WSW	1	c	2	63	59	0.16														
Brussels ...	*	*	*	*	*	29.71	-.02	58	56	—	WSW	5	o	*	68	56	0.08														
Cape Gris Nez...	29.67	59	WSW	7	c	29.70	+ .04	58	57	—	W	5	c	4	63	57	—														
Paris ...	29.77	66	SW	3	o	29.87	+ .11	57	55	—	W	1	o	*	76	63	0.28														
Brest ...	29.79	60	N	1	c	30.01	+ .17	60	58	+ .1	NW	5	bc	4	75	47	0.55														
Lorient ...	29.72	57	ESE	5	o	30.01	+ .19	61	59	—	NW	5	c	5	64	55	1.02														
Rochefort ...	29.92	67	SW	7	o	30.09	+ .15	64	60	—	NW	7	c	2	73	57	0.59														
Belfort ...	29.99	?	W	4	bc	29.89	-.07	64	57	+ .6	W	4	r	*	68	56	2.56														
Lyons ...	29.94	65	WSW	1	bc	29.93	-.05	64	61	+ .1	SSW	1	c	*	75	59	0.47														
Nice ...	30.03	64	SW	1	o	29.93	-.17	63	62	+ .2	SW	3	r	2	73	61	0.08														
Perpignan ...	29.96	72	NE	3	bc	29.95	-.03	72	61	+ .2	NW	8	b	*	86	64	—														
Biarritz ...	29.91	69	NNE	5	o	30.14	+ .10	66	60	—	NW	5	o	3	75	61	0.08														
PENIN- SULA.																															
Corunna ...	*	*	*	*	*	30.17	+ .03	68	66	—	NNW	4	o	2	75	66	—														
Lisbon ...	30.16	71	NNW	5	b	30.17	+ .03	68	66	—	NNW	4	o	2	75	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 WEDNESDAY, 22nd AUGUST, 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.

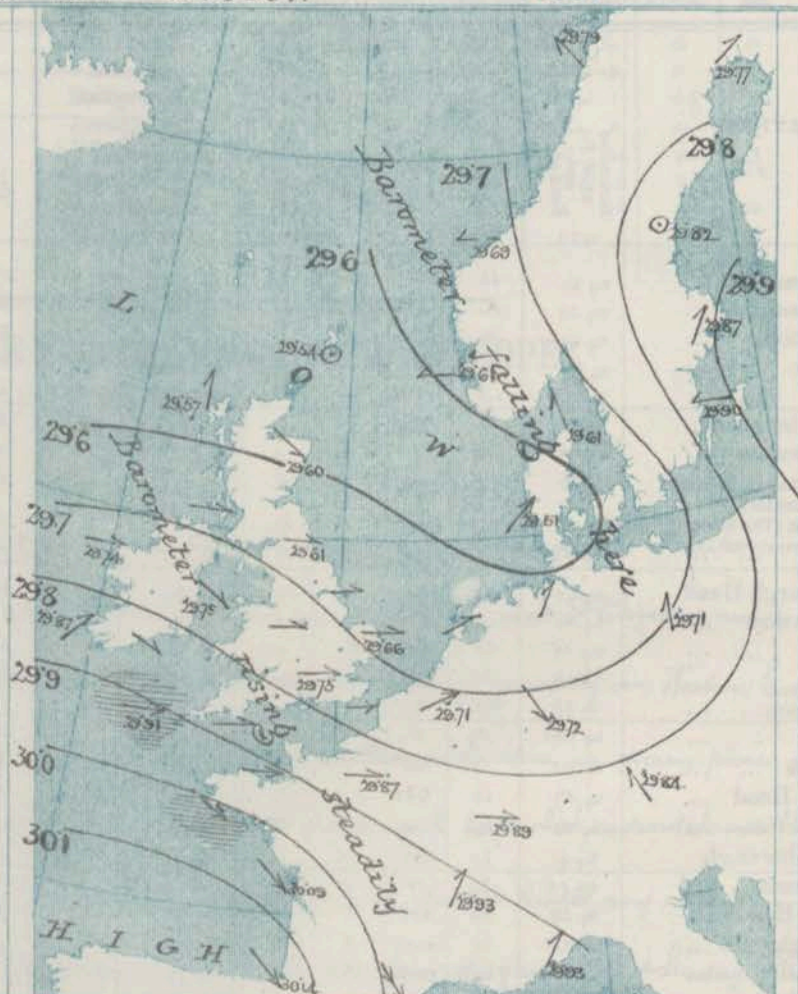
■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.815
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.960
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON.	29.952
Oxford	29.948
Cambridge	29.934
Yarmouth	29.929



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.

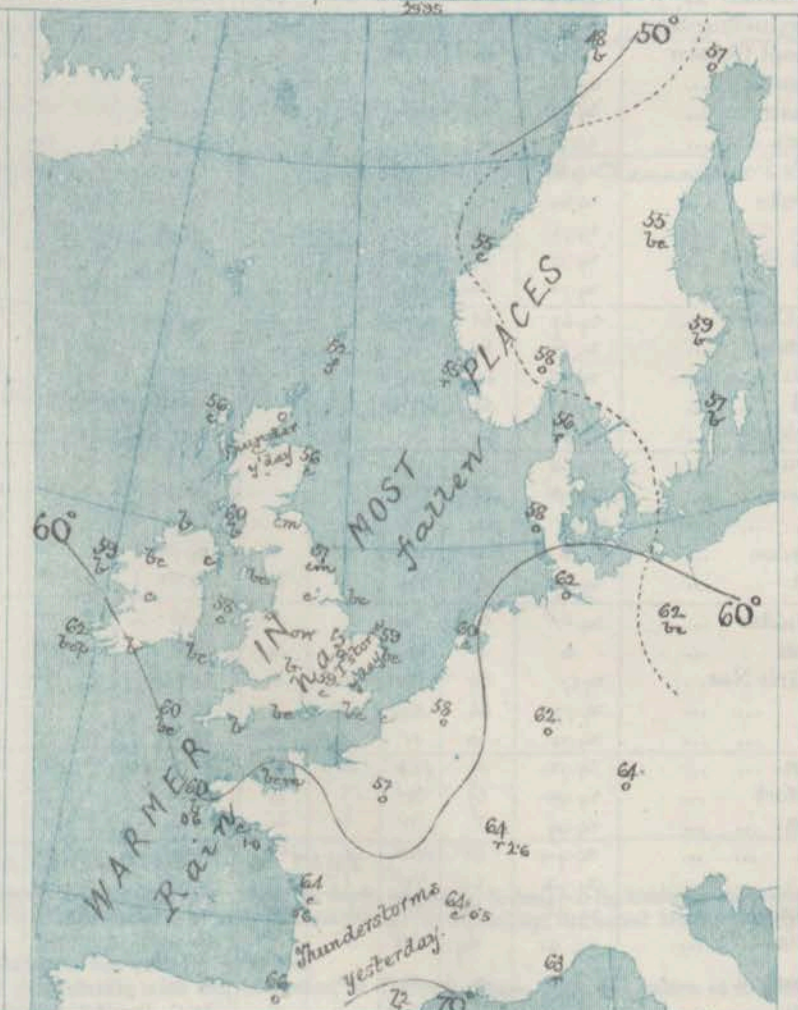
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

(for the month of August)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 5 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.3	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.85
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.01
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	62.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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	<p><u>Highest</u>, 30.1 in and more, over the Bay of Biscay and north of Spain; 29.9 in and more over the Baltic.</p> <p><u>Lowest</u>, 29.6 in and less, over the Shetlands and north of Ireland, as well as over the northern and eastern parts of the German Ocean.</p> <p><u>Gradients</u>, moderate, — for W winds over islands, and for SE winds in Norway.</p> <p><u>Baromet.</u> rising over Ireland, England, France and the Bay of Biscay.</p>
TEMPERATURE	<p><u>Highest</u>, 72° at Perpignan, 68° at Lisbon, 66° at Ouessant, 64° at Brest, 62° at Valence and Lushoven and 60° at York and Ardrossan.</p> <p><u>Lowest</u>, 68° at Bodø, 52° at Lamlough Head, 55° at Sandness and 56° at Leith.</p> <p>It is inclined to increase over Ireland and England.</p>
WIND	<p>Light from E in Norway; moderate from S in Denmark and both Germany.</p> <p>Moderate W over Ireland, England and France. Fresh W in the Channel.</p> <p>Fresh NW over the Bay of Biscay.</p>
WEATHER	<p>Dull and rainy at several northern stations and in the north east of France, showing at Valence; fair as a whole over England and Ireland.</p> <p>Heavy thunderstorms and rain have occurred over the southern half of France; showers in many parts of our islands, with thunder in several localities.</p>
SEA	<p>Rather rough at the mouth, and moderate over the other parts of the Channel, slight as smooth in the north and east.</p>


PROBABLE CHANGES IN SYSTEM NOW PREVALENT


It seems probable that the high pressure area in the south west will spread more completely over England, bringing with it finer and warmer weather.

FORECASTS

for the 24 hours ending at NOON on 23rd Aug^r 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SW ^{ly} breezes, moderate; some showers.	6 { SCOTLAND WEST	Same as N ^o 0.
1 { SCOTLAND EAST		7 { ENGLAND N.W.	NW ^{ly} to SW ^{ly} breezes, moderate; fair to rather showery.
2 { ENGLAND N.E.		8 { ENGLAND S.W.	Same as N ^o 5.
3 { ENGLAND EAST	W ^{ly} and SW ^{ly} breezes, light; fair as a whole. Warmer.	9 { IRELAND NORTH	SW ^{ly} breezes, moderate; fair in the east, showery in the west.
4 { MIDLAND COUNTIES		10 { IRELAND SOUTH	
5 { ENGLAND SOUTH	W ^{ly} breezes, fresh to moderate; fair. Warmer.	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 ...	29.95	58	54	SSE 4	0	4	Holyhead ...	29.60	61	59	SW 4	c	3
Sumburgh Head ...	29.68	53	53	SE 2	r	4	Valencia ...	29.66	65	62	W 4	bcn	4
Stornoway ...	29.56	57	57	Z 0	r	2	Scilly ...	29.69	63	61	WSW 4	op	5
Aberdeen ...	29.62	53	52	SE 2	om	3	Jersey ...	29.78	62	60	W 5	o	4
Shields ...	29.58	55	54	E 1	o	2	Dungeness ...	29.67	64	60	WSW 5	c	3
Ardrossan ...	29.56	60	58	ESE 1	c	1	London ...	29.66	65	60	WSW 2	c	*
Malin Head ...	29.58	57	57	NNW 1	c	1	Yarmouth ...	29.60	62	61	WSW 3	c	3
Mullaghmore ...	29.57	61	59	WNW 2	o	2	Rocheport ...	29.99	71	66	WNW 7	bc	2
Belmullet ...	29.59	62	58	WNW 2	c	*							

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 the southern parts of the Spanish Peninsula, and from 29.3 ins: and more over the south of France, the whole of Germany, the western Baltic, (Denmark and Sweden to rather below 29.7 ins: over southern Russia, on the one hand, and to rather below 29.6 ins: over the northwestern parts of the British Islands, on the other. Thus, while SW^{ly} to SE^{ly} winds and cold, unsettled, showery weather prevailed over Western Europe, N^{ly} breezes were felt over Poland and Western Russia, with some showers, but calm and fine weather over the intervening countries. Temperature was low everywhere. The highest individual values were 79° at Biskra (Algeria), 77° at Barcelona, 76° at Brindisi, 75° at Malta, 73° at Cagliari, 71° at C. Brann, 70° at Perpignan, 69° at Trieste, Languinaire, Ajaccio, and Lisbon; the lowest were 44° at Moscow, 43° at Brest, 50° at Helsingfors and Uleaborg, 51° at Christiansund and 52° at Aberdeen.

The barometer subsequently rose in the west. Showers fell in many parts of the British Isles and severe thunderstorms occurred over the western and southern part of France.

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, 23rd August 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.	Sum. 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 ..	29.71	54	SW	2	bc	29.65	- .12	58	57	+ .1	SSW	2	0	*	63	48	-													
Hernösand ...	29.77	56	S	2	0	29.76	- .06	57	54	+ .2	SSW	2	0	*	64	46	-													
Stockholm ...	29.80	55	SW	2	0	29.69	- .18	59	56	0	SE	2	1	*	68	46	-													
Wisby ...	29.72	56	SSW	4	c	29.67	- .23	59	56	+ .2	S	4	0	*	63	54	-													
Bodö ...	29.71	48	NE	2	r	29.73	- .06	48	45	0	NNE	2	bc	1	50	45	0.16													
Christiansund...	29.64	54	ESE	1	c	29.68	- .01	54	51	- .1	ESE	1	0	0	59	48	-													
Skudesnaes ...	29.63	55	NNE	1	r	29.73	+ .12	54	53	- .1	WNW	2	1	2	59	?	-													
Christiania Fjord	29.57	58	ESE	5	0	29.61	- .10	56	55	- .2	NNE	3	0	1	?	55	0.63													
(Fjord)																														
Skagen (The Seaw)	29.59	58	S	1	0	29.61	0.0	55	55	- .1	W	3	0	2	61	54	0.20													
Fanö ...	29.67	56	WSW	4	c	29.78	+ .27	57	54	- .1	WNW	4	c	*	61	55	0.04													
BRITISH ISLANDS.																														
Sumburgh Head	29.59	50	W	1	r	29.67	+ .13	51	50	- .1	Z	0	0	1	53	47	0.16													
Stornoway ...	29.64	62	SW	2	bc	29.54	- .03	55	54	- .1	SE	2	0	2	62	45	0.60													
Wick ...	29.67	60	NW	2	bc	29.64	+ .06	53	52	- .4	S	2	0	1	64	45	-													
Nairn ...	29.68	58	Z	0	c	29.61	+ .03	60	55	+ .2	Z	0	c	1	67	51	0.07													
Aberdeen...	29.71	56	ESE	1	c	29.69	+ .09	55	52	- .1	S	1	c	1	63	47	0.41													
Leith ...	29.73	64	W	2	bc	29.67	+ .06	60	57	+ .4	SE	1	c	*	69	49	-													
Shields ...	29.74	64	WSW	3	c	29.76	+ .15	58	55	+ .1	SSW	2	c	2	67	54	-													
Spurn Head ...	29.80	62	WNW	4	b	29.85	+ .21	56	54	- .3	SSW	3	bc	2	64	53	-													
York ...	29.80	64	W	4	b	29.83	+ .19	55	53	- .5	SSE	1	m	*	69	48	0.10													
Loughborough	29.86	64	W	2	bc	29.87	+ .16	57	56	0	S	3	ow	*	68	54	-													
Ardrossan ...	29.75	61	SSW	3	b	29.63	- .03	58	58	- .2	SSE	2	dm	1	70	53	0.02													
Malin Head ...	29.73	60	W	3	b	29.48	- .20	59	58	- .2	S	5	og	4	62	55	0.06													
Mullaghmore ...	29.76	62	SW	1	cm	29.47	- .25	63	60	+ .4	SSW	5	og	4	64	57	0.03													
Belmullet ...	29.76	61	WSW	4	0	29.45	- .29	58	56	- .1	S	3	0	*	63	57	0.29													
Donaghadee ...	29.79	58	SE	1	bc	29.62	- .09	58	58	0	SW	3	0	1	69	56	0.06													
GERMANY.																														
Barrow-in-Furness	29.81	60	SW	2	bc	29.75	+ .09	56	55	- .1	SE	5	0	*	61	55	-													
Liverpool (Bidston)	29.85	64	WSW	2	b	29.77	+ .06	56	55	- .1	SE	3	0	3	64	53	0.04													
Holyhead ...	29.85	59	SSW	4	b	29.71	- .04	59	59	+ .1	SSW	4	m	4	64	56	0.03													
Parsonstown ...	29.81	66	SW	2	bc	29.57	- .22	62	59	+ .4	SE	4	0	*	67	57	-													
Valencia ...	29.80	62	S	5	om	29.48	- .29	62	61	0	SE	6	mru	6	65	60	0.19													
Roche's Point...	29.84	61	SW	4	0	29.60	- .23	60	60	0	SSW	6	r	5	65	58	0.85													
Pembroke ...	29.92	59	WSW	3	bc	29.77	- .06	59	59	+ .2	SSW	4	og/p	4	61	57	0.09													
Scilly ...	29.96	63	SW	5	c	29.78	- .13	61	60	+ .1	SSW	6	0	5	66	59	0.03													
Prawle Point ...	30.00	58	WSW	4	bc	29.90	+ .04	58	58	- .1	SSW	4	m	3	64	56	0.03													
Jersey ...	30.05	63	W	4	b	29.99	+ .08	63	60	+ .2	SSW	4	bc	3	65	57	-													
FRANCE & NETHERLANDS.																														
Hurst Castle ...	29.96	61	W	6	bcq	29.94	+ .11	59	59	- .1	SW	6	adm	4	69	58	0.01													
Dungeness ...	29.88	62	W	5	c	29.95	+ .23	60	58	0	WSW	5	0	4	67	56	0.06													
London ...	29.90	65	W	2	b	29.94	+ .19	60	58	+ .1	S	2	m/p	*	70	50	-													
Oxford ...	29.95	58	WSW	5	b	29.89	+ .14	59	57	+ .1	S	3	0	*	69	51	-													
Cambridge ...	29.85	64	W	1	b	29.91	+ .19	57	57	- .1	S	1	0	*	68	48	0.04													
Yarmouth ...	29.82	63	NW	3	bc	29.90	+ .24	61	58	+ .2	WSW	2	b	2	67	51	0.01													
Guxhaven ...	29.73	56	WNW	3	0	29.88	+ .23	59	56	- .3	WNW	3	0	*	62	57	-													
Berlin ...	29.73	60	WNW	1	0	29.89	+ .18	59	56	- .3	WNW	2	0	*	72	55	0.24													
Wiesbaden ...	*	*	*	*	*	30.08	+ .36	59	56	- .3	W	2	0	*	68	50	0.24													
Munich ...	30.03	55	W	4	c	30.17	+ .33	56	53	- .8	SW	5	0	*	64	52	0.74													
PENINSULA.																														
The Helder ...	29.81	60	W	3	c	29.93	+ .30	60	57	0	WSW	1	b	2	63	59	-													
Brussels ...	*	*	*	*	*	30.06	+ .35	58	56	0	SSW	4	0	*	67	55	0.04													
Cape Gris Nez...	29.88	61	WSW	7	c	29.97	+ .27	58	57	0	W	4	0	4	64	57	-													
Paris ...	30.03	64	W	3	bc	30.10	+ .23	51	50	- .6	S	1	b	4	71	48	-													
Brest ...	30.12	64	W	3	c	29.99	- .02	60	58	0	SW	5	0	5	77	46	-													
Lorient ...	30.10	63	WNW	5	b	30.03	+ .02	63	60	+ .2	SW	4	0	5	64	59	-													
Rochefort ...	30.19	66	WNW	5	b	30.14	+ .05	60	59	- .4	SE	4	b	3	70	55	-													
Belfort ...	30.04	67	W	1	c	30.22	+ .33	62	56	- .2	E	1	c	*	69	55	0.43													
Lyons ...	30.12	64	NW	1	b	30.14	+ .21	59	56	- .5	N	1	bc	*	68	51	-													
Nice ...	29.82	70	SW	1	b	30.00	+ .07	63	61	0	NE	3	b	1	72	57	0.47													
Perpignan ...	30.08	73	N	4	c	30.12	+ .17	65	59	- .7	W	3	c	*	79	54	-													
Biarritz ...	30.20	69	NW	3	b	30.08	- .06	59	57	- .7	ESE	3	f	2	72	54	-													
Corunna ...	*	*	*	*	*																									
Lisbon ...	30.12	68	WSW	7	b	30.06	- .11	62	59	- .6	NW	3	b	2	81	59	-													

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts on p. 4.

WEATHER CHARTS

for 8 a.m. on Thursday, 23rd August.

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.

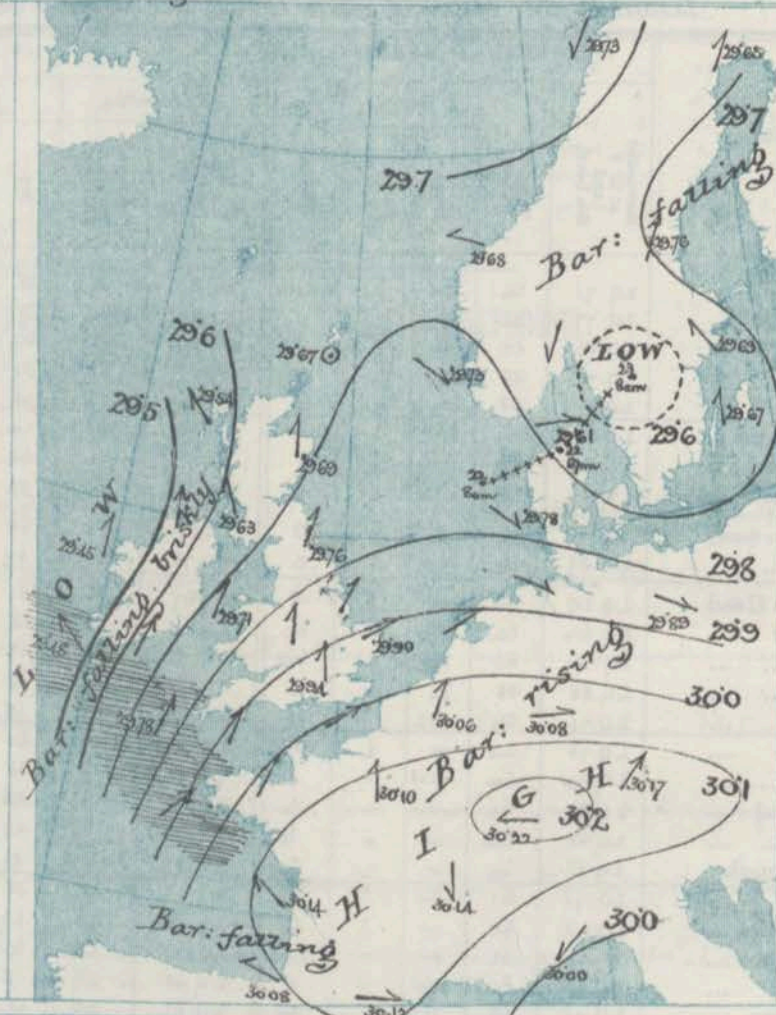
■ = Rough ■ = High

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of August

During the 15 Years 1871 — 1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.978
Hurst Castle	29.980
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



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 August.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

NOTE — The Temperature means are for the 15 years 1871 — 85, the Rainfall means are mainly those for the 30 years 1858 — 85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.22 ins at Belfast, 30.1 ins: and upwards, over the greater part of France and South Germany.
 Lowest, 29.5 ins: and less, in a depression lying off the west of Ireland; 29.6 ins: and less in another lying over the south of Sweden.
 Gradients rather steep on our western coast, but moderate or slight elsewhere.
 Barometer falling quickly in the west and southwest, but rising a little in the east.

TEMPERATURE

Highest, 65° at Lerpignan, 63° at Mullaghmore, Jersey, Lorient, and Nice, and 62° at Larzac, Valencia, Belfast and Lisbon.
 Lowest, 48° at Bodo, 51° at Sumburg Ht., 53° at Mick, and 54° at Christiansund and Skudenose.

WIND

Fresh or strong from the SEnd or Snd on our west and southwest coasts, light or moderate from SW. in the east and southeast.
 Light from W. or NW. over Germany and the eastern shores of the North Sea; S^{ly} in Sweden.
 A fresh gale from S. was experienced last night in the south of Ireland.

WEATHER

Fine in the east of England and the central and southern parts of France, but cloudy or overcast elsewhere.
 Rain is falling at several of our southwestern and southern stations as well as at Stockholm.
 Showers fell yesterday in many parts of the United Kingdom.

SEA

Rough on our southwest coasts but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the west of Ireland will probably travel northwards, and a further increase of wind from the Snd is likely on all our west and southwest coasts, with showers in most districts.

FORECASTS

for the 24 hours ending at NOON on 24th August 1888.

DISTRICTS.

FORECASTS.

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

$S^{\frac{1}{2}}$ winds, freshening, fair to unsettled and some rain.
 $S^{\frac{1}{2}}$ and $SW^{\frac{1}{2}}$ winds, increasing in force; squally, some rain.

DISTRICTS.

FORECASTS.

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

$SE^{\frac{1}{2}}$ and $S^{\frac{1}{2}}$ winds, increasing in force, perhaps a gale; squally, some rain.
 $S^{\frac{1}{2}}$ to $SW^{\frac{1}{2}}$ strong winds and gales; squally and rainy at first, some improvement later.
 The south cone was hoisted last evening in districts 8, 10, and part of 5, and this morning in districts 6, 7, and 9.

WARNINGS

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.63	59	54	NE 2	r	3	Holyhead ...	29.84	64	59	SW 3	b	2
Sumburgh Head ...	29.55	52	52	SE 0	o	3	Valencia ...	29.87	64	61	S 5	b m	4
Stornoway ...	29.62	58	57	SW 2	o	2	Scilly ...	29.98	66	62	WSW 4	bc	4
Aberdeen ...	29.66	57	55	S 1	cp	2	Jersey ...	30.02	64	61	W 5	bc	4
Shields ...	29.69	65	59	WSW 1	cp	2	Dungeness ...	29.82	61	60	WSW 5	r	4*
Ardrossan ...	29.72	62	60	W 4	b	3	London ...	29.84	68	61	W 3	e	
Malin Head ...	29.73	61	58	W 4	c	4	Yarmouth ...	29.75	65	60	WSW 2	bc	2
Mullaghmore ...	29.77	63	59	W 3	bc	2	Rochefort ...	30.16	69	63	WSW 7	bc	3
Belmullet ...	29.79	63	58	WSW 3	bc	*							

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

The reports for yesterday morning showed that pressure varied from between 30.00 ins: and 30.15 ins: over Spain and the southern part of the Bay of Biscay, and from a little above 30.0 ins: over the Black Sea and southern Russia to rather below 29.6 ins: in a hollow which lay over the northern parts of Scotland and the North Sea, and to about 29.8 ins: over Austria-Hungary, Germany, the Baltic, Sweden and the eastern shore of the North Sea the wind was light from between S. and E. and the weather was cloudy wet and unsettled; while over the British Isles and France the wind was mainly W², and the weather (after being unsettled and thundery generally and very rainy in France) was clearing up slowly. Temperature was not undergoing any great change, and was still low for the time of year on the Continent. The highest readings recorded at 8 am were 81° at Biskra (Algeria) 79° at Palma, 77° at Malta, 75° at Brindisi, Cagliari, and Barcelona, 72° at Perpignan and 66° at Biarritz; the lowest were 48° at Bodo, Archangel, and Uleaborg, 45° at Moscow and Kief, 51° at Kuspio, St. Petersburg and Narva.

Later in the day the sky cleared over the greater part of Western Europe, but at Valencia the barometer began to fall again towards night, and the wind there backed to S. again with rain.

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, 24th August 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 8 P.M. 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 ..	29.77	53	NZ	2	r	29.86	+ .21	49	48	- .9	NE	4	bc	*	63	54	0.04	
Hernösand ...	29.75	54	Z	0	r	29.86	+ .10	55	54	- .2	Z	0	r	*	59	52	0.24	
Stockholm ...	29.62	55	Z	0	r	29.80	+ .11	55	53	- .4	NNW	2	o	*	63	52	0.28	
Wisby ...	29.72	58	SSE	4	c	29.87	+ .20	59	57	0	WNW	4	o	*	64	55	0.16	
Bodö ...	29.85	48	N	2	b	29.91	+ .18	48	44	0	NE	2	b	1	58	39	-	
CHRISTIANIA.																		
Christiansund...	29.77	53	ENE	2	c	29.79	+ .11	55	52	+ .1	ENE	2	bc	1	59	50	-	
Skudesnaes ...	29.82	55	SSE	2	bc	29.79	+ .06	57	55	+ .3	SSE	1	r	4	57	54	-	
Christiania Fjord (Farder)	29.75	59	WSW	3	c	29.86	+ .25	59	57	+ .3	SW	3	b	2	59	?	-	
Skagen (The Scaw)	29.75	55	NW	1	b	29.92	+ .31	58	55	+ .3	W	2	bc	2	64	52	-	
Fanö ...	29.91	55	WSW	1	b	29.93	+ .15	61	60	+ .4	SSW	3	c	*	61	55	-	
IRELAND.																		
Sumburgh Head	29.63	53	SSE	3	r	29.42	- .25	55	54	+ .4	SSE	5	o	5	56	51	0.24	
Stormoway ...	29.32	57	SE	2	r	29.26	- .28	57	54	+ .2	SW	4	o	6	58	53	0.55	
Wick ...	29.47	57	S	5	o	29.43	- .21	55	54	+ .2	S	3	o	4	58	53	0.25	
Nairn ...	29.45	58	SSW	2	r	29.37	- .24	58	55	- .2	SW	2	bc	1	66	58	0.06	
Aberdeen...	29.58	56	S	3	r	29.48	- .21	57	55	+ .2	S	5	o	4	61	55	0.12	
SCOTLAND.																		
Leith ...	29.56	61	SW	3	o	29.46	- .21	61	57	- .1	SW	3	o	*	64	59	0.01	
Shields ...	29.65	61	S	4	r	29.55	- .21	58	56	0	S	4	r	2	64	56	0.04	
Spurn Head ...	29.79	61	S	4	c	29.66	- .19	59	57	+ .3	SSE	5	cu	3	63	54	0.02	
York ...	29.73	62	SSE	3	o	29.60	- .23	59	57	+ .4	S	4	o	*	64	54	0.01	
Loughborough	29.78	63	S	3	c	29.63	- .24	59	58	+ .2	SE	2	o	*	65	56	-	
ENGLAND.																		
Ardsrossan ...	29.47	59	SSE	5	o	29.44	- .19	58	57	0	S	4	o	3	60	56	0.16	
Malin Head ...	29.17	60	S	7	o	29.34	- .14	57	54	- .2	SSW	4	b	3	64	53	0.05	
Mullaghmore ...	29.12	61	SSE	9	c	29.33	- .14	58	54	+ .5	SSE	6	b	5	65	54	0.35	
Belmullet ...	29.04	59	SSE	9	o	29.28	- .17	59	55	+ .1	SSE	4	c	*	62	55	0.47	
Donaghadee ...	29.42	59	SW	7	o	29.45	- .17	58	56	0	SW	4	o	3	60	55	0.03	
WALLES.																		
Barrow-in-Furness	29.61	63	SE	5	c	29.51	- .24	58	58	+ .2	SE	4	r	*	63	56	0.27	
Liverpool (Bidston)	29.63	63	SE	3	o	29.55	- .22	59	58	+ .3	SE	2	r	3	64	56	0.10	
Holyhead ...	29.56	61	S	6	o	29.49	- .22	58	58	- .1	SSW	3	m	4	62	56	0.26	
Parsonstown ...	29.28	62	SE	5	o	29.38	- .19	57	54	- .5	SE	4	b	*	62	53	0.03	
Valencia ...	29.21	61	S	8	o	29.26	- .22	60	58	- .2	SSE	6	am	6	63	56	0.81	
FRANCE.																		
Roche's Point...	29.37	61	SSW	8	r	29.36	- .24	60	58	0	SSW	3	bc	5	63	56	0.25	
Pembroke ...	29.57	60	S	7	o	29.49	- .28	59	58	0	S	5	oq	6	62	58	0.20	
Scilly ...	29.60	61	S	8	o	29.51	- .27	61	57	0	SSW	5	o	5	65	57	0.18	
Prawle Point ...	29.78	59	SSE	3	bc	29.61	- .29	57	57	- .1	S	2	rm	2	61	56	0.09	
Jersey ...	29.86	69	SSE	3	b	29.68	- .31	63	61	0	SSE	5	cq	4	70	60	-	
GERMANY.																		
Hurst Castle ...	29.84	62	S	5	bc	29.66	- .28	63	61	+ .4	SSW	5	cq	4	65	59	0.01	
Dungeness ...	29.91	63	WSW	3	b	29.73	- .22	62	59	+ .2	S	4	b	3	65	59	-	
London ...	29.86	63	SSE	4	c	29.69	- .25	65	60	+ .5	SE	3	bc	*	65	55	-	
Oxford ...	29.80	60	S	3	bc	29.64	- .25	60	57	+ .1	SSE	3	c	*	65	56	0.01	
Cambridge ...	29.84	62	S	1	c	29.66	- .25	64	61	+ .7	S	1	c	*	66	54	0.03	
NETHERLANDS.																		
Yarmouth ...	29.88	62	SSW	2	r	29.75	- .15	62	60	+ .1	S	4	b	3	65	57	0.04	
SPAIN.																		
Cuxhaven ...	29.96	59	W	2	b	30.00	+ .12	61	59	+ .2	S	1	o	*	62	59	-	
Berlin ...	30.01	59	Z	0	o	30.08	+ .19	57	56	- .2	S	1	b	*	66	54	0.08	
Wiesbaden ...	*	*	*	*	*	30.01	- .07	57	55	- .2	Z	0	b	*	68	48	-	
Munich ...	30.15	57	NE	1	b	30.10	- .07	54	52	- .2	E	2	b	*	66	43	-	
PORTUGAL.																		
The Helder ...	29.94	60	S	1	b	29.86	- .07	61	58	+ .1	SSE	3	b	2	64	57	-	
Brussels ...	*	*	*	*	*	29.87	- .19	63	58	+ .5	SE	4	b	*	69	57	-	
Cape Gris Nez...	29.91	61	SSW	1	bc	29.75	- .22	61	58	+ .3	S	5	b	2	68	57	-	
Paris ...	29.98	66	S	3	bc	29.86	- .24	59	56	+ .8	SSE	3	b	*	73	?	-	
Brest ...	29.84	62	SW	7	b	29.70	- .29	60	59	0	SSW	5	r	5	77	46	0.16	
FRANCE & NETHERLANDS.																		
Lorient ...	29.87	65	S	7	b	29.68	- .25	65	63	+ .2	SW	7	c	5	70	63	-	
Roche fort ...	29.94	73	SE	4	b	29.77	- .37	63	60	+ .3	SSE	5	b	2	84	57	-	
Belfort ...	30.15	69	E	1	b	30.07	- .15	63	61	+ .1	E	4	b	*	70	59	-	
Lyons ...	30.02	69	E	1	b	29.95	- .19	65	57	+ .6	S	1	b	*	72	53	-	
Nice ...	30.01	72	SW	1	b	30.06	+ .06	65	53	+ .2	E	4	b	0	77	59	-	
PORTUGAL.																		
Perpignan ...	29.99	68	E	3	b	29.95	- .17	67	65	+ .2	Z	0	o	*	78	59	-	
Biarritz ...	29.88	81	SSE	5	b	29.74	- .24	78	66	+ .19	S	5	b	1	86	?	-	
PORTUGAL.																		
Corunna ...	*	*	*	*	*	29.76	- .13	62	61	0	WSW	3	r	2	81	57	1.06	
Lisbon ...	29.99	68	WSW	5	b	29.93	- .13	68	67	+ .6	SSW	5	o	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 Friday, 24th AUGUST, 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isolars 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.

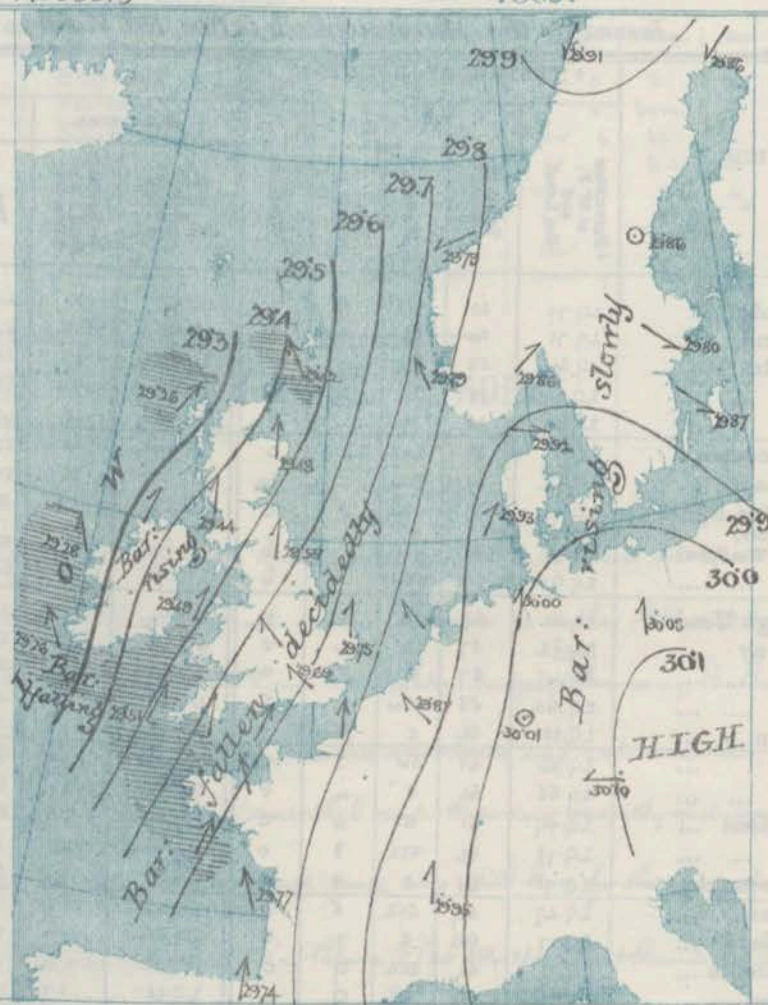
— = Rough, — = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of August

During the 15 Years 1871–1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.908
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



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.

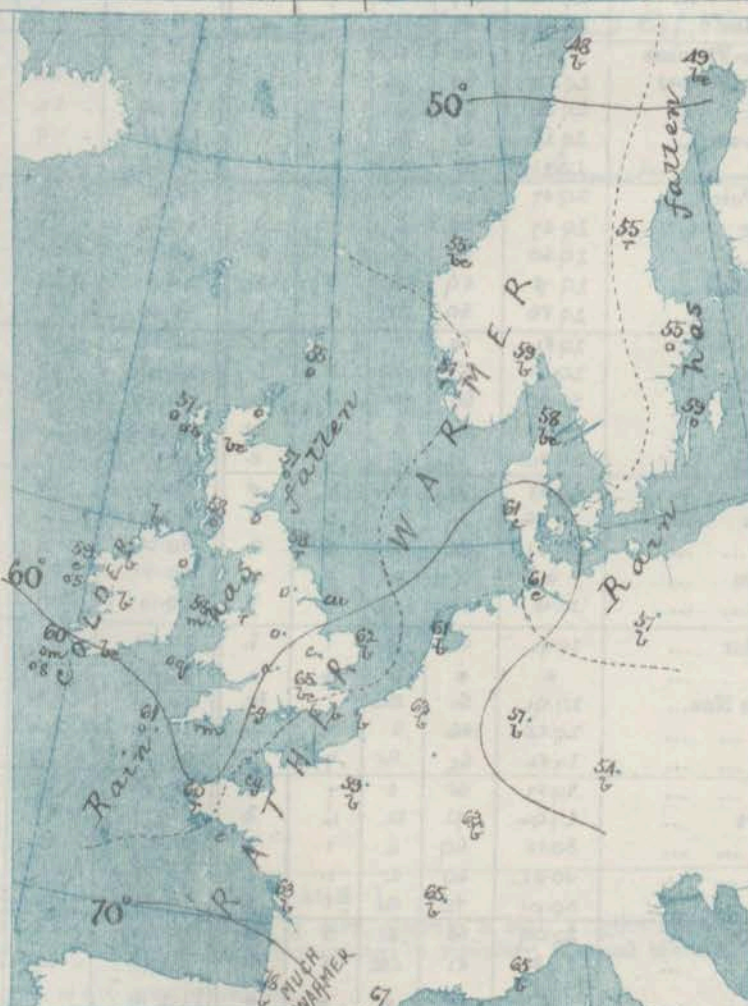
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of August.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max	Daily Min	Dry at 8 a.m.	Wet.	
Sumburgh Head	57.9	48.5	55.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.85
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	61.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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, 30.10 in: at Munich, 30.0 in: and upwards over Germany and the east of France. Lowest, 29.3 in: and less, on the west coast of Ireland and Scotland. Gradients rather steep generally. Barometer falling at all but the Scandinavian and extreme northern stations.
TEMPERATURE	{ Highest, 78° at Biarritz, 68° at Lisbon, 67° at Perpignan and 65° in London and at Lorient, Lyons and Nice. Lowest, 48° at Bodo, 49° at Haparanda, and 55° at Helsingfors, Stockholm, Christiansund, Lumburg, H ^o and N ^o .
WIND	{ Moderate to strong from the SE th or S th generally, but light from NE. in the north of Scandinavia. Strong S th gales were experienced in Ireland yesterday, and moderate to fresh gales in the west and north generally.
WEATHER	{ Fine generally, but rainy over the north of England and the mouth of the Channel, as well as at some of the Scandinavian stations. Heavy rain fell yesterday in several parts of our western and northern districts.
SEA	{ Rough on our southwestern and extreme northern coast, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed to the westward of our Islands yesterday has travelled away in a northerly direction, but the barometer is again falling at Valencia, so that fresh disturbances are probably advancing from the Atlantic.

The indications are in favour of a renewal of strong winds or gales in the west and north, and the warnings are, therefore, left up for the present.

FORECASTS

for the 24 hours ending at NOON on 25th August. 1888.

DISTRICTS.		FORECASTS.	
† 0	{ SCOTLAND NORTH	{ S th to SE th winds, strong; unsettled, some rain.	{
† 1	{ SCOTLAND EAST		
2	{ ENGLAND N. E.	{ S th winds, fresh; fair at first, unsettled later, possibly thunder.	{
3	{ ENGLAND EAST		
4	{ MIDLAND COUNTIES		
† 5	{ ENGLAND SOUTH		

DISTRICTS.		FORECASTS.	
† 6	{ SCOTLAND WEST	{ SE th and S th winds, moderate to strong; changeable, some rain.	{
† 7	{ ENGLAND N. W.		
† 8	{ ENGLAND S. W.	{ SE th and S th winds, increasing in force, unsettled, some rain.	{
† 9	{ IRELAND NORTH		
† 10	{ IRELAND SOUTH		
WARNINGS		The south cone is still flying in districts 0, 1, 6 to 10 and part of 5.	

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.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	29.81	57	54	WSW 1	0 f	2	Holyhead ...	29.65	60	59	S 5	0 f g m	5
Sumburgh Head ...	29.67	54	52	SE 1	0	2	Valencia ...	29.25	63	61	SSE 9	0	7
Stornoway ...	29.65	56	56	SE 2	r	3	Scilly ...	29.69	65	61	S 8	0	6
Aberdeen ...	29.66	57	55	SSE 3	om r	2	Jersey ...	29.91	69	64	SE 4	bc	3
Shields ...	29.70	63	60	SSW 4	0	2	Dungeness ...	29.96	62	59	WSW 4	c	4
Ardrossan ...	29.56	59	58	SSE 5	r	4	London ...	29.91	64	61	SW 4	0 p	4
Malin Head ...	29.34	62	60	SSE 6	0	4	Yarmouth ...	29.89	65	62	SSW 4	bc	3
Mullaghmore ...	29.20	60	59	SSE 7	0 r	5	Rochefort ...	30.03	72	68	SSE 5	6	2
Belmullet ...	29.16	61	60	SSE 5	r	*							

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

The reports for yesterday morning showed that anticyclonic systems, with readings above 30.1 in: were lying respectively over France and South Germany and over the south of Russia. The lowest ^{readings} 29.5 in: and less were found in a rather deep depression which lay off the west of Ireland, while relatively low readings, 29.6 in: and less, were reported in other depressions lying over Northern Russia and the south of Sweden. The wind was S² or SE² over the greater part of our Islands and France, and strong in force on our southwest coast. Over the eastern shores of the North Sea, however, and the neighbourhood of the White Sea light breezes from W. or NW. were reported, while over southern Europe the winds were somewhat variable. The weather was fine over all the more southern countries, but cloudy or overcast elsewhere, with rain over North Germany and the southern parts of our Islands and Scandinavia. Temperature had changed little and irregularly, and readings ranged from 70° and upwards at several of the Spanish, Italian and Algerian stations to 50° or less over the northern parts of Scandinavia and Russia; the highest individual readings were 88° at Biskra, 77° at Algiers, 76° at Brindisi, Cagliari, Malta, La Calle and Tunis, and 75° at Oran and Leflonat; the lowest were 47° at Archangel, 48° at Rode, 50° at Moscow, 51° at Uleaborg, and 53° at Charkov and Niik.

In the course of the day the depression off our western coasts increased in intensity and moved slowly northwards. The wind rose to a strong gale from the S² in Ireland and to a moderate or fresh gale from the same quarter in the west and north generally, with rain at all but 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 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, 25th August

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 55° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.															
			Direc.	Force. (0 to 12.)		Reading at 55° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.													
SCANDINAVIA.																														
Haparanda ..	30.02	49	NNE	2	b	30.20	+0.34	51	50	+2	E	2	bc	*	59	44	-													
Hernösand ...	30.08	50	W	0	b	30.20	+0.34	57	52	+2	E	2	o	*	68	48	-													
Stockholm ...	30.04	55	W	0	p	30.18	+0.38	61	55	+6	ESE	2	b	*	66	50	-													
Wisby ...	29.88	55	ESE	2	b	30.18	+0.31	62	59	+3	S	4	c	*	64	54	-													
Bodö ...	29.88	52	E	2	o	29.86	-0.05	56	53	+3	ESE	2	r	1	7	45	0.12													
Christiansund...	29.76	57	E	6	o	29.75	-0.04	62	56	+7	ESE	1	c	1	63	7	0.04													
Skudesnaes ...	29.80	61	SSE	8	o	29.75	-0.04	64	58	+7	SE	6	o	5	7	57	-													
Christiania Fjord (Færder)	29.97	58	SSE	4	o	30.02	+0.16	60	57	+1	SE	5	bc	2	7	57	-													
Skagen (The Scaw)	29.98	58	S	2	b	29.97	+0.05	60	57	+2	SSE	4	b	3	63	57	-													
Fanö ...	29.86	60	SE	6	b	29.79	-0.14	64	59	+3	SE	5	b	*	68	59	-													
BRITISH ISLANDS.																														
Sumburgh Head	29.51	54	SSE	2	o	29.54	+0.12	53	53	-2	S	1	f	4	57	51	0.02													
Stornoway ..	29.36	59	SW	3	b	29.49	+0.23	57	56	0	SW	4	o	4	62	50	0.05													
Wick ...	29.43	57	S	2	o	29.54	+0.11	60	57	+5	S	3	b	2	60	52	-													
Nairn ...	29.40	64	W	0	c	29.52	+0.15	58	55	0	W	0	b	0	60	51	-													
Aberdeen...	29.51	56	S	2	om	29.59	+0.11	61	57	+4	S	1	b	2	61	50	-													
Leith ...	29.46	62	SW	2	c	29.60	+0.14	65	59	+4	S	1	cm	*	65	48	-													
Shields ...	29.52	61	SSW	3	or	29.62	+0.07	55	52	-3	SW	1	cm	2	60	52	0.10													
Spurn Head ...	29.58	61	S	3	r	29.67	+0.01	58	57	-1	SW	2	c	2	70	56	0.56													
York ...	29.55	62	S	1	m	29.65	+0.05	56	55	-3	SSW	1	b	*	63	52	0.09													
Loughborough	29.59	62	SSW	1	r	29.65	+0.05	58	56	-1	SW	2	bc	*	65	55	0.04													
ARDROSSAN ...	29.42	60	S	2	c	29.59	+0.15	59	57	+1	S	1	o	1	64	56	-													
Malin Head ...	29.28	60	S	6	bcp	29.52	+0.18	57	55	0	S	3	og	3	66	54	0.08													
Mullaghmore ...	29.29	65	SSW	4	bc	29.53	+0.20	61	57	+3	N	1	bcw	2	65	53	-													
Belmullet ...	29.28	61	SW	4	b	29.56	+0.28	59	57	0	WSW	3	c	*	64	53	0.02													
Donaghadee ...	29.40	59	SW	5	og	29.59	+0.14	58	57	0	SSW	3	bc	1	62	56	-													
Barrow-in-Furness	29.49	61	ESE	5	o	29.59	+0.08	57	56	-1	E	4	bc	*	62	54	0.49													
Liverpool (Bidston)	29.51	64	ESE	1	r	29.64	+0.09	59	56	0	SE	2	c	3	64	52	0.22													
Holyhead ...	29.48	59	SSW	3	bc	29.60	+0.11	60	58	+2	SSE	3	c	3	63	56	0.16													
Parsonstown ...	29.35	64	SE	3	b	29.56	+0.18	55	54	-2	W	0	b	*	68	49	0.02													
Valencia ...	29.28	61	SSE	5	bcm	29.61	+0.35	61	57	+1	WSW	2	bc	3	63	49	0.01													
Roche's Point...	29.37	60	SSW	5	c	29.58	+0.22	56	54	-4	WSW	3	b	4	63	52	0.20													
Pembroke ...	29.49	59	S	3	b	29.58	+0.09	59	58	0	S	3	bcyp	5	62	57	0.03													
Scilly ...	29.49	61	SSW	5	bc	29.58	+0.07	63	60	+2	WSW	2	c	6	66	56	0.01													
Prawle Point ...	29.55	57	S	3	o	29.67	+0.06	58	58	+1	S	3	bc	4	59	52	0.07													
Jersey ...	29.63	64	SW	3	opm	29.70	+0.02	62	59	-1	S	4	b	3	66	57	0.04													
HURST CASTLE ...	29.61	60	WSW	1	cr	29.70	+0.04	63	60	0	SW	3	bm	2	64	59	0.09													
Dungeness ...	29.58	68	S	1	bc	29.72	-0.01	60	59	-2	WSW	3	c	2	70	59	0.03													
London ...	29.60	62	W	2	org	29.70	+0.01	62	60	-3	SW	1	bc	*	75	55	0.20													
Oxford ...	29.60	59	S	1	o	29.70	+0.06	58	56	-2	S	2	o	*	66	53	0.08													
Cambridge ...	29.59	65	S	1	o	29.70	+0.04	60	59	-4	S	1	o	*	75	54	0.35													
Yarmouth ...	29.64	65	S	3	bc	29.71	-0.04	60	59	-2	WSW	1	cm	3	65	58	0.20													
Cuxhaven ...	29.92	62	SSE	3	b	29.84	-0.16	63	61	+2	SSE	4	b	*	69	60	-													
Berlin ...	30.00	66	E	2	b	29.98	-0.10	62	58	+5	SE	3	b	*	73	57	-													
Wiesbaden ...	*	*	*	*	*	29.84	-0.17	62	59	+5	W	0	b	*	73	54	-													
Munich ...	29.98	58	E	3	b	29.93	-0.17	54	53	0	NW	2	b	*	72	46	-													
FRANCE & NETHERLANDS.																														
The Helder ...	29.68	67	SE	1	b	29.70	-0.16	63	61	+2	WSW	1	c	2	75	61	-													
Brussels ...	*	*	*	*	*	29.78	+0.11	62	61	-1	S	3	r	*	79	61	0.16													
Cape Gris Nez...	29.56	72	S	4	c	29.71	-0.04	61	61	0	S	1	o	7	81	61	-													
Paris ...	29.67	75	S	3	b	29.81	-0.05	61	60	+2	SW	1	c	*	81	61	0.24													
Brest ...	29.68	62	SW	5	b	29.70	-0.00	59	58	-1	SW	4	c	5	77	46	0.08													
Lorient ...	29.69	63	WSW	7	bc	29.71	+0.03	62	59	-3	SW	5	c	7	66	57	0.47													
Rocheport ...	29.78	67	W	5	o	29.86	+0.09	64	61	+1	WSW	5	e	2	77	59	0.20													
Belfort ...	30.01	73	E	1	b	29.99	-0.08	66	61	+3	W	7	r	*	77	54	0.35													
Lyons ...	29.83	72	S	7	b	29.89	-0.06	59	58	-6	SE	1	o	*	79	59	0.59													
Nice ...	30.01	71	SW	1	bc	29.96	-0.10	60	58	+4	E	1	bc	0	79	61	-													
PERPIGNAN ...	29.74	80	S	5	b	29.84	-0.11	70	68	+3	W	0	o	*	92	67	-													
Biarritz ...	29.77	68	W	7	o	29.91	+0.17	64	60	-14	SW	4	o	3	68	61	0.12													
PENINSULA.																														
Corunna ...	*	*	*	*	*	29.99	+0.23	60	58	-2	W	5	r	6	72	55	0.24													
Lisbon ...	30.03	65	NW	4	b	30.15	-0.22	65	60	-3	NW	4	c	5	72	61	0.43													

WEATHER CHARTS

for 8 a.m. on Saturday, 25th August.

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.

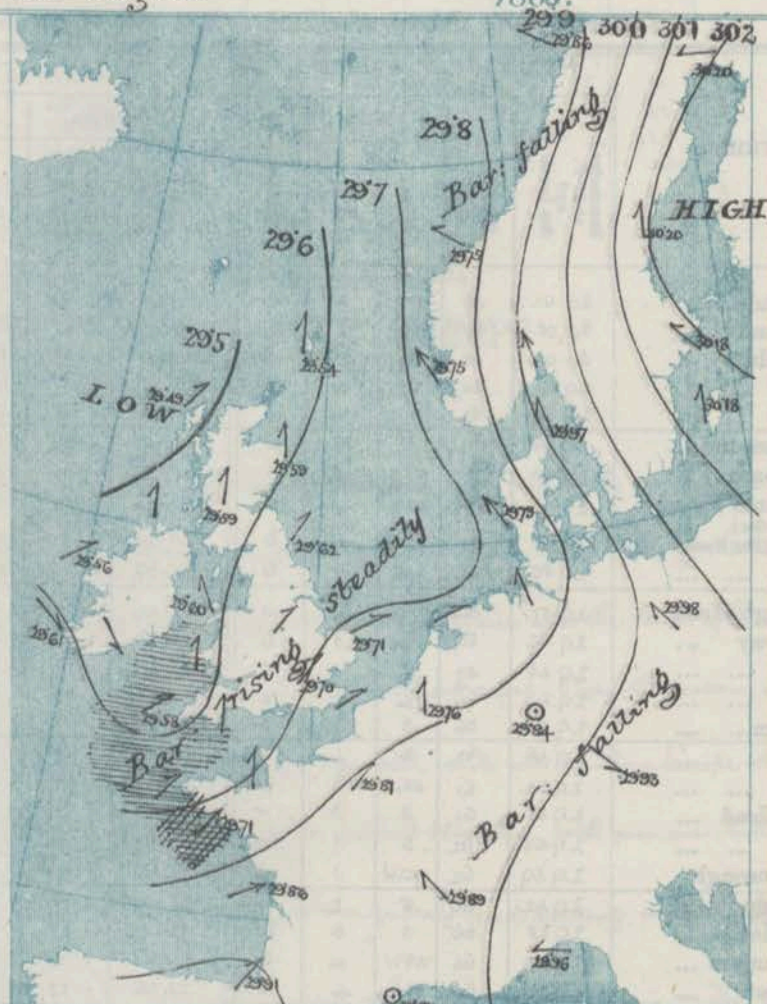
Sea Disturbance — where considerable is shown thus.

■ = Rough ■ = High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.798
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



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.

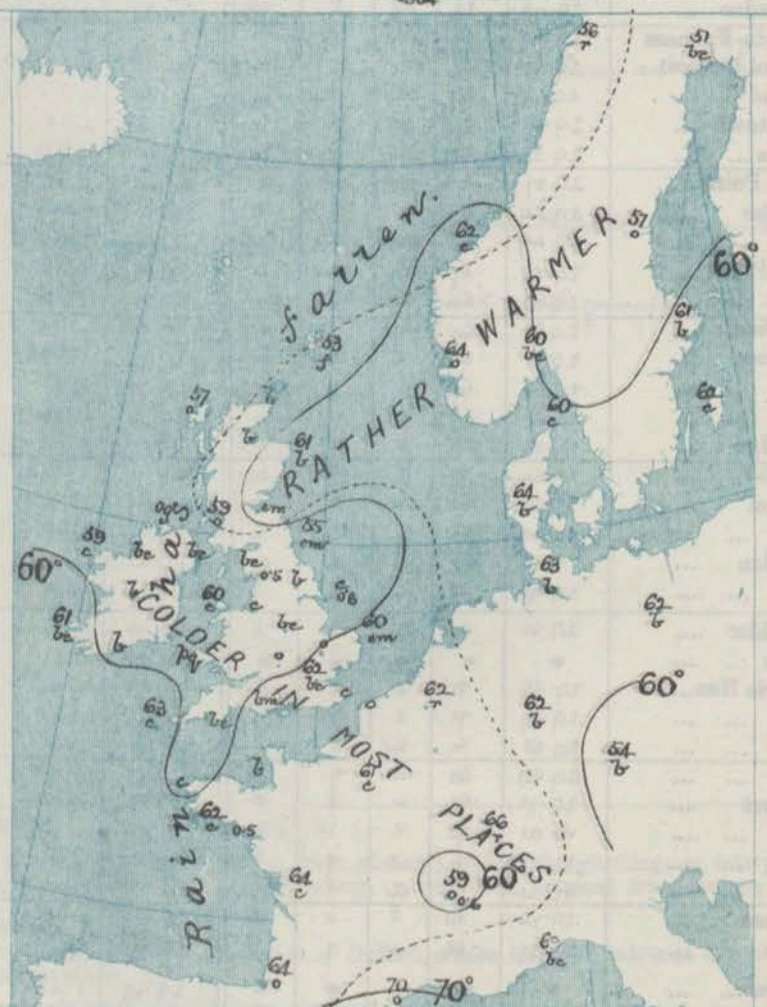
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of August.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	Dry at 8 a.m.	Wet.	
Sumburgh Head	57.0	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	63.7	61.4	67.8	2.20
Oxford	69.2	63.4	59.2	66.4	2.33
Cambridge	71.3	62.1	60.2	67.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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, 30.2 in: and upwards over the Gulf of Bothnia.
Lowest, 29.5 in: and less, in a depression lying off the northwest of Scotland. Shallow disturbances are also lying over the North Sea and over the coast.
Gradients rather steep over the eastern shore of the North Sea, but slight elsewhere.
Barometer rising at all but the Norwegian and Danish stations.

TEMPERATURE

Highest, 70° at Bapaume, 69° at Nice, 66° at Belfort, 65° at Leith and Lisbon, and 64° at Skudsmose, Paris and Rochefort.
Lowest, 51° at Haparanda, 53° at Lumburgh Head, 55° at Shields and Parsonstown, and 56° at Bode, York, and Rochefort.
During yesterday the thermometer rose to 70° at Spurn H. and Rungene, and 75° in London and at Cambridge.

WIND

Light from the S. in the north of our islands, moderate from S.W. over France and the south of England.
Fresh or strong from S.E. on the eastern shores of the North Sea.
Light from N.W. in the south of Ireland.

WEATHER

Fair generally but rainy at Bode, Brussels and Munich, and showers at Pembroke.
Rain fell yesterday in many parts of the kingdom, with thunderstorms at some of the English stations, and lightning in the south of Ireland.

SEA

Rough at the mouth of the English and Bristol Channels, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression in the southwest may possibly spread eastwards and occasion showers over England, but the general appearance is rather more favourable than it was yesterday.

FORECASTS

for the 24 hours ending at NOON on 26th August 1883.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	} S ^w winds, light; fair generally, but some showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	} S ^w and S.W ^w winds, light; fair generally, but local showers.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	} S.E. and S ^w winds, light; fair generally, but some showers.
7	ENGLAND N.W.	
8	ENGLAND S.W.	SW ^w to W ^w winds, moderate, changeable, some showers.
9	IRELAND NORTH	SW ^w winds, light or moderate; changeable, some showers.
10	IRELAND SOUTH	N.W. to SW ^w winds, light; fine to showery.

WARNINGS

NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeanæs ...	29.79	60	57	SE 7	c	5	Holyhead ...	29.48	63	60	SSW 5	cym	5
Sumburgh Head ...	29.49	55	54	SSW 3	o	5	Valencia ...	29.29	63	59	S 7	ben	5
Stornoway ...	29.36	62	57	SW 6	b	6	Scilly ...	29.50	66	62	SSW 5	ben	5
Aberdeen ...	29.51	57	55	S 3	o pm	4	Jersey ...	29.63	66	64	S 1	o	1
Shields ...	29.54	60	58	S 3	d	2	Dungeness ...	29.65	69	65	S 3	c	3
Ardrossan ...	29.41	63	59	SSW 2	o	1	London ...	29.62	71	65	S 4	c	*
Malin Head ...	29.28	65	58	S 5	b	4	Yarmouth ...	29.68	65	62	S 5	b	4
Mullaghmore ...	29.24	62	57	SE 6	op	5	Rochefort ...	29.76	72	68	SW 7	o	2
Belmullet ...	29.24	64	59	SW 3	c	*							

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 central Europe and from 29.9 ins: and more in another high pressure system in the extreme north, to below 29.3 ins: in a large area of low pressure lying over the Atlantic. S^W and SW^W winds of considerable strength were consequently prevalent over Western Europe, and were accompanied by very variable weather — clear and warm (but not settled) in some places, cloudy and showery in others, while over central Europe, the wind was light and variable and the weather fine, but cold. Thunderstorms had occurred in North Germany. Temperature was as high as 86° (locally) at Bilbao, 80° at Beke (Algeria), 79° at Barcelona, 78° at Bismitz, 76° at Malta and Brindisi, 73° at Constantinople, 72° at Cagliari and Palermo, 70° at Trieste, 67° at Perpignan and 65° at Nice; it was as low as 46° at Archangel, 48° at Rode, 49° at Haparanda and Moscow, 51° at Prague, and 54° at Vienna and Moscow.

Later in the day showers of rain fell very generally over the British Isles and thunder occurred in several localities.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. bias 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 26th August. 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.				
				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 ..	30.13	54	S	4	b	30.08	- .12	57	57	+	6	SSW	6	0	*	63	37	-	
	Hernösand ..	30.17	57	S	4	0	30.14	- .06	57	53	+	0	SSW	4	0	*	64	43	-	
	Stockholm ...	30.21	54	SE	2	b	30.19	+ .01	63	59	+	2	SSE	2	0	*	68	48	-	
	Wisby ...	30.24	55	SSW	2	b	30.19	+ .01	61	58	-	2	S	4	0	*	68	50	-	
	Bodö ...	29.83	58	0	0	0	29.76	- .10	63	57	+	7	ESE	2	0	1	?	54	0.12	
	Christiansund ..	29.78	58	W	3	0	29.75	00	54	54	-	5	SSW	2	0	1	68	54	-	
	Skudesnaes ...	29.77	62	SSE	6	0	29.86	+ .11	56	55	-	8	S	8	0	5	68	51	-	
	Christiania Fjord (Farøer)	29.99	63	S	3	b	29.93	- .09	59	58	-	1	SSE	6	0	3	66	59	-	
	Skagen (The Scaw)	29.96	60	SSE	4	b	29.96	- .01	60	59	0	5	S	2	0	3	64	59	-	
	Fanö ...	29.88	61	Z	0	r	29.97	+ .18	60	60	-	4	WSW	2	0	*	73	59	0.20	
BRITISH ISLANDS.	Sumburgh Head	29.61	55	Z	0	b	29.56	+ .02	50	54	+	3	SSE	4	0	5	59	50	-	
	Stornoway ..	29.55	59	SW	5	b	29.41	- .08	54	54	-	3	SW	4	0	6	60	52	0.30	
	Wick ...	29.61	63	S	1	b	29.51	- .03	57	55	-	3	S	6	0	4	66	53	-	
	Nairn ...	29.59	65	Z	0	C	29.50	- .02	58	55	0	SSW	2	0	2	73	54	0.01		
	Aberdeen ...	29.67	61	SSW	3	b	29.62	+ .03	57	55	-	4	S	4	0	3	69	53	-	
	Leith ...	29.67	64	SW	2	b	29.62	+ .02	59	55	-	6	SW	4	0	*	70	56	0.05	
	Shields ...	29.70	63	S	1	0	29.73	+ .11	57	54	+	2	S	3	0	2	68	52	-	
	Spurn Head ...	29.76	60	SSE	4	b	29.85	+ .18	59	57	+	1	SSW	4	0	2	69	53	-	
	York ...	29.74	66	S	1	b	29.87	+ .16	61	56	+	5	S	3	0	*	71	50	-	
	Loughborough	29.78	67	SW	2	b	29.88	+ .20	58	56	0	SSW	3	0	*	73	53	-		
GERMANY.	Ardrossan ...	29.65	60	SSW	3	b	29.62	+ .03	57	56	-	2	SSW	5	0	3	64	55	0.11	
	Malin Head ...	29.61	58	WNW	1	0	29.58	+ .06	58	56	+	1	WSW	7	0	4	66	55	0.09	
	Mallaghmore ...	29.65	60	W	2	C	29.65	+ .12	59	56	-	2	WSW	5	0	4	67	55	0.10	
	Belmullet ...	29.67	59	WSW	3	C	29.66	+ .10	59	56	0	WSW	5	0	*	61	56	0.10		
	Donaghadee ...	29.67	59	SSW	4	b	29.67	+ .08	59	58	+	1	WSW	4	0	2	65	55	0.11	
	Barrow-in-Furness	29.71	63	S	2	b	29.76	+ .17	58	57	+	1	S	5	0	*	65	55	0.05	
	Liverpool (Bidston)	29.73	62	SSE	1	C	29.80	+ .16	58	55	-	1	S	2	0	2	68	51	0.04	
	Holyhead ...	29.74	59	SSW	2	C	29.75	+ .15	57	57	-	3	SSW	5	0	4	65	55	0.09	
	Parsonstown ...	29.71	62	WSW	2	b	29.75	+ .19	60	56	+	5	WSW	5	0	*	66	54	0.09	
	Valencia ...	29.80	61	SW	3	b	29.84	+ .23	61	58	0	WSW	5	0	5	64	57	0.02		
FRANCE & NETHERLANDS.	Roches Point...	29.75	63	W	3	b	29.82	+ .24	60	58	+	4	W	3	0	4	66	55	0.08	
	Pembroke ...	29.77	59	SSW	3	b	29.81	+ .23	58	57	-	1	SSW	4	0	4	63	57	0.06	
	Scilly ...	29.82	59	WNW	5	C	29.91	+ .33	60	60	-	3	WSW	5	0	6	64	56	0.04	
	Prawle Point ...	29.83	58	SSW	3	C	29.97	+ .30	55	55	-	3	S	3	0	3	62	51	0.03	
	Jersey ...	29.85	65	WSW	3	b	30.05	+ .35	62	59	0	WSW	4	0	3	68	57	-		
	Hurst Castle ...	29.84	63	SW	2	b	29.96	+ .26	62	59	-	1	WSW	4	0	3	67	57	-	
	Dungeness ...	29.83	62	WSW	2	b	29.96	+ .24	59	57	-	1	WSW	4	0	3	67	52	-	
	London ...	29.82	65	WSW	1	C	29.95	+ .25	62	56	0	SSW	2	0	*	73	54	-		
	Oxford ...	29.84	59	SW	2	b	29.93	+ .23	60	56	+	2	SW	3	0	*	68	54	0.08	
	Cambridge ...	29.87	62	S	1	b	29.93	+ .23	58	56	-	2	S	1	0	*	71	50	-	
DENMARK.	Yarmouth ...	29.87	65	SSW	1	b	29.92	+ .21	57	55	-	3	SSW	2	0	2	65	53	0.04	
	Cuxhaven ...	29.85	62	W	3	C	30.00	+ .16	64	63	+	1	NW	1	0	*	73	61	-	
	Berlin ...	29.95	68	SE	2	b	30.01	+ .03	62	58	0	SE	2	0	*	77	57	-		
	Wiesbaden ...	*	*	*	*	*	29.99	+ .15	63	60	+	1	Z	0	0	*	75	61	0.04	
	Munich ...	29.94	63	Z	0	b	30.03	+ .10	59	57	+	5	SW	5	0	*	73	54	0.04	
	The Helder ...	29.89	60	SW	1	C	29.96	+ .26	58	57	-	5	S	1	0	1	66	52	0.14	
	Brussels ...	*	*	*	*	*	30.01	+ .25	61	59	-	1	SW	1	0	*	69	57	0.04	
	Cape Gris Nez...	29.82	65	SW	1	b	?	?	60	60	-	1	SW	4	0	1	75	55	-	
	Paris ...	29.89	61	E	1	b	30.06	+ .25	55	54	-	6	SW	1	0	*	73	51	0.24	
	Brest ...	29.93	62	WNW	3	b	30.10	+ .14	59	57	0	SW	5	0	5	77	46	0.29		
FRANCE & NETHERLANDS.	Lorient ...	29.93	63	WNW	5	b	30.10	+ .24	62	59	0	WNW	5	0	5	64	59	-		
	Rochefort ...	29.99	65	WNW	7	C	30.18	+ .32	63	60	-	1	NW	5	0	2	68	61	0.16	
	Belfort ...	30.04	67	W	1	0	30.15	+ .16	65	59	-	1	W	1	0	*	61	55	0.87	
	Lyon ...	29.95	58	W	1	0	30.05	+ .16	57	54	-	2	NNW	4	0	*	60	54	0.67	
	Nice ...	29.87	68	SW	1	C	29.73	- .23	66	54	-	3	NE	9	0	5	79	55	0.63	
	Perpignan ...	29.95	63	WNW	4	0	30.03	+ .19	64	59	-	6	NW	5	0	*	80	61	0.28	
	Biarritz ...	30.03	65	NW	7	C	30.20	+ .29	65	63	+	1	NW	7	0	5	72	63	0.16	
	Corunna ...	*	*	*	*	*	30.03	+ .34	64	62	+	4	WNW	1	0	5	68	57	0.08	
	Lisbon ...	30.25	65	NNW	7	b	30.30	+ .15	63	58	-	2	N	7	0	5	73	59	-	

WEATHER CHARTS

for 8 a.m. on

Sunday, 26th August

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.

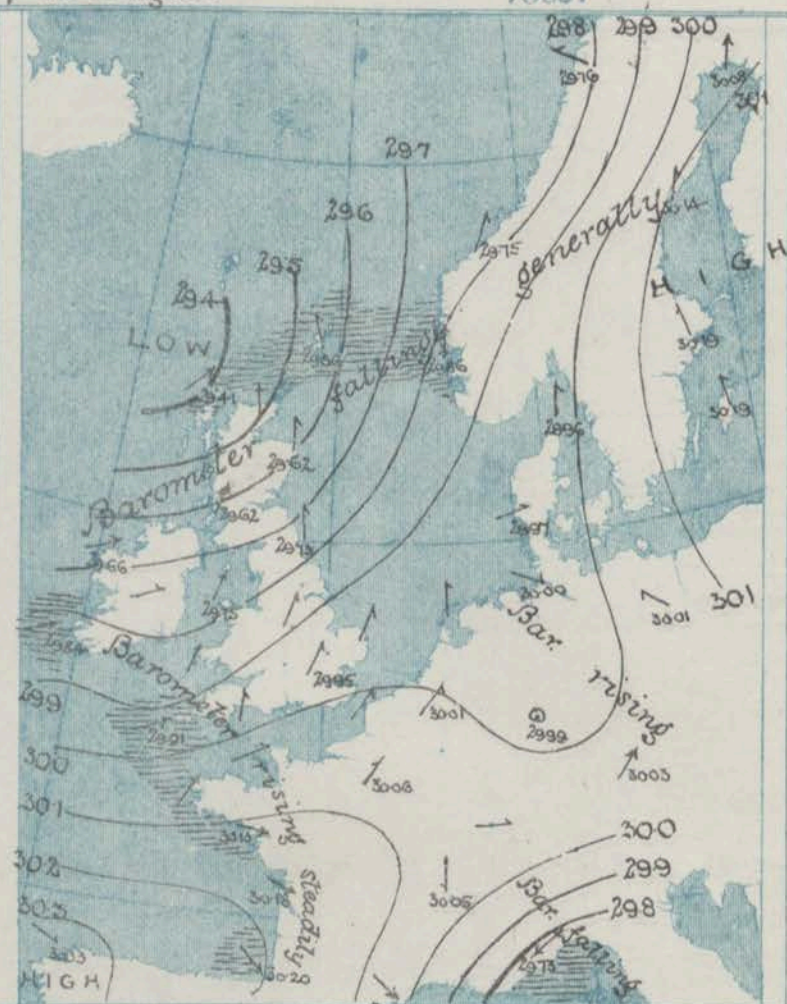
Sea Disturbance — where considerable, is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head.	29.798
Stornoway.	29.802
Wick.	29.818
Nairn.	29.827
Aberdeen.	29.835
Leith.	29.852
Shields.	29.875
York.	29.907
Loughborough.	29.925
Ardrossan.	29.800
Donaghadee.	29.877
Holyhead.	29.904
Liverpool.	29.903
Parsonstown.	29.919
Valencia.	29.922
Roche's Point.	29.922
Pembroke.	29.921
Scilly.	29.958
Jersey.	29.976
Hurst Castle.	29.960
Dover.	29.950
LONDON.	29.952
Oxford.	29.943
Cambridge.	29.934
Yarmouth.	29.929



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.

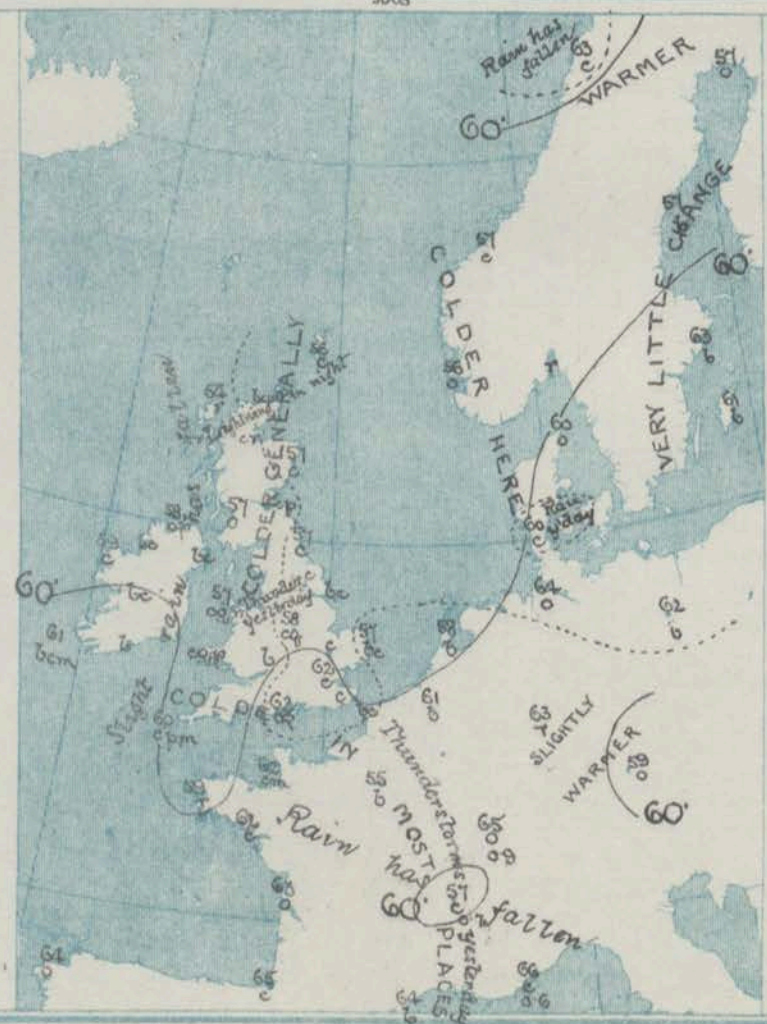
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of August

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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, 30.3 ins. and upwards in Portugal and the northwest of Spain; 30.1 ins. and upwards in Sweden.
Lowest, 29.4 ins. and less, in a depression lying off the Hebrides; 29.8 and less, in another disturbance lying over the Gulf of Genoa.
Gradients moderate or slight generally. Barometer falling on our north and northwest coasts and also in Scandinavia, but rising elsewhere.

TEMPERATURE

Highest, 66° at Nice, 65° at Biarritz, 64° at Copenhagen, Perpignan, and Genoa, and 63° at Stockholm, Miesbaden, Rostock and Lisbon.
Lowest, 54° at Stromsø, 56° at Skudeengen and Sumburg, and 57° at Haparanda, Helsingfors, Christiana, and Alesund, and 58° at Stockholm, Miesbaden, Rostock and Lisbon.

WIND

Moderate or fresh from SW. over the greater part of our Islands, strong from S. in the north of Scotland and also in Scandinavia.
Variable in Germany, fresh from NW. in the west of France; strong from N. at Lisbon.
A strong gale from NE. is reported at Nice.

WEATHER

Varying greatly in different localities, but changeable and showery in most districts.
Heavy thunderstorms occurred in France yesterday and showers fell in many parts of the United Kingdom, with thunder and lightning in some places.

SEA

Rough on our southwestern and extreme northern coasts as well as at Biarritz and Nice, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression noticed over our southwest coasts yesterday has travelled eastwards across England, but a new and deeper disturbance has appeared off the Hebrides, and the barometer is now falling somewhat briskly on our north and northwest coasts. Threatening weather is reported from the north of Scotland.

FORECASTS

For the 24 hours ending at NOON on 27th August. 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.

The south cone has been hoisted this morning in districts 0, 6 and part of 1.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		
Skudesnaes ...	29.75	68	59	SE	6	om	5	Holyhead ...	29.61	64	60	SSW	3	bcp	2
Sumburgh Head	29.59	58	55	2	0	c	4	Valencia ...	29.76	64	60	W	3	cm	3
Stornoway ...	29.55	59	57	SW	5	o	5	Scilly ...	29.74	62	59	WNW	5	c	6
Aberdeen ...	29.63	68	60	S	3	b	2	Jersey ...	29.80	67	60	WSW	2	b	2
Shields ...	29.67	65	59	SE	3	bc	3	Dungeness ...	29.79	66	61	WSW	3	bc	2
Ardrossan ...	29.66	61	59	WSW	3	bc	2	London ...	29.78	68	63	SE	3	cp	*
Malin Head ...	29.59	64	59	NW	1	c	2	Yarmouth ...	29.77	63	61	SSE	5	bc	4
Mullaghmore ...	29.61	66	59	S	2	cv	2	Rocheport ...	29.91	65	60	WSW	5	r	2
Belmullet ...	29.65	60	57	WSW	2	o	*								

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

The reports for yesterday morning showed that pressure was highest 30.1 in. and upwards over Finland, the Baltic and Central Russia and lowest 29.5 in. and less, in a depression lying off the northwest of Scotland. Shallow disturbances were, however, reported in many parts of Europe, and the gradients were therefore somewhat irregular. The wind was chiefly S³ in our Islands, SW⁴ in France, and SE² on the eastern shores of the North Sea. Over the Gulf of Finland, however, and in Spain NW² breezes were reported, while in Italy and Algeria the wind was light and variable. The weather was fine at the Italian and Algerian stations, and fair in most other localities, but showers were falling in some parts of Western Europe. Temperature had risen a little in Scandinavia and the north and east of our Islands, but fallen elsewhere; readings ranged from 75° and upwards over Algeria and South Italy to 50° or less in Northern Russia. The highest individual readings were 81° at Kiskadee, 80° at Algiers, 77° at Annaba, 76° at Cagliari and Palermo, and 75° at Khindia and Oran; the lowest were 47° at Uleaborg, 48° at Kuopio, 50° at Archangel, 51° at Haparanda, 53° at Sumburgh H^l and 54° at St. Petersburg.

In the course of the day the barometer rose over the greater part of Western Europe, but very little change was observed either 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 27th August 1888.

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

Issued by the Meteorological Office, 110, Victoria Street, London, S.W.1.																		
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.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.
			Direc.	Force. (0 to 12.)			Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)	Max.			Min.		
SCANDINAVIA.																		
Haparanda ...	20.01	56	SW	6	0	20.02	-0.06	55	55	-2	SW	4	0	*	*	61	24	—
Hernösand ...	20.07	58	S	6	C	20.01	-0.13	57	56	0	S	6	0	*	*	62	22	—
Stockholm ...	20.11	58	ENE	2	bc	20.03	-0.16	64	59	+1	ENE	2	0	*	*	63	52	—
Wisby ...	20.03	52	S	2	bc	20.72	-0.04	60	54	-2	E	4	0	*	*	62	46	—
Bodö ...	20.71	60	SW	1	bc	20.65	-0.10	58	55	+1	SW	4	0	*	*	64	54	—
Christiansund ...	20.71	58	SW	7	0	20.75	-0.11	57	55	+1	SW	7	0	*	*	62	55	—
Skudesnaes ...	20.95	59	SW	2	2	20.86	-0.07	59	58	0	S	4	0	1	1	59	1	0.95
Christiania Fjord (Fjord)	20.96	59	S	0	2	20.88	-0.08	57	57	-2	SW	1	0	1	1	61	57	0.41
Skagen (The Scaw)	20.96	59	S	0	0	20.86	-0.11	60	59	0	SW	4	0	*	*	66	54	—
Fenö ...	20.52	58	SW	2	C	20.48	-0.04	58	58	-2	S	2	0	5	5	59	47	0.11
Sumburgh Head	20.46	59	SW	5	C	20.40	-0.06	57	58	+2	SW	6	0	6	6	60	50	0.22
Stornoway ...	20.54	63	SW	2	bc	20.49	-0.05	57	54	0	SW	2	0	6	2	66	51	0.02
Wick ...	20.55	59	SW	2	C	20.50	0.00	54	52	-4	SW	2	0	1	1	69	50	0.02
Nairn ...	20.62	60	SW	2	C	20.58	-0.04	56	53	-1	SW	2	0	6	6	65	50	0.01
Aberdeen ...	20.67	62	SW	4	bc	20.63	+0.01	57	58	-2	W	2	0	*	*	69	52	0.01
Leith ...	20.73	67	SW	2	bc	20.69	-0.04	59	54	+2	SW	2	0	6	2	68	58	0.02
Shields ...	20.83	64	SW	2	bc	20.84	-0.01	59	56	0	SW	4	0	6	2	68	54	—
Spurn Head ...	20.81	65	W	1	bc	20.81	0.00	58	55	-2	S	2	0	*	*	66	53	0.02
York ...	20.87	66	W	2	C	20.88	0.01	59	57	+1	W	4	0	*	*	70	55	—
Loughborough	20.67	59	SW	4	bc	20.63	+0.01	55	54	-2	SW	5	0	4	4	60	52	0.04
Ardsrossan ...	20.68	59	SW	5	bc	20.58	0.00	56	54	-2	SW	4	0	5	5	62	52	0.24
Malin Head ...	20.70	59	SW	6	C	20.65	0.00	57	54	-2	SW	5	0	5	5	64	52	0.15
Mullaghmore ...	20.71	60	SW	6	bc	20.66	0.00	58	55	-1	SW	6	0	*	*	61	55	0.20
Belmullet ...	20.73	60	SW	4	C	20.70	+0.03	56	55	-2	SW	4	0	2	2	68	55	0.52
Donaghadee ...	20.79	61	S	4	bc	20.75	-0.01	58	56	0	SW	2	0	6	6	62	56	0.20
Barrow-in-Furness	20.84	63	SW	2	bc	20.80	0.00	61	57	+2	W	2	0	2	2	66	56	0.07
Liverpool (Bidston)	20.83	61	SW	5	bc	20.79	+0.04	59	57	+2	SW	5	0	5	5	65	56	0.06
Holyhead ...	20.83	61	SW	4	0	20.76	+0.01	58	56	-2	SW	2	0	6	6	65	53	0.15
Parsonstown ...	20.90	61	SW	6	0	20.88	-0.01	60	57	-1	SW	4	0	4	4	64	58	0.02
Valencia ...	20.91	62	W	4	C	20.84	+0.02	60	58	0	W	4	0	4	4	65	58	—
Roche's Point ...	20.92	59	SW	5	bc	20.89	+0.03	59	57	+1	SW	5	0	4	4	62	58	0.01
Pembroke ...	20.03	61	SW	2	C	20.98	+0.07	61	58	+1	SW	5	0	5	5	63	57	—
Seilly ...	20.01	60	SW	2	bc	20.02	+0.05	59	58	+4	SW	2	0	2	2	64	54	0.02
Prawle Point ...	20.05	64	W	2	bc	20.10	+0.05	60	58	-2	SW	2	0	2	2	64	57	0.03
Jersey ...	20.97	62	SW	4	bc	20.92	+0.06	61	59	-1	SW	5	0	4	4	65	56	0.02
Hurst Castle ...	20.98	61	SW	4	C	20.91	+0.05	60	57	+1	W	4	0	4	4	66	57	—
Dungeness ...	20.95	62	SW	2	cdp	20.98	+0.03	60	56	-2	SW	2	0	*	*	69	52	—
London ...	20.97	57	SW	2	bc	20.95	+0.02	57	55	-2	SW	4	0	*	*	66	54	0.02
Oxford ...	20.94	62	S	1	C	20.94	+0.01	58	56	0	SW	1	0	*	*	69	51	—
Cambridge ...	20.92	66	SW	2	C	20.92	+0.01	59	57	+2	SW	2	0	2	2	68	54	—
Yarmouth ...	20.05	61	W	1	0	20.91	-0.09	61	60	-2	SW	2	0	*	*	65	59	0.06
Cuxhaven ...	20.98	72	S	0	bc	20.99	-0.02	64	62	+2	SW	2	0	*	*	82	59	—
Berlin ...	*	*	*	*	*	20.10	+0.11	60	58	-2	S	0	0	*	*	70	52	0.16
Wiesbaden ...	20.11	61	SW	2	0	20.15	+0.12	59	58	0	SW	2	0	*	*	64	57	—
Munich ...	20.97	60	SW	2	bc	20.94	-0.02	61	59	+2	SW	2	0	C	2	68	59	—
The Helder ...	*	*	*	*	*	20.08	+0.07	61	60	0	SW	4	0	*	*	72	59	0.04
Brussels ...	20.00	62	SW	5	0	20.00	0.00	60	59	0	SW	4	0	6	6	64	59	—
Cape Gris Nez ...	20.08	66	SW	1	bc	20.09	+0.03	61	57	+6	W	1	0	*	*	72	57	—
Paris ...	20.12	63	SW	4	bc	20.13	+0.03	59	58	0	W	4	0	4	4	77	46	0.12
Brest ...	20.12	63	SW	4	bc	20.15	+0.05	61	58	-1	W	4	0	6	6	64	59	0.04
Lorient ...	20.21	65	W	7	m	20.19	+0.01	62	62	0	SW	2	0	2	2	70	57	0.08
Rochefort ...	20.10	65	W	1	0	20.12	-0.02	62	58	-2	W	1	0	*	*	70	56	—
Belfort ...	20.09	63	SW	4	0	20.15	+0.10	58	55	+1	SW	2	0	6	6	66	57	—
Lyons ...	20.08	64	SW	2	2	20.08	+0.15	74	61	+8	ENE	1	0	6	6	72	57	0.20
Nice ...	20.08	69	SW	5	C	20.13	+0.10	63	62	+1	SW	4	0	6	6	75	61	—
Perpignan ...	20.28	66	SW	7	f	20.23	+0.03	66	64	+1	SW	5	0	2	2	68	63	0.25
Biarritz ...	*	*	*	*	*	20.23	-0.07	67	62	+4	SW	5	0	5	5	79	63	—
Corunna ...	20.26	67	W	7	bc	20.23	-0.07	67	62	+4	SW	5	0	5	5	79	63	—
Lisbon ...																		

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, 27th August 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 beaks and feathers refer to force, thus —

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

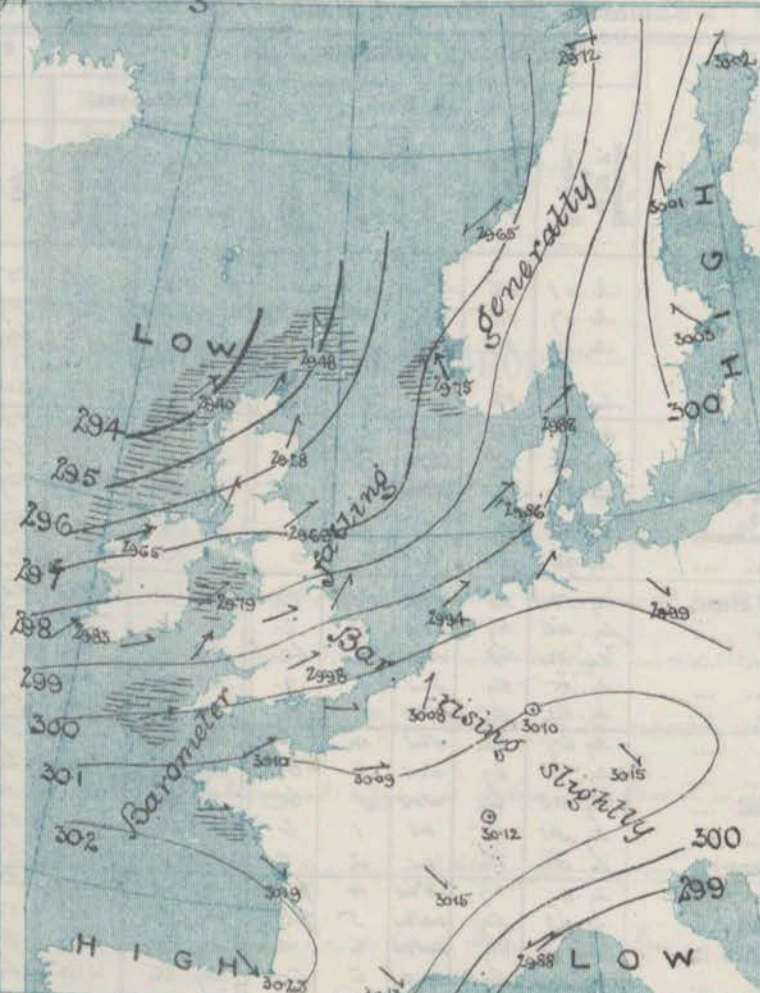
Sea Disturbance — where considerable is shown thus.

— Rough — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



GENERAL SITUATION AT 8 A.M.

PRESSURE	<p><u>Highest</u>, 30.10 in. to about 30.25 in. over Central France, the north of Spain and the Bay of Biscay; 30.00 in. over the Gulf of Genua.</p> <p><u>Lowest</u>, 29.40 in. at Stormouay, and apparently still lower in the direction of the Faro Isles.</p> <p><u>Gradients</u>, moderate for South Westerly and Southerly winds, except over Germany, France and Spain.</p> <p><u>Barometes</u>, uneasy, but rising slightly in the east and south, and falling in the west and north.</p>
TEMPERATURE	<p><u>Highest</u>, 71° at Nice, 68° at Perpignan, 64° at Stockholm and Berlin, 61° at Tilly, Hunt Castle and the Helser, and 60° at Rode.</p> <p><u>Lowest</u>, 53° at Lumburgh Head, 52° at Rairy, 57° at Oxford, 59° at Brest and Munich.</p> <p>Its distribution is therefore irregular, but in our islands it does not differ much from the average.</p>
WIND	<p>S⁴ and SE⁴, fresh to strong at the Scandinavian stations.</p> <p>SW⁴ over our islands and the North Sea; strong in the west and north west, moderate elsewhere.</p> <p>W. to NW⁴, moderate, in France and Germany; NE⁴ at Lisbon.</p>
WEATHER	<p>Bale at most of the Continental stations; changeable (showers and bright intervals) in our islands.</p> <p>Rainfall has been rather heaviest in the north west of our islands, and on the shores of the Skagerrack.</p>
SEA	<p>Rough in extreme north, rather so in north west and west, moderate to slight elsewhere.</p>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the barometer is inclined to fall again at our western stations, a further increase of the S⁴ wind is probable, especially in the west and north; and the South Cone, which was hoisted in the extreme north and north west yesterday morning, is allowed to remain up.

FORECASTS

for the 24 hours ending at NOON on 28th August 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SW ⁴ and S ⁴ breezes, fresh to strong, showery.	6 { SCOTLAND WEST	
1 { SCOTLAND EAST	SW ⁴ and S ⁴ breezes, freshening, showery.	7 { ENGLAND N. W.	
2 { ENGLAND N. E.		8 { ENGLAND S. W.	SW ⁴ and S ⁴ winds, force donable fresh at present; showery, unsettled.
3 { ENGLAND EAST		9 { IRELAND NORTH	
4 { MIDLAND COUNTIES	SW ⁴ breezes, freshening, some local showers, with bright intervals.	10 { IRELAND SOUTH	
5 { ENGLAND SOUTH			
		WARNINGS	The south cone was hoisted yesterday in districts 0. 6. and part of 11.

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 ...	29.86	62	58	5 8	cf	5	Holyhead ...	29.83	64	59	SW 5	bq	5
Sumburgh Head							Valencia ...						
Stornoway ...	29.46	59	55	SW 6	o	6	Scilly ...						
Aberdeen ...							Jersey ...	30.06	62	60	SSW 3	o	3
Shields ...							Dungeness ...	29.99	66	64	WSW 4	bc	3
Ardrossan ...							London ...						*
Malin Head ...	29.62	61	58	WSW 6	bcp	5	Yarmouth ...						
Mullaghmore ...							Rochefort ...	30.22	67	63	NW 5	o	2
Belmullet ...	29.71	61	57	WSW 7	c	*							

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 30.3 ins. was lying over Northern and Central Russia, while a smaller high pressure system of similar height existed over Portugal. The lowest readings 29.4 ins. and less, were found in a small depression lying off the Helles, but another disturbance with readings below 29.8 ins. was reported over the Gulf of Genoa. The wind was SW in our Islands and S or SE over Scandinavia and the Baltic. In the west and south of France, however, it was NW, and in Spain N, while at the Italian stations it was chiefly E. The weather was in a changeable, showery state over the greater part of Western Europe, but over the more eastern and southern districts it was mostly fine. Temperature had changed rather irregularly, but the general tendency was for a slight fall, readings ranged from 70° and upwards over Algeria, South Italy, and some parts of Spain to 55° or less, at several of the Russian, Austrian and Scotch stations to 45° or less in the neighbourhood of the White Sea. The highest individual readings were 76° at Malta, 74° at Brindisi, Algiers, and La Calle, 73° at Oran and 72° at Barcelona; the lowest were 43° at Archangel, 50° at Kuopio, 53° at Uleaborg, 54° at Uiga, Moscow, and Stornoway, and 55° at Rarow and Lemberg.

In the course of the day the depression off the northwest of Scotland travelled northwards, but strong SW winds continued to prevail on our western coasts, and showers fell in most parts of the Kingdom.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLES AND THEIR NEIGHBOURHOOD, FROM AUG. 19th to 25th 1888.

The weather of the past week has again been very changeable and unsettled, and temperature, although, somewhat higher than of late has remained low for the time of year.

At the commencement of the week a large anticyclone lay over France and the eastern parts of Great Britain, while a depression existed to the westward of our Islands. In the former regions the winds were therefore light and variable and the weather fine, but in the latter strong breezes or gales from the S^W were reported with heavy rain.

On the 21st the anticyclone moved away to Central Europe, while the depression extended gradually eastwards over the United Kingdom. The latter system became shallow, and the winds therefore fell moderate, but showery weather became general, with thunder in many parts of England and France.

On the 22nd a new anticyclone appeared over the Iberian Peninsula, and in the course of the ensuing 24 hours this also drifted eastwards to Central Europe. During the early part of its career the wind in our Islands became W^W with fair weather at all but our northern stations, but as the system moved away a deep depression moved northwards along our western coasts occasioning S^W gales and rainy weather in the west and north generally.

On the 25th some shallow secondary disturbances advanced over England from the W^W and showers fell in nearly all districts, with thunder in some parts of the Kingdom.

Temperature was uniformly low in the extreme north and north-west, but over the eastern and central parts of Great Britain it occasionally rose above 70°, the highest reading of all being registered on the 24th, when the thermometer rose to 75° in London and at Cambridge.

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 28TH AUGUST

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.	BAROMETR.		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 ..	29.95	59	5	4	0	29.86	-16	59	58	+4	SW	4	60	*	63	34	-
	Hernösand ...	29.99	57	5	4	2	29.84	-17	57	56	0	S	4	0	*	63	34	0.12
	Stockholm ...	29.95	59	SE	2	6	29.90	-13	61	57	-3	SW	2	0	*	70	54	0.08
	Wisby ...	30.01	60	E	4	6	29.96	-14	64	61	-3	S	2	0	*	77	55	0.08
	Bodö ...	29.70	55	E	0	2	29.58	-14	57	54	-3	W	0	0	1	66	50	0.24
	Christiansund...	29.60	58	SE	2	C	29.53	-12	58	55	0	E	2	60	1	66	52	-
	Skudesnaes ...	29.69	57	S	7	0	29.60	-15	57	54	0	S	5	C	4	61	57	-
	Christiania Fjord (Farder)	29.77	58	S	4	0	29.70	-16	58	57	-1	SW	6	2	3	59	57	0.08
	Skagen (The Seaw)	29.84	59	SW	1	2	29.72	-16	59	57	+2	SW	5	0	3	63	55	0.12
	Fanö ...	29.89	58	SW	4	C	29.79	-07	57	56	-2	SW	4	C	*	64	55	0.12
BRITISH ISLANDS.	Sumburgh Head	29.45	58	SW	1	0	29.41	-07	52	51	-1	SW	1	C	3	58	46	-
	Stornoway ...	29.38	54	SW	6	2	29.39	-01	54	53	-2	SW	5	2	5	59	50	0.20
	Wick ...	29.44	59	SW	2	60	29.46	-03	57	54	0	SW	2	60	2	61	49	-
	Nairn ...	29.58	58	SW	2	C	29.45	-05	53	52	+1	SW	3	C	2	62	49	0.01
	Aberdeen...	29.55	57	SW	2	C	29.55	-03	55	51	-1	SW	3	60	1	65	50	0.01
	Leith ...	29.60	59	W	4	C	29.59	-04	58	53	+1	SW	5	60	*	65	51	0.10
	Shields ...	29.66	60	SW	3	C	29.67	-02	57	53	-2	SW	3	C	2	68	50	-
	Spurn Head ...	29.79	60	SW	4	2	29.81	-03	56	54	-2	SW	4	OW	2	66	53	0.23
	York ...	29.75	59	SW	5	2	29.77	-04	54	53	-4	S	3	0	*	66	49	0.10
	Loughborough	29.83	59	SW	2	2	29.83	-05	55	53	-4	SW	1	2	*	67	52	0.31
GERMANY.	Ardrossan ...	29.59	57	SW	4	0	29.60	-03	56	55	+1	SW	4	C	3	63	54	-
	Malin Head ...	29.55	55	SW	5	C	29.56	-02	55	53	-1	SW	5	CG	5	60	52	0.29
	Mullaghmore ...	29.64	59	SW	6	C	29.63	-02	55	52	-2	SW	5	CG	4	62	50	0.05
	Belmullet ...	29.66	58	SW	6	C	29.64	-02	56	52	-2	W	3	0	*	60	53	0.01
	Donaghadee ...	29.66	54	W	3	C	29.66	-04	54	53	-2	W	4	60	2	65	53	0.58
	Barrow-in-Furness	29.70	57	SW	3	2	29.71	-04	56	54	-2	S	4	0	*	61	55	0.12
	Liverpool (Bidston)	29.75	61	SW	2	60	29.75	-05	55	53	-6	SW	2	0	2	65	52	0.05
	Holyhead ...	29.75	59	SW	5	C	29.72	-07	56	55	-3	SW	3	C	3	62	54	0.01
	Parsonstown ...	29.76	59	SW	4	60	29.71	-05	52	51	-6	S	1	0	*	64	50	-
	Valencia ...	29.86	58	SW	4	OW	29.72	-11	53	52	-7	W	1	2	2	64	51	0.38
FRANCE & NETHERLANDS.	Roche's Point...	29.84	61	SW	4	C	29.71	-13	53	53	-7	SW	3	2	4	64	52	0.40
	Pembroke ...	29.85	60	SW	4	C	29.73	-16	56	53	-3	S	4	2	3	61	56	0.19
	Scilly ...	29.96	61	SW	5	0	29.78	-20	60	59	-1	SW	6	0	6	66	57	0.05
	Frawle Point ...	29.93	58	SW	4	0	29.85	-17	58	58	-1	S	6	OW	4	61	49	0.08
	Jersey ...	30.06	63	SW	3	6	30.00	-10	62	60	+2	SW	4	OW	3	66	59	-
	Hurst Castle ...	29.98	60	SW	6	CG	29.89	-13	60	59	-1	SW	6	OW	4	65	57	0.10
	Dungeness ...	29.95	61	SW	5	C	29.93	-08	60	58	0	SW	5	0	4	65	58	-
	London ...	29.92	61	SW	4	0	29.89	-09	57	57	-3	S	1	2	*	68	57	0.04
	Oxford ...	29.90	59	SW	5	2	29.86	-09	56	55	-1	SW	2	2	*	66	55	0.05
	Cambridge ...	29.86	62	SW	2	0	29.86	-08	58	58	0	S	2	2	*	67	50	0.02
PENIN. SULA.	Yarmouth ...	29.89	64	SW	2	C	29.83	-05	58	56	-1	SW	3	60	2	67	54	-
	Oxhaven ...	30.02	59	W	1	6	29.94	+03	60	58	-1	SW	4	C	*	68	53	-
	Berlin ...	30.04	68	2	0	6	30.04	+05	63	61	-1	SW	2	C	*	73	57	-
	Wiesbaden ...	*	*	*	*	*	30.10	0.0	61	59	+1	W	0	C	*	73	54	-
	Munich ...	30.15	61	2	0	0	30.16	+01	59	58	0	SW	1	C	*	67	57	-
	The Helder ...	29.91	61	SW	4	0	29.90	-04	60	57	-1	SW	3	C	3	66	53	-
	Brussels ...	*	*	*	*	*	30.06	-02	60	57	-1	SW	5	0	*	69	58	-
	Cape Gris Nez...	29.93	60	SW	8	C	29.95	-05	60	59	0	SW	7	0	5	63	59	-
	Paris ...	30.09	64	SW	1	60	30.11	+02	57	56	-4	SW	1	6	*	74	53	-
	Brest ...	30.13	62	SW	4	6	30.04	-09	61	59	+2	SW	7	0	5	77	46	-
GERMANY.	Lorient ...	30.13	63	W	4	60	30.08	-07	62	59	+1	SW	5	0	4	66	53	-
	Rochefort ...	30.20	65	SW	5	6	30.19	0.0	65	62	+2	W	4	6	2	72	57	-
	Belfort ...	30.10	69	SW	1	60	30.15	+03	63	61	0	W	1	60	*	72	48	-
	Lyons ...	30.10	65	SW	1	6	30.17	+02	59	56	+1	SW	5	6	*	71	54	-
	Nice ...	29.93	75	SW	3	60	29.97	+09	71	61	-3	SW	1	6	0	80	61	-
	Perpignan ...	30.08	71	SW	4	6	30.13	0.0	66	58	-2	SW	3	6	*	80	61	-
	Biarritz ...	30.23	66	W	4	C	30.25	+02	64	62	-2	SW	5	C	0	70	63	0.08
	Corunna ...	*	*	*	*	*	30.24	+01	66	63	-2	N	3	0	5	72	57	-
	Lisbon ...	30.13	70	N	3	6	30.13	-10	68	62	+1	SW	4	6	2	82	66	-

WEATHER CHARTS

for 8 a.m. on

Tuesday, 28th August

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.

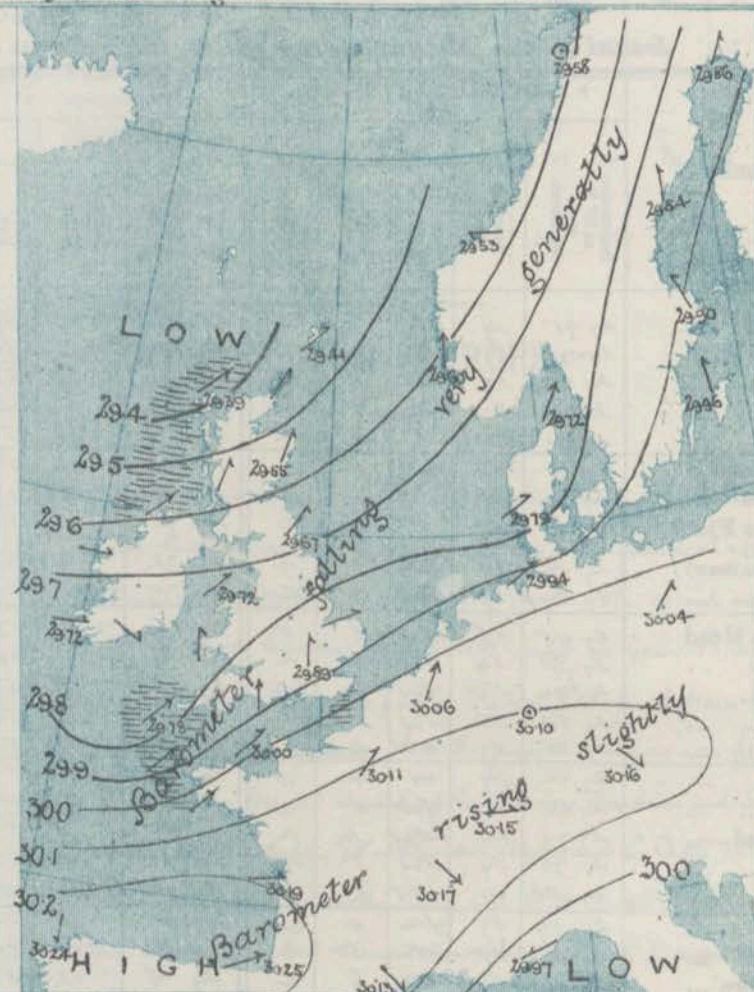
— Rough — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of August

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.960
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roshe's Point	29.922
Pembroke	29.921
Seilly	29.958
Jersey	29.976
Hurst Castle	29.980
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.920



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 August.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet.	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.8	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.90
Holyhead	64.8	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roshe's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Seilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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, 30.10 in. to 30.25 in. over Western Germany, Central France, the southern part of the Bay of Biscay, and the north of Spain. Present, 29.4 in. and less, in a large low pressure area off the northwest of Scotland. There is a shallow secondary depression near Sully advancing E. Gradients are favourable for SW winds; they are rather steep over the Channel and north of France. Barometer falling over England and the Channel, changing little in the north.
TEMPERATURE	Highest, 71° at this, 68° at Lisbon, 66° at Perpignan, 64° at Narbonne, and 61° at Stockholm. Lowest, 52° at Lumburgh Head and Larne, 54° at Stromway, 55° at Kaim, Aberdeen, Mullaghmore and Malin H. It has fallen somewhat decidedly over Ireland during the past 24 hours.
WIND	SW on almost all our coasts, S on the eastern shores of the North Sea. W over the Bay of Biscay and south of Ireland. In most places it is moderate, but in the Channel it is strong, and in the south of Ireland very light.
WEATHER	Close and rainy over the southern parts of our islands, showery in the northwest, moderately fair elsewhere. Rain has fallen in our islands during the past day except at a few eastern stations. Thunder and lightning occurred yesterday over our northern and northeastern counties.
SEA	Rough off our SW and NW coasts, moderate in the Channel, slight or smooth elsewhere.



PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the secondary disturbance in the south passes eastwards the wind will probably veer to W. or NW. and the weather clear up. A considerable fall of temperature will probably occur over England tonight, but there is no reason to suppose that this will be permanent.

FORECASTS

for the 24 hours ending at NOON on 29th August 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SW ^{ly} winds, fresh to moderate; rain at times.	6 { SCOTLAND WEST	SW ^{ly} to S ^{ly} breezes, moderate; some showers, bright intervals.
1 { SCOTLAND EAST	SW ^{ly} winds, moderate; fair as a whole.	7 { ENGLAND N. W.	Wind veering to W. or NW. with finer weather, afterwards backing again.
2 { ENGLAND N. E.		8 { ENGLAND S. W.	
3 { ENGLAND EAST	SW ^{ly} winds, moderate or light and rainy, then W ^{ly} or NW ^{ly} and fair - colder.	9 { IRELAND NORTH	SW ^{ly} breezes, moderate; showery.
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.	Woa.	Sea.		Bar.	Dry.	Wet.	Wind.	Woa.	Sea.
Skudesnaes ...	29.74	62	57	SW 6	c	5	Holyhead ...	29.77	60	58	SW 5	cm q	5
Sumburgh Head ...	29.49	55	53	S 3	c	5	Valencia ...	29.86	64	59	WSW 5	cm q	5
Stornoway ...	29.41	59	53	SW 6	c	5	Scilly ...	29.99	66	62	WSW 5	c	5
Aberdeen ...	29.56	63	55	SW 5	bc q	2	Jersey ...	29.70	65	60	SW 3	cm	3
Shields ...	29.69	65	53	WSW 4	c	2	Dungeness ...	29.99	68	59	WSW 5	o	4
Ardrossan ...	29.62	53	54	WSW 4	cp	3	London ...	29.95	66	61	SW 2	o	*
Malin Head ...	29.58	58	53	WSW 5	cp	5	Yarmouth ...	29.92	67	59	SW 4	c	2
Mullaghmore ...	29.65	61	56	WSW 6	c	5	Rochefort ...	29.22	68	62	NW 5	c	2
Belmullet ...	29.67	60	55	W 6	bc	*							

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

The reports for yesterday morning showed that a large anticyclone in which readings exceeded 30.3 ins. was lying over northern and central Russia, while a smaller high pressure system, with readings above 30.2 ins. existed over the Iberian Peninsula. The lowest pressures, 29.4 ins. and less, were found in a depression lying off the northwest of Scotland, but another disturbance with readings below 29.5 ins. was reported over the Gulf of Genoa. The wind was SW² in our Islands and over the North Sea, S² over Sweden and the Baltic and NE² in the northwest of Norway. In France, however, it was chiefly NW² and in Spain N² or NE², while in Italy it was very variable. In the west and northwest of our Islands the SW¹ wind blew strongly. The weather was somewhat changeable and showery over northwestern Europe, but fair or fine or fair in most other regions. Temperature had fallen a little over the United Kingdom and the north of France, but changed irregularly elsewhere; readings ranged from 70° and upwards in many parts of Southern Europe to 55° or less in the north of Scotland and the northern and central parts of Russia, — the report from Archangel was however not to hand. The highest individual readings were 77° at Brindisi, 75° at Sicina and Malta, 74° at Kise and 73° at Toulon and Algiers; the lowest were 53° at Uleaborg, Moscow and Sumburgh H^d, 54° at Kavin, 55° at Haparanda, Cracow and Ardrossan, and 56° at Kuopio. Lemberg, Aberdeen, Malin H^d and Donaghadee.

In the course of the day the depression off the northwest of Scotland travelled slowly northeastwards, but some shallow subsidiary disturbances advanced over Ireland and England occasioning showers in many places, with thunder and lightning over our eastern and midland countries.

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 29TH AUGUST 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.															
			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 ..	29.80	57	S	2	bc	29.71	-15	56	56	-2	SW	6	bc	*	68	84	0.51													
Hernösand ...	29.68	55	SW	4	C	29.82	+04	54	52	-2	SW	4	bc	*	68	52	0.00													
Stockholm ...	29.89	58	S	0	C	29.91	+01	62	59	+1	S	0	bc	*	70	55	0.04													
Wisby ...	29.99	59	SW	4	C	29.94	-02	60	58	-4	S	2	bc	*	72	57	0.04													
Bodö ...	29.58	55	S	4	C	29.62	+04	50	48	-7	WSW	4	bc	2	68	40	0.08													
Christiansund...	29.54	54	SW	1	C	29.52	-01	56	51	-2	S	1	C	1	57	54	0.16													
Skudesnaes ...																														
Christiana Fjord (Farder)	29.75	58	SW	8	bc	29.57	-18	60	58	+2	SW	7	C	4	60	53	0.89													
Skagen (The Scaw)	29.80	57	SW	1	C	29.55	-17	60	58	+1	S	6	C	4	62	54	0.20													
Fanö ...	29.75	54	SW	6	C	29.50	-24	59	57	+2	SW	6	bc	*	68	57	0.04													
BRITISH ISLANDS.																														
Samburgh Head	29.42	52	SW	1	C	29.41	0.0	51	51	-1	SW	1	C	2	58	47	0.11													
Stornoway ...	29.44	53	W	2	C	29.47	+03	53	52	-1	SW	2	bc	2	60	46	0.40													
Wick ...	29.46	53	W	2	C	29.49	+03	53	52	-2	N	2	C	1	59	42	0.15													
Nairn ...	29.46	57	SW	1	bc	29.50	+04	55	52	0	SW	1	bc	1	66	49	0.03													
Aberdeen...	29.50	62	SW	2	bc	29.52	+02	57	52	+2	WNW	2	bc	1	64	49	-													
Leith ...	29.52	61	W	3	C	29.58	+06	58	53	0	W	4	C	*	65	49	-													
Shields ...	29.52	54	S	0	C	29.68	+04	58	52	-2	SW	4	C	2	59	48	0.20													
Spurn Head ...	29.44	59	SW	5	C	29.70	+11	57	54	+1	WNW	5	bc	2	65	52	0.20													
York ...	29.58	58	WNW	1	C	29.70	+07	56	52	+2	W	2	C	*	58	49	0.71													
Loughborough	29.44	57	SW	2	C	29.80	+03	54	53	-1	WNW	4	C	*	60	49	1.60													
Ardrossan ...	29.52	57	SW	2	C	29.62	+02	55	52	-1	WNW	4	C	2	58	52	0.03													
Malin Head ...	29.55	56	W	4	bc	29.62	+06	52	51	-3	WNW	2	C	4	59	50	0.89													
Mullaghmore ...	29.61	57	WNW	6	C	29.68	+05	52	51	-2	WNW	5	C	4	61	50	0.29													
Belmullet ...	29.66	56	WNW	6	C	29.70	+06	56	52	0	W	5	C	*	59	52	0.12													
Donaghadee ...	29.57	56	WNW	2	bc	29.70	+04	53	52	-1	WNW	4	C	2	62	52	0.01													
GERMANY.																														
Barrow-in-Furness	29.52	53	WNW	2	C	29.71	0.0	54	52	-2	SW	4	C	*	58	52	0.56													
Liverpool (Bidston)	29.52	57	WNW	4	C	29.77	+02	54	52	-1	WNW	5	C	4	56	50	0.72													
Holyhead ...	29.59	51	WNW	2	C	29.78	+06	53	52	-1	WNW	4	C	4	57	51	0.41													
Parsonstown ...	29.60	56	SW	2	C	29.80	+09	52	49	-2	SW	2	C	*	60	48	0.10													
Valencia ...	29.87	57	WNW	2	C	29.88	+01	53	52	+2	WNW	2	C	5	62	51	0.19													
Roche's Point...	29.74	58	WNW	4	C	29.87	+16	54	52	+1	W	4	bc	4	60	50	0.55													
Pembroke ...	29.65	51	WNW	2	C	29.87	+14	57	52	+1	WNW	5	bc	4	59	50	1.43													
Scilly ...	29.82	57	WNW	7	C	29.93	+21	55	52	-5	W	6	C	5	65	54	0.20													
Prawle Point ...	29.62	58	WNW	2	C	29.98	+16	58	54	0	WNW	4	bc	2	59	50	0.25													
Jersey ...	29.76	62	WNW	4	C	30.05	+05	60	55	-2	W	4	bc	4	69	56	0.79													
FRANCE & NETHERLANDS.																														
Hurst Castle ...	29.59	61	SW	6	C	29.95	+06	59	56	-1	W	7	bc	5	68	54	0.60													
Dungeness ...	29.67	62	SW	5	C	29.90	+03	59	54	-5	WNW	5	C	5	64	52	0.46													
London ...	29.59	61	SW	4	C	29.90	+01	59	58	0	W	2	C	*	62	52	0.87													
Oxford ...	29.46	58	SW	4	C	29.89	+03	54	51	-2	W	2	C	*	61	49	0.67													
Cambridge ...	29.49	62	S	0	C	29.84	-02	56	53	-2	S	2	bc	*	62	48	0.44													
Yarmouth ...	29.62	60	SW	6	C	29.78	-10	56	53	-2	WNW	4	bc	2	62	50	0.69													
GERMANY.																														
Cuxhaven ...	29.95	59	SW	2	C	29.66	-28	61	59	+1	SW	7	bc	*	66	59	-													
Berlin ...	30.01	59	NE	1	C	29.85	-18	66	61	+3	S	2	C	*	77	61	-													
Wiesbaden ...	*	*	*	*	*	29.99	-11	62	58	+1	W	4	C	*	73	57	-													
Munich ...	30.08	62	NE	1	C	30.08	-03	64	60	+5	SW	5	C	*	73	54	-													
FRANCE & NETHERLANDS.																														
The Helder ...	29.69	62	S	4	C	29.71	-19	58	54	-2	WNW	7	C	4	64	58	0.22													
Brussels ...	*	*	*	*	*	29.74	-12	57	54	-3	SW	7	bc	*	70	54	0.38													
Cape Gris Nez...	29.68	65	WNW	8	C	29.91	+04	57	56	-3	WNW	2	C	7	68	58	0.71													
Paris ...	29.94	67	SW	2	C	30.09	+02	58	50	-4	W	1	C	*	70	41	0.04													
Brest ...	29.91	60	WNW	7	C	30.10	+06	58	54	-3	W	5	C	4	72	46	0.16													
Lorient ...	29.88	62	WNW	8	C	30.11	+05	60	56	-2	WNW	4	bc	5	66	57	0.20													
Rochefort ...	30.10	66	WNW	7	C	30.19	0.0	59	55	-8	N	5	C	2	72	54	-													
Belfort ...	30.07	69	W	1	C	30.12	+03	60	57	-3	W	1	C	*	72	56	0.08													
Lyons ...	30.04	68	NE	7	C	30.11	+06	59	57	0	WNW	1	C	*	72	58	-													
Nice ...	29.97	62	S	0	bc	29.97	0.0	71	60	0	NE	2	bc	1	82	63	-													
PERIN- SULA.																														
Perpignan ...	30.04	72	W	2	C	30.14	+01	70	62	+4	WNW	4	C	*	83	63	-													
Biarritz ...	30.14	71	N	2	C	30.15	-10	67	62	+3	SW	2	C	2	73	61	-													
FRANCE & NETHERLANDS.																														
Corunna ...	*	*	*	*	*	30.11	-02	69	62	+1	N	5	C	2	88	64	-													
Lisbon ...	30.09	72	WNW	2	C	30.11	-02	69	62	+1	N	5	C	2	88	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

WEDNESDAY - 29th AUGUST.

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.

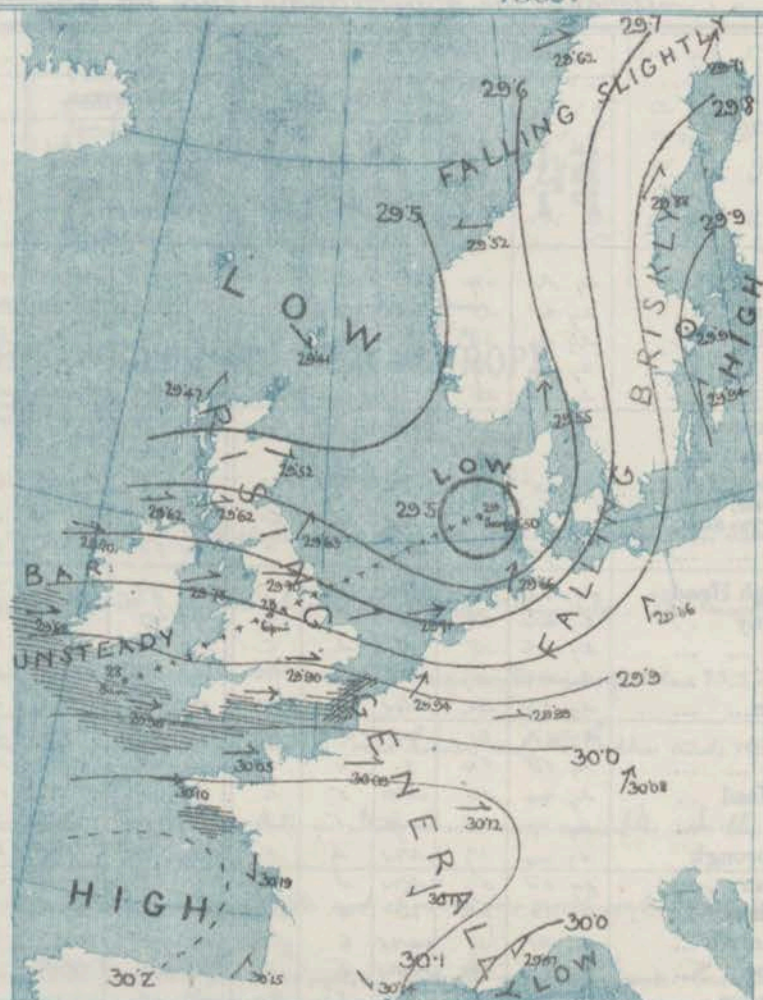
Sea Disturbance — where considerable is shown thus.

▨ = Rough ▨ = High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head.	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roches Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.980
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



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.

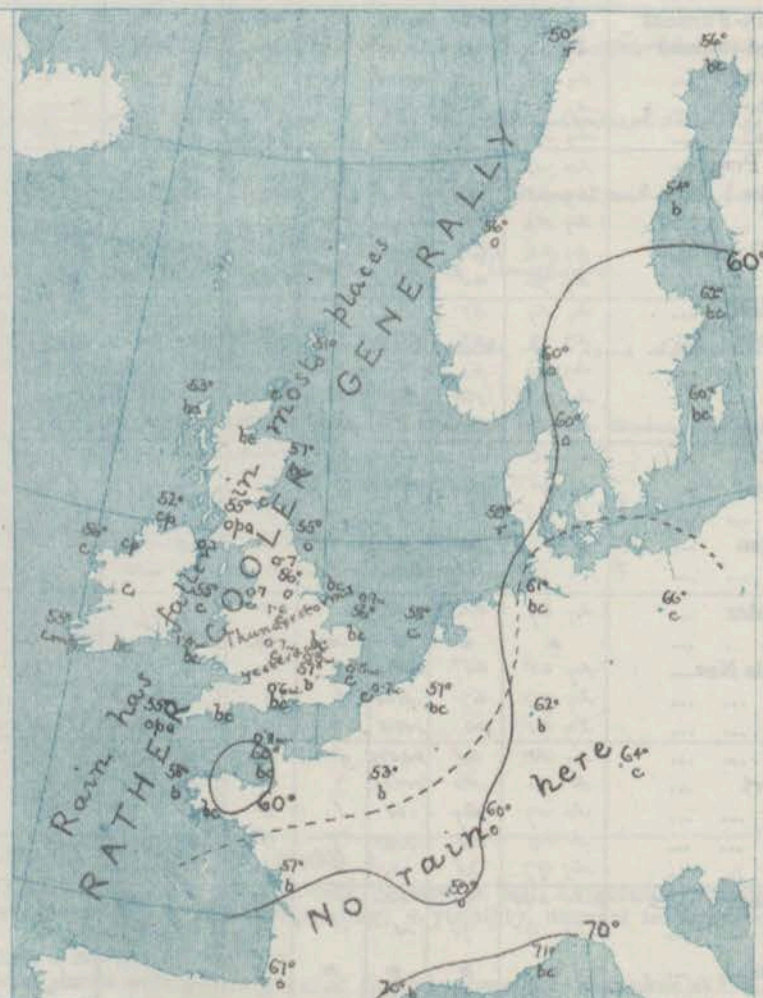
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of August

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.8	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	65.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.80
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roches Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	58.7	61.4	57.8	2.20
Oxford	69.2	55.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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 the Bay of Biscay and Central France, and 29.9 ins. and more over the Gulf of Bothnia.
Lowest, 29.5 ins. and less off the north of Scotland, and also in a small depression near Paris.
Gradients rather steep for W. winds over our Islands and Holland.
Barometer rising in the south-east and east of England, somewhat in the west.

TEMPERATURE

Highest, 70° to 71° in the south of France, 69° at Dieppe, 67° at Biarritz, 66° at Brest, 65° at Bristol and Jersey.
Lowest, 50° at Rodez, 51° at Lumburg, 49° at Malin Ht., and 53° at Harroway, Mullaghmore and Paris.

WIND

It has fallen rather considerably over the northern and central parts of France since yesterday.
Moderate from the Wnd in Ireland and Scotland, fresh over England, strong in the Channel.
In the Netherlands there is a moderate gale from SW and S, and at London from E.
A fresh gale from between SW and NW was felt at our southern stations for a short time yesterday, and in the Channel at night.
Fair at present at our eastern and southern stations—rains at Paris.

WEATHER

Showery at several of our western stations, and squally at Lillie.
Heavy rain fell in many parts of England and Wales yesterday, and thunder occurred in some localities.

SEA

High at C. G. K. rough in the Channel generally, moderate off the west of Ireland and in the Irish Sea, smooth on our NE coast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression noticed off the south of Ireland yesterday morning grew much deeper as it moved eastward and caused the gales and heavy rains referred to above. Its centre is now over the eastern part of the North Sea.

The present distribution of pressure is favourable for a continuance of somewhat showery changeable weather, but there is no definite indication of any new depression of importance at present.

FORECASTS

For the 24 hours ending at NOON on 30th AUGUST 1888.

DISTRICTS.

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

FORECASTS.

SW^{ly} breezes, moderate to fresh, changeable, fair to showery.
W^{ly} breezes, moderate, fair, then SW^{ly} breezes, moderate and showery.
W^{ly} and SW^{ly} breezes, moderate; changeable, showers with bright intervals.

DISTRICTS.



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

FORECASTS.

Wind backing to SW. or S. again; unsettled, showery.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.65	59	54	SSW	6	c	5	Holyhead ...	29.60	58	51	NNE	1	rm	2
Sumburgh Head ...	29.43	53	51	SW	1	o	3	Valencia ...	29.75	62	58	WNW	4	cg	4
Stornoway ...	29.41	57	55	SW	4	c	4	Scilly ...	29.60	63	62	SW	7	og	6
Aberdeen ...	29.51	64	55	SSW	4	bc	2	Jersey ...	29.85	69	64	S	5	bc	4
Shields ...	29.62	57	53	SW	3	o	2	Dungeness ...	29.80	63	60	WSW	5	c	4
Ardrossan ...	29.58	57	55	SSW	4	c	3	London ...	29.74	62	59	S	4	or	*
Malin Head ...	29.55	56	53	WSW	4	bc	4	Yarmouth ...	29.76	61	60	SSW	5	cd	4
Mullaghmore ...	29.60	60	56	W	5	c	4	Rochefort ...	30.15	68	64	WSW	5	o	2
Belmullet ...	29.62	58	54	WNW	5	c	*								

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

Continental Information not received.

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.

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DAILY WEATHER REPORT.

for THURSDAY 30TH AUGUST

1888.

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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 ...	29.86	54	SW	2	C	29.61	-1.10	53	53	+2	SW	4	6c	*	66	?	0.04	
	Hernösand ...	29.64	58	S	2	C	29.62	-1.26	51	48	-3	SW	3	6c	*	62	48	0.04	
	Stockholm ...	29.73	60	S	0	C	29.92	+1.02	57	53	-5	SW	4	0	*	68	50	0.08	
	Wisby ...	29.85	59	S	4	C	30.03	+1.09	58	55	-2	SW	4	6	*	75	54	0.68	
	Bodö ...	29.50	60	SW	4	C	29.15	-1.47	53	50	+3	SW	4	C	2	61	48	-	
	Christiansund ...	30.21	53	SW	2	C	29.56	+1.04	50	49	-6	SW	3	C	4	?	48	0.47	
	Skudesnaes ...	29.60	53	WNW	6	C	29.76	-	56	53	-	SW	4	0	5	59	52	-	
	Christiania Fjord (Fjord)	29.41	56	SW	9	C	29.81	+1.24	58	54	-2	SW	5	6	4	61	55	0.08	
	Skagen (The Sound)	29.69	53	SW	3	C	29.90	+1.25	58	51	-7	SW	2	6c	3	62	52	0.12	
	Fanö ...	29.86	56	WNW	6	C	29.92	+1.42	56	52	-3	WNW	4	C	*	61	58	0.04	
BRITISH ISLANDS.	Sumburgh Head	29.47	50	WNW	1	C	29.67	+1.26	49	47	-2	S	0	0	1	56	44	-	
	Stornoway ...	29.53	57	W	5	C	29.69	+1.22	51	51	-2	WNW	5	2	4	57	45	0.60	
	Wick ...	29.54	52	S	0	C	29.69	+1.20	53	53	0	W	1	6c	1	57	48	0.76	
	Nairn ...	29.55	54	WNW	1	C	29.68	+1.18	53	51	-2	SW	1	6c	1	62	46	0.04	
	Aberdeen ...	29.61	54	NNE	1	C	29.75	+1.28	53	49	-4	S	1	6c	1	63	40	0.13	
	Leith ...	29.65	53	W	2	6c	29.76	+1.18	53	50	-5	NNE	1	C	*	60	44	0.01	
	Shields ...	29.70	57	SW	2	0	29.81	+1.18	53	50	0	SW	3	C	2	60	46	0.12	
	Spurn Head ...	29.81	57	W	4	6c	29.89	+1.19	53	51	-4	WNW	4	6	2	61	48	0.12	
	York ...	29.78	56	WNW	2	C	29.87	+1.17	51	49	-5	S	1	6	*	61	45	0.04	
	Loughborough	29.85	55	WNW	2	C	29.91	+1.11	52	51	-2	SW	2	C	*	64	48	0.12	
GERMANY.	Ardrossan ...	29.65	56	WNW	4	6c	29.77	+1.15	53	52	-2	SW	3	C	3	60	52	0.14	
	Malin Head ...	29.65	56	W	4	6c	29.78	+1.16	52	51	0	WNW	5	ogf	4	58	50	0.17	
	Mullaghmore ...	29.70	57	W	5	6c	29.90	+1.22	54	51	+1	WNW	6	0	5	59	50	0.20	
	Belmullet ...	29.73	56	WNW	5	C	29.98	+1.28	54	48	-2	WNW	4	C	*	58	52	0.08	
	Donaghadee ...	29.71	53	WNW	2	C	29.82	+1.12	50	50	-3	SW	3	C	1	64	50	0.07	
	Barrow-in-Furness	29.74	56	WNW	6	6c	29.83	+1.12	53	52	+1	SW	4	6c	*	59	51	0.20	
	Liverpool (Bidston)	29.80	55	WNW	3	C	29.88	+1.11	53	51	+1	SW	1	6	3	60	46	0.08	
	Holyhead ...	29.80	51	SW	4	6c	29.86	+1.08	54	52	-1	WNW	3	cf	2	60	50	0.10	
	Parsonstown ...	29.80	54	WNW	3	6c	29.93	+1.13	53	51	+3	WNW	2	0	*	58	49	0.22	
	Valencia ...	29.88	54	WNW	3	0	29.07	+1.19	56	51	+1	W	4	ogf	5	62	52	0.31	
FRANCE & NETHERLANDS.	Roche's Point ...	29.88	53	W	4	6c	29.92	+1.05	53	53	+1	WNW	4	6c	4	60	51	0.18	
	Pembroke ...	29.87	57	WNW	5	6c	29.92	+1.05	56	53	-1	W	4	6c	3	58	53	0.15	
	Scilly ...	29.99	59	W	5	C	30.02	+1.03	58	54	+3	W	5	C	5	63	54	0.06	
	Prawle Point ...	29.99	57	WNW	5	6c	30.02	+1.04	57	54	-1	WNW	5	6c	4	60	53	-	
	Jersey ...	30.07	61	W	4	C	30.09	+1.04	60	58	0	W	4	6c	3	64	55	-	
	Hurst Castle ...	29.98	60	W	7	C	30.00	+1.05	60	55	+1	W	7	6c	5	64	53	-	
	Dungeness ...	29.96	59	W	5	C	30.00	+1.10	56	54	-1	WNW	4	2	4	65	52	0.47	
	London ...	29.95	58	SW	3	C	29.99	+1.09	57	52	0	SW	2	6c	*	64	48	0.10	
	Oxford ...	29.95	53	SW	2	6	29.96	+1.07	53	50	-1	SW	2	0	*	63	47	0.06	
	Cambridge ...	29.89	58	SW	2	C	29.96	+1.12	53	52	-3	SW	1	6	*	67	48	-	
PENINSULA.	Yarmouth ...	29.88	60	SW	3	6	29.93	+1.15	53	53	-1	WNW	3	6	2	63	48	0.53	
	Cux-ven ...	29.97	55	W	4	6	30.06	+1.40	53	54	-6	SW	3	6	*	61	53	-	
	Berlin ...	30.09	63	W	1	6	30.12	+1.27	57	53	-9	S	1	0	*	77	52	-	
	Wiesbaden ...	*	*	*	*	*	30.12	+1.13	58	52	-7	S	0	6	*	68	48	-	
	Munich ...	30.18	60	E	1	C	30.11	+1.02	59	57	-5	NNE	3	6	*	72	55	-	
	The Helder ...	29.92	59	SW	5	C	29.97	+1.26	53	54	0	SW	3	C	3	63	57	-	
	Brussels ...	*	*	*	*	*	30.07	+1.18	57	54	0	SW	3	C	*	67	54	-	
	Cape Gris Nez ...	29.98	59	W	7	C	30.01	+1.10	58	56	+1	WNW	5	C	5	63	53	-	
	Paris ...	30.08	62	SW	1	6	30.12	+1.03	?	51	?	SW	1	6c	*	70	50	-	
	Brest ...	30.12	61	W	7	0	30.14	+1.04	58	55	0	W	4	6	4	?	46	-	

WEATHER CHARTS

for 8 a.m. on

Thursday, 30th August

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isochors 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.

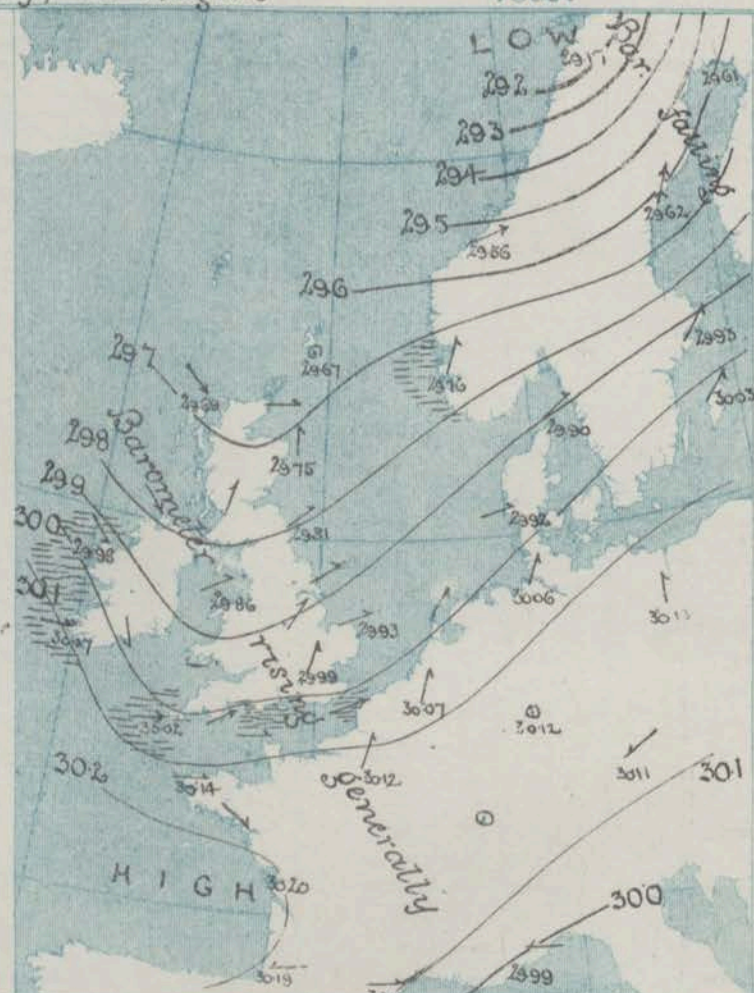
Sea Disturbance — where considerable is shown thus.

— Rough. — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS
Sumburgh Head	29.733
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.2 ins. and more over the Bay of Biscay, 30.1 ins. and more in a band extending thence across France and North Germany.</p> <p>Lowest, 29.7 ins. and less, in a large depression approaching the north of Scandinavia.</p> <p>Gradients rather steep in the far north, moderate elsewhere — for SW winds in the West, and for NW winds in the east.</p> <p>Barometer rising throughout our Islands — most in the west.</p>
TEMPERATURE	<p>Highest, 68° to 69° in the south of France, 66° at Lissow, 60° at Rochfort, Jersey, and Hunt Castle.</p> <p>Lowest, 49° at Sumburgh Head, 53° at Christiansund and Ronghede, 51° at Hornøya and York, 52° at Malin Head and Loughrough.</p> <p>It is inclined to decrease generally; in Germany the fall is considerable.</p>
WIND	<p>SW^{ly}, strong to a gale over Scandinavia — SW^{ly}, moderate over the North Sea and east of England.</p> <p>W^{ly}, strong in the Channel. NW^{ly}, moderate to strong in Ireland and at Hornøya.</p> <p>In Spain and the south of France the wind is N^{ly} to E^{ly}.</p>
WEATHER	<p>Fine and bright at present over the eastern parts of England, but appearance not settled.</p> <p>Cloudy and showery in the west and at Copenhagen; fine in France and Germany.</p> <p>Rain fell at almost all stations and hail in some places. Thunderstorms have occurred locally over England.</p>
SEA	<p>Still rough in the southwest and south and off the west of Ireland, as well as at Skutumpah, moderate or slight elsewhere.</p>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A shift of wind to the northwest, with colder weather is likely to take place over England and Scotland during the coming day and showers of rain will probably fall in nearly all localities.

FORECASTS

for the 24 hours ending at NOON on 31st AUGUST 1888.

DISTRICTS.

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

FORECASTS.

NW^{ly} and W^{ly} winds, fresh; some showers, colder.

W^{ly} breezes, moderate, followed by NW^{ly} breezes; showery, becoming colder.

W^{ly} breezes, fresh; squally, showery; then NW^{ly} and colder.

DISTRICTS.

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

FORECASTS.

NW^{ly} winds, fresh; colder, 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.
Skudesnæs ...	29.68	53	52	SW 8	2	6	Holyhead ...	29.79	57	54	SW 5	29	5
Sumburgh Head ...	29.44	53	51	NW 1	0	3	Valencia ...	29.89	59	53	W 5	62 p	6
Stornoway ...	29.49	53	52	W 2	0	3	Scilly ...	30.00	62	57	SW 5	29	4
Aberdeen ...	29.56	56	52	SW 2	0 p	5	Jersey ...	30.03	62	56	WNW 5	2 m	4
Shields ...	29.69	58	51	WNW 2	0	2	Dungeness ...	29.94	62	57	W 6	0	5
Ardrossan ...	29.64	58	58	WNW 4	0	3	London ...	29.94	58	55	W 3	0 p	*
Malin Head ...	29.63	56	52	W 4	0	4	Yarmouth ...	29.85	62	58	WNW 4	62	3
Mullaghmore ...	29.69	57	52	W 5	0	4	Rochefort ...	30.52	71	67	NW 4	0	2
Belmullet ...	29.72	58	51	WNW 5	0	*							

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 30.3 in. was lying over Central Russia, while another high pressure system, with readings above 30.1 in., existed over Spain and the greater part of France. The lowest pressure, 29.5 in. and less, was found in a large area lying to the northward of our Islands, and also in a small but well defined depression which had traversed our Islands in the course of the preceding twenty-four hours, and whose centre lay off the west coast of Denmark. The wind was W² or SW² over our Islands and the Netherlands, and S¹ over Sweden, Denmark and the Baltic. In the west and south of France and the west of Spain it drew into NW or N, while in Italy it was light and variable. The weather was fine in Spain, Austria, and Algeria, but changeable and showery in our Islands, and rainy at some of the Danish and German stations. Temperature had risen a little in several parts of Central and Southern Europe, but fallen elsewhere; readings ranged from 75° and upwards at some of the Spanish and Algerian stations and 70° and upwards in Italy to 53° or less in the eastern and northern parts of our Islands and to 50° or less in the north of Scandinavia. The highest individual readings were 73° at Berlin, 71° at Barcelona and San Fernando, 76° at Rimini and Algiers and 75° at Malta; the lowest were 50° at Rodeo and Barronstown, 51° at Sumburgh Head, 52° at Malin Head, 53° at Stornoway, Mullaghmore, Donaghadee and Paris, and 54° at Herisand, Moscow, Loughborough, Barrow in Linnies, Liverpool, Rocher Point and Oxford.

In the course of the day the depression off the Danish coast moved northward to the south of Sweden, but shallow disturbances advanced over our Islands from the W² and showery weather continued in most districts, with thunder at some of the English 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. equally; 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 31ST AUGUST 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 ..	29.82	55	WN	4	6c		29.96	+1.25	54	54	-4	SW	2	6	*		64	50	-
Hernösand ...	29.95	57	NW	2	c		30.02	+1.40	54	51	+3	S	2	6	*		68	52	0.12
Stockholm ...	30.07	58	S	0	2		30.08	+1.15	61	57	+4	SWW	2	0	*		64	54	-
Wisby ...	30.13	59	SW	4	6		30.13	+1.10	58	57	0	SWSE	4	0	*		66	54	-
Bodö ...	29.67	50	SW	5	0		29.83	+1.68	50	47	-3	SWW	4	C	2		54	43	0.04
Christiansund...	29.84	52	WNW	1	0		29.92	+1.07	50	49	0	SW	3	2	3		54	48	0.08
Skudesnaes ...	29.90	55	SWW	2	C		30.02	+1.26	54	51	-3	SWSE	2	C	4		59	54	-
Christiania Fjord (Færdor)	29.96	57	S	5	6		30.02	+1.21	57	53	-4	WNW	2	6	2		59	54	0.08
Skagen (The Scaw)	30.00	55	W	2	6		30.05	+1.15	54	53	+1	SW	1	6	1		63	50	0.35
Fanö ...	30.02	54	SWW	2	6		30.05	+1.13	56	53	0	SWW	2	6	*		63	50	-
BRITISH ISLANDS.																			
Sumburgh Head	29.80	49	NE	1	0		30.00	+1.20	49	47	0	N	1	C	1		53	45	0.07
Stornoway ...	29.90	53	NW	4	6c		30.10	+1.41	53	52	-1	W	2	6c	2		55	44	0.30
Wick ...	29.79	53	N	3	6c		30.10	+1.41	52	50	-2	N	1	6c	1		58	42	0.18
Nairn ...	29.81	52	SW	2	C		30.11	+1.43	50	48	-2	SW	2	C	2		60	45	0.16
Aberdeen...	29.85	50	WNW	2	6c		30.13	+1.38	53	49	0	WNW	2	6c	1		60	43	0.08
Leith ...	29.89	57	W	2	6c		30.17	+1.41	53	48	0	W	1	6c	*		62	43	0.06
Shields ...	29.88	57	W	2	C		30.17	+1.36	52	48	-4	W	3	C	2		60	45	0.08
Spurn Head ...	29.91	59	W	3	6c		30.15	+1.26	52	50	-2	NW	3	6	2		64	49	0.01
York ...	29.91	58	W	3	6c		30.17	+1.30	52	49	+1	NW	3	6c	*		64	44	-
Loughborough	29.97	55	W	2	C		30.21	+1.30	54	52	+2	WNW	3	6	*		62	45	0.02
Ardrossan ...	29.93	56	WNW	5	6c		30.19	+1.42	56	55	+3	WNW	1	6c	1		53	45	-
Malin Head ...	30.00	54	WNW	5	6		30.22	+1.44	54	50	+2	NW	4	6c	4		55	51	-
Mullaghmore ...	30.08	55	NW	5	6c		30.27	+1.37	56	52	+2	WNW	4	C	2		59	51	0.03
Belmullet ...	30.12	56	NW	2	0		30.31	+1.33	56	52	+2	W	3	0	*		57	47	0.02
Donaghadee ...	30.01	54	N	3	C		30.26	+1.44	53	51	+3	WNW	3	C	1		59	48	0.07
GERMANY.																			
Barrow-in-Furness	29.97	56	NW	5	6c		30.20	+1.37	53	50	-3	NW	3	6c	*		59	50	0.01
Liverpool (Bldston)	30.00	57	WNW	3	0		30.24	+1.36	54	48	-6	WNW	4	6c	4		59	51	0.01
Holyhead ...	30.03	56	NW	4	6c		30.26	+1.40	56	52	+2	WNW	4	6	3		61	51	0.01
Parsonstown ...	30.13	56	NW	1	C		30.22	+1.39	50	48	-2	SW	1	C	*		61	43	0.02
Valencia ...	30.23	59	WNW	3	6c		30.26	+1.29	58	55	+3	W	1	6c	2		62	49	0.01
Roche's Point...	30.14	58	WNW	3	6c		30.27	+1.35	55	53	0	WNW	2	6c	3		61	50	-
Pembroke ...	30.07	58	WNW	3	6c		30.29	+1.37	56	52	0	NW	2	6c	2		59	55	-
Scilly ...	30.14	58	NW	4	6c		30.32	+1.30	58	53	0	NW	3	C	4		60	54	0.07
Prawle Point ...	30.10	57	WNW	3	6		30.31	+1.29	54	52	-2	WNW	2	C	1		60	46	-
Jersey ...	30.13	61	W	3	6		30.29	+1.30	60	55	0	WNW	3	6	3		63	54	-
Hurst Castle ...	30.00	60	W	6	6		30.26	+1.36	56	53	-3	WNW	3	6c	2		64	49	-
Dungeness ...	30.02	59	W	5	6c		30.20	+1.20	55	51	-4	NW	3	6	*		63	51	0.08
London ...	30.02	58	WSW	3	6c		30.22	+1.23	52	49	-3	W	1	6	*		63	47	0.30
Oxford ...	30.06	58	SW	2	6		30.24	+1.28	51	48	-3	NW	2	6	*		63	44	-
Cambridge ...	30.00	58	S	1	0		30.20	+1.24	53	51	0	SW	1	6	*		65	47	0.02
Yarmouth ...	29.98	58	SW	3	6c		30.14	+1.21	53	51	-2	WNW	3	6c	2		62	48	0.01
Cuxhaven ...	30.10	54	SWSE	1	2		30.14	+1.08	55	54	0	SWW	2	6	*		62	53	0.10
Berlin ...	30.10	61	SW	3	0		30.13	0.0	56	53	-3	NW	2	C	*		72	52	-
Wiesbaden ...	*	*	*	*	*		30.21	+1.09	58	51	-7	S	0	6	*		72	46	-
Munich ...	30.17	56	W	1	2		30.23	+1.12	52	52	0	NW	4	2	*		67	52	0.91
FRANCE & NETHERLANDS.																			
The Helder ...	30.02	58	SW	3	C		30.08	+1.11	58	55	0	WNW	1	0	2		64	57	0.08
Brussels ...	*	*	*	*	*		30.19	+1.12	54	52	-2	WNW	3	6	*		64	51	0.08
Cape Gris Nez...	30.04	59	SW	7	6c		30.19	+1.18	55	53	-2	NW	5	C	4		63	54	0.24
Paris ...	30.13	61	WNW	1	6		30.25	+1.13	51	49	0	S	1	6	*		71	45	-
Brest ...	30.21	59	WNW	4	6c		30.28	+1.24	54	52	-2	NNE	1	6	2		77	46	-
Lorient ...	30.21	61	WNW	7	6c		30.26	+1.23	54	52	-2	N	4	6	2		64	54	-
Rochefort ...	30.24	66	NW	5	C		30.30	+1.10	57	55	-2	SE	3	6c	2		75	52	-
Belfort ...	*	*	*	*	*		*	*	*	*	*	*	*	*	*		*	*	-
Lyons ...	30.17	57	N	1	C		30.25	+1.08	57	52	-5	WNW	3	6	*		66	53	0.04
Nice ...	29.98	72	E	1	6		30.02	+1.03	67	65	-2	E	3	C	0		82	63	-
Perpignan ...	30.12	60	NW	4	C		30.22	+1.12	58	55	-3	NW	3	0	*		75	54	0.07
Biarritz ...	30.23	64	NE	4	0		30.27	+1.08	59	55	-4	E	4	6c	2		68	55	0.04
PENINSULA.																			
Corunna ...	*	*	*	*	*		*	*	*	*	*	*	*	*	*		*	*	-
Lisbon ...	30.11	64	N	3	6		30.09	-0.02	61	55	-6	N	7	6	4		73	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

Friday, 31st August

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.

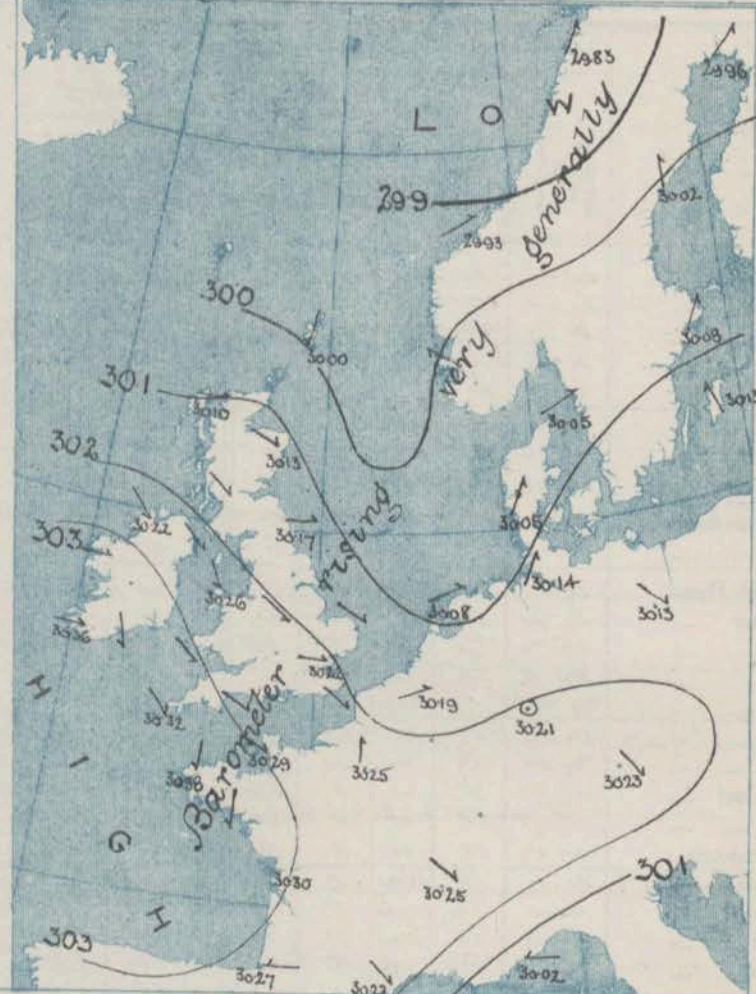
Sea Disturbance — where considerable, is shown thus.

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



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 August

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.80
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	61.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	58.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	78.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

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, 30.3 ins. and more, over the southwest of our islands, Brittany, and the Bay of Biscay, 30.2 ins. and more over South Germany.
Lowest, 29.9 ins. and less, over the north of Norway — 30.0 ins. over the Gulf of Genoa.
Conditions slight, favourable for NW winds in our islands and for SW in Scandinavia.
Barometer rising steadily, most in the north and north-west. The V-shaped depression is now over the North Sea.

TEMPERATURE

Highest, 67° at Nice. 61° at Lisbon, 59° at Biarritz and 58° at Valencia.
Lowest, 49° at Sumburg H^d, 50° in the northwest of Norway and at Naum, 51° at Oxford and 52° at York and in London.
It has been very low over Central England during the night and appears to be falling generally.

WIND

Still SW and S on the eastern shore of the North Sea, but has fallen light.
It has become NW, moderate, over England, the Channel and north of France.
N to NE over the Bay of Biscay. In Ireland and Scotland it is inclined to back towards SW again.

WEATHER

Clear at present in most places, but not settled.
Rain fell yesterday except at the southern stations — At Munich it is now raining heavily.
Thunderstorms have occurred over the greater part of England and the east of Scotland.

SEA

Moderate in the Irish Channel and at Shetland and Cape of Good Hope, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

It seems probable that as the high-pressure area in the southwest spreads northwards a general improvement in the weather will occur over Great Britain, but some showers are probable today over England, followed by a very good clear night.

FORECASTS

for the 24 hours ending at NOON on 1st September. 1888.

DISTRICTS.

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

FORECASTS.

W^{ly} and NW^{ly} breezes, light or moderate, some local showers.
Clear and cold at night.

DISTRICTS.



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

WARNINGS

FORECASTS.

NW^{ly} to SW^{ly} breezes, light, some showers, but fair as a whole.

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 ...	29.86	59	54	SW 6	c	5	Holyhead ...	29.95	58	55	NW 5	c q	4
Sumburgh Head ...	29.74	57	49	L 0	c	1	Valencia ...	30.18	61	56	NW 4	bc q	4
Stornoway ...	29.85	53	52	NW 5	bc	4	Scilly ...	30.00	59	55	NW 5	bc p q	4
Aberdeen ...	29.70	57	51	NE 2	c p t	1	Jersey ...	30.13	63	59	W 5	bc	4
Shields ...	29.83	58	57	SW 1	c p	2	Dungeness ...	30.01	60	57	W 6	c	5
Ardrossan ...	29.85	58	55	W 4	c q p	3	London ...	30.00	58	55	WSW 3	op	*
Malin Head ...	29.94	55	49	NW 5	bc	5	Yarmouth ...	29.94	62	56	SW 3	bc p	3
Mullaghmore ...	30.02	57	52	NW 5	c p v	4	Rochefort ...	30.22	71	62	WNW 4	c	2
Belmullet ...	30.09	56	52	NW 2	bc	*							

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

The reports for yesterday morning showed that the two anticyclonic areas were still lying over Europe, — one over Central Russia and the other over the Bay of Biscay. The lowest pressures 29.2 ins. and less, were found in a depression lying over Denmark, but a trough of V shaped secondary disturbances was advancing eastwards over the United Kingdom. The wind was NW¹ in Ireland and the west of Scotland but SW¹ or S¹ in most parts of northwestern, northern and central Europe. In Spain, Italy, and the southwest of France, however, N¹ or NE¹ breezes were reported, while in Algeria the wind was light and variable. The weather was rainy at some of the Scandinavian stations, and showery in the west of our Islands, but fair or fine in most other localities. Temperature had fallen at all but the Italian and Algerian stations, and readings ranged from 70° and upwards over Southern Europe to 55° or less in many parts of our Islands and Norway. The highest individual readings were 77° at Algiers and San Fernando, 76° at Barcelona, Brindisi, and Malta, and 73° at Leghorn, Cagliari, Toulon and Biskra; the lowest were 48° at Sumburgh, 50° at Christianmünd and Donaghadee, 51° at Moscow, Stornoway, York, and Charleville, and 52° at Loughmoult, Malin H¹ and Paris.

In the course of the day the trough of secondary disturbances over our Islands moved eastward to the North Sea occasioning heavy showers in most districts with thunderstorms locally. Temperature remained generally low for the time of year.

General Remarks on the Weather over Europe for 24 hours ended 8 a.m. August 29th 1888.

The reports for Tuesday morning showed that two anticyclonic systems were lying over Europe, — one with readings above 30.3 ins. over Central Russia, and the other with readings above 30.2 ins. over the north of Spain and the southern part of the Bay of Biscay. The lowest readings 29.4 ins. and less, were found in a depression lying off the northwest of Scotland, but a shallow area with readings below 29.9 ins. were reported over Italy. The wind was SW¹ over our Islands, the Netherlands, the North Sea, and the northern parts of France and Germany, and S¹ over Scandinavia and northern Russia. In the south of France and in Algeria, however, it was chiefly NW¹, while in Spain Italy and Austria it was somewhat variable. The weather was rainy in the south of our Islands and showery in most other parts of northwestern Europe. Elsewhere, however, conditions were mostly fair. Temperature had fallen a little in most places, and readings ranged from 75° and upwards at some of the Spanish, Algerian and Italian stations to 55° or less in many parts of our Islands and to 50° or less over Central Russia. The highest individual readings were 80° at Barcelona, 77° at Sfax, 76° at San Fernando and Brindisi, 75° at Malta, Algiers and Biskra, and 74° at Toulon, the lowest were 48° at Moscow, 52° at Sumburgh H¹ and Portmarnock, 53° at Valencia and Rochefort, and 54° at Stornoway, York and Donaghadee.

In the course of the day a shallow depression which had been lying off the south of Ireland increased considerably in depth and travelled NE¹ to our midland counties, occasioning heavy rain over England with thunder and lightning in places. On the Channel coast the wind rose to a gale from SW, while in the southwest of England it afterwards veered to the NW¹.

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 AUGUST 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.		SHADE TEMP.			WIND.		Weather.	Wind (0 to 12.)	Wind (10 to 12.)	SHADE TEMP.			
				Direc.	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.	Direc.	Force. (0 to 12.)				Max.	Min.	Amount of Rain.	
1	Hesperanda...	29.82	58	S	2	0	29.70	-.15	62	61	+ 1	ESE	2	c	*	*	72	54	0.12	
-	Corunna...	*	*	*	*	*	30.21	+ .20	63	57	- 4	SW	5	c	14	*	68	54	0.24	
2	Corunna...	*	*	*	*	*	30.31	+ .10	63	61	+ 3	W	1	0	3	*	68	54	0.08	
3	Corunna...	*	*	*	*	*	30.25	-.03	68	62	+ 5	Z	0	6	2	*	72	52	-	
4	Corunna...	*	*	*	*	*	30.34	+ .06	66	-	- 2	NNE	1	0	4	*	72	57	-	
6	Belfort....	30.02	56	W	4	+	30.15	+ .23	51	50	- 7	W	1	0	*	*	59	45	0.32	
-	Perpignan	30.06	74	NW	7	0	30.16	.00	66	59	- 1	NW	5	0	*	*	82	63	-	
-	Corunna...	*	*	*	*	*	30.32	-.02	66	62	+ 6	NNE	8	0	5	*	75	57	-	
7	Corunna...	*	*	*	*	*	30.17	-.15	69	68	+ 3	NNE	3	6	2	*	70	55	-	
8	Corunna...	*	*	*	*	*	30.01	-.16	83	71	+ 14	NNE	1	6	0	*	88	63	-	
9	The Helder...	30.14	59	SSW	1	f	30.15	+ .07	63	62	+ 3	SW	1	6	1	*	64	57	-	
-	Corunna...	*	*	*	*	*	29.97	-.04	76	69	- 7	SE	3	c	0	*	95	64	-	
11	Corunna...	*	*	*	*	*	30.20	+ .07	64	62	+ 6	ESE	3	6c	2	*	77	54	-	
13	Corunna...	*	*	*	*	*	30.14	+ .01	68	62	- 4	S	1	6	6	*	73	54	-	
14	Corunna...	*	*	*	*	*	30.04	-.10	69	66	+ 1	Z	0	f	6	*	72	55	-	
15	Corunna...	*	*	*	*	*	30.02	-.02	64	62	- 5	WNW	1	0	3	*	81	59	-	
18	Bungeness...	-	-	-	-	-	30.15	+ .08	51	48	- 3	N	5	0	4	*	61	48	-	
20	Corunna...	*	*	*	*	*	29.98	-.15	64	62	0	W	1	r	2	*	75	59	-	
21	Corunna...	*	*	*	*	*	30.03	+ .05	68	-	+ 4	S	5	6c	4	*	73	57	0.24	
22	Corunna...	*	*	*	*	*	30.19	-	65	?	-	WSW	4	6c	4	*	75	57	?	
23	Corunna...	*	*	*	*	*	29.97	-.22	66	60	+ 1	ESE	1	6	2	*	73	52	-	
27	Corunna...	*	*	*	*	*	30.23	-.10	68	67	+ 4	WSW	4	f	4	*	72	50	-	
29	SK. Alesna...	29.66	57	SSW	8	0	29.30	-.30	58	-	+ 1	SSE	8	r	8	*	59	57	1.34	
-	Corunna...	*	*	*	*	*	30.19	-.05	66	64	0	NNE	4	0	6	*	77	59	0.08	
30	Corunna...	*	*	*	*	*	30.15	-.04	65	59	- 1	NE	1	6c	5	*	70	52	-	
31	Belfort....	30.14	61	W	1	c	30.24	?	57	55	- 2	W	1	6c	*	*	64	52	-	
-	Corunna...	*	*	*	*	*	30.31	+ .16	64	59	- 1	NNE	8	6	6	*	72	57	-	

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 ...	29.808	51.0	46.2	55.2	50.7	39	11 th	59	3 rd 3 rd 25 th 26 th	0.333
	{ Wick ...	29.839	53.8	45.8	58.4	52.1	35	19 th	66	7 th 25 th 26 th	0.360
	{ Stornoway ...	29.801	53.7	45.9	58.0	52.0	33	15 th	64	8 th	0.376
1. SCOTLAND, E.	{ Nairn ...	29.833	54.5	48.7	63.1	55.9	38	19 th	73	25 th	0.344
	{ Aberdeen ...	29.880	53.9	47.4	60.2	53.8	35	19 th	69	25 th	0.328
	{ Leith ...	29.889	56.1	49.4	63.4	56.4	40	19 th	70	12 th + 25 th	0.357
2. ENGLAND, N.E.	{ Shields ...	29.915	55.2	49.5	61.7	55.6	43	19 th	71	7 th	0.352
	{ York ...	29.957	55.3	48.8	64.9	56.9	41	19 th	79	9 th	0.364
	{ Spurn Head ...	29.956	56.6	52.2	63.3	57.8	47	19 th	75	7 th	0.397
3. ENGLAND, E.	{ Yarmouth ...	29.979	58.0	52.2	64.2	58.2	44	19 th	79	10 th	0.404
	{ Cambridge ...	29.997	58.4	49.8	68.4	59.1	40	15 th + 16 th	85	9 th + 10 th	0.418
4. MIDLAND COUNTIES.	{ Loughborough ...	29.989	56.9	50.8	68.0	59.4	38	15 th	84	9 th + 10 th	0.403
	{ Oxford ...	30.015	56.5	51.1	65.9	58.5	40	19 th	80	9 th + 10 th	0.384
5. ENGLAND, S.	{ London ...	30.013	59.0	52.3	68.2	60.3	44	3 rd	85	10 th	0.394
	{ Dungeness ...	30.005	58.8	52.3	64.8	59.6	46	5 th	71	10 th	0.416
	{ Hurst Castle ...	30.034	59.1	54.7	65.2	60.0	48	31 st	71	9 th	0.442
6. SCOTLAND, W.	Ardrossan ...	29.890	55.6	51.1	60.7	55.9	42	1 st + 2 nd	70	22 nd	0.396
7. ENGLAND, N.W.	{ *Hawes Junction ...	28.914	51.9	46.4	58.0	52.2	36	1 st	72	9 th	0.349
	{ Barrow-in-Furness ...	29.940	55.2	52.2	60.9	56.6	45	16 th + 17 th	69	10 th	0.384
	{ Liverpool Obs ^r (Bidston) ...	29.962	57.0	51.7	63.7	57.7	46	16 th 17 th 19 th 30 th	75	10 th	0.367
	{ Holyhead ...	29.952	57.1	52.6	62.0	57.3	45	18 th	68	12 th	0.407
8. ENGLAND, S.W.	{ Pembroke ...	29.986	56.7	54.1	60.6	57.4	47	18 th	65	9 th	0.406
	{ Prawle Point ...	30.035	57.3	50.5	61.5	56.0	43	21 st	68	7 th + 9 th	0.416
9. IRELAND, N.	{ Malin Head ...	29.868	54.9	51.7	60.0	55.9	48	1 st + 2 nd	66	24 th + 25 th	0.390
	{ Donaghadee ...	29.924	55.5	51.7	62.0	56.9	45	15 th + 18 th	68	26 th	0.394
	{ Mullaghmore ...	29.894	57.2	52.1	62.7	57.4	45	1 st	70	20 th	0.384
	{ Belmullet ...	29.899	57.7	53.0	61.6	57.3	42	1 st	67	11 th	0.389
10. IRELAND, S.	{ Parsonstown ...	29.943	55.6	50.2	64.5	57.4	37	18 th	71	20 th	0.379
	{ Valencia ...	29.956	59.7	52.8	64.2	58.5	43	2 nd	69	16 th	0.420
	{ Roche's Point ...	29.956	57.6	52.4	63.3	57.9	45	18 th	74	6 th	0.412
CHANNEL ISLANDS.	{ Scilly (St. Mary's) ..	30.006	59.6	55.0	63.3	59.2	52	1 st 14 th 15 th 18 th	66	8 th 15 th 22 nd 23 rd	0.428
	{ Jersey (Noirmont) ...	30.066	60.8	55.6	66.1	60.9	49	19 th	79	9 th	0.433

* Hawes Junction is 1185 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 AUGUST 1888.

Thunderstorms and Gale 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								
		No. of Days of		Date	Rain	Snow	Hail	Thunderstorms	Clear Sky	Overcast	Gales	No. of Observation of								
		Total Fall in the month	Maximum Fall in one day									North	N.E.	East	S.E.	South	S.W.	West	N.W.	Calms
%		ins.	in.																	
89	8.5	2.68	0.71	12 th	22	0	0	0	2	21	0	5	0	2	3	5	3	3	5	5
86	7.6	4.04	0.76	29 th	20	0	1	1	2	16	1	7	2	0	2	11	2	3	4	0
91	8.4	5.86	0.60	22 nd + 29 th	24	0	0	0	0	19	6	0	3	5	2	2	10	3	2	4
81	6.0	1.49	0.31	7 th	19	0	0	1	3	7	0	1	1	1	0	0	11	5	1	11
79	6.5	2.09	0.41	22 nd	20	0	1	3	5	9	2	2	0	1	4	0	3	3	0	0
78	7.0	1.54	0.33	12 th	19	0	0	1	5	12	0	0	2	3	5	2	4	10	3	2
87	8.2	1.78	0.63	4 th	13	0	1	1	0	13	1	3	3	0	2	4	10	7	1	1
83	7.0	1.74	0.71	28 th	17	0	0	0	6	15	0	4	1	4	2	9	1	9	1	0
86	5.0	1.83	0.56	24 th	15	0	0	3	6	4	1	5	1	2	2	6	7	6	2	0
83	4.1	1.94	0.69	28 th	19	0	0	4	9	1	2	2	2	1	1	3	7	7	6	2
86	6.9	2.17	0.51	20 th	13	0	0	3	6	15	0	5	2	0	2	11	7	3	0	1
87	8.0	2.91	1.60	28 th	10	0	0	2	0	16	1	2	3	2	1	3	6	10	2	2
84	6.8	1.82	0.67	28 th	13	0	0	1	7	14	0	2	3	2	1	3	6	10	2	0
79	6.0	3.15	1.26	1 st	11	0	0	1	9	12	2	1	5	0	2	3	7	9	2	2
84	7.2	1.55	0.47	29 th	14	0	0	0	2	10	2	2	2	1	2	3	8	8	4	1
88	5.3	1.38	0.60	28 th	14	0	0	0	7	5	4	3	6	1	0	2	8	7	3	1
89	7.2	1.22	0.16	23 rd	17	0	0	0	5	16	1	1	2	2	1	10	7	4	3	1
91	7.9	5.73	1.46	4 th	19	0	0	2	5	23	0	3	3	3	2	7	10	1	1	1
88	7.2	4.23	0.88	4 th	18	0	0	1	2	16	4	2	3	4	4	3	7	0	8	0
79	7.2	2.48	0.72	28 th	20	0	0	2	5	14	1	0	2	2	10	3	7	9	2	0
87	6.4	2.20	0.48	4 th	19	0	0	0	6	9	2	1	2	1	1	7	11	3	2	3
88	6.4	3.19	1.43	28 th	17	0	0	0	5	13	2	1	1	5	2	8	7	5	2	0
88	6.3	1.62	0.46	20 th	19	0	0	2	5	10	5	1	4	3	1	6	5	9	2	0
91	6.9	4.10	0.59	3 rd	20	0	0	0	7	17	2	1	1	1	3	9	8	3	3	2
89	6.5	3.57	0.58	27 th	22	0	0	1	5	11	3	2	3	3	3	3	10	6	1	0
82	6.2	4.17	1.24	12 th	22	0	0	0	7	9	7	2	1	4	4	4	8	3	4	1
82	6.8	3.48	0.65	19 th	22	0	0	0	8	16	3	2	0	2	4	5	4	12	2	0
83	7.3	2.34	0.86	19 th	16	0	0	0	3	15	0	0	0	1	10	3	7	1	4	5
83	7.2	4.81	1.25	19 th	22	0	0	1	3	15	7	1	0	0	6	3	7	5	3	5
86	4.9	4.39	1.10	19 th	17	0	0	1	11	7	2	7	0	2	2	4	6	7	3	0
84	7.8	2.01	0.46	19 th	20	0	1	1	2	17	2	2	1	4	2	4	8	7	2	1
82	6.2	2.52	0.98	20 th	11	0	0	1	5	10	1	1	3	1	3	3	6	11	3	0

Barometric Observations at this Station are not corrected for altitude.

2. CORRECTIONS.

DATE.	STATIONS.	† YESTERDAY EVENING.					3 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. 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 3 a.m. yesterday.	Dry.	Wet.	Difference from 3 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
1	Donaghadee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.12	
-	Mullaghmore 2pm	-	-	-	-	-	-	-	-	54	-	-	-	-	-	-	-	-	
2	Gembroke....	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	
4	Belmullet...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.08	
-	London.....	-	-	-	-	-	30.14	- .10	-	-	-	-	-	-	-	-	-	-	
6	Gembroke...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	
7	Ardrossan..	-	-	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	
11	Hurst Castle	-	-	-	-	-	30.13	-	-	-	-	-	-	-	-	-	-	-	
12	Mullaghmore	-	-	-	-	-	-	-	-	54	-	-	-	-	-	-	-	-	
13	Leith.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.33	
-	Malin Hd..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.25	
15	Stornoway..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-	
-	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	62	-	-	-	
16	Stornoway..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-	
-	Jersey.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	
20	Ardrossan..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	
-	Mullaghmore	-	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	Ardrossan.. 2pm	-	-	-	-	-	-	-	-	-	-	2	3	-	-	-	-	-	
21	Liverpool...	29.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
23	Mullaghmore 2pm	-	-	-	-	-	30.24	-	-	-	-	-	-	-	-	-	-	-	
25	Garmouth...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11	
27	Ardrossan...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-	
30	Garmouth...	-	-	-	-	-	-	-	-	52	-	-	-	-	-	-	-	0.05	