

DAILY WEATHER REPORT

METEOROLOGICAL OFFICE

LONDON.

DAILY WEATHER REPORTS.

1ST JANUARY—30TH JUNE.

1888.

Soc. Reg. Lond.

DAILY WEATHER REPORT.

January to June 1888.



DAILY WEATHER REPORT.

for *Friday, 1st June 1888.*
Issued by the Meteorological Office, 116, Victoria Street, London. R.H. SCOTT, Secretary.

STATIONS.		† YESTERDAY EVENING.					9 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 2.)	Weather.	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	45	SE	2	0	29.60	- .46	44	44	- 1	S	4	0	*	54	34	0.24	
	Hernösand ...	29.67	43	Z	0	f	29.65	- .30	46	47	+ 5	Z	0	0	*	48	39	0.39	
	Stockholm ...	29.71	48	Z	0	S	29.68	- .16	56	52	- 1	Z	0	0	*	61	41	0.32	
	Wisby ...	29.78	50	S	4	C	29.78	- .06	50	48	- 5	SW	2	60	*	59	39	0.28	
	Bodö ...	29.53	48	SE	2	C	29.51	- .12	54	49	+ 8	ESE	2	6	1	54	45	-	
	Christiansund...	29.52	51	NE	2	0	29.53	+ .09	48	46	- 7	SE	1	0	1	63	45	0.43	
	Skudesnaes ...	29.58	47	SE	4	C	29.55	+ .03	46	45	0	SE	4	0	4	7	46	-	
	Christiania Fjord (Færdar)	29.63	51	SSW	5	C	29.60	- .05	51	48	+ 1	SW	4	6	3	?	45	0.35	
	Skagen (The Scaw)	29.68	48	Z	0	60	29.65	- .02	47	46	- 4	WSW	3	0	2	57	46	-	
	Fanö ...	29.77	48	WSW	5	C	29.84	+ .11	48	46	- 3	WSW	5	C	*	55	46	-	
BRITISH ISLANDS.	Sumburgh Head	29.36	46	SW	1	r	29.78	+ .51	41	37	- 6	N	5	0	5	57	39	0.06	
	Stornoway ..	29.63	45	NW	8	r	30.03	+ .73	43	41	- 4	NW	6	0	5	47	38	0.32	
	Wick ...	29.43	46	NW	5	0	29.94	+ .65	46	44	- 6	WNW	4	0	4	53	40	0.13	
	Nairn ...	29.61	47	W	5	C	30.01	+ .68	44	41	- 9	W	3	C	3	55	41	0.01	
	Aberdeen...	29.57	50	NW	5	C	29.96	+ .65	47	43	- 5	NW	5	C	3	61	43	-	
	Leith ...	29.69	52	W	6	60	30.06	+ .60	51	44	0	W	5	6	*	57	42	-	
	Shields ...	29.78	52	W	5	60	30.05	+ .52	49	44	- 2	WNW	5	6	2	58	42	-	
	Spurn Head ...	29.88	54	WNW	6	60	30.11	+ .38	49	46	- 3	WNW	6	C	3	57	45	-	
	York ...	29.87	54	W	6	6	30.13	+ .47	49	43	- 2	W	4	C	*	59	42	0.03	
	Loughborough	29.95	57	WNW	3	C	30.20	+ .41	51	45	- 2	WNW	4	0	*	62	45	-	
GERMANY.	Ardrossan ...	29.84	48	W	8	C	30.12	+ .59	50	46	- 4	W	4	6	2	54	43	0.03	
	Malin Head ...	29.93	47	WNW	5	60	30.17	+ .58	47	42	0	NW	3	C	3	49	44	0.02	
	Mullaghmore ...	30.05	50	NW	6	C	30.19	+ .45	49	45	0	ESE	2	0	2	54	43	-	
	Belmullet ...	30.08	51	NW	3	60	30.16	+ .33	50	47	- 1	E	2	0	*	52	47	-	
	Donaghadee ...	29.98	52	NW	4	6	30.18	+ .52	52	46	0	NW	3	60	2	56	44	0.04	
	Barrow-in-Furness	29.92	50	NW	6	60	30.16	+ .52	48	44	- 2	NW	4	60	*	54	46	0.15	
	Liverpool (Bidston)	29.97	53	W	6	6	30.20	+ .47	49	43	- 3	WNW	3	0	3	58	45	-	
	Holyhead ...	30.02	52	W	4	60	30.21	+ .42	50	47	- 3	Z	0	0	0	57	46	-	
	Parsonstown ...	30.03	56	W	1	C	30.18	+ .32	49	46	- 3	Z	0	r	*	59	45	-	
	Valencia ...	30.14	54	WNW	1	0	30.09	+ .10	54	53	+ 1	ESE	1	op	2	58	48	0.03	
FRANCE & NETHERLANDS.	Roche's Point...	30.09	58	WNW	3	60	30.15	+ .22	50	50	- 4	SE	5	rm	4	60	49	0.01	
	Pembroke ...	30.09	52	WSW	4	60	30.20	+ .28	50	49	0	S	3	op	2	53	48	-	
	Scilly ...	30.16	56	W	2	6	30.17	+ .14	55	55	0	SSW	4	f	4	57	51	-	
	Prawle Point ...	30.15	56	W	5	6	30.26	+ .24	54	50	+ 2	SSW	2	0	1	58	45	-	
	Jersey ...	30.17	57	WNW	3	6m	30.30	+ .23	55	52	+ 1	W	3	cm	3	59	46	-	
	Hurst Castle ...	30.09	61	WNW	3	6	30.26	+ .27	55	53	+ 1	WSW	3	C	2	61	49	-	
	Dungeness ...	30.00	54	WSW	6	60	30.20	+ .26	52	49	- 1	W	3	60	3	57	42	-	
	London ...	30.01	60	W	2	C	30.22	+ .28	57	50	+ 3	W	2	0	*	64	47	-	
	Oxford ...	30.07	55	W	3	6	30.23	+ .33	53	48	0	W	1	C	*	62	46	-	
	Cambridge ...	29.98	60	NW	1	C	30.20	+ .36	54	47	- 1	SW	1	C	*	67	42	-	
PENIN-SULA.	Yarmouth ...	29.92	61	WNW	4	6	30.15	+ .32	52	45	- 1	NW	4	60	3	62	42	-	
	Cuxhaven ...	29.95	52	WNW	4	0	29.95	+ .09	52	?	- 3	W	6	60	*	59	50	0.08	
	Berlin ...	29.95	62	W	3	6	30.02	+ .09	57	51	- 1	W	4	6	*	70	48	0.04	
	Wiesbaden ...	*	*	*	*	*	30.21	+ .17	57	50	- 3	W	2	60	*	68	48	-	
	Munich ...	30.16	54	SW	4	r	30.23	+ .16	56	53	- 2	W	3	0	*	63	50	0.24	
	The Helder ...	29.93	52	SW	3	C	30.10	+ .24	44	45	- 3	WNW	4	C	3	57	48	-	
	Brussels ...	*	*	*	*	*	30.23	+ .23	53	49	- 2	WSW	3	60	*	65	47	-	
	Cape Gris Nez...	30.02	53	SW	7	60	30.22	+ .26	53	50	0	WSW	1	60	2	55	48	-	
	Paris ...	30.12	62	SW	3	C	30.30	+ .19	53	49	- 3	SW	1	6	*	66	44	-	
	Brest ...	30.25	57	NW	3	6	30.30	+ .19	53	50	- 1	SSW	4	0	5	59	46	-	

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, 1st June.

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.

→ = force to 7, → = forces 4 to 7.

○ = dead calm

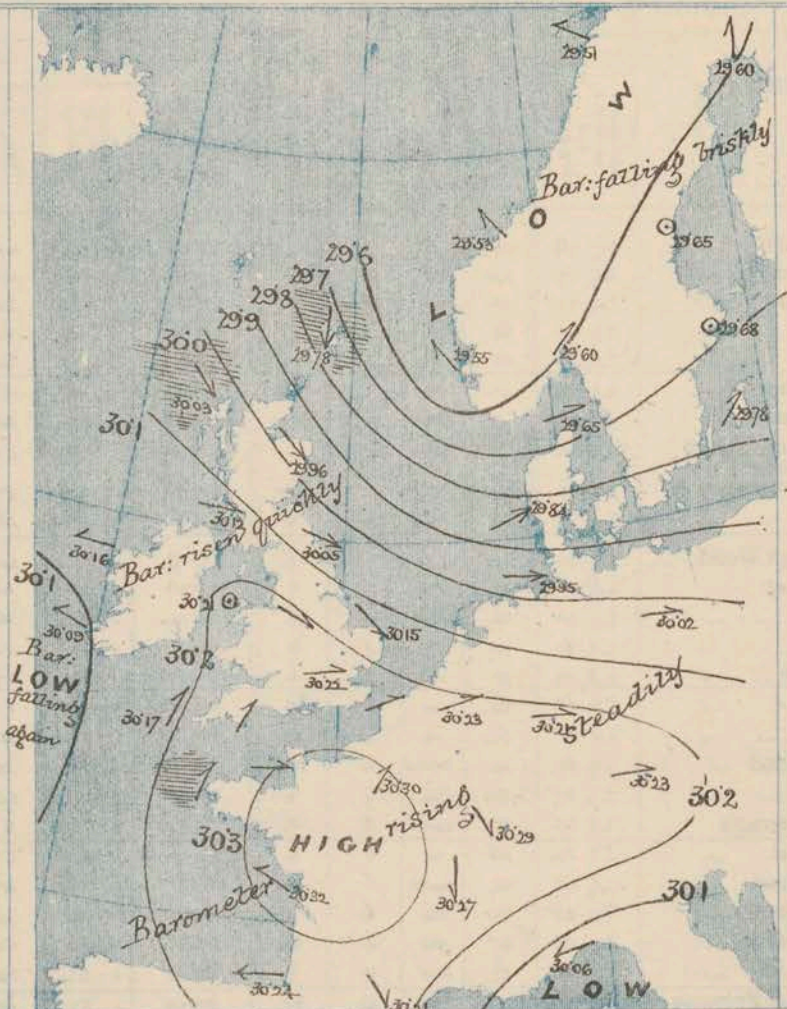
Sea Disturbance — where considerable is shown thus.

▨ = Rough ▨ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shields	29.928
York	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.964
Cambridge	29.967
Yarmouth	29.968



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.

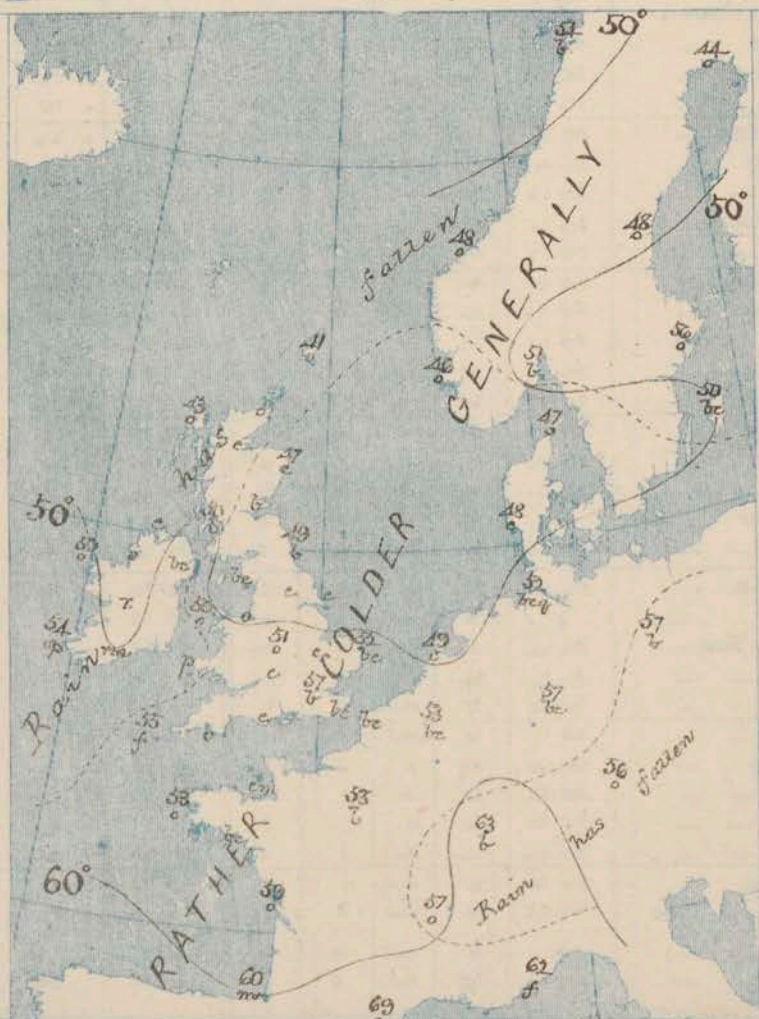
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of June.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	46.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.75
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	56.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	66.2	48.3	56.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.62
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.6	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.96
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	3.26
Pembroke	60.3	51.4	55.0	52.9	2.09
Scilly	61.1	53.0	57.2	55.0	1.94
Jersey	64.8	52.6	58.7	55.9	1.83
Hurst Castle	63.9	51.9	57.6	55.4	2.07
Dover	63.3	53.1	58.6	55.1	1.72
LONDON	69.3	50.6	59.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.40
Yarmouth	62.2	51.4	56.9	54.1	2.02

NOTE — The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 30 years 1666—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins. and upwards, in an anticyclone lying over France.
Lowest, 29.6 ins. and less, in a large area lying over Norway and the north of Sweden.
Gradients rather steep over the North Sea, but slight elsewhere.
Barometer falling a little in the south of Ireland and also in London, but rising elsewhere.

TEMPERATURE

Highest, 63° at Perpignan and Lisbon, 63° at Belfast, 62° at Nice, 60° at Livorno, and 59° at Rochefort.
Lowest, 41° at Nish, 45° at Hornøya, 44° at Haparanda and Nain, 46° at Skudsmo and Nish, and 47° at Skagen and Aberdeen.

WIND

Fresh from the NWnd in the north and east of our islands, but light or moderate from SE in Norway.
Light to fresh from the SEth in Ireland and the southwest of England; Eth in the west of France.
A fresh NWth gale was experienced in the west and north of Scotland during last evening or night.
Fine over the north and east of England, as well as in the Netherlands, Germany and Central France.

WEATHER

Cloudy or overcast elsewhere, with rain at several of our station stations and fog at Scilly.
Rain fell yesterday in Scandinavia and the north of our islands.

SEA

Rather rough off the north of Scotland as well as at Skerries, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which is approaching the south of Ireland will probably occasion rainy unsettled weather over the western and southern parts of the Kingdom. There are at present no reasons for supposing that the system is of any great depth.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW th winds, falling light and backing, fair generally.
1	SCOTLAND EAST	-----D°-----D°-----D°-----
2	ENGLAND N.E.	W th to SW th or S th breezes; fine to unsettled and some rain.
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as No 5
5	ENGLAND SOUTH	Wind backing to the S th or SE th ; fair to dull and some rain.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No 2
7	ENGLAND N.W.	Same as No 5
8	ENGLAND S.W.	S th and SE th winds, freshening; dull, some rain.
9	IRELAND NORTH	SE th winds, freshening; dull, some rain.
10	IRELAND SOUTH	-----D°-----D°-----D°-----

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 ...	29.58	49	46	SSE 6	c f	5	Holyhead ...	29.93	57	51	SW 5	bc q	5
Sumburgh Head ...	29.33	49	47	SSW 1	o	3	Valencia ...	30.12	57	52	NW 3	bc v	3
Stornoway ...	29.47	45	45	WNW 7	r	6	Scilly ...	30.13	57	53	W 3	b	4
Aberdeen ...	29.47	57	50	NW 3	e	2	Jersey ...	30.14	57	52	WNW 3	b	3
Shields ...	29.66	55	51	WSW 6	c p	2	Dungeness ...	29.97	56	52	WSW 6	e	5
Ardrossan ...	29.73	50	45	W 6	c	5	London ...	29.97	63	56	W 4	e	*
Malin Head ...	29.82	47	44	WNW 5	b	5	Yarmouth ...	29.86	61	51	W 6	bc q	3
Mullaghmore ...	29.96	50	46	WNW 6	bc	5	Rocheport ...	30.21	62	62	W 5	o	2
Belmullet ...	30.01	52	47	WNW 4	bc	*							

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

The reports for yesterday morning showed that pressure was increasing steadily over Southern and Eastern Europe, and quickly over the western and northern part of the British Islands, as the depression which had reached Ireland on the previous day was travelling away to the northward. The wind was strong from the SEnd and Snd over Scandinavia, the Baltic and northern Russia, but from SW. to W. over the Netherlands, British Isles and north of France, while in the south of France they were still NWth, but blew with less strength than on Wednesday. The weather was alternately showery and bright over the western countries, fair over Central and Eastern Europe. Temperature had increased decidedly in the north and slightly over France, but had changed irregularly over the British Isles; readings ranged from 70° and more over the Baltic, to rather above 50° over the British Isles and to rather below that value in the far north. The highest individual values at 8 a.m. were (?) 77° at Cagliari, 73° at Barcelona and Bilbao, 71° at Sfax and Oran (Algeria) 69° at Trieste, 68° at Perpignan, and 66° at Lisbon, Palermo, and Malta; the lowest were 43° at Helsingfors, 45° at Haparanda, 46° at Rode and Luderhals, 47° at Stornoway, and 48° at Archangel, Helsingfors and Hangö.

No important alteration was observed later.

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, 2nd June* 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R.H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 3.)		SHADE TEMP.		
			Dir.	Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)				Max.	Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ..	29.60	37	2	0	f	29.64	+0.4	40	40	-4	S	2	f	*		48	36	0.20
	Hernösand ...	29.61	47	5	4	0	29.77	+1.2	47	40	-1	N	6	bc	*		57	41	0.08
	Stockholm ...	29.66	48	5	2	b	29.74	+0.6	52	47	-4	WNW	2	bc	*		61	46	-
	Wisby ...	29.78	46	SSW	2	b	29.81	+0.3	48	46	-2	W	2	bc	*		59	43	-
	Bodö ...	29.47	51	25	0	b	29.59	+0.8	41	37	-13	SW	7	c	4		54	41	0.08
	Christiansund...	29.76	40	WNW	8	r	30.01	+0.8	40	36	-8	W	8	c	5		48	34	0.24
	Skudesnaes ...	29.95	45	NW	8	0	30.15	+0.6	44	39	-2	NW	7	c	5		50	?	-
	Christiania Fjord (Færdar)	29.66	51	SW	2	b	29.92	+0.32	48	42	+3	NNE	6	c	4		54	48	-
	Skagen (The Scaw)	29.68	46	W	2	bc	29.91	+0.26	52	48	+5	WNW	3	c	3		52	45	-
	Fanö ...	30.01	44	W	8	0	30.15	+0.21	47	43	-1	WNW	7	c	*		50	43	-
BRITISH ISLANDS.	Sumburgh Head	30.08	40	N	5	0	30.25	+0.47	40	37	-1	N	2	c	4		44	33	0.20
	Stornoway ..	30.22	47	NW	4	bc	30.26	+0.23	44	41	+1	SE	4	c	5		48	31	-
	Wick ...	30.21	43	WNW	4	0	30.30	+0.36	45	40	-1	NW	2	c	2		46	33	0.03
	Nairn ...	30.22	48	W	1	bc	30.27	+0.26	45	43	+1	E	1	b	1		51	30	0.01
	Aberdeen...	30.20	46	WNW	3	0	30.31	+0.55	45	39	-2	WNW	1	0	1		53	37	0.10
	Leith ...	30.17	57	E	1	b	30.28	+0.22	43	41	-8	E	3	r	*		61	41	0.01
	Shields ...	30.21	50	2	0	c	30.27	+0.22	45	44	-4	E	2	r	3		59	44	0.04
	Spurn Head ...	30.21	52	ESE	3	c	30.23	+0.12	50	49	+1	ESE	3	cgm	3		57	48	-
	York ...	30.23	55	W	3	0	30.24	+0.11	50	47	+1	E	1	0	*		61	46	-
	Loughborough	30.25	56	WNW	1	0	30.20	-0.06	58	53	+7	E	1	0	*		62	50	-
GERMANY.	Arrossan ...	30.21	54	W	2	c	30.20	+0.08	44	42	-6	E	2	r	1		56	42	0.10
	Malin Head ...	30.25	46	E	3	0	30.12	-0.05	42	42	-5	ESE	4	0	3		50	40	0.12
	Mullaghmore ...	30.20	49	E	4	r	30.05	-0.14	45	44	-4	ESE	6	0	4		53	44	0.18
	Belmullet ...	30.15	48	E	6	r	29.95	-0.21	49	49	-1	ESE	6	0	*		51	46	0.24
	Donaghadee ...	30.27	47	ESE	2	0	30.17	-0.01	47	46	-5	E	5	r	3		53	46	0.02
	Barrow-in-Furness	30.23	50	NW	3	0	30.18	+0.02	47	46	-1	NW	4	r	*		53	47	-
	Liverpool (Bidston)	30.26	50	N	1	0	30.16	-0.04	51	50	+2	ESE	3	0	3		54	47	0.04
	Holyhead ...	30.24	50	NW	2	0	30.10	-0.11	52	52	+2	ESE	2	opm	2		53	47	0.06
	Parsonstown ...	30.17	50	2	0	r	30.00	-0.18	57	54	+8	SE	2	c	*		57	47	0.03
	Valencia ...	30.11	58	SSE	3	0	29.91	-0.18	57	55	+3	SE	1	b	3		60	52	-
FRANCE & NETHERLANDS.	Roche's Point...	30.16	54	ESE	5	r	29.96	-0.19	52	52	+2	SE	4	f	4		55	49	0.01
	Pembroke ...	30.20	51	S	3	f	30.07	-0.13	55	53	+5	SE	4	bc	3		55	48	0.01
	Scilly ...	30.18	57	S	2	c	30.01	-0.16	59	52	+4	SE	5	c	4		59	52	-
	Prawle Point ...	30.25	54	ESE	2	bc	30.14	-0.12	58	54	+4	E	3	b	2		59	48	-
	Jersey ...	30.25	64	ESE	2	bc	30.16	-0.14	66	59	+11	E	2	b	2		66	53	-
	Hurst Castle ...	30.28	56	SW	3	bc	30.19	-0.07	63	58	+6	ESE	3	bc	1		61	54	-
	Dungeness ...	30.25	54	W	4	b	30.22	+0.02	58	53	+6	S	1	b	1		59	48	-
	London ...	30.23	64	SW	1	0	30.21	-0.01	61	54	+4	SSE	1	0	*		69	52	-
	Oxford ...	30.25	59	WNW	1	0	30.20	-0.03	57	52	+4	S	1	0	*		62	53	-
	Cambridge ...	30.24	62	NW	1	0	30.20	-0.06	63	58	+9	2	0	0	*		66	51	-
PENIN-SULA.	Yarmouth ...	30.24	54	ESE	3	c	30.23	+0.08	53	52	+1	SE	2	c	3		61	50	-
	Cuxhaven ...	30.15	48	NW	7	0	30.26	+0.31	48	46	-4	WNW	6	c	*		52	46	-
	Berlin ...	30.10	55	WNW	5	b	30.24	+0.22	47	41	-10	WNW	5	0	*		61	45	-
	Wiesbaden ...	*	*	*	*	*	30.37	+0.16	54	47	-3	N	1	b	*		70	46	-
	Munich ...	30.29	58	NW	2	bc	30.38	+0.15	56	46	-6	E	1	b	*		66	46	-
	The Helder ...	30.28	50	W	1	bc	30.30	+0.20	50	46	+1	E	1	c	1		52	48	-
	Brussels ...	*	*	*	*	*	30.28	+0.05	59	51	+6	ESE	1	c	*		66	47	-
	Cape Gris Nez...	30.27	55	SW	1	b	30.22	-0.06	59	54	+6	2	0	b	0		61	48	-
	Paris ...	30.28	68	SW	1	b	30.26	-0.04	59	53	+6	SW	1	b	*		73	45	-
	Brest ...	30.26	64	2	0	b	30.12	-0.18	59	55	+6	SSE	4	b	2		64	?	-
GERMANY.	Lorient ...	30.22	60	E	1	b	30.11	-0.14	60	55	+7	ESE	5	b	2		68	50	-
	Rocheport ...	30.25	74	E	4	b	30.15	-0.17	60	57	+1	ESE	5	b	2		82	52	-
	Belfort ...	30.28	69	W	1	b	30.26	-0.03	60	50	-3	E	3	b	*		77	40	-
	Lyons ...	30.25	67	N	4	b	30.26	-0.01	62	53	+5	SE	1	b	*		75	54	-
	Nice ...	30.08	70	SW	3	bc	30.15	+0.09	75	67	+13	E	1	b	c		?	59	-
	Perpignan ...	30.12	81	WSW	1	bc	30.18	-0.03	70	64	+1	2	0	b	*		85	64	-
	Biarritz ...	30.13	77	E	5	b	30.03	-0.21	69	64	+9	SE	3	b	0		79	60	-
	Corunna ...	*	*	*	*	*	29.99	-0.12	81	73	+12	NW	1	b	4		97	68	-
	Lisbon ...	29.99	79	2	0	b	30.03	-0.03	68	61	-1	NE	4	b	2		88	63	-

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on Saturday, 2nd June.

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.

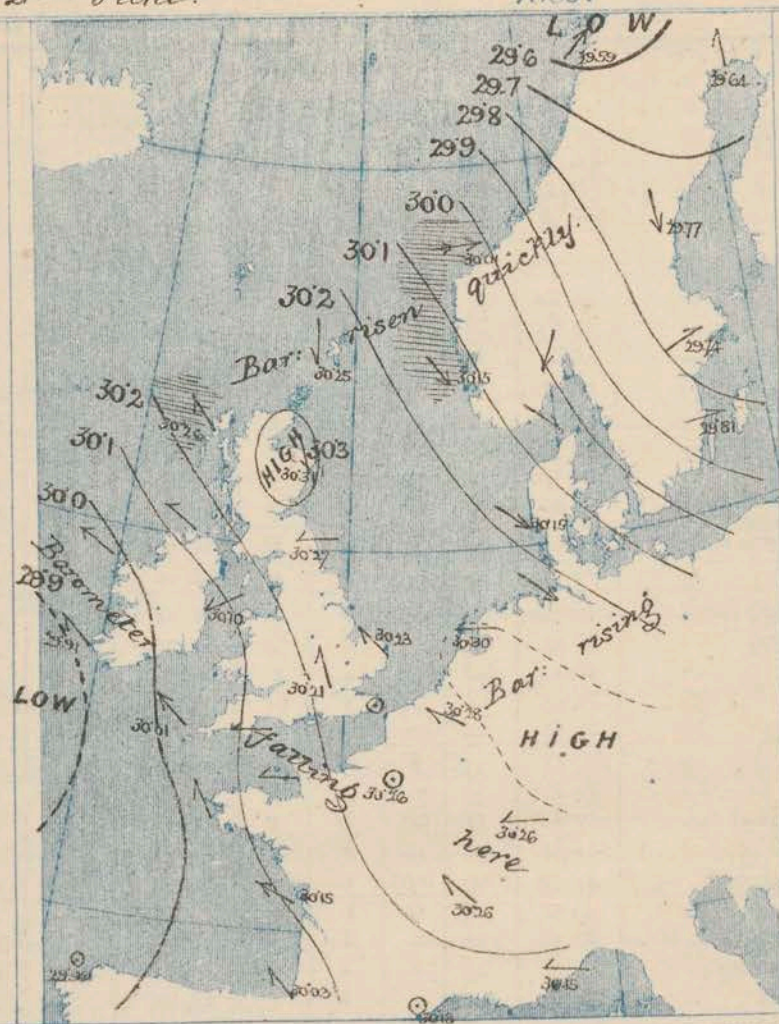
— = Rough. — = High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871-1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shields	29.928
York	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.964
Cambridge	29.967
Yarmouth	29.963



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.

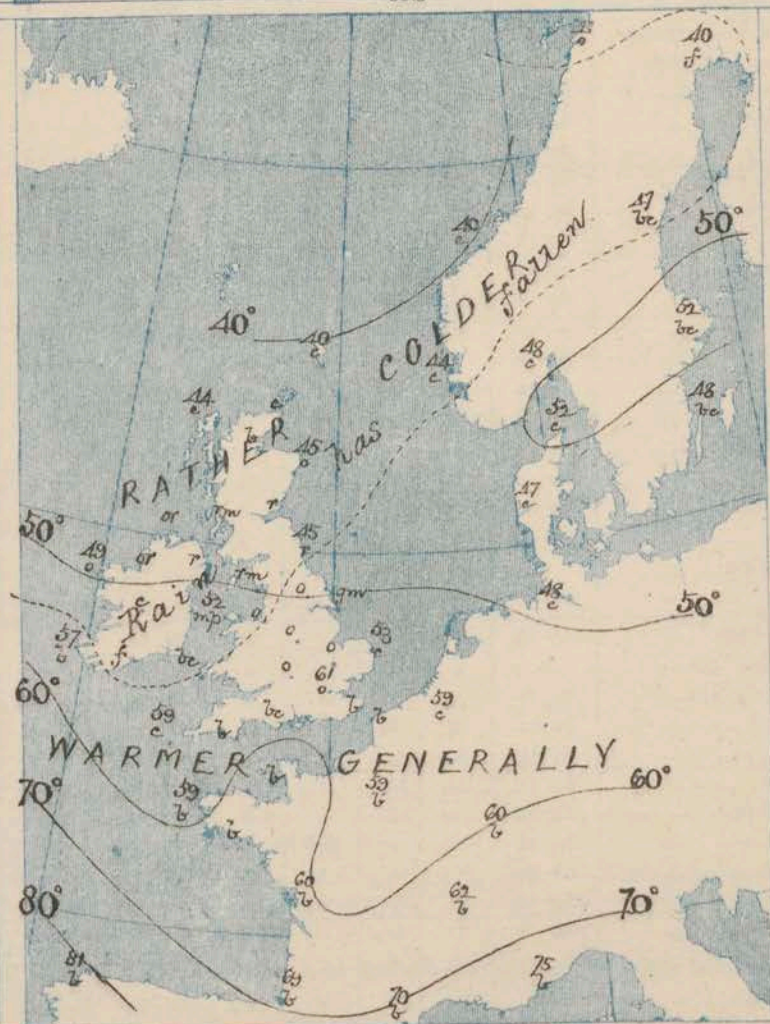
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of June.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	46.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.75
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	56.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	66.2	48.3	56.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.62
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.6	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.90
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	3.26
Pembroke	60.3	51.4	55.0	52.9	2.09
Scilly	61.1	53.0	57.2	55.0	1.94
Jersey	64.8	52.6	58.7	55.9	1.83
Hurst Castle	63.9	51.9	57.0	55.4	2.07
Dover	63.3	53.1	58.6	55.1	1.72
LONDON	69.3	50.6	59.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.40
Yarmouth	62.2	51.4	56.9	54.1	2.02

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, 30.31 ins: at Aberdeen, 30.2 ins: and upwards over the North Sea, the Hebrides, and the eastern part of Great Britain and France.
Lowest, 29.6 ins: and less, over the north of Norway, 29.9 ins: and less, in a depression lying off the southwest of Ireland.
Gradients moderate over the coast of our Islands and also over Scandinavia, but slight elsewhere.
Barometer falling in the west and south of our Islands and the greater part of France, but rising at our eastern and the Scandinavian stations.

TEMPERATURE

Highest, 81° at Corunna, 75° at Nice, 70° at Perpignan, 68° at Lisbon, 66° at Jersey and 63° at Hunt Castle and Cambridge.
Lowest, 40° at Haparanda, Christiansund, and Lumburgh Head, 41° at Bodo, 42° at Mgin Head and 43° at Feith.
Frost occurred last night over the northern parts of Scotland.

WIND

Moderate or fresh from the SE^w on the western coast of our Islands and France.
Light from E. in the east of England.
Strong from the NW^w on the eastern shore of the North Sea and from SW at Bodo.

WEATHER

Rainy over the northern parts of Ireland and England, but fair or fine in nearly all other localities.
Slight rain fell yesterday at several of the western stations.

SEA

Rather rough at Stornoway, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the southwest of Ireland will probably move northwards and occasion rain at all the more northern stations.
In the south and southeast conditions are likely for the present to remain under the influence of the large anticyclonic system lying to the eastwards of our Islands.

FORECASTS

For the 24 hours ending at NOON on 3rd June

1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	Variable breezes, finally SE ^w ; fair to dull and some rain.
1	SCOTLAND EAST	----- D ^o ----- D ^o ----- D ^o -----
2	ENGLAND N.E.	E ^w and SE ^w winds, moderate; cloudy, rain locally.
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as No 5
5	ENGLAND SOUTH	SE ^w winds, light or moderate; fine, warm.



DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	E ^w and SE ^w winds, freshening; cloudy, some rain.
7	ENGLAND N.W.	----- D ^o ----- D ^o ----- D ^o -----
8	ENGLAND S.W.	SE ^w winds, fresh; fair generally.
9	IRELAND NORTH	SE ^w winds, fresh or strong, unsettled, some rain.
10	IRELAND SOUTH	----- D ^o ----- D ^o ----- D ^o -----

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 ...	29.70	50	47	NW 6	c	4	Holyhead ..	30.24	50	46	NNE 3	0	2
Sumburgh Head	29.98	42	39	N 5	c	6	Valencia ...	30.12	59	57	SSW 5	c	4
Stornoway ...	30.18	47	43	NW 5	bc	4	Scilly ...	30.20	59	57	SSW 3	fa	4
Aberdeen ...	30.12	50	47	NW 3	cp	2	Jersey ...	30.30	61	56	SSW 2	c	2
Shields ...	30.13	58	50	W 4	c	2	Dungeness ...	30.24	57	53	WSW 5	c	4
Ardrossan ...	30.19	53	47	W 3	l	2	London ...	30.24	66	59	W 2	c	*
Malin Head ...	30.25	49	43	N 2	l	2	Yarmouth ...	30.23	58	51	ESW 3	l	3
Mullaghmore ...	30.20	52	45	ESW 2	or	2	Rocheport ...	30.31	79	75	E 4	l	2
Belmullet ...	30.18	49	47	ESW 3	0	*							

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

The reports for yesterday morning showed that the Russian high pressure area noticed on Thursday had begun to recede in an easterly direction, and that the depression noticed over our northern districts on the same day was passing away to the northward. Readings varied from 30.3 ins: and more over central Russia and from about the same value over Western France to between 29.5 ins: and 29.6 ins: over Sweden and Norway. The winds reported varied greatly — S⁴ over the Baltic, W⁴ and NW⁴ over the North Sea and Great Britain, SE² in Ireland. Over Germany they were W⁴, and in the south of France the "Mistral" prevailed. The weather was changeable in the west of our Islands and in some parts of the Baltic, fair as a whole elsewhere. Temperature had changed irregularly in our Islands, but risen in many other places and ranged from 80° in Portugal and rather above 70° at some of the Mediterranean stations to between 40° and 50° at several of the Scandinavian stations. In Northern Russia it had risen to above 50°. The highest individual values were 83° at Oporto, 80° at Cagliari, 75° at Bilbao, 74° at Barcelona, 73° at Algiers, Biskra, and Trieste, 70° at Brindisi, 68° at Odessa, 67° at Vsesao, 66° at Palermo, and 54° even at Archangel. The lowest were 44° at Haparanda, 46° at Hangö, 48° at Farsö and Helsingfors, and 51° at Alsterborg.

Later on the SE⁴ wind in the far west became more general. A little rain fell in the west and north, but over England the weather was fine.

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 3rd June 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 ..	29.68	38	S	2	0	29.72	+ .08	41	39	+ 1	W	4	b	*	45	36	—	
	Hernösand ...	29.95	45	N	2	0	30.03	+ .10	44	37	— 3	NW	6	bc	*	57	43	—	
	Stockholm ...	29.98	44	SSW	2	0	30.18	+ .39	46	41	— 6	Z	0	b	*	57	43	0.08	
	Wisby ...	30.02	45	ENE	4	7	30.15	+ .34	43	42	— 5	NNE	2	b	*	55	41	0.08	
	Bedö ...	29.64	38	WSW	9	7	29.88	+ .29	38	37	— 3	W	6	c	4	43	34	0.16	
	Christiansund...	30.14	39	WSW	6	C	30.17	+ .16	41	37	+ 1	WSW	3	bc	4	43	34	0.08	
	Skudesnaes ...																		
	Christiania Fjord (Fjærd)	30.04	53	Z	0	b	30.21	+ .29	46	40	— 2	NNE	2	b	1	54	43	—	
	Skagen (The Scaw)	30.06	49	W	1	b	?	?	51	47	— 1	Z	0	C	0	57	46	—	
	Fanö ...	30.21	43	WNW	4	C	30.15	.00	43	41	— 4	SSE	4	C	*	52	41	0.04	
BRITISH ISLANDS.	Sumburgh Head	30.25	42	NNW	1	0	30.16	— .09	42	38	+ 2	NE	3	0	3	45	37	0.01	
	Stornoway ..	30.13	44	E	6	0	29.93	— .33	40	40	— 4	E	7	r	6	47	36	0.12	
	Wick ...	30.23	44	E	3	0	30.03	— .27	49	48	+ 4	SE	7	r	6	51	43	0.15	
	Nairn ...	30.16	40	E	2	7	29.94	— .33	38	38	— 6	E	3	r	4	49	34	0.30	
	Aberdeen...	30.23	39	SSE	2	79	29.99	— .32	40	39	— 5	E	5	r	5	48	37	0.77	
	Leith ...	30.15	41	E	4	7	29.87	— .41	44	44	+ 1	E	4	0	*	44	39	0.70	
	Shields ...	30.15	42	E	4	7	29.82	— .45	46	46	+ 1	E	2	f	4	46	40	0.54	
	Spurn Head ...	30.06	50	ESE	5	7	29.85	— .38	54	52	+ 4	ESE	3	bc	3	54	47	0.18	
	York ...	30.10	48	E	2	0	29.86	— .38	52	51	+ 2	W	1	0	*	52	45	0.30	
	Loughborough	30.61	61	NNE	1	0	29.85	— .35	58	55	0	NE	1	C	*	68	49	—	
GERMANY.	Ardrossan ...	30.04	41	NE	4	7	29.78	— .42	44	44	0	ENE	3	r	2	44	40	0.64	
	Malin Head ...	29.93	44	ESE	5	omv	29.71	— .41	48	48	+ 6	SSE	3	omv	2	48	42	0.22	
	Mullaghmore ...	29.88	52	ESE	5	ogm	29.73	— .32	53	53	+ 8	WSW	2	odi	2	54	44	0.03	
	Belmullet ...	29.86	57	SSE	3	og	29.78	— .17	53	52	+ 4	W	4	0	*	59	49	0.03	
	Donaghadee ...	29.96	48	NE	2	0	29.76	— .41	50	50	+ 3	ESE	4	0	2	50	45	0.12	
	Barrow-in-Furness	29.99	52	NE	2	0	29.79	— .39	57	54	+ 10	SE	3	op	*	57	47	0.29	
	Liverpool (Bidston)	29.99	58	ESE	3	0	29.80	— .36	60	57	+ 9	SE	3	b	2	61	51	0.22	
	Holyhead ...	29.92	60	S	5	cp	29.81	— .29	51	51	— 1	SSW	4	m	5	63	57	0.22	
	Parsonstown ...	29.86	62	Z	0	C	29.82	— .18	58	55	+ 1	SW	2	C	*	68	54	—	
	Valencia ...	29.82	62	SSE	4	C	29.84	— .07	57	56	0	SSW	3	0	3	64	53	0.01	
FRANCE & NETHERLANDS.	Roche's Point...	29.88	56	SSE	3	C	29.88	— .08	57	55	+ 5	WSW	4	bc	4	59	52	0.02	
	Pembroke ...	29.95	64	SE	3	bc	29.89	— .18	51	51	— 4	WSW	3	fd	2	66	50	—	
	Scilly ...	29.92	58	SE	4	C	29.96	— .05	57	56	— 2	NNE	2	0	4	62	52	0.01	
	Prawle Point ...	29.98	61	E	3	bc	29.93	— .21	55	55	— 3	WSW	3	f	2	66	50	—	
	Jersey ...	30.00	75	ESE	1	b	30.01	— .15	56	55	— 10	W	3	f	3	75	54	—	
	Hurst Castle ...	30.02	63	E	3	b	29.86	— .33	54	54	— 9	WSW	4	f	2	73	54	—	
	Dungeness ...	30.06	59	ESE	3	bc	29.89	— .33	60	56	+ 2	SSW	2	bc	2	63	54	—	
	London ...	30.05	72	SSE	1	bc	29.85	— .36	69	60	+ 8	SW	3	bc	*	78	50	—	
	Oxford ...	30.02	68	S	1	b	29.85	— .35	67	60	+ 10	S	1	0	*	74	53	—	
	Cambridge ...	30.03	73	SE	1	C	29.85	— .35	72	64	+ 9	S	1	0	*	78	50	—	
PENIN- SULA.	Yarmouth ...	30.11	55	SE	3	bc	29.90	— .33	56	54	+ 3	SSE	2	bc	3	56	51	—	
	Cuxhaven ...	30.30	46	NW	5	C	30.7	— .09	48	46	0	ESE	5	C	*	50	46	—	
	Berlin ...	30.23	54	WNW	3	b	30.21	— .03	55	48	+ 8	SE	2	0	*	63	48	—	
	Wiesbaden ...	*	*	*	*	*	30.13	— .24	62	54	+ 8	NNW	1	b	*	72	50	—	
	Munich ...	30.28	59	NE	1	b	30.21	— .17	64	58	+ 8	Z	0	b	*	68	45	—	
	The Helder ...	30.15	54	E	3	C	29.97	— .33	57	53	+ 7	ESE	1	C	2	57	50	—	
	Brussels ...	*	*	*	*	*	29.97	— .31	71	63	+ 12	SSW	4	C	*	76	59	—	
	Cape Gris Nez...	30.04	60	NE	3	C	29.93	— .29	71	63	+ 12	S	4	bc	1	76	57	—	
	Paris ...	30.09	78	SE	3	b	30.03	— .23	69	62	+ 10	S	3	b	*	82	55	—	
	Brest ...	29.99	63	SSE	5	b	30.06	— .06	54	52	— 5	WNW	4	f	3	73	50	—	
PENIN- SULA.	Lorient ...	29.99	76	SE	5	b	30.01	— .10	57	56	— 3	W	4	0	2	79	53	—	
	Rochefort ...	30.04	84	SSW	3	b	30.07	— .08	68	64	+ 8	ESE	4	b	1	93	60	—	
	Belfort ...	30.7	84	E	3	b	30.18	— .08	63	59	+ 3	E	3	b	*	74	39	—	
	Lyons ...	30.11	80	SSE	1	b	30.15	— .11	70	62	+ 8	SSE	1	b	*	81	59	—	
	Nice ...	29.94	74	SW	3	b	30.18	+ .02	71	63	— 4	E	1	b	0	77	64	—	
	Perpignan ...	30.16	70	E	4	b	30.23	+ .05	60	60	— 10	E	3	0	*	78	59	0.04	
PENIN- SULA.	Biarritz ...	29.95	81	N	3	b	30.02	— .01	76	69	+ 7	E	1	b	0	97	68	—	
	Corunna ...	*	*	*	*	*	30.06	+ .07	65	62	— 26	N	3	m	2	88	59	—	
	Lisbon ...	30.04	72	SSW	5	b	30.04	+ .01	68	62	0	N	5	C	2	82	63	—	

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on Sunday, 3rd June 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

Sea Disturbance — where considerable is shewn thus.

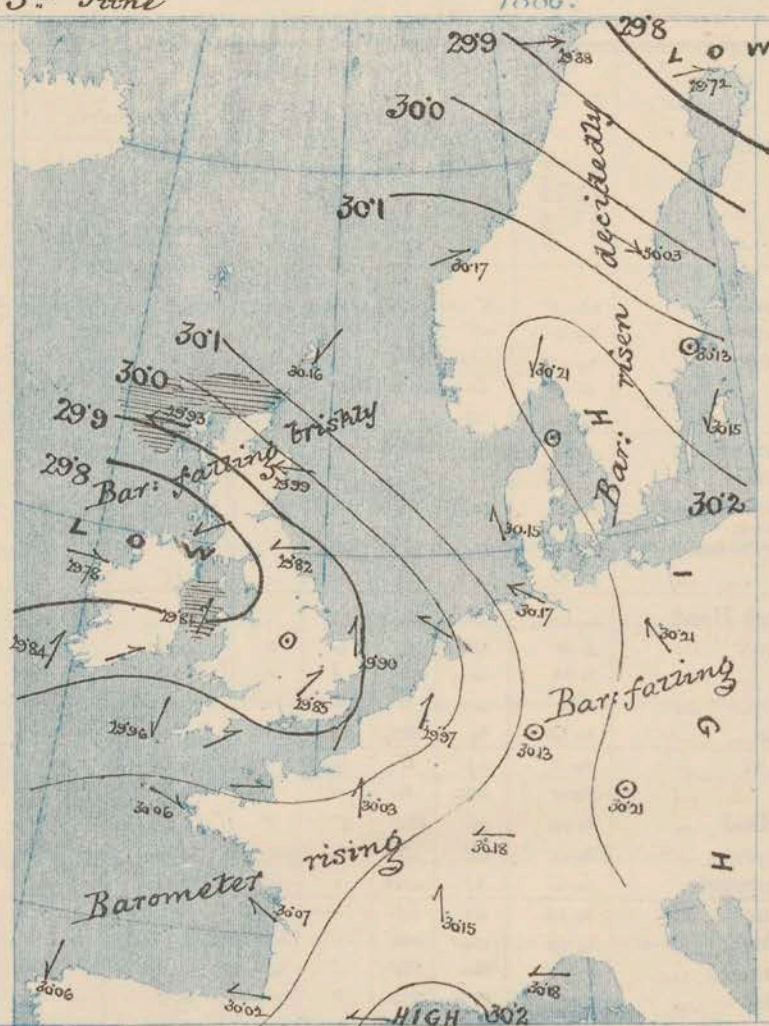
— = Rough. — = High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shields	29.928
York	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.964
Cambridge	29.967
Yarmouth	29.968



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.

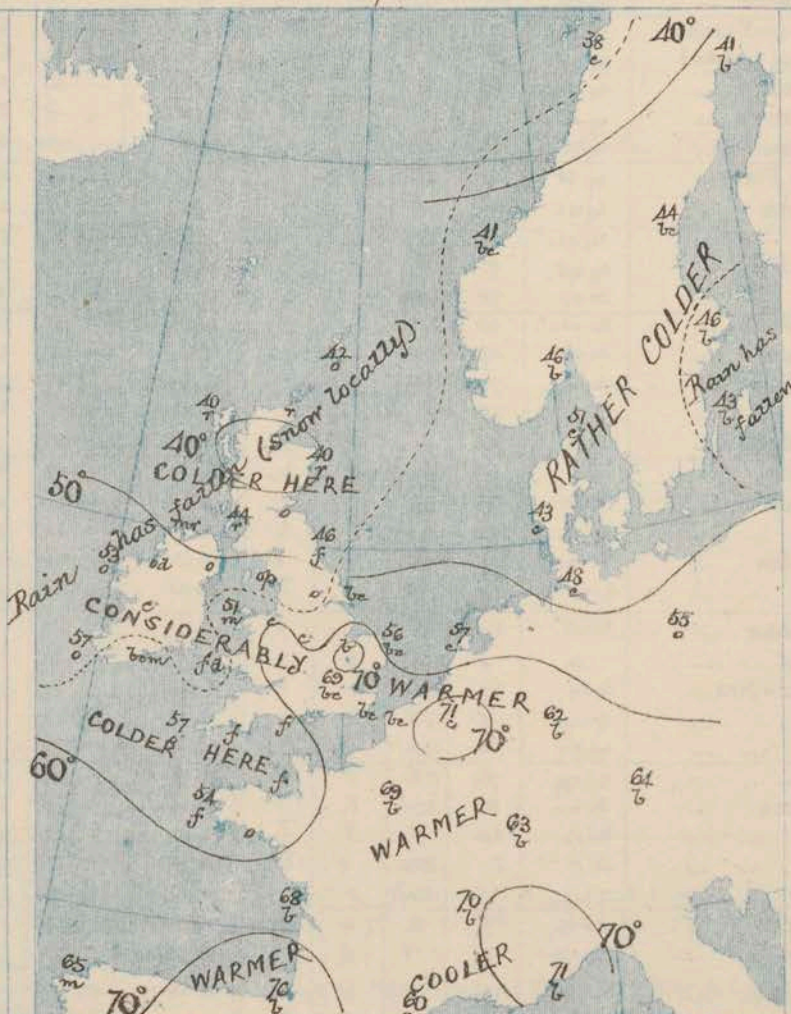
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of June.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	46.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.75
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	56.0	52.5	1.84
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York	66.2	48.3	56.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.62
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.6	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.96
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	3.28
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Cambridge	68.8	48.5	58.0	54.7	2.46
Yarmouth	62.2	51.4	56.9	54.1	2.02

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in: and upwards in a large area lying over Germany and the south of Sweden, and also in a smaller area lying over the Gulf of Lyons. Lowest, 29.8 in: and less, in an irregularly formed depression lying over the Irish Sea and the north of Ireland and also over the south of Sweden. Gradients rather steep in the extreme north of our Islands, but slight elsewhere. Barometer rising at most of the Continental stations, but falling in our Islands, briskly in the north.

TEMPERATURE

Highest, 76° at Birmm, 72° at Cambridge, 71° at Brussels, C. de Rey and Nice, and 70° at Lyons. Lowest, 35° at Bodo and Cairn, 40° at Tromsø and Aberdeen, 41° at Haparanda and Christiansund, and 42° at Lumburgh Head. The maxima registered yesterday were very low in the north of our Islands; at Leith and Harrogate the thermometer did not exceed 44°, while in London and at Cambridge rose to 78°.

WIND

Moderate from S.W. or W. over the south of our Islands; S.E. or E. in the north, with a moderate gale in Caithness and the Hebrides. W. or N.W. over the north of Scandinavia; E. in the south of France.

WEATHER

Foggy in Scotland and the north of Ireland, but fair or fine in most other localities. Fog is reported at several of the Channel stations and at Shields. Heavy rain fell yesterday in the north — 0.8 in: at Aberdeen and 0.7 in: at Leith. [The newspapers report much snow in Scotland].

SEA

Rough off the north of Scotland and at Holyhead, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past 24 hours an irregularly formed depression has appeared over our northwest coasts, and the barometer has fallen briskly at all our more northern stations. The tendency at present is for the disturbance to spread eastwards.

FORECASTS

for the 24 hours ending at NOON on 4th June 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 was hoisted last evening in district 0. 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.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...							Holyhead ...	30.01	58	56	E	2	r	2	
Sumburgh Head ...	30.27	42	37	N	1	c	3	Valencia ...	29.88	62	57	SE	4	c	4
Stornoway ...	30.20	46	43	E	5	o	4	Scilly ...	29.94	61	57	ESE	5	c	4
Aberdeen ...	30.28	45	40	SSE	1	o	1	Jersey ...	30.06	71	62	ESE	1	b	1
Shields ...	30.21	44	44	E	4	r	4	Dungeness ...	30.15	62	55	E	1	b	1
Ardrossan ...	30.09	41	41	NE	5	r	3	London ...	30.12	75	67	SE	3	c	*
Malin Head ...	30.01	44	43	ESE	5	o	4	Yarmouth ...	30.17	56	52	SE	3	b	3
Mullaghmore ...	29.93	53	51	E	5	om	3	Rocheport ...	30.08	87	73	SE	4	b	2
Belmullet ...	29.91	59	56	SSE	3	o	*								

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

The Continental Information will appear in Tuesday's Report

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, 4th June. 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 ..	29.79	37	NN	6	r	29.99	+ .27	41	37	0	NN	4	c	*	46	34	—	
	Hernösand ...	30.12	45	NNW	4	b	30.17	+ .14	45	39	+	S	2	b	*	57	36	—	
	Stockholm ...	30.14	45	WSW	2	c	30.11	— .02	32	44	+	SE	2	o	*	59	39	—	
	Wishby ...	30.21	45	SW	2	b	30.08	— .07	45	43	+	SSE	4	r	*	?	39	0.08	
	Bodö ...	30.01	41	N	4	o	29.95	+ .07	41	35	+	E	2	o	2	41	34	—	
	Christiansund...	30.14	44	NNE	2	b	30.05	— .12	43	39	+	NE	3	b	3	45	37	—	
	Skudesnaes ...	29.97	47	ENE	2	o	29.84	— .13	46	44	—	N	1	r	3	47	?	—	
	Christiania Fjord (Færd)	30.04	51	SSE	4	o	29.88	— .33	42	41	—	ENE	5	r	3	55	43	0.20	
	Skagen (The Scaw)	30.02	45	SSE	3	o	29.73	?	46	46	—	SSE	3	o	3	54	43	0.75	
	Fanö ...	29.81	51	SE	6	o	29.83	— .32	47	47	+	N	4	f	*	55	43	—	
BRITISH ISLANDS.	Sumburgh Head	30.03	42	NE	3	o	30.04	— .12	45	41	+	NNE	4	c	5	45	40	—	
	Stornoway ..	29.92	40	E	7	r	30.11	+ .18	46	44	+	E	6	bc	4	46	37	0.42	
	Wick ...	29.97	39	E	6	r	30.08	+ .05	46	43	—	E	4	c	3	74	37	0.60	
	Nairn ...	29.91	38	E	3	r	30.04	+ .10	43	43	+	ENE	4	r	3	43	36	0.43	
	Aberdeen...	29.89	40	E	3	a	30.02	+ .03	43	42	+	NE	2	o	3	43	38	1.01	
	Leith ...	29.82	45	E	3	r	30.01	+ .14	43	41	—	N	1	o	*	45	40	0.19	
	Shields ...	29.76	61	WSW	3	c	30.00	+ .18	45	44	—	N	3	o	3	63	43	0.10	
	Spurn Head ...	29.82	62	N	4	bc	29.96	+ .11	59	50	+	WSW	3	bc	3	66	51	—	
	York ...	29.83	63	WSW	3	b	29.97	+ .11	57	54	+	W	3	o	*	70	51	—	
	Loughborough	29.89	66	WSW	4	b	30.02	+ .17	60	56	+	N	3	o	*	75	50	—	
GERMANY.	Ardrossan ...	29.78	46	ENE	2	r	30.01	+ .23	45	43	+	N	2	om	1	46	40	0.05	
	Malin Head ...	29.78	48	NN	3	o	30.04	+ .33	45	43	—	NE	3	o	3	53	45	0.20	
	Mullaghmore ...	29.84	50	NN	4	om	30.05	+ .32	48	45	—	N	3	o	2	54	45	0.02	
	Belmullet ...	29.88	50	ENE	3	o	30.06	+ .28	47	44	—	ENE	4	o	*	55	44	—	
	Donaghadee ...	29.80	52	NE	2	c	30.02	+ .26	51	48	+	WNW	4	bc	3	69	49	—	
	Barrow-in-Furness	29.84	55	SSW	4	c	30.00	+ .21	49	48	—	NW	3	dm	*	58	45	0.03	
	Liverpool (Bidston)	29.87	59	SW	5	c	30.01	+ .21	51	50	—	W	3	r	3	66	51	0.01	
	Holyhead ...	29.87	53	SW	4	c	30.02	+ .21	50	49	—	WNW	1	om	2	57	50	0.01	
	Parsonstown ...	29.87	61	SSW	2	c	30.05	+ .23	48	47	—	W	0	o	*	65	47	0.14	
	Valencia ...	29.91	58	SSW	3	om	30.00	+ .16	57	56	—	SSE	2	om	3	60	49	0.06	
FRANCE & NETHERLANDS.	Roche's Point...	29.93	60	WSW	4	bc	30.01	+ .13	55	55	—	SSE	2	f	4	61	52	0.01	
	Pembroke ...	29.97	53	SW	4	f	30.06	+ .17	52	52	+	SW	1	f	2	55	50	—	
	Scilly ...	30.02	60	SSW	3	c	30.03	+ .07	55	55	—	ESE	2	off	2	63	53	0.02	
	Prawle Point ...	30.02	54	WSW	4	o	30.07	+ .14	56	56	+	ENE	1	o	1	59	48	—	
	Jersey ...	30.05	58	WNW	3	b	30.12	+ .11	58	53	—	ESE	3	om	3	59	51	0.05	
	Hurst Castle ...	29.99	57	WSW	6	bc	30.10	+ .24	56	55	+	SW	1	c	1	63	51	—	
	Dungeness ...	29.92	54	N	5	f	30.06	+ .17	56	54	—	W	2	c	1	61	49	—	
	London ...	29.92	72	N	2	c	30.07	+ .22	61	56	—	WSW	2	o	*	82	51	—	
	Oxford ...	29.97	58	SW	3	bc	30.06	+ .21	58	55	—	W	1	c	*	73	50	—	
	Cambridge ...	29.94	73	S	1	bc	30.04	+ .19	60	56	—	WSW	1	c	*	83	47	—	
PENIN-SULA.	Yarmouth ...	29.82	78	N	4	b	30.01	+ .11	59	55	+	WNW	3	bc	2	81	52	—	
	Cuxhaven ...	29.96	53	ESE	3	c	29.93	— .24	57	56	+	W	3	b	*	57	?	—	
	Berlin ...	30.01	64	SE	3	c	29.92	— .24	66	60	+	WNW	4	o	*	75	55	—	
	Wiesbaden ...	*	*	*	*	*	30.05	— .08	71	64	+	W	1	bc	*	84	61	—	
	Munich ...	30.16	64	W	0	bc	30.16	— .05	71	63	+	SW	4	bc	*	82	57	0.55	
	The Helder ...	29.87	57	SW	1	c	30.01	+ .04	57	54	—	WSW	1	bc	2	73	55	—	
	Brussels ...	*	*	*	*	*	30.07	+ .10	63	58	—	W	3	b	*	86	57	—	
	Cape Gris Nez...	29.96	51	SW	5	f	30.07	+ .14	51	57	—	SW	3	f	2	73	48	—	
	Paris ...	29.99	87	SSW	3	b	30.09	+ .06	64	58	—	NNE	1	b	*	94	57	—	
	Brest ...	?	59	NN	4	o	30.02	— .04	57	54	+	SE	5	r	3	72	52	0.04	
PENIN-SULA.	Lorient ...	30.04	61	N	5	c	30.01	— .00	57	55	—	E	4	r	4	63	55	0.08	
	Rochefort ...	30.06	72	WNW	4	b	30.06	— .01	68	66	—	ENE	4	c	2	90	59	—	
	Belfort ...	30.13	87	E	1	b	30.11	— .07	77	68	+	E	3	b	*	93	41	—	
	Lyons ...	30.07	82	SSE	3	b	30.10	— .05	68	60	—	SSE	3	b	*	89	59	—	
	Nice ...	30.15	72	WSW	1	b	30.18	— .00	69	65	—	WSW	1	b	1	79	61	—	
	Perpignan ...	30.17	65	E	3	o	30.12	— .11	63	62	+	NE	3	o	*	72	60	—	
	Biarritz ...	30.04	68	N	5	b	30.02	— .00	66	62	—	E	3	o	1	86	61	—	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	29.97	75	S	3	c	29.97	— .07	69	64	+	S	3	c	5	84	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 Monday, 4th June.

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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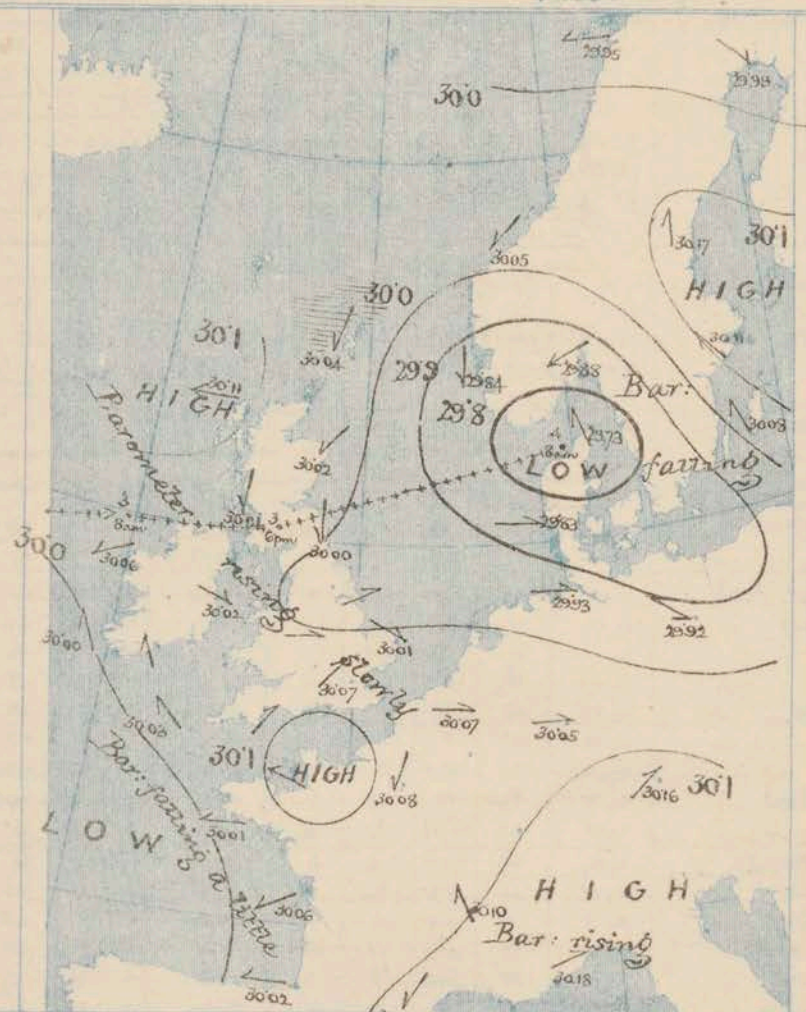
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▨ = Rough. ▨ = High.

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

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Shields.	29.928
Yorl.	29.949
Loughborough.	29.958
Ardrossan.	29.969
Donsghadee.	29.920
Holyhead.	29.944
Liverpool.	29.944
Parsonstown.	29.952
Valencia.	29.954
Roche's Point.	29.952
Pembroke.	29.952
Scilly.	29.982
Jersey.	29.994
Hurst Castle.	29.981
Dover.	29.971
LONDON.	29.976
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Cambridge.	29.967
Yarmouth.	29.968



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.

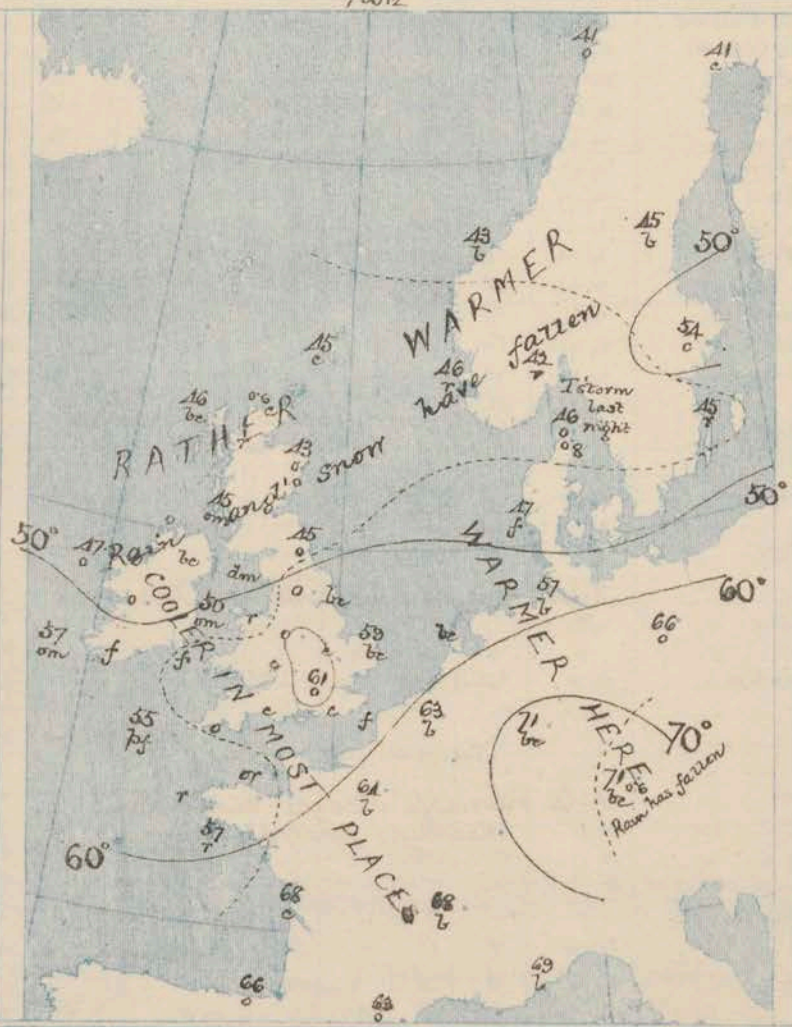
Weather — is shown by Letters of the Beaufort Scale.

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 June.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
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Wick	58.8	45.7	53.1	50.4	1.75
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Leith	64.6	48.1	56.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	66.2	48.3	56.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	63.0	49.7	55.1	52.0	2.63
Donsghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.6	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.96
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	3.26
Pembroke	60.3	51.4	55.0	52.9	2.09
Scilly	61.1	53.0	57.2	55.0	1.94
Jersey	64.8	52.6	59.7	56.9	1.83
Hurst Castle	63.9	51.9	57.6	55.4	2.07
Dover	63.3	53.1	58.6	55.1	1.72
LONDON	69.3	50.6	69.2	54.8	2.12
Oxford	67.1	49.4	58.9	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.40
Yarmouth	62.2	51.4	56.9	54.1	2.02

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 upwards in large areas lying respectively over the Baltic and over south Germany and the southeast of France, as well as in two smaller areas lying respectively off the northwest of Scotland, and over the English Channel.
Lowest 29.8 ins. and less in a well defined depression lying over the north of Denmark.
Gradients slight generally. Barometer rising in our islands but falling at most of the Continental stations.

TEMPERATURE

Highest 71° at Wiesbaden and Munich, 69° at Nice and Lisbon, 68° at Rochfort and Lyons, and 66° at Berlin and Biarritz.
Lowest 41° at Bodo and Naparanda, 42° at Faerder, and 43° at Christiansund, Kairn, Aberdeen and Leith.
During yesterday the thermometer rose to 81° at Portsmouth, 82° in London, and 83° at Cambridge but at Stormoway and Aberdeen it did not exceed 40°.

WIND

Moderate NE^{ly} in Norway and the northern parts of our islands.
Light W^{ly} over the Netherlands, the southeast of England and north Germany.
Light SE^{ly} on our extreme southwest coasts; moderate E^{ly} over the Bay of Biscay.

WEATHER

Fine in the north of Scandinavia, the extreme north of Scotland, the east of England, the Netherlands, Germany, and the east of France.
Cloudy elsewhere with rain over central Scotland, the south of Scandinavia and the northwest of France, and fog on our southwest coasts.
Heavy rain fell in Scotland yesterday with snow in some of the more central districts.

SEA

Rather rough at Lumburgh Head and Lulon but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay over the northwest of our islands yesterday has travelled away to the north of Denmark, and a gradual improvement in the weather is probable over our northern districts.

A shallow disturbance is however, apparently forming over the Bay of Biscay, and conditions are likely to become less settled over our southern districts.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NE ^{ly} winds, moderate; fair generally, but local showers.
1	SCOTLAND EASTD.....D.....D.....
2	ENGLAND N.E.	Light breezes, chiefly NW ^{ly} ; dull, some rain.
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	Same as N° 5.
5	ENGLAND SOUTH	N ^{ly} to variable breezes; cloudy, rain locally, possibly thunder.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as N° 2.
7	ENGLAND N.W.	Same as N° 2.
8	ENGLAND S.W.	SE ^{ly} winds, light to fresh; dull, some rain.
9	IRELAND NORTH	E ^{ly} winds, moderate; fair generally.
10	IRELAND SOUTH	Same as N° 8.

WARNINGS

The signals have been lowered this morning in district 0 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.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.06	47	40	S	1	0	2	Holyhead ...					
Sumburgh Head ...								Valencia ...					
Stornoway ...	29.90	40	40	E	7	7	6	Scilly ...					
Aberdeen ...								Jersey ...	30.05	59	59	W	3
Shields ...								Dungeness ...					
Ardrossan ...								London ...					*
Malin Head ...	29.72	51	51	WSW	3	0	3	Yarmouth ...					
Mullaghmore ...								Rocheport ...	30.08	80	70	SW	4
Beimullet ...							*						2

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

The reports for yesterday morning showed that pressure had again decreased over western Europe, and varied from 30.1 ins. and more in a band which stretched from the south of Scandinavia across the Baltic, central and southern Europe, to the Mediterranean and Algeria. From this band, readings decreased - to 29.4 ins. and less over southern Russia, Lapland, and the northwest of the British Islands. In consequence of this the wind was NW^{ly} and W^{ly} over northern Europe, and NE^{ly} to NW^{ly} on the shores of the Black Sea and over southeastern Europe, but in the neighbourhood of our Islands it was SW^{ly} at the southern stations and SE^{ly} to E^{ly} in the north. Temperature had gone down considerably over Russia, Scotland and in some parts of France, but was rising decidedly over England; looked at broadly it varied from between 70° and 80° at several of the Mediterranean and Spanish stations to rather below 40° in many parts of Scotland, and also in Lapland. The highest individual values were 80° at Bilbao and Baghisi, 75° at Biskra (Algeria), 73° at Ajaccio, 72° at Brindisi, Palermo, Trieste and at Cambridge, 71° at Nice, 70° at Naples and 69° in London; the lowest were 38° at Bodo and at Nairn, 40° at Aberdeen and Stornoway, 42° at Sumburgh Head, and 43° at Wisby and Thorp. Snow had fallen in many parts of Scotland and during the day heavy rain fell at the northern stations and the wind was strong from the E^{ly}. Over the southeast of England however, the weather was very fine and warm, the thermometer rising to 83° at Cambridge, and 82° in London by about noon. At Paris a mass of 94° was reported. In the east of Scotland however, the maximum was only 40°.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 27th MAY TO THE 2nd JUNE 1888.

The weather of the past week was very unsettled in the western and northern parts of the Kingdom, with heavy falls of rain in most places but generally fair in the southeast. On the 29th May however, rain extended to all districts.

At the commencement of the week the distribution of pressure was very irregular. The large anticyclone which had previously existed over our Islands was steadily breaking up, and by the morning of the 27th a well-marked depression had appeared over the south of Sweden, while smaller disturbances were shown respectively over Scotland and off our extreme southwest coasts. The weather was therefore in a somewhat cloudy unsettled state, excepting in the southeast, where it remained fine. In the west of Ireland some very heavy local thunderstorms were experienced in the afternoon.

The Swedish and Scotch depressions soon disappeared however, and on the 28th an anticyclone extended southeastwards down the North Sea, the shallow disturbance to the southwest of our Islands meanwhile travelling slowly northwards. E^{ly} veering to SE^{ly} winds now set in generally with fine weather in the eastern districts, but local showers in the west.

On the 29th these conditions became more decided and in the course of the following night the centre of a large and deep depression advanced to the west of Scotland occasioning 5th gales in the west and north generally, with heavy rain in many places. At some of our northwestern stations the amount measured on the morning of the 30th exceeded an inch and three quarters. On the 31st the depression which had by this time reached our extreme north coast changed its course and travelled eastwards, and in its rear the wind increased to a fresh gale from the NW^{ly} in the north and east of Scotland.

On the 1st June the disturbance had passed away to Scandinavia, but at the close of the week some new depressions were advancing to our extreme west coasts so that while fine warm weather was reported in the southeast rain was again falling in the west and north. Temperature has been as a rule somewhat low for the time of year and on the nights of the 28th May and 1st June frost was experienced over the north of Scotland. At the close of the week however, temperature rose considerably over England and on the 2nd of June the maximum readings exceeded 75° in many places.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (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, 5th June

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 ..	30.03	37	S	4	c	29.97	-0.02	43	39	+2	S	2	6	*	46	32	-		
	Hernösand ...	30.08	43	SEW	2	bc	29.95	-0.22	49	41	+4	NE	2	6	*	50	34	-		
	Stockholm ...	29.79	41	ENE	6	o	29.62	-0.49	40	39	-12	NNE	8	2	*	54	34	0.75		
	Wisby ...	29.74	50	WSW	4	c	29.63	-0.45	42	41	-3	N	7	0	*	55	41	0.28		
	Bodö ...	29.91	40	SW	4	r	29.95	0.00	42	39	+1	WSW	6	0	3	43	37	0.12		
	Christiansund...	30.04	46	NNE	4	b	30.08	+0.03	45	42	+2	W	1	6c	3	50	41	-		
	Skudesnaes ...	29.93	45	NW	2	c	30.11	+0.27	47	44	+1	NW	7	6	2	?	?	0.32		
	Christiania Fjord (Færd)	29.78	42	NNE	7	r	29.99	+1.11	47	42	+5	N	5	6	2	?	?	-		
	Skagen (The Scaw)	29.71	42	NE	3	o	29.97	+0.24	44	41	-2	NNE	4	0	5	46	41	0.08		
	Fanö ...	29.92	46	NW	6	o	30.08	+0.25	50	46	+3	NW	4	c	*	52	45	-		
BRITISH ISLANDS.	Sumburgh Head	30.14	48	NW	4	b	30.21	+0.17	47	46	+2	NW	1	c	3	52	40	0.03		
	Stornoway ..	30.24	47	E	5	bc	30.27	+0.16	48	45	+2	E	4	6	3	50	32	-		
	Wick ...	30.12	46	N	3	c	30.28	+0.20	49	48	+3	E	2	6c	2	52	32	-		
	Nairn ...	30.20	50	ENE	2	bc	30.28	+0.24	48	46	+5	E	1	6	1	52	33	0.01		
	Aberdeen...	30.18	48	NW	2	bc	30.29	+0.27	48	43	+5	ESE	2	6	2	52	36	0.02		
	Leith ...	30.18	47	E	2	o	30.26	+0.25	48	45	+5	E	3	c	*	54	39	-		
	Shields ...	30.17	48	NNE	3	bc	30.25	+0.25	47	44	+2	ENE	3	c	3	49	41	-		
	Spurn Head ...	30.15	48	NNE	4	c	30.23	+0.27	46	43	-13	NE	3	c	3	59	43	-		
	York ...	30.15	51	NNE	2	c	30.25	+0.28	46	46	-11	ENE	2	c	*	58	36	-		
	Loughborough	30.11	56	ENE	3	o	30.22	+0.20	47	44	-13	ENE	3	o	*	70	44	-		
GERMANY.	Ardrossan ...	30.10	52	ENE	2	cm	30.21	+0.20	50	43	+5	ENE	3	6	2	53	38	-		
	Malin Head ...	30.12	49	NE	2	b	30.17	+0.13	46	43	+1	ESE	4	cm	4	49	45	-		
	Mullaghmore ...	30.11	53	ENE	5	b	30.11	+0.06	48	45	0	ESE	5	cm	3	55	45	-		
	Belmullet ...	30.10	52	ENE	5	b	30.07	+0.01	50	47	+3	E	4	o	*	58	47	-		
	Donaghadee ...	30.14	52	NNE	3	bc	30.20	+0.18	48	47	-3	ENE	5	6c	4	56	46	-		
	Barrow-in-Furness	30.09	55	NNE	3	bc	30.18	+0.18	48	45	-1	NE	5	6c	*	57	41	0.01		
	Liverpool (Bidston)	30.11	56	NW	1	b	30.18	+0.17	48	43	-3	E	4	o	3	57	45	0.05		
	Holyhead ...	30.12	50	NNE	2	b	30.10	+0.08	51	46	+1	ENE	5	c	5	52	47	-		
	Parsonstown ...	30.08	60	W	0	c	30.05	-0.00	50	48	+2	Z	0	*	*	63	47	0.04		
	Valencia ...	30.02	58	NE	1	cm	29.93	-0.07	54	55	0	NE	1	qps	1	68	54	0.02		
FRANCE & NETHERLANDS.	Roche's Point...	30.04	54	SSE	3	f	29.96	-0.05	53	53	-2	ESE	6	r	5	59	50	1.15		
	Pembroke ...	30.06	59	N	2	bc	30.00	-0.06	51	50	-1	E	5	qps	4	59	49	0.02		
	Scilly ...	29.99	55	E	5	c	29.88	-0.15	54	53	-1	E	7	cm	6	57	52	0.60		
	Prawle Point ...	30.05	55	ENE	1	o	30.07	-0.10	50	50	-6	ENE	6	o	5	61	48	0.16		
	Jersey ...	30.03	62	NNE	2	o	29.96	-0.16	57	56	+4	E	4	qps	3	66	53	0.47		
	Hurst Castle ...	30.06	56	S	1	cm	30.05	-0.05	54	52	-2	E	6	c	3	64	51	0.02		
	Dungeness ...	30.04	59	W	2	c	30.10	+0.04	51	48	-5	ENE	5	o	4	59	49	-		
	London ...	30.03	70	W	2	o	30.15	+0.08	52	49	-9	E	3	o	*	75	48	-		
	Oxford ...	30.08	56	NE	3	bc	30.16	+0.10	47	45	-11	ENE	2	of	*	70	46	-		
	Cambridge ...	30.09	58	NE	2	o	30.19	+0.15	50	46	-10	ENE	1	o	*	74	45	-		
PENIN. SULA.	Yarmouth ...	30.10	62	NNE	4	c	30.20	+0.19	49	45	-10	NE	4	cv	4	67	45	-		
	Cuxhaven ...	30.01	53	WNW	4	o	30.12	+0.19	48	45	-9	WNW	3	o	*	60	46	-		
	Berlin ...	29.96	70	NW	2	b	30.08	+0.16	51	49	-15	WNW	4	6c	*	79	48	-		
	Wiesbaden ...	*	*	*	*	*	30.06	+0.01	65	57	-8	NW	2	c	*	88	61	-		
	Munich ...	30.03	73	NE	2	bc	30.44	+0.12	72	65	+1	SE	2	b	*	84	57	-		
	The Helder ...	30.10	50	N	2	c	30.18	+0.17	48	45	-9	NNE	2	c	3	61	46	-		
	Brussels ...	*	*	*	*	*	30.11	+0.04	54	50	-9	NNE	4	o	*	73	53	0.04		
	Cape Gris Nez...	30.05	58	W	1	c	30.09	+0.02	51	50	0	NE	7	o	5	63	50	-		
	Paris ...	30.02	75	NNE	3	o	30.00	-0.09	61	57	-3	N	5	o	*	84	60	-		
	Brest ...	29.98	69	N	4	o	29.93	-0.09	62	59	+5	ESE	4	o	3	72	52	-		

For Explanation of Columns, see p. 4.

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

WEATHER

CHARTS

for 8 a.m. on

Tuesday, 5th June

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.

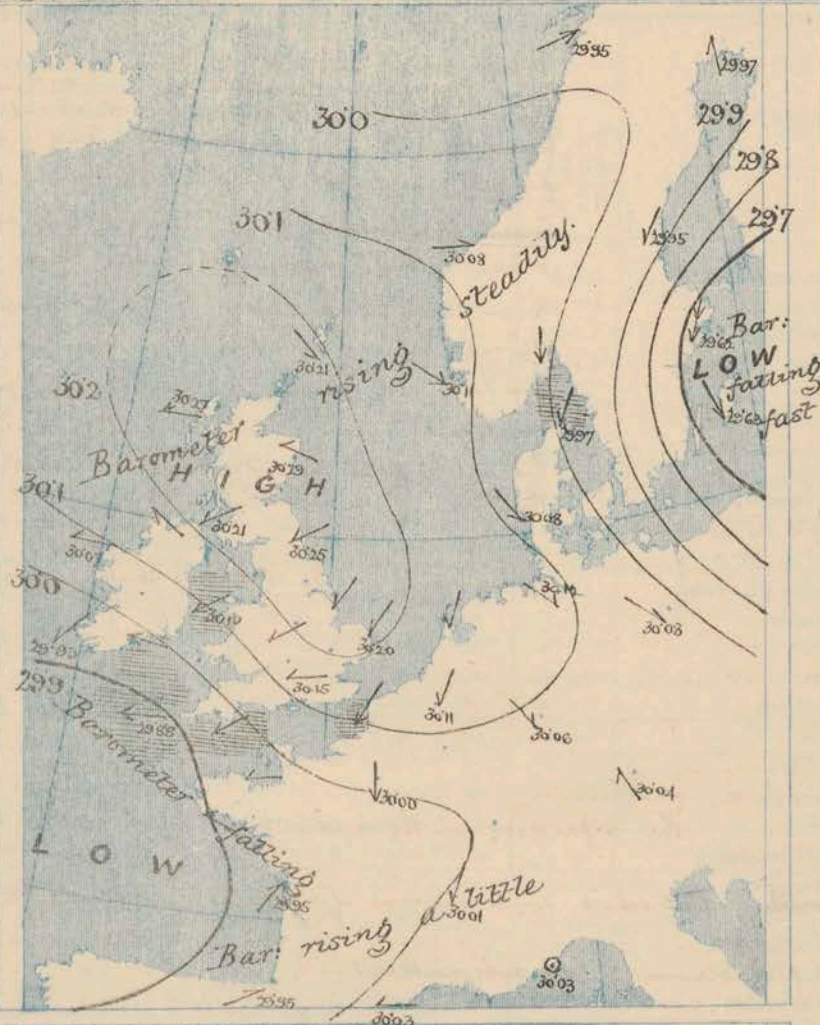
Sea Disturbance — where considerable is shown thus.

— Rough — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shields	29.928
York	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.964
Cambridge	29.967
Yarmouth	29.963



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.

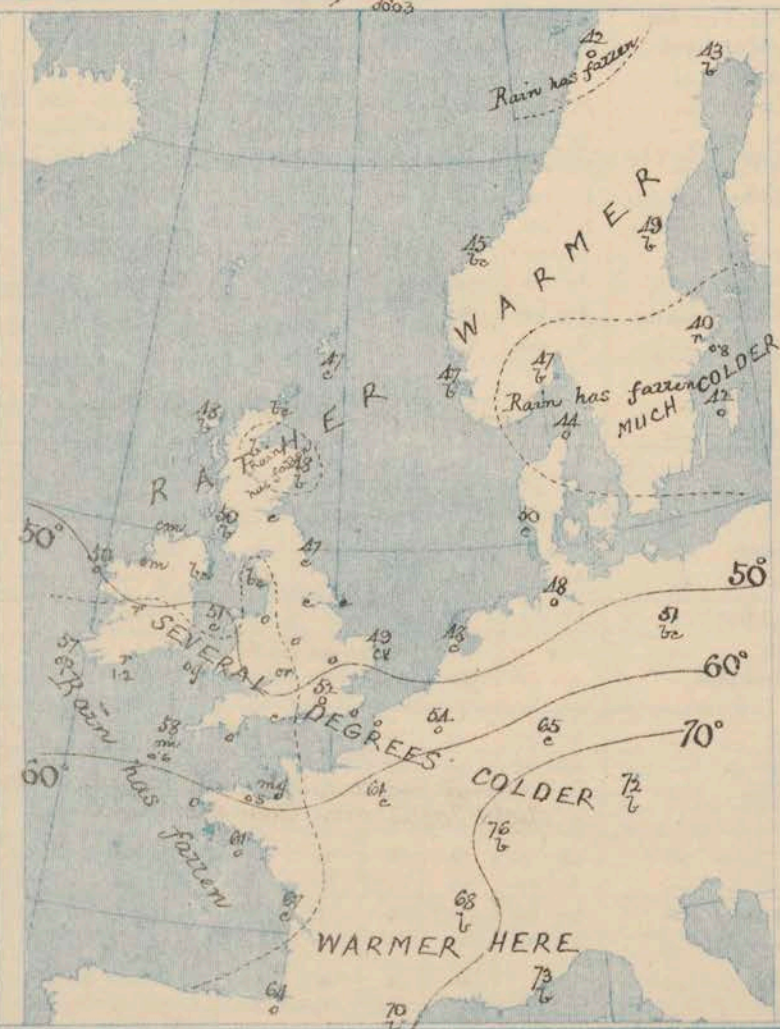
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of June.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	46.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.75
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	56.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	66.2	48.3	56.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.62
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	56.6	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.96
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	2.42
Roche's Point	64.8	50.8	56.5	53.3	3.20
Pembroke	60.3	51.4	55.0	52.9	2.09
Scilly	61.1	53.0	57.2	55.0	1.94
Jersey	64.8	52.6	58.7	55.9	1.83
Hurst Castle	63.9	51.9	57.6	55.4	2.07
Dover	63.3	53.1	58.6	55.1	1.72
LONDON	60.3	50.6	59.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.40
Yarmouth	62.2	51.4	56.9	54.1	2.02

NOTE — The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 30 years 1866-95.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins: and more over all the northern and northeastern parts of Great Britain.
 Lowest, 29.7 ins: and less over the Baltic — 29.9 ins: and less over the Bay of Biscay, and off our southwestern coast.
 Gradient, moderate in the south and southwest and in Sweden, slight in the north and east generally.
 Barometer falling, in west and south, rising in north and east.

TEMPERATURE

Highest, 76° at Belfast, 73° at Leeds, 72° at Munich, 67° at Rochefort.
 Lowest, 40° at Stockholm, 42° at Wiesbaden, 46° at Spinn Head, and 48° at several of the Scotch stations.
 It has risen in Scotland and the south of France since ye today, fallen elsewhere.

WIND

Nth over Sweden (a gale in places) — Wth in Norway.
 NEth and Eth in our Islands — light in the north and east, strong in west and south.
 Over France and Germany it is variable — in Spain it is Wth, and at Rochefort SWth.

WEATHER

Much rain in west and southwest, dull, with slight showers in south.
 Fine and bright in the east and north. Une settled in the west of France.
 Rainfall — 1.2 ins: at Rochefort, 0.6 ins: at Leeds, 0.5 ins: at Jersey.

SEA

Rather rough in the west and south, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the southwest is likely to produce more rain at our southwestern and western stations, with thunder locally, after which some recovery of temperature is probable, and the wind is likely to draw round to S. or SW. Fine weather is probable in the east and northeast.

FORECASTS

For the 24 hours ending at NOON on 6th June. 1883.

DISTRICTS.

FORECASTS.

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

Eth and SEth winds, moderate; fair.

— D° — D° — D° —

— D° — D° — D° —

Same as N°5

Same as N°5

Eth winds, moderate or fresh; cloudy with slight local rain then fair, cold.

DISTRICTS.

FORECASTS.

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

Same as N°0.

Eth and SEth winds, fresh; fair to stormy.



— D° — D° — D° —

Eth and SEth winds, strong; stormy, thunder locally.

— D° — D° — D° —

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 ...	29.88	46	43	20	5	2	Holyhead ...	30.09	52	48	NNE 1	c	1
Sumburgh Head ...	30.09	49	44	NNE 4	60	5	Valencia ...	30.05	65	61	SW 1	c	2
Stornoway ...	30.21	50	48	E 5	60	4	Scilly ...	30.03	56	55	E 4	0	3
Aberdeen ...	30.12	50	45	N 2	c	2	Jersey ...	30.04	55	61	NE 2	0	2
Shields ...	30.10	48	45	NNE 4	c	4	Dungeness ...	30.06	56	54	WSW 2	c	3
Ardrossan ...	30.11	52	48	ESE 2	0	1	London ...	30.04	71	64	W 2	60	*
Malin Head ...	30.13	49	46	NE 2	6	3	Yarmouth ...	30.03	61	57	S 2	60	2
Mullaghmore ...	30.10	54	49	NE 4	64	2	Rocheport ...	29.99	75	72	ASE 3	6	2
Belmullet ...	30.11	53	49	ESE 3	6	*							

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 Mediterranean and also over Western and Central Russia, to about 29.8 ins. on the northern side of the Black Sea, to 29.7 ins. in a depression lying over Denmark, and to 29.9 ins. off the west of Portugal. The wind was consequently very variable — strong from NE. or N. over Norway and the greater part of the British Isles and Austria, E²⁴ over the Bay of Biscay + SE²⁴ in Ireland. The weather was changeable in the north, fair in the south, and rain was reported in some localities. Temperature was giving way — especially over the United Kingdom, but the readings still varied between 70° and 80° at some of the Mediterranean and Algerian stations, to about 40° in the far north. The highest individual values were 80° at Cagliari, 78° at Turin, 77° at Biskra (Algeria), 76° at Karlsruhe, 73° at Livorno and Palermo, 71° at Munich and Wiesbaden, 68° at Lyons and Rochefort, 66° at Berlin, 64° at Paris, and 61° in London; the lowest were 41° at Uleaborg, Haparanda and Rode, 43° at Christiansund, and 45° at Hunsand and Sumburgh Head.

Later in the day the thermometer rose to 97° at Rhenitz, to 86° at Belfort, 84° at Paris and 78° 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.

* 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 Wednesday 6th June 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 3.)	SHADE TEMP.			
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	29.89	44	Z	0	b	29.93	-.04	50	44	+ 7	N	4	o	*	59	34	—	
	Hernösand ...	29.97	50	Z	0	c	30.05	+ .10	49	41	0	NNE	6	b	*	64	32	—	
	Stockholm ...	29.85	46	NNW	4	c	29.99	+ .37	50	42	+ 10	N	6	o	*	30	37	0.12	
	Wisby ...	29.93	44	N	6	c	30.01	+ .38	45	42	+ 3	NNE	4	b	*	48	37	—	
	Bodö ...	30.04	40	WSW	2	c	30.16	+ .21	42	37	0	NNW	2	c	1	43	37	—	
	Christiansund...	30.12	47	W	3	b	30.22	+ .14	46	43	+ 1	WNW	2	c	3	48	41	0.08	
	Skudesnaes ...	30.18	46	NW	6	b	30.17	+ .06	51	46	+ 4	NNW	2	b	3	?	46	—	
	Christiania Fjord (Færdar)	29.99	51	WSW	4	b	30.14	+ .15	50	44	+ 8	N	4	b	3	54	47	—	
	Skagen (The Scaw)	30.03	47	NNW	1	b	30.10	+ .13	51	48	+ 7	E	2	b	1	57	41	—	
	Fanö ...	30.17	45	NNW	4	b	30.15	+ .07	50	46	+ 2	NNW	2	b	*	57	39	—	
BRITISH ISLANDS.	Sumburgh Head	30.25	49	Z	0	b	30.22	+ .01	44	41	- 3	SE	1	c	1	51	36	—	
	Stornoway ..	30.19	49	E	4	b	30.03	-.24	49	45	+ 1	SE	6	b	4	50	40	—	
	Wick ...	30.25	50	SE	2	b	30.15	-.13	49	46	0	SE	4	c	3	57	42	—	
	Nairn ...	30.17	57	NE	3	b	30.10	-.18	48	44	0	SSW	3	b	2	58	32	—	
	Aberdeen...	30.27	47	SE	2	b	30.17	-.12	48	45	0	SE	4	c	3	53	34	—	
	Leith ...	30.21	48	E	4	b	30.09	-.17	48	44	0	E	5	c	*	52	42	—	
	Shields ...	30.21	47	ENE	3	o	30.05	-.20	47	45	0	ENE	4	o	4	53	43	—	
	Spurn Head ...	30.18	47	E	4	c	29.99	-.24	47	46	+ 1	E	5	op	4	50	45	—	
	York ...	30.20	50	E	2	c	29.98	-.27	49	45	+ 3	E	4	o	*	58	43	—	
	Loughborough	30.15	48	ENE	3	o	29.94	-.28	48	47	+ 1	ENE	3	r	*	57	45	0.13	
GERMANY.	Ardrossan ...	30.11	50	ENE	4	c	29.99	-.22	44	38	- 6	ENE	4	o	2	62	41	—	
	Malin Head ...	30.07	49	ESE	3	om	29.91	-.26	44	44	- 2	ESE	4	om	3	51	44	0.03	
	Mullaghmore ...	30.03	50	E	5	org	29.82	-.29	47	46	- 1	ESE	6	org	4	54	46	1.10	
	Belmullet ...	29.99	50	E	4	o	29.77	-.30	49	49	- 1	ESE	2	r	*	56	48	0.40	
	Donaghadee ...	30.10	52	ENE	4	o	29.96	-.24	47	45	- 1	E	4	o	2	63	45	0.01	
	Barrow-in-Furness	30.11	56	N	4	c	29.98	-.20	46	43	- 2	SE	5	ogu	*	60	45	0.01	
	Liverpool (Bidston)	30.11	53	ESE	4	o	29.97	-.21	45	44	- 3	ENE	4	r	3	58	44	0.07	
	Holyhead ...	30.04	52	E	4	om	29.90	-.20	46	46	- 5	E	4	rm	4	55	45	0.38	
	Parsonstown ...	29.98	51	Z	0	r	29.81	-.24	49	48	- 1	Z	0	o	*	52	48	1.67	
	Valencia ...	29.82	57	E	6	o	29.71	-.22	50	55	- 1	SE	3	op	4	62	54	0.05	
FRANCE & NETHERLANDS.	Roche's Point...	29.90	52	ESE	6	r	29.80	-.16	54	59	+ 1	S	3	om	4	54	50	1.25	
	Pembroke ...	29.93	51	ESE	6	r	29.86	-.14	48	48	- 3	ESE	4	op	3	54	38	0.67	
	Scilly ...	29.85	53	ESE	6	r	29.85	-.03	56	55	+ 2	S	3	op	4	56	41	0.28	
	Prawle Point ...	29.96	49	ENE	5	r	29.90	-.07	51	51	+ 1	NNW	1	om	1	53	46	1.10	
	Jersey ...	29.90	57	E	5	bcm	29.91	-.05	50	54	- 1	WSW	4	cgm	3	60	53	0.80	
	Hurst Castle ...	30.00	55	E	6	cp	29.86	-.19	53	53	- 1	S	3	o	1	57	51	0.32	
	Dungeness ...	30.02	51	E	6	c	29.85	-.25	57	50	0	E	4	c	3	54	49	0.14	
	London ...	30.08	51	E	4	o	29.88	-.27	52	57	0	ESE	2	op	*	56	48	0.01	
	Oxford ...	30.07	51	E	3	o	29.89	-.27	49	48	+ 2	NE	2	opg	*	56	45	0.21	
	Cambridge ...	30.11	54	ENE	2	o	29.91	-.28	52	50	+ 2	E	2	o	*	61	45	—	
PENIN- SULA.	Yarmouth ...	30.17	48	ENE	5	cu	29.97	-.23	50	49	+ 1	E	6	cgg	5	50	46	0.01	
	Cuxhaven ...	30.20	48	NNW	3	c	30.18	+ .06	55	53	+ 7	E	2	b	*	62	48	—	
	Berlin ...	30.14	55	NNW	4	b	30.14	+ .06	53	48	+ 2	SE	3	b	*	68	48	—	
	Wiesbaden ...	*	*	*	*	*	29.96	-.10	66	50	+ 1	NE	1	o	*	70	59	—	
	Munich ...	29.99	72	NE	2	b	30.03	-.01	70	64	- 2	W	1	c	*	84	59	0.16	
	The Helder ...	30.14	50	NE	4	c	30.02	-.16	52	49	+ 4	E	4	r	3	52	48	—	
	Brussels ...	*	*	*	*	*	29.91	-.20	52	50	- 2	E	3	r	*	63	50	0.12	
	Cape Gris Nez...	30.03	50	NE	7	r	29.86	-.23	53	53	+ 2	E	4	c	4	54	50	0.12	
	Paris ...	29.93	72	NNE	3	o	29.91	-.09	59	58	- 2	SW	1	o	*	81	58	0.32	
	Brest ...	29.96	58	NNW	4	r	29.96	+ .03	55	53	- 7	WSW	1	o	2	72	52	0.51	
PENIN- SULA.	Lorient ...	29.91	59	W	5	r	29.95	+ .04	57	54	- 4	NNW	4	o	2	72	55	0.20	
	Rochefort ...	29.89	72	NNE	4	b	30.00	+ .05	62	60	- 5	N	4	r	2	81	57	0.08	
	Belfort ...	29.99	86	W	1	b	29.99	-.01	79	62	+ 3	W	1	b	*	90	51	—	
	Lyons ...	29.89	83	S	5	b	29.97	-.04	72	58	+ 4	SSW	1	c	*	89	62	—	
	Nice ...	29.99	77	W	3	b	30.02	-.01	70	63	- 3	SSW	1	b	0	79	64	—	
	Perpignan ...	29.95	71	NE	3	b	30.00	-.03	71	65	+ 1	Z	0	b	*	79	60	—	
	Biarritz ...	29.94	65	W	4	o	29.99	+ .04	62	61	- 2	W	4	r	2	91	61	0.24	
	Corunna ...	*	*	*	*	*													
	Lisbon ...	29.97	62	NW	7	c	30.05	+ .07	62	58	0	NNE	4	b	3	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 Wednesday 6th June. 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;

→ = force 5 to 7; → = forces 1 to 4;

○ = dead calm

Sea Disturbance — where considerable is shown thus.

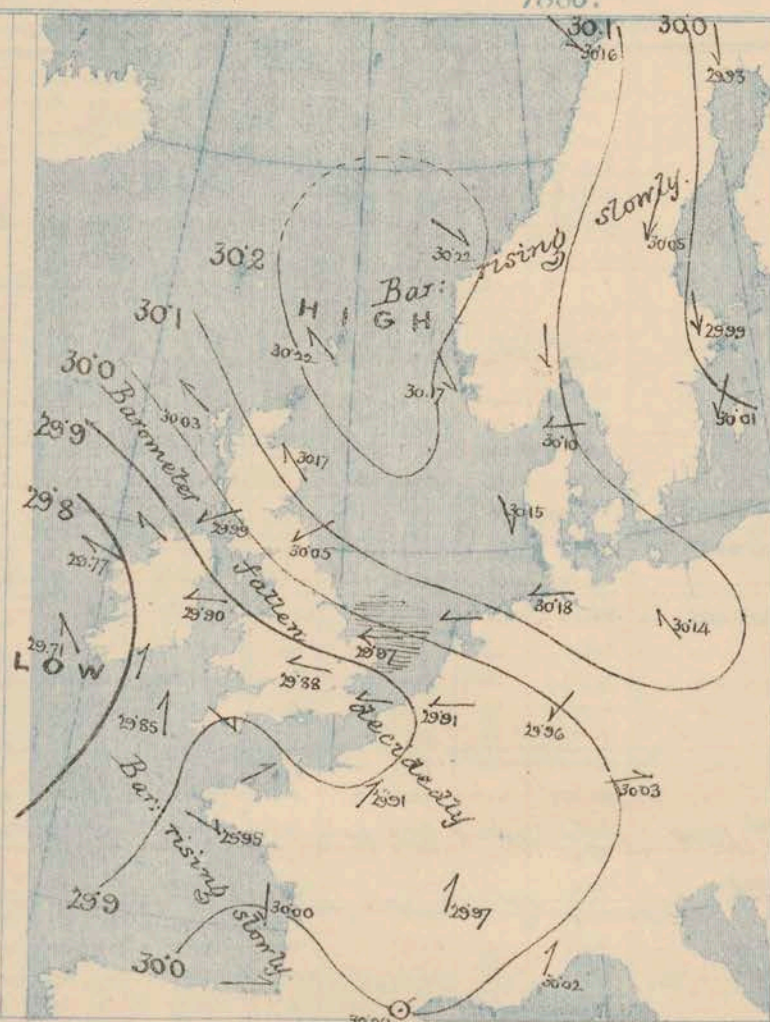
■ = Rough ■ = High

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shields	29.928
York	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.984
Cambridge	29.987
Yarmouth	29.968



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.

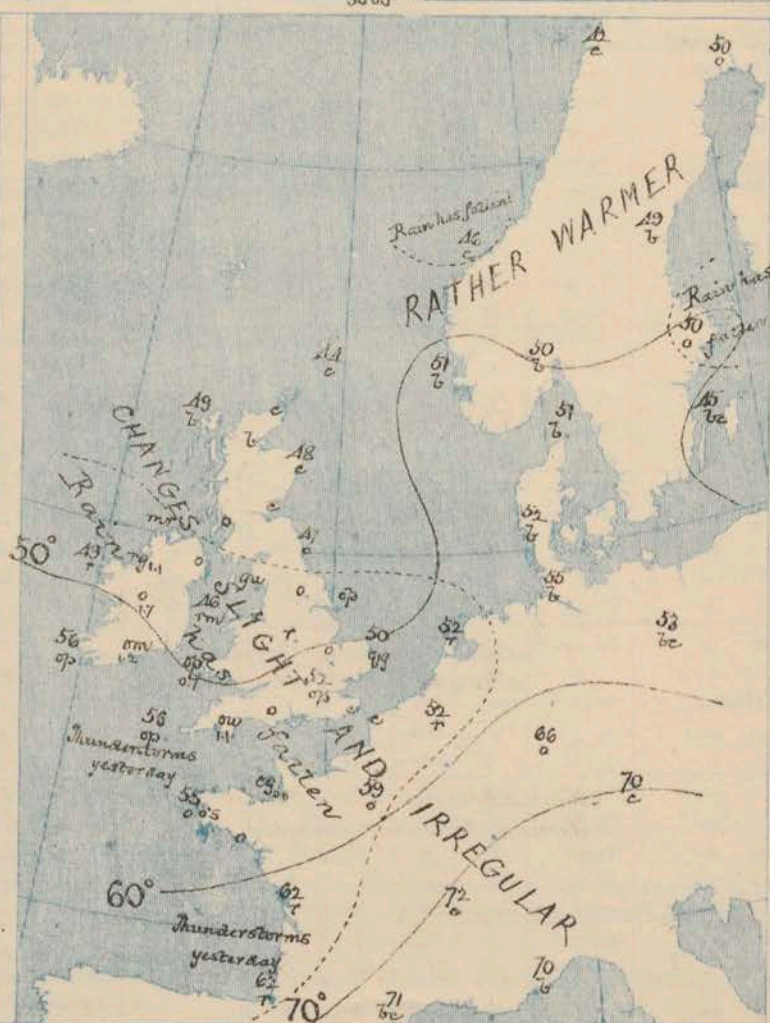
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of June.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 5 a.m.		
			Dry.	Wet.	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	46.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.75
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	56.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	68.2	48.3	56.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.62
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.6	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.96
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	3.26
Pembroke	60.3	51.4	55.0	52.9	2.09
Scilly	61.1	53.0	67.2	55.0	1.94
Jersey	64.8	52.6	58.7	55.9	1.83
Hurst Castle	63.9	51.9	57.6	55.4	2.07
Dover	63.3	53.1	58.6	55.1	1.72
LONDON	69.3	50.6	59.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.40
Yarmouth	62.2	51.4	56.9	54.1	2.02

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. in the Shetlands and the west of Norway - 30.0 ins. in the southwest of France.
Lowest 29.7 ins. at Calancon, 29.9 ins. and less at all our western and southern stations.

Gradients moderate in the north and northeast of our Islands, slight elsewhere.

Barometer falling except in Sweden, and in the southwest of France.

Highest 71° at Perpignan, 70° at Nice and Munich, 66° at Wiesbaden, and 62° at Biarritz and Rochefort.

TEMPERATURE

Lowest 42° at Bodø, 44° at Lumburgh Head and Malin Head, 43° at Wisby, and 47° on our northeast coast.

It is therefore low in most places, and its distribution is irregular.

Moderate to strong from S.E. and E. over the northern parts of our Islands.

WIND

Light and variable in the southwest and south, and in France.

Strong from the N.W. in Sweden and the Baltic.

WEATHER

Fine in the north. Dull, unsettled and showery elsewhere, with occasional thunderstorms in several southwestern and southern localities.

Much rain has fallen in the west and southwest.

SEA

Slight or smooth in the south and southwest, moderate in the northwest, north and northeast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the west and south appear likely to produce rainy unsettled weather in all parts of the Kingdom, with heavy showers and thunderstorms in several places - chiefly over England.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SE ³ winds, fresh; fair to rainy, thunder locally.
1	SCOTLAND EAST	D°.....D°.....D°.....
2	ENGLAND N.E.	D°.....D°.....D°.....
3	ENGLAND EAST	E ³ and varying winds; local showers, some thunder.
4	MIDLAND COUNTIES	D°.....D°.....D°.....
5	ENGLAND SOUTH	Variable and SW ³ breezes; rain at times, thunder locally, milder later.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as N ^{os} 0 to 2.
7	ENGLAND N.W.	Same as N ^{os} 0 to 2.
8	ENGLAND S.W.	SE ³ to SW ³ winds; rain at times, some thunder, becoming milder.
9	IRELAND NORTH	D°.....D°.....D°.....
10	IRELAND SOUTH	D°.....D°.....D°.....

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 ...	30.7	49	44	NW 7	b	4	Holyhead ...	30.08	59	49	ENE 4	o	4
Snaburgh Head ...	30.24	46	45	NW 1	b	3	Valencia ...	29.88	57	54	E 5	o	5
Stornoway ...	30.23	50	47	E 4	b	4	Scilly ...	29.87	54	53	ESE 7	om	6
Aberdeen ...	30.28	51	47	ESE 2	b	2	Jersey ...	29.96	59	57	ENE 5	c	4
Shields ...	30.24	53	50	NE 3	c	4	Dungeness ...	30.06	52	49	E 6	c	5
Ardrossan ...	30.19	52	58	E 4	b	2	London ...	30.14	54	50	SE 3	or	*
Malin Head ...	30.11	49	47	ESE 4	o	3	Yarmouth ...	30.19	50	47	NE 4	c	4
Mullaghmore ...	30.06	53	49	E 5	om	3	Rocheport ...	29.96	77	71	NW 4	b	2
Belmullet ...	30.05	54	50	E 3	o	*							

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

The reports for yesterday morning showed that a broad high pressure band extended in a northwest - southeast direction from northwest, to central and southeastern Europe. In this band the readings were all above 30.0 ins., while in an anticyclone at its northwestern extremity (i.e. over the northern parts of our Islands) they varied from 30.2 ins. to 30.3 ins. Two low-pressure systems were observed - one over the Baltic, and the other over the Bay of Biscay - so that strong E^{ly} and SE^{ly} winds were felt over the British Islands, and W^{ly} to SW^{ly} winds in Spain, while over the Baltic the winds reported were NE^{ly} to NW^{ly}. The weather had become very rainy in Ireland, the southwestern parts of England and the west of France on the one hand, and over Sweden, Finland and the Baltic on the other - but was fine in the north and east of our Islands, and over central and southeastern Europe. Temperature had increased in the southern parts of France, decreased elsewhere, and was very low for the time of year except over the southern districts. It ranged from between 70° and 80° on the Mediterranean coasts to between 50° and 55° in the south of our Islands, and to very little above 40° in the far north. The highest individual (8 am) values were, 80° at Lagharia, 78° at Biskra (Algeria) 76° at Rome and Belfort, 73° at Brindisi and Nice, 72° at Munich, and 63° at Warsaw. The lowest were 40° at Stockholm, 42° at Wisby and Bodö, 43° at Kuopio and Haparanda, and 47° to 49° at the Scotch stations. During the day much more rain fell in Ireland, the southwest of England and the Channel Islands, and thunderstorms occurred at several of the southwestern 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, 7th June 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. 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 8 P. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force, (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	30.06	43	N	2	b	30.15	+ .12	46	40	- .44	2	0	b	*	55	41	-	
	Hernösand ...	30.17	47	SE	0	b	30.20	+ .15	50	43	+ .1	NE	2	b	*	64	43	-	
	Stockholm ...	30.12	50	SE	0	c	30.18	+ .19	55	46	+ .5	SE	0	b	*	59	45	-	
	Wisby ...	30.15	45	W	2	b	30.21	+ .20	46	42	+ .1	SW	2	b	*	59	39	-	
	Bodö ...	30.20	42	W	2	b	30.17	+ .01	42	38	0	SSW	2	0	1	45	39	-	
	Christiansund...	30.16	49	NE	5	b	30.08	- .14	50	45	+ .4	ESE	1	b	1	50	43	-	
	Skudesnaes ...	30.12	55	W	1	c	30.02	- .15	54	46	+ .3	E	3	0	3	59	50	-	
	Christiania Fjord (Færder)	30.14	55	WSW	2	b	30.15	+ .01	54	46	+ .4	E	2	bc	1	55	?	-	
	Skagen (The Scaw)	30.12	52	NE	1	b	30.09	- .01	53	49	+ .2	SSE	2	0	2	63	48	-	
	Fanö ...	30.04	51	E	4	b	29.92	- .23	52	49	0	SE	6	0	*	63	48	-	
BRITISH ISLANDS.	Sumburgh Head	30.10	46	E	3	0	29.91	- .31	48	46	+ .4	SSE	2	0	3	48	42	-	
	Stornoway ..	29.92	51	SE	6	0	29.72	- .32	49	47	0	SE	4	0	3	54	48	0.04	
	Wick ...	30.06	46	SE	5	0	29.82	- .33	47	45	- .2	SE	5	0	4	53	42	-	
	Nairn ...	29.93	46	E	3	0	29.77	- .33	49	47	+ .1	E	1	op	1	56	41	0.09	
	Aberdeen...	30.04	45	SE	2	0	29.83	- .34	45	44	- .3	SE	2	og	2	51	44	0.01	
	Leith ...	30.01	46	E	5	0	29.79	- .30	47	45	- .1	E	4	0	*	52	43	0.08	
	Shields ...	29.94	46	E	3	0	29.78	- .27	46	45	- .1	WNW	1	0	3	48	43	0.05	
	Spurn Head ...	29.84	47	ESE	4	0	29.83	- .16	48	47	+ .1	W	1	0	3	49	46	0.25	
	York ...	29.91	47	ESE	1	?	29.82	- .23	48	47	- .1	WSW	1	0	*	50	45	0.30	
	Loughborough	29.87	53	W	1	0	29.82	- .12	52	51	+ .4	SE	1	om	*	53	48	0.28	
GERMANY.	Ardrossan ...	29.88	47	ESE	4	0	29.73	- .26	49	47	+ .5	ESE	3	opm	2	51	43	0.18	
	Malin Head ...	29.75	47	SE	5	0	29.62	- .29	49	49	+ .5	SE	3	om	3	49	44	0.06	
	Mullaghmore ...	29.69	51	ESE	6	0	29.59	- .23	52	51	+ .5	SSW	2	or	2	55	43	0.11	
	Belmullet ...	29.64	56	SE	2	0	29.57	- .20	52	50	+ .3	SW	2	0	*	56	49	0.15	
	Donaghadee ...	29.84	48	SE	2	0	29.69	- .27	48	48	+ .1	SE	4	?	3	48	45	0.40	
	Barrow-in-Furness	29.87	49	NE	2	0	29.77	- .21	52	50	+ .6	NE	3	0	*	57	45	0.10	
	Liverpool (Bidston)	29.87	51	ESE	1	0	29.76	- .21	57	54	+ .12	SE	2	0	2	57	45	0.07	
	Holyhead ...	29.83	53	SE	2	cmp	29.72	- .18	55	54	+ .9	SSE	4	om	4	56	46	0.02	
	Parsonstown ...	29.69	60	SSE	2	0	29.64	- .14	54	53	+ .5	2	0	0	*	64	48	0.09	
	Valencia ...	29.67	57	SSW	3	0	29.62	- .09	56	54	0	SSE	4	om	4	59	52	0.02	
FRANCE & NETHERLANDS.	Roche's Point...	29.72	56	S	3	0	29.65	- .15	54	53	0	SSW	3	om	4	58	52	-	
	Pembroke ...	29.82	53	SSE	3	0	29.73	- .13	52	52	+ .4	S	3	opm	3	56	48	0.01	
	Scilly ...	29.82	59	SSW	3	c	29.77	- .08	61	58	+ .5	SSW	3	cm	3	63	52	0.04	
	Prawle Point ...	29.88	54	WSW	2	0	29.85	- .05	53	52	+ .2	SW	2	0	2	58	49	0.03	
	Jersey ...	29.90	60	SSW	1	b	29.88	- .03	56	55	0	SW	3	cm	3	63	53	0.08	
	Hurst Castle ...	29.90	52	SW	3	?	29.86	- .04	56	56	+ .3	SSW	3	0	1	60	50	0.15	
	Dungeness ...	29.86	53	WSW	4	0	29.86	+ .01	51	51	0	SW	3	0	1	56	46	-	
	London ...	29.87	59	W	2	c	29.86	- .02	54	52	+ .2	S	1	0	*	60	47	0.03	
	Oxford ...	29.88	55	W	1	bc	29.83	- .06	56	54	+ .7	SSW	1	0	*	58	49	0.01	
	Cambridge ...	29.86	58	W	1	0	29.84	- .07	56	55	+ .4	S	1	0	*	58	41	-	
PENIN-SULA.	Yarmouth ...	29.84	54	WSW	2	c	29.85	- .12	56	54	+ .6	WSW	2	0	3	56	47	0.02	
	Cuxhaven ...	30.01	53	E	4	c	29.95	- .23	54	54	- .1	E	6	?	*	60	51	0.16	
	Berlin ...	30.04	62	E	2	c	29.97	- .17	57	49	+ .4	ESE	5	0	*	68	52	-	
	Wiesbaden ...	*	*	*	*	*	29.91	- .05	65	63	- .1	2	0	0	*	77	61	0.71	
	Munich ...	29.91	73	NE	2	bc	29.98	- .05	67	63	- .3	W	4	0	*	84	63	-	
	The Helder ...	29.89	56	ESE	1	0	29.85	- .17	54	53	+ .2	SW	1	f	1	57	52	0.04	
	Brussels ...	*	*	*	*	*	29.84	- .02	56	54	+ .4	WSW	1	bc	*	64	?	0.04	
	Cape Gris Nez...	29.89	52	WSW	4	0	29.86	- .00	53	53	0	SSW	1	bc	1	59	48	-	
	Paris ...	29.91	68	W	1	0	29.93	+ .02	63	60	+ .4	SW	3	b	*	78	58	0.04	
	Brest ...	29.95	60	SW	4	0	29.92	- .04	56	53	+ .1	SW	4	0	4	72	54	0.08	
PENIN-SULA.	Lorient ...	29.95	65	WSW	4	b	29.92	- .03	58	56	+ .1	WNW	4	bc	3	68	55	-	
	Rochefort ...	29.99	64	NW	4	0	30.03	+ .03	63	60	+ .1	WSW	5	0	2	73	55	-	
	Belfort ...	29.90	52	W	1	b	30.00	+ .01	67	57	- .12	WSW	3	0	*	86	60	0.12	
	Lyons ...	29.95	69	NW	4	0	30.03	+ .06	63	60	- .9	SSE	1	0	*	88	60	0.24	
	Nice ...	29.98	73	WNW	1	b	29.97	- .05	71	63	+ .1	W	1	0	2	79	59	-	
	Perpignan ...	29.97	72	NE	3	?	30.03	+ .03	70	69	- .1	2	0	0	*	77	64	0.28	
	Biarritz ...	29.95	63	W	5	?	30.02	+ .03	64	62	+ .2	2	0	0	0	70	61	0.63	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	30.09	63	WNW	5	b	30.09	+ .04	63	58	+ .1	NW	4	bc	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, 7th June.

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;
→ = force to 7; → = forces 1 to 4;

○ = dead calm

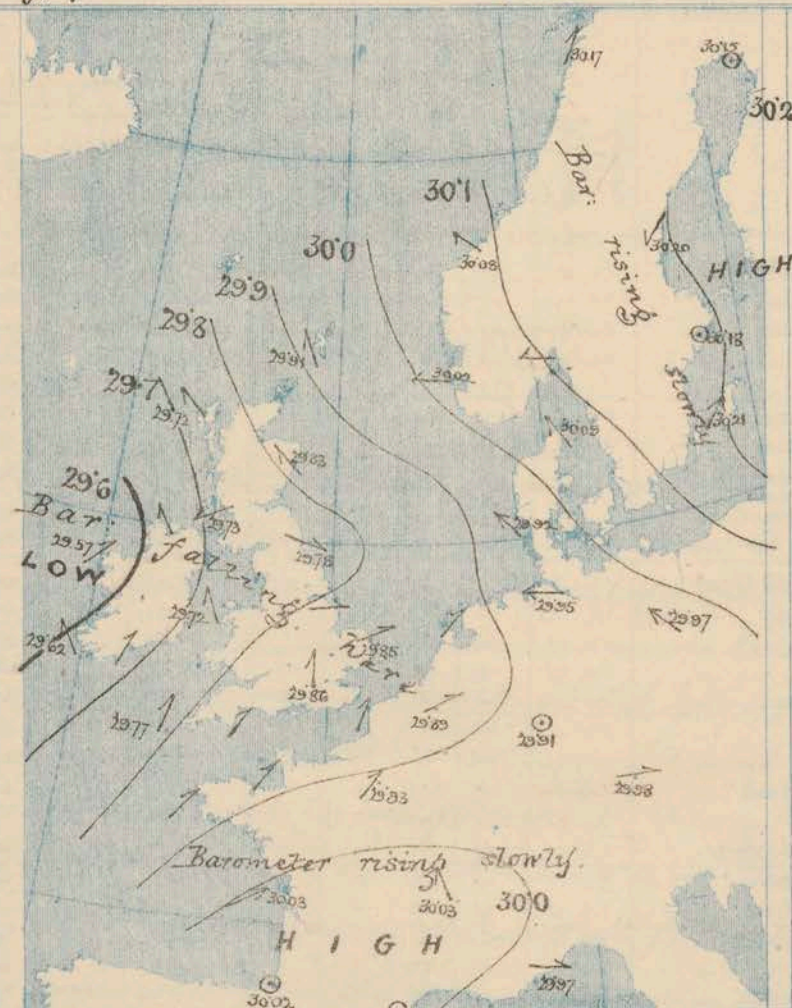
Sea Disturbance — where considerable is shown thus.

■ = Rough; ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS. in.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shields	29.928
York	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.964
Cambridge	29.967
Yarmouth	29.963



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.

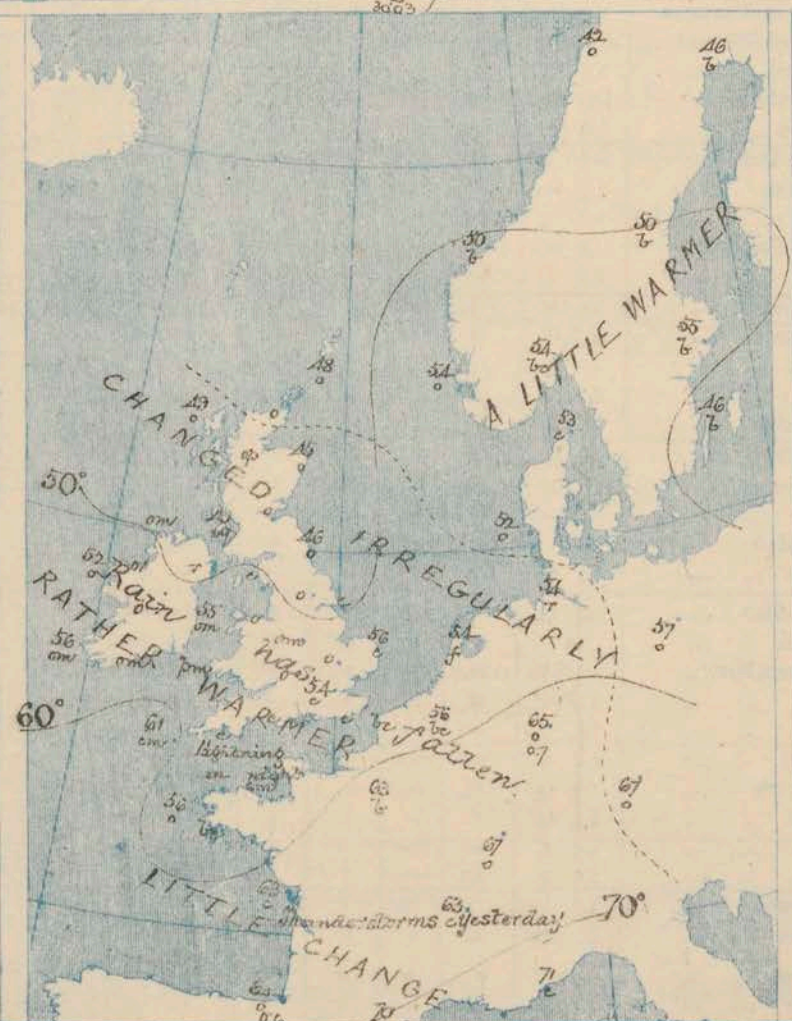
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of June.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	46.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.75
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	56.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	66.2	48.3	56.1	52.7	2.46
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.52
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.6	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.96
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	3.26
Pembroke	60.3	51.4	55.0	52.9	2.09
Scilly	61.1	53.0	57.2	55.0	1.94
Jersey	64.8	52.6	58.7	55.9	1.83
Hurst Castle	63.9	51.9	57.6	55.4	2.07
Dover	63.3	53.1	58.6	55.1	1.72
LONDON	69.3	50.6	59.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.23
Cambridge	68.8	48.5	58.0	54.7	2.40
Yarmouth	62.2	51.4	56.9	54.1	2.02

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 Hebrides and Gulf of Bothnia — 30.0 ins. and more in the south of France.
Lowest, 29.6 ins. and less, off the west of Ireland — 29.85 ins. at Harmouth and Helder.
Gradient slight generally — Barometer falling unsteadily, except over Sweden, and in the south of France.

TEMPERATURE

Highest, 71° at Nice, 67° at Munich, 63° at Paris, 61° at Sicily, 56° at Valencia and Oxford.
Lowest, 42° at Bodö, 45° at Aberdeen, 46° at Haparanda and Neby, 47° at Wick and 47° at Lough Head.
It is now increasing at the southern stations, and the rain is spreading northwards.

WIND

Moderate SE^{ly} on our north and northwest coasts — light S^{ly} and SW^{ly} in the south and southwest.
Moderate SW^{ly} to W^{ly} in France.
Over Germany the wind is fresh from the Eth and in Scandinavia it is light and variable.

WEATHER

Clear over Sweden — Cloudy elsewhere, with showers in several places.
Rain has fallen in almost all parts of our Islands during the past twenty-four hours.
Thunder has occurred in the south and southwest.

SEA

is very little disturbed.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A fresh fall of the barometer has set in at Valencia during the night, and a continuation of cloudy, showery weather is probable, with thunder in some places.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

SE^{ly} and variable winds, light; showery, milder.
SW^{ly} and W^{ly} winds, light; rather warm, some showers, with bright intervals.

DISTRICTS.

FORECASTS.



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

Same as No. 0.

Varying S^{ly} winds, moderate or light; 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 ...	30.15	59	50	NW 4	6	3	Holyhead ...	29.87	52	50	SE 2	0	3
Sumburgh Head ...	30.17	56	52	ESE 2	6	2	Valencia ...	29.68	59	57	SSW 4	0	4
Stornoway ...	29.97	54	49	SE 6	0	4	Scilly ...	29.84	63	60	SSW 4	0	4
Aberdeen ...	30.10	48	45	SSE 2	0	2	Jersey ...	29.95	62	57	SW 3	6	3
Shields ...	30.00	47	45	E 4	0	4	Dungeness ...	29.80	54	51	SW 4	m	3
Ardrossan ...	29.96	48	46	EHE 4	1	2	London ...	29.86	59	56	W 2	0	*
Malin Head ...	29.82	45	45	SE 5	0	4	Yarmouth ...	29.87	52	50	E 5	c	4
Mullaghmore ...	29.74	50	48	SE 6	0	5	Rocheport ...	30.02	67	63	NW 4	0	2
Belmullet ...	29.70	55	54	ESE 3	0	*							

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

The reports for yesterday morning showed that pressure varied from 30.2 ins. and more in the Shetland Isles and west of Norway, and from between that value and 30.0 ins. over the whole of Central and southern Europe, to about 29.5 ins. in a depression lying near St. Petersburg, and to 29.6 ins. and less, in another depression lying off the west of Ireland. Strong N^W winds and gales prevailed over the gulfs of Bothnia and Finland, with showery weather, and moderate N^W breezes on the eastern shores of the North Sea with fine weather. Over the British Isles the wind was mainly E^{ly} and SE^{ly}, fresh to strong in force, and much rain had fallen in the west, but at our southern stations the wind had lulled and was veering to the SW^{ly}, while in France it was variable and the weather fair. Temperature was increasing over the southern countries, and ranged from 80° and more over the western part of the Mediterranean to very little above 40° over some parts of Northern Europe. The highest individual values were 83° at Cagliari, 81° at Trieste, 78° at Kiskra (Algiers) and at Casars, 74° at Palermo, 73° at Livorno, 71° at Perpignan, and 70° at Munich; the lowest were 42° at Bodo, 43° at Kuopio, 44° at Sumburgh Head, 45° at Riga and Wexby, and 46° at Helsingfors.

During the day the depression in the west moved northwards, and showers of rain fell in almost all parts of our islands, followed by a veering of the wind to the southward except in Scotland.

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, 8th June

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 ..	30.10	41	2	0	b	30.10	-05	46	42	0	SSW	4	b	*	52	34	-	
	Hernösand ...	30.13	45	S	2	b	30.12	-08	47	41	-3	SSW	2	bc	*	61	34	-	
	Stockholm ...	30.10	50	2	0	b	30.10	-08	57	48	+2	SE	2	bc	*	64	39	-	
	Wisby ...	30.16	47	WSW	2	b	30.10	-11	53	45	+7	ESE	4	bc	*	63	41	-	
	Bodö ...	30.07	42	N	2	b	29.89	-28	56	47	+14	ESE	2	b	1	56	37	-	
	Christiansund...	29.95	55	ESE	1	c	29.85	-23	55	49	+5	SSW	1	0	1	59	48	-	
	Skudesnaes ...	29.89	53	SE	6	0	29.91	-11	51	47	-3	SSE	5	0	4	55	?	-	
	Christiania Fjord (Fjord)	30.04	57	2	0	0	30.02	-13	51	48	-3	SSW	2	0	2	57	50	-	
	Skagen (The Scaw)	30.00	53	SSE	2	0	30.01	-08	50	47	-3	SSE	2	0	2	61	46	-	
	Fanö ...	29.91	49	SE	6	T	29.94	+02	53	51	+1	SSE	4	c	*	55	48	0.12	
BRITISH ISLANDS.	Sumburgh Head	29.78	46	E	2	T	29.71	-26	44	44	-	SSE	1	T	4	49	42	0.03	
	Stornoway ..	29.65	52	E	3	0	29.62	-10	51	51	+2	2	0	T	2	57	46	0.02	
	Wick ...	29.68	48	SE	2	m	29.67	-15	48	47	+1	SE	3	f	2	60	43	-	
	Nairn ...	29.66	53	E	3	0	29.66	-11	50	49	+1	2	0	m	1	61	45	-	
	Aberdeen...	29.76	55	SSE	1	b	29.71	-12	51	50	+6	SSE	1	0	1	59	45	-	
	Leith ...	29.71	50	E	3	c	29.69	-10	51	51	+4	NE	1	omp	*	53	45	0.06	
	Shields ...	29.73	48	SE	2	0d	29.70	-08	54	52	+8	ESE	1	m	2	54	44	0.11	
	Spurn Head ...	29.78	53	SE	2	c	29.77	-06	55	53	+7	SE	2	bc	2	58	47	0.06	
	York ...	29.76	59	S	1	0	29.74	-08	58	55	+10	SSE	2	0	*	65	47	0.10	
	Loughborough	29.77	62	SW	1	0	29.73	-09	57	55	+5	SSE	3	0	*	67	51	0.02	
GERMANY.	Ardrossan ...	29.66	53	NNE	1	0	29.63	-10	55	54	+6	ESE	1	om	1	55	48	0.20	
	Malin Head ...	29.60	52	SE	2	0	29.54	-08	49	49	0	SE	3	of	2	55	49	0.17	
	Mullaghmore ...	29.57	59	SE	1	0	29.50	-09	56	55	+4	E	1	op	1	60	51	0.34	
	Belmullet ...	29.55	57	ESE	2	T	29.50	-07	57	56	+5	NW	1	0	*	60	52	0.13	
	Donaghadee ...	29.65	55	SSW	3	0	29.60	-09	50	50	+2	SE	3	T	2	55	48	0.30	
	Barrow-in-Furness	29.71	56	S	2	0	29.65	-12	55	54	+3	SE	5	0	*	60	51	0.01	
	Liverpool (Bidston)	29.73	60	WSW	1	c	29.64	-12	55	53	-2	ESE	3	0	3	63	52	0.07	
	Holyhead ...	29.71	55	SSW	4	cm	29.59	-13	55	54	0	SSE	4	T	4	57	52	0.22	
	Parsonstown ...	29.59	58	SSE	2	T	29.50	-14	57	56	+3	2	0	0	*	62	53	0.12	
	Valencia ...	29.42	56	ESE	6	rm	29.45	-17	59	56	+3	N	1	bev	2	59	52	0.31	
FRANCE & NETHERLANDS.	Roche's Point...	29.52	52	SSE	6	T	29.45	-20	55	54	+1	SE	4	f	4	56	52	0.52	
	Pembroke ...	29.71	53	S	4	T	29.54	-19	53	53	+1	SE	4	rgm	3	57	51	0.38	
	Scilly ...	29.62	55	SSE	6	T	29.44	-23	55	55	-6	SSE	6	0	6	61	53	0.85	
	Prawle Point ...	29.81	55	SSW	3	T	29.62	-23	53	53	0	SSE	4	p	4	57	50	0.18	
	Jersey ...	29.86	58	SE	1	og	29.71	-17	57	56	+1	SSE	4	og	3	65	55	0.09	
	Hurst Castle ...	29.85	56	SSW	3	c	29.72	-14	55	55	-1	S	3	cdm	1	60	52	0.11	
	Dungeness ...	29.85	55	SSW	3	c	29.78	-08	56	54	+5	S	2	c	1	60	51	0.03	
	London ...	29.82	63	S	3	c	29.78	-08	60	57	+6	SSE	2	0	*	68	54	0.03	
	Oxford ...	29.81	57	S	2	c	29.73	-10	57	55	+1	SSE	2	0	*	66	52	0.02	
	Cambridge ...	29.79	67	SW	1	c	29.76	-08	63	58	+7	S	1	0	*	72	52	-	
PENIN- SULA.	Yarmouth ...	29.83	56	SSE	3	b	29.82	-03	54	53	-2	SSW	1	c	3	57	51	0.01	
	Cuxhaven ...	29.96	53	SE	3	T	29.98	+03	53	52	-1	SE	2	f	*	54	50	0.10	
	Berlin ...	29.91	53	ESE	2	T	30.00	+03	55	51	-2	NW	3	0	*	61	52	0.20	
	Wiesbaden ...	*	*	*	*	*	29.95	+04	63	57	-2	2	0	bc	*	75	54	-	
	Munich ...	30.04	57	SW	1	bc	30.04	+06	64	57	-3	SE	1	bc	*	68	48	0.06	
	The Helder ...	29.88	56	E	1	b	29.87	+02	58	56	+4	SE	1	0	1	61	54	-	
	Brussels ...	*	*	*	*	*	29.86	-03	65	59	+9	S	1	0	*	72	?	0.04	
	Cape Gris Nez...	29.88	59	SW	1	c	29.75	-11	61	58	+8	SSE	3	c	1	64	?	0.04	
	Paris ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Brest ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PENIN- SULA.	Lorient ...	29.89	60	E	5	0	29.72	-20	59	57	+1	S	7	T	5	63	57	0.28	
	Rochefort ...	29.98	62	NW	4	0	29.80	-23	63	61	0	S	3	bc	2	75	55	-	
	Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lyons ...	29.90	77	S	1	b	29.90	-13	67	62	+4	SSE	3	b	*	81	58	-	
	Nice ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Perpignan ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Biarritz ...	29.86	69	NE	4	b	29.79	-23	74	63	+10	WSW	5	b	2	77	61	-	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	30.06	63	WSW	5	b	30.06	-03	63	62	0	SSW	5	T	?	70	61	0.28	

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, 8th June.

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;
→ = force to 7; → = forces 1 to 4;
○ = dead calm

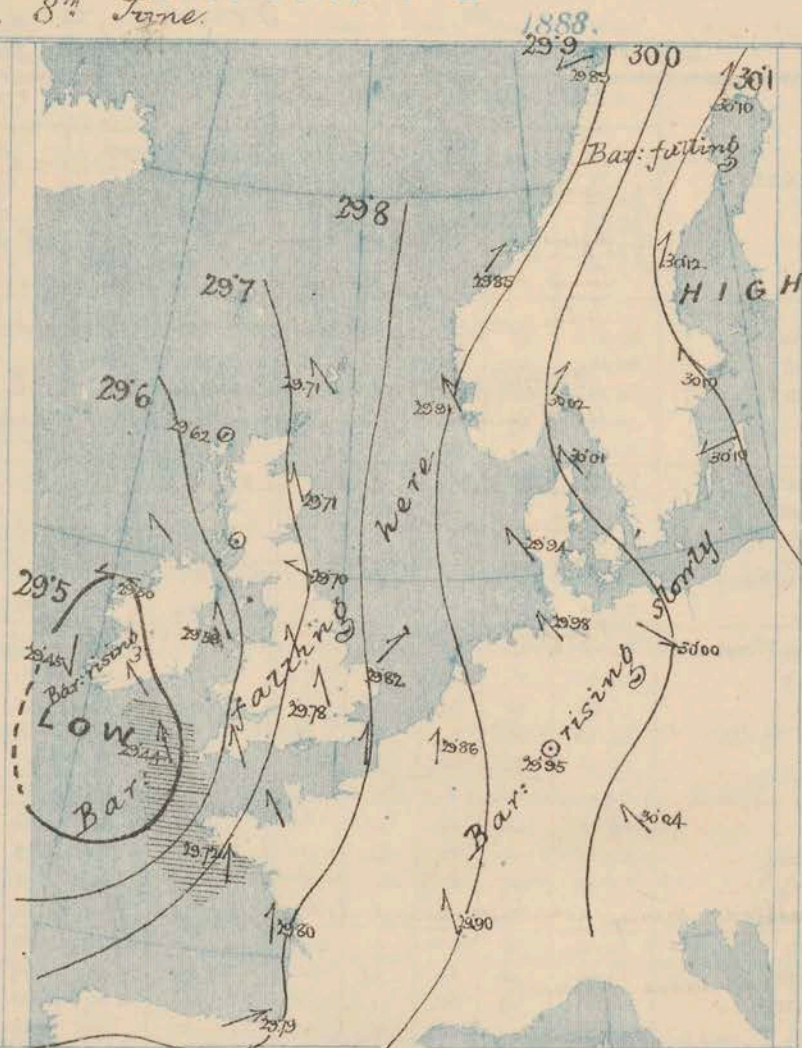
Sea Disturbance—where considerable is shown thus.

— Rough. — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shir	29.928
Yor.	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.964
Cambridge	29.967
Yarmouth	29.963



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.

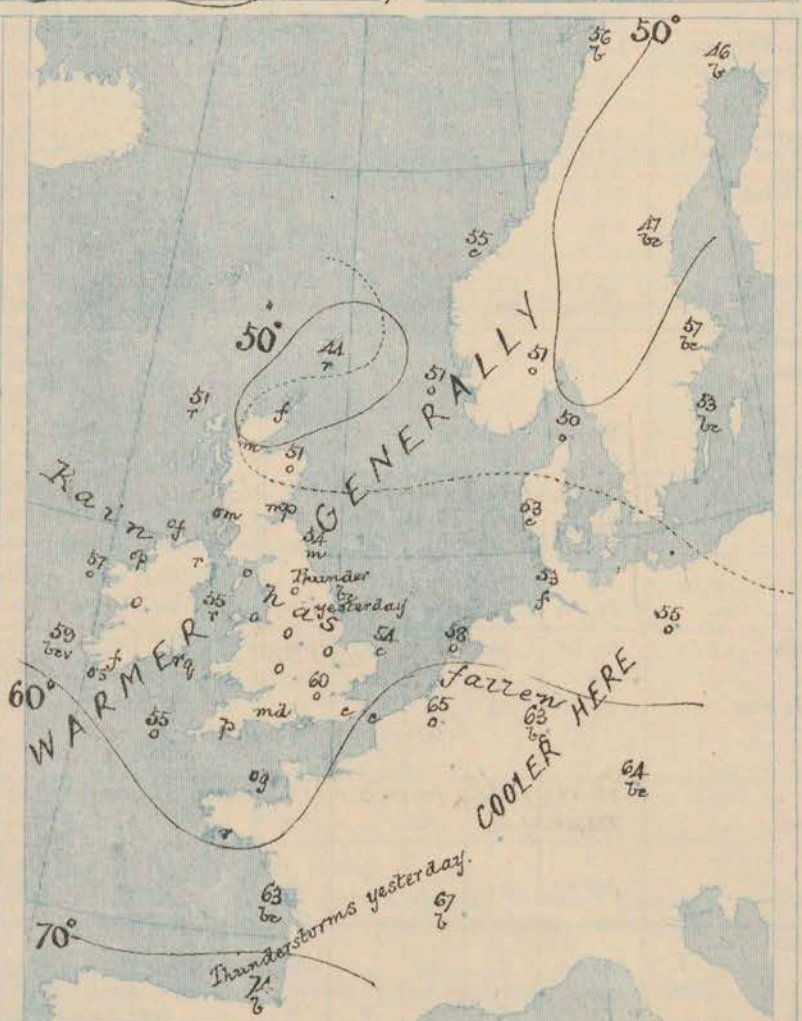
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of June.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	46.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.76
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	56.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	66.2	48.3	56.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.62
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.6	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.96
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.8	3.26
Pembroke	60.3	51.4	55.0	52.9	2.09
Scilly	61.1	53.0	57.2	56.0	1.94
Jersey	64.8	52.6	58.7	55.9	1.83
Hurst Castle	68.9	51.9	57.6	55.4	2.07
Dover	63.8	53.1	58.6	55.1	1.72
LONDON	69.3	50.6	69.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.40
Yarmouth	62.2	51.4	56.9	54.1	2.02

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, 30.0 ins. to 30.1 ins. over Sweden— and also over the southwestern parts of Spain.
 Lowest, About 29.4 ins. in a depression lying off the south of Ireland.
 Gradients moderate in the west, slight elsewhere. Barometer falling rapidly over Germany and the west of Ireland.

TEMPERATURE

Highest, 74° at Biarritz, 67° at Lyons, 65° at Brussels, 64° at Munich and 60° in London.
 Lowest, 44° at Lumburgh Head, 46° at Haparanda, 47° at Hango.
 It has risen decidedly over England and the Netherlands since yesterday.

WIND

S^W or SE^W in almost all parts of Western Europe—light at the eastern station, moderate to strong in the west and southwest.
 At Valencia and Algiers it has shifted to N—very light.

WEATHER

Fine in Scotland, Sweden, South Germany, and the southeast of France.
 Dull and unsettled elsewhere, with rain in several places.
 Rain has fallen generally—most in the west and southwest; thunder has occurred in some localities.

SEA

Rough at the mouth of the Channel, moderate at Valencia, Holyhead, Lumburgh Head and Skudesnäs; light or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Unsettled rainy weather seems likely to prevail very generally during the ensuing twenty-four hours, with thunder in some places.

FORECASTS

For the 24 hours ending at NOON on 9th June 1883.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SE ^W and Varying light winds; dull, close, rain at times.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as No 0 to 2
5	ENGLAND SOUTH	SE ^W winds, moderate; dull, close, rainy.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	SE ^W winds, moderate, to E ^W light; rain at times.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as No 5
9	IRELAND NORTH	Varying light breezes, rainy, colder.
10	IRELAND SOUTH	
WARNINGS		NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	29.97	55	27	ESE 4	7	3	Holyhead ...	29.72	54	53	SSW 4	om	4
Sumburgh Head	29.84	47	46	E 3	7	4	Valencia ...	29.52	56	55	SSE 6	rm	6
Stornoway ...	29.67	56	54	E 3	60	2	Scilly ...	29.72	57	56	S 6	r	4
Aberdeen ...	29.75	50	48	SE 1	0	1	Jersey ...	29.88	62	59	SSE 2	0	2
Shields ...	29.76	51	49	ESE 3	C	3	Dungeness ...	29.87	57	55	SW 2	0	1
Ardrossan ...	29.68	55	49	NE 1	7	1	London ...	29.84	66	57	SSW 2	bl	*
Malin Head ...	29.62	52	51	E 2	0	1	Yarmouth ...	29.86	55	54	S	csp	3
Mullaghmore ...	29.59	58	55	SW 2	0	2	Rochefort ...	30.04	72	64	WNW 4	b	2
Belmullet ...	29.58	57	54	SSW 2	0	*							

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 (fuzzy); 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, 9th June 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 ..	30.02	45	S	2	bc	30.02	- 08	47	43	+ 1	S	4	0	*	55	37	.	
	Hernösand ...	30.03	46	S	2	c	30.01	- 11	55	49	+ 8	SSW	2	0	*	59	34	.	
	Stockholm ...	30.05	49	Z	0	0	30.06	- 04	55	49	- 2	Z	0	0	*	68	41	.	
	Wisby ...	29.97	50	S	4	0	30.04	- 06	55	50	+ 2	ESE	2	0	*	61	39	.	
	Bodö ...	29.88	53	Z	0	c	29.91	+ 02	50	46	- 6	SE	1	0	1	56	59	.	
	Christiansund...	29.90	51	NW	1	c	29.87	+ 02	54	50	- 1	W	1	bc	0	59	48	.	
	Skudesnaes ...	29.91	50	SSW	4	0	29.84	- 07	54	48	+ 3	ESE	4	0	3	52	50	.	
	Christiania Fjord (Færder)	30.02	54	WSW	2	b	29.99	- 03	51	47	0	N	4	0	1	54	50	.	
	Skagen (The Scaw)	30.00	52	Z	0	b	29.95	- 06	54	51	+ 4	E	1	0	2	61	48	.	
	Fanö ...	29.90	53	ESE	5	c	29.77	- 17	54	52	+ 1	E	5	0	*	64	50	0.04	
BRITISH ISLANDS.	Sumburgh Head	29.71	46	SSW	1	ym	29.65	- 06	47	47	+ 3	SSW	1	T	3	48	44	0.41	
	Stornoway ..	29.64	52	S	1	T	29.60	- 02	52	51	+ 1	Z	0	0	2	57	46	0.10	
	Wick ...	29.67	49	S	1	T	29.57	- 10	50	50	+ 2	S	1	f	1	52	46	0.20	
	Nairn ...	29.63	50	Z	0	T	29.57	- 09	53	52	+ 3	Z	0	om	1	53	49	0.11	
	Aberdeen...	29.68	51	SE	1	d	29.60	- 11	49	49	- 2	Z	0	of	1	62	48	0.40	
	Leith ...	29.62	54	NE	1	T	29.58	- 11	52	52	+ 1	E	1	om	*	55	48	0.27	
	Shields ...	29.65	51	SE	2	T	29.56	- 14	51	50	- 3	N	1	0	2	58	48	0.09	
	Spurn Head ...	29.68	52	SE	4	c	29.57	- 20	55	54	0	ESE	1	bcw	3	56	51	0.20	
	York ...	29.66	60	S	1	0	29.57	- 17	58	57	0	SE	1	0	*	68	54	0.10	
	Loughborough	29.64	61	ESE	1	T	29.57	- 16	59	57	+ 2	SE	1	0	*	63	54	0.14	
GERMANY.	Ardrossan ...	29.59	57	ESE	1	om	29.58	- 05	52	52	- 3	Z	0	of	0	57	48	0.53	
	Malin Head ...	29.56	53	ESE	2	om	29.62	+ 08	51	51	+ 2	W	1	of	0	59	48	.	
	Mullaghmore ...	29.54	57	NW	3	c	29.66	+ 16	51	51	- 5	NW	5	of	3	62	50	.	
	Belmullet ...	29.59	54	N	5	0	29.74	+ 24	50	48	- 7	NW	4	0	*	60	48	.	
	Donaghadee ...	29.59	52	SSW	2	0	29.61	+ 01	55	54	+ 5	NNE	2	b	0	56	50	0.23	
	Barrow-in-Furness	29.59	59	ESE	2	0	29.55	- 10	58	57	+ 3	NNE	1	of	*	60	54	0.11	
	Liverpool (Bidston)	29.59	63	SE	2	bc	29.55	- 09	62	57	+ 7	ESE	1	0	2	65	55	0.08	
	Holyhead ...	29.57	62	S	2	c	29.58	- 01	52	52	- 3	NW	3	m	2	64	50	0.02	
	Parsonstown ...	29.52	61	Z	0	c	29.69	+ 19	53	51	- 4	NW	1	0	*	65	51	0.19	
	Valencia ...	29.57	57	NW	4	em	29.83	+ 38	53	51	- 6	NW	4	om	4	63	51	.	
FRANCE & NETHERLANDS.	Roche's Point...	29.50	56	NNE	2	Tf	29.70	+ 25	54	51	- 1	NW	4	bc	4	58	52	0.20	
	Pembroke ...	29.51	56	ESE	3	bc	29.62	+ 08	53	53	0	NW	3	opm	3	58	51	0.07	
	Scilly ...	29.36	58	SSW	2	T	29.68	+ 24	55	54	0	NW	5	0	6	59	53	0.31	
	Prawle Point ...	29.53	53	SSW	5	m	29.60	- 02	57	57	+ 4	W	4	0	4	58	50	0.16	
	Jersey ...	29.62	61	S	4	cp	29.65	- 06	55	54	- 2	WSW	7	opm	5	65	53	0.34	
	Hurst Castle ...	29.62	59	SSW	4	cp	29.51	- 21	54	54	- 1	W	3	om	2	60	53	0.24	
	Dungeness ...	29.66	56	SE	3	T	29.62	- 16	55	53	- 1	SW	5	0	3	59	52	0.20	
	London ...	29.65	62	S	2	bc	29.59	- 19	55	54	- 5	S	1	T	*	66	54	0.05	
	Oxford ...	29.61	60	SE	2	bc	29.56	- 17	55	53	- 2	SE	1	op	*	62	54	0.11	
	Cambridge ...	29.65	64	SSW	1	bc	29.58	- 18	59	56	- 4	S	1	0	*	69	52	.	
PENINSULA.	Yarmouth ...	29.74	56	SSW	1	T	29.62	- 20	57	55	+ 3	S	4	bc	3	57	53	0.04	
	Cuxhaven ...	29.95	53	E	3	c	29.81	- 17	58	56	+ 5	SSW	2	bc	*	60	53	0.10	
	Berlin ...	29.92	66	Z	0	bc	29.87	- 13	64	59	+ 9	SE	0	0	*	72	54	.	
	Wiesbaden ...	*	*	*	*	*	29.86	- 09	66	62	+ 3	SW	3	0	*	77	61	0.32	
	Munich ...	29.91	65	E	1	b	29.96	- 08	61	60	- 3	SW	3	0	*	75	57	0.24	
	The Helder ...	29.76	65	E	1	0	29.68	- 19	60	58	+ 2	SSW	4	b	3	66	57	0.04	
	Brussels ...	*	*	*	*	*	29.76	- 10	61	56	- 4	SSW	4	bc	*	78	58	0.28	
	Cape Gris Nez...	29.69	65	NE	3	c	29.65	- 10	58	56	- 3	SW	5	0	4	72	55	0.12	
	Paris ...	29.76	65	WSW	4	0	29.81	- 04	60	56	- 6	SW	5	bc	*	80	55	0.04	
	Brest ...	29.60	56	SW	8	T	?	?	55	52	- 3	NW	7	0	6	61	59	0.24	

WEATHER CHARTS

for 8 a.m. on

Saturday, 9th June.

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.

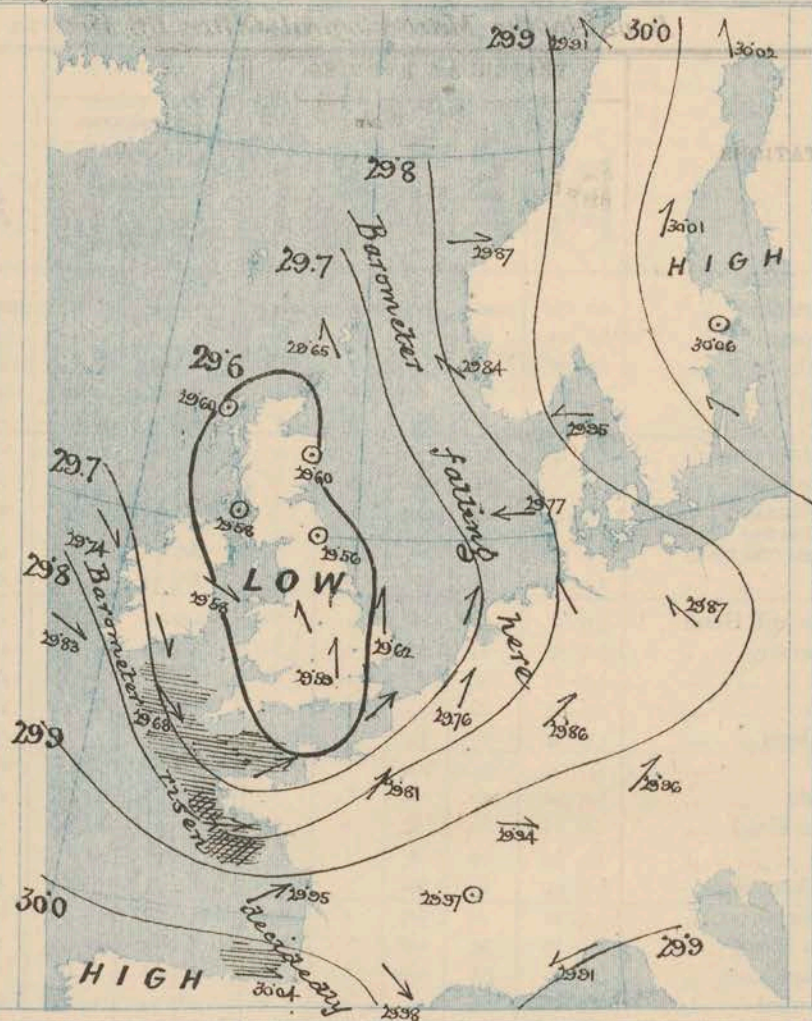
▨ = Rough. ▨ = High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871-1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shields	29.928
York	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.964
Cambridge	29.967
Yarmouth	29.963



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 June.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.8	48.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.76
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	56.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	66.2	48.3	56.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.62
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.6	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.06
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	3.26
Pembroke	60.3	51.4	55.0	52.9	2.09
Scilly	61.1	53.0	57.2	55.0	1.94
Jersey	64.8	52.6	58.7	55.9	1.83
Hurst Castle	63.9	51.9	57.6	55.4	2.07
Dover	63.3	53.1	58.6	55.1	1.72
LONDON	69.3	50.6	59.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.46
Yarmouth	62.2	51.4	56.9	54.1	2.02

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, { 30.0 ins. to 30.1 ins. over Spain and the extreme southwest of France; 30.0 ins. and more over Sweden — 29.8 ins. and more in Ireland. Lowest, 29.6 ins. and less, over nearly the whole of Great Britain. Gradient rather steep in the south, moderate or slight elsewhere. Barometer rising in west and south.
TEMPERATURE	Highest, 68° at Nice, 66° at Nisabades, 64° at Berlin and Perpignan, and 62° at Liverpool. Lowest, 47° at Haparanda and Lumburghs Head, 49° at Aberdeen, 50° at Kirk and Helmslet. It has decreased somewhat in most places since yesterday and is low for the time of year.
WIND	Moderate from NW in Ireland — Moderate gale from W. in the west of France and at the mouth of the Channel. Moderate from S. and SE. over the North Sea. Calms and variable airs prevail in Scotland and the north of England.
WEATHER	Fine at some of the Continent, ^(partially) dull elsewhere, with rain in several places. Much fog is reported in the north and northwest. Rain has fallen generally; thunderstorms have occurred in the south and southeast.
SEA	Rough in the southwest, slight or smooth elsewhere.


PROBABLE CHANGES IN SYSTEM NOW PREVALENT


Unsettled showery weather is still probable in most places, with lower temperature generally.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	{ Varying light breezes; wet, misty, then finer	6 { SCOTLAND WEST	{ NW ² and W ² winds, unsettled, some rain, colder.
1 { SCOTLAND EAST		7 { ENGLAND N. W.	
2 { ENGLAND N. E.	SE ² airs; rainy, unsettled.	8 { ENGLAND S. W.	
3 { ENGLAND EAST	Same as No 5	9 { IRELAND NORTH	
4 { MIDLAND COUNTIES	Variable and N ² airs; rainy, changeable, becoming colder.	10 { IRELAND SOUTH	
5 { ENGLAND SOUTH	W ² winds, strong; rainy, colder.	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 ...	29.92	50	48	SSE 6	0	4	Holyhead ...	29.59	60	58	SSE 4	c	4
Sumburgh Head ...	29.72	47	47	SSE 1	0	3	Valencia ...	29.49	60	58	NNW 3	c	3
Stornoway ...	29.64	55	55	S 1	r	2	Scilly ...	29.40	57	55	SE 6	r	6
Aberdeen ...	29.70	55	52	SSE 1	c	1	Jersey ...	29.65	62	60	SE 3	b	3
Shields ...	29.67	55	53	SE 3	0	2	Dungeness ...	29.73	57	56	S 3	r	1
Ardrossan ...	29.61	57	55	Z 0	r	0	London ...	29.71	65	59	SSE 3	o p a	*
Malin Head ...	29.55	53	52	SE 2	0	1	Yarmouth ...	29.77	57	55	SSE 4	bc	3
Mullaghmore ...	29.53	58	56	NNW 2	c	1	Rochefort ...	30.29	67	62	W 5	0	2
Belmullet ...	29.55	57	56	NNE 4	bc	*							

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

Yesterday morning's reports showed that pressure varied from 30 ins. and more over nearly the whole of Europe, and from 30.1 ins. and more over Finland to about 29.4 ins. in a depression the deepest portion of which lay off the south of Ireland. Varying S⁴ (SW to SE) winds consequently prevailed over the British Isles and Western Europe except in the extreme west of Ireland, where the wind had fallen light and veered to the Nnd. The weather was fine in the north, changeable and cloudy elsewhere, with showers in many places. Thunderstorms had been very prevalent at the German and French stations on the previous night. Temperature varied from between 68° and 78° over the Mediterranean to about 50° in Scotland and to nearly the freezing point on the shores of the White Sea. The highest individual values were 81° at Brest (Algiers), Cagliari and Trieste, 78° at Bilbao and Barcelona, 76° at Besancon and Palermo, 75° at Brindisi and Biarritz, 73° at Naples and Leghorn; the lowest were 33° at Archangel, 39° at Uleaborg, 40° at Moscow, 44° at Sumburgh Head, and 48° at Niek.

During the day the depression in the westward, and the weather became still more showery ^{and} in Ireland, where the wind became Nnd and rainfall decreased.

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 10th June 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.)			Bar.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	30.03	46	S	2	b	30.05	+ .03	53	46	+ 6	S	2	b	*	57	44	—	
	Hernösand ...	30.02	50	Z	0	b	29.99	— .02	50	45	— 5	NE	2	b	*	61	39	—	
	Stockholm ...	30.02	51	Z	0	b	29.89	— .17	60	51	+ 5	E	2	b	*	66	45	—	
	Wisby ...	29.97	53	?	2	b	29.88	— .16	65	55	+ 10	ESE	4	b	*	70	48	—	
	Bodö ...	29.90	54	SE	2	o	29.75	— .16	62	51	+ 12	ESE	5	b	3	72	45	—	
	Christiansund...	29.71	58	NNE	2	b	29.60	— .27	61	53	+ 7	ESE	3	c	1	61	50	—	
	Skudesnaes ...	29.69	57	SE	6	c	29.57	— .12	53	50	— 1	SE	4	c	3	55	52	—	
	Christiania Fjord (Færdar)	29.84	59	NNE	2	o	29.69	— .30	54	53	+ 3	E	4	r	2	59	54	0.12	
	Skagen (The Scaw)	29.80	54	E	1	o	29.64	— .31	52	52	— 2	S	2	o	2	61	52	0.51	
	Fanö ...	29.73	59	S.	1	r	29.66	— .11	55	55	+ 1	SW	2	c	*	63	54	0.62	
BRITISH ISLANDS.	Sumburgh Head	29.54	46	SSE	2	r	29.43	— .22	48	48	+ 1	W	2	a	3	45	44	0.87	
	Stornoway ...	29.55	50	Z	0	r	29.51	— .09	49	48	— 3	NW	6	r	5	57	44	0.23	
	Wick ...	29.48	50	Z	0	f	29.44	— .13	52	50	+ 2	W	7	c	3	57	48	0.30	
	Nairn ...	29.49	50	Z	0	c	29.53	— .04	50	47	— 3	WSW	4	o	3	60	45	0.17	
	Aberdeen...	29.52	53	Z	0	c	29.60	— .08	55	49	+ 6	WNW	4	c	2	55	46	0.04	
	Leith ...	29.54	58	SW	1	c	29.73	+ .15	54	47	+ 2	W	5	c	*	61	46	0.05	
	Shields ...	29.54	54	W	1	o	29.81	+ .25	52	47	+ 1	WSW	4	c	2	59	46	0.03	
	Spurn Head ...	29.58	58	Z	0	b	29.91	+ .34	53	49	— 2	WNW	4	b	2	59	50	0.29	
	York ...	29.58	59	WSW	1	o	29.90	+ .33	53	47	— 5	WSW	4	c	*	66	47	0.13	
	Loughborough	29.66	58	WNW	4	a	29.98	+ .41	55	49	— 4	WNW	4	c	*	67	50	0.07	
GERMANY.	Ardrossan ...	29.62	51	NW	3	o	29.87	+ .29	53	48	+ 1	NW	5	b	4	59	47	—	
	Malin Head ...	29.66	50	WSW	3	o	29.88	+ .26	50	47	— 1	WNW	5	b	5	53	47	0.01	
	Mullaghmore ...	29.72	52	WSW	4	o	29.99	+ .33	53	49	+ 2	W	5	b	4	55	47	0.01	
	Belmullet ...	29.78	53	NW	5	b	30.03	+ .29	53	48	+ 3	WNW	3	b	*	60	48	0.02	
	Donaghadee ...	29.69	53	NW	2	o	29.95	+ .34	54	49	— 1	W	4	c	2	60	50	0.01	
	Barrow-in-Furness	29.63	55	NW	3	o	29.98	+ .38	52	47	— 6	NW	5	b	*	63	48	—	
	Liverpool (Bidston)	29.70	51	W	1	o	29.98	+ .33	51	46	— 11	W	5	7	5	62	47	0.04	
	Holyhead ...	29.74	52	Z	0	a	30.02	+ .44	55	50	+ 3	WSW	4	b	3	59	46	0.17	
	Parsonstown ...	29.79	55	SW	1	o	30.07	+ .38	54	49	+ 1	W	1	b	*	58	42	—	
	Valencia ...	29.87	55	WSW	5	o	30.13	+ .30	55	49	+ 2	W	2	c	1	58	45	0.01	
FRANCE & NETHERLANDS.	Roche's Point...	29.87	57	WNW	5	c	30.11	+ .41	53	50	— 1	WNW	2	b	3	60	48	—	
	Pembroke ...	29.87	54	W	3	c	30.10	+ .48	51	48	— 2	NW	2	b	2	55	48	0.03	
	Scilly ...	29.93	55	W	6	c	30.09	+ .41	55	51	— 0	N	4	c	4	57	51	0.02	
	Prawle Point ...	29.86	56	W	5	b	30.07	+ .47	58	57	+ 1	NW	3	b	2	61	48	—	
	Jersey ...	29.90	56	W	6	o	30.14	+ .49	55	54	— 0	WSW	5	c	4	57	50	0.01	
	Hurst Castle ...	29.78	60	WNW	5	c	30.05	+ .54	56	53	+ 2	WSW	6	c	4	65	33	0.02	
	Dungeness ...	29.67	54	WSW	6	c	29.99	+ .37	55	53	— 0	WNW	4	o	4	57	52	0.09	
	London ...	29.69	61	W	2	c	30.01	+ .42	55	53	— 0	NW	2	c	*	65	50	0.24	
	Oxford ...	29.77	58	W	4	b	30.01	+ .45	55	50	— 0	NW	3	b	*	65	50	0.09	
	Cambridge ...	29.64	62	SW	1	o	30.01	+ .43	57	56	— 2	NW	1	c	*	68	50	—	
GERMANY.	Yarmouth ...	29.61	57	S	2	b	29.92	+ .30	58	54	+ 1	WNW	4	b	2	61	50	0.01	
	Cuxhaven ...	29.79	60	SSW	2	o	29.79	— .02	60	58	+ 2	SSW	5	o	*	64	57	—	
	Berlin ...	29.79	67	SSW	1	o	29.86	— .01	65	58	+ 1	W	5	b	*	77	59	0.08	
	Wiesbaden ...	*	*	*	*	*	30.03	+ .17	63	57	— 3	SW	3	o	*	70	51	0.04	
	Munich ...	29.99	59	SW	4	o	30.09	+ .13	60	56	— 1	W	4	o	*	75	55	0.59	
	The Helder ...	29.69	54	SW	1	o	29.87	+ .19	54	51	— 6	WSW	4	o	3	68	54	0.08	
	Brussels ...	*	*	*	*	*	30.02	+ .26	56	54	— 5	WSW	3	o	*	69	55	0.08	
	Cape Gris Nez...	29.88	62	SW	5	o	30.12	+ .31	55	50	— 5	W	3	o	*	?	?	—	
	Paris ...	30.02	56	WNW	5	o	30.17	?	53	57	— 0	W	4	o	5	59	54	—	
	Lorient ...	30.01	55	NW	7	o	30.16	+ .40	56	54	— 0	WNW	4	o	3	55	54	—	
FRANCE & NETHERLANDS.	Rochefort ...	30.10	61	W	8	o	30.25	+ .30	58	55	— 4	NNE	4	o	2	66	51	0.04	
	Belfort ...	29.96	67	W	1	c	30.12	+ .18	62	54	+ 1	W	3	c	*	68	51	0.16	
	Lyons ...	29.97	68	WNW	4	b	30.15	+ .18	59	53	— 0	N	4	b	*	74	55	—	
	Nice ...	29.94	59	ENE	9	chl	29.88	— .03	67	61	— 1	W	1	b	1	75	57	0.04	
	Perpignan ...	30.03	67	W	4	o	30.16	+ .48	63	55	— 1	NW	3	c	*	71	57	0.04	
	Biarritz ...	30.15	61	W	7	r	30.23	+ .19	61	54	+ 2	NW	4	o	3	64	57	0.08	
	Corunna ...	*	*	*	*	*	30.27	+ .13	63	59	+ 3	ENE	1	b	4	68	47	—	
	Lisbon ...	30.20	60	NNW	7	b	30.15	— .03	62	55	+ 2	NNW	7	b	4	66	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

Sunday, 10th June

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.

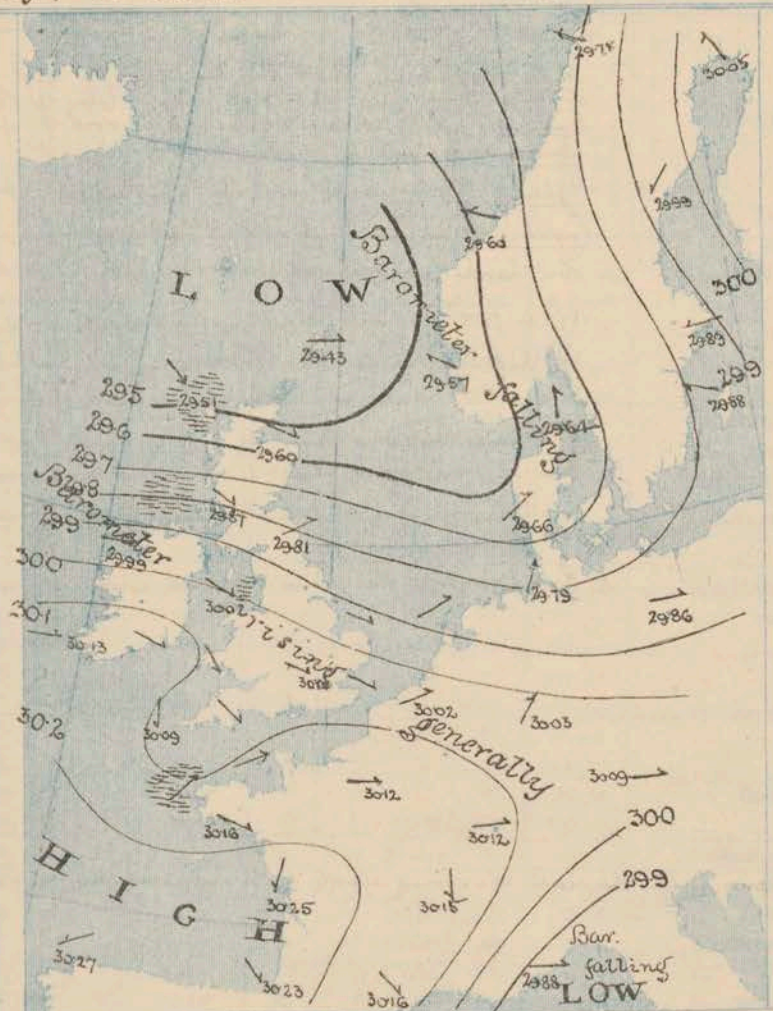
— Rough — High

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871-1885.

STATIONS.	MEAN READINGS
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shields	29.928
York	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.952
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.964
Cambridge	29.907
Yarmouth	29.938



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.

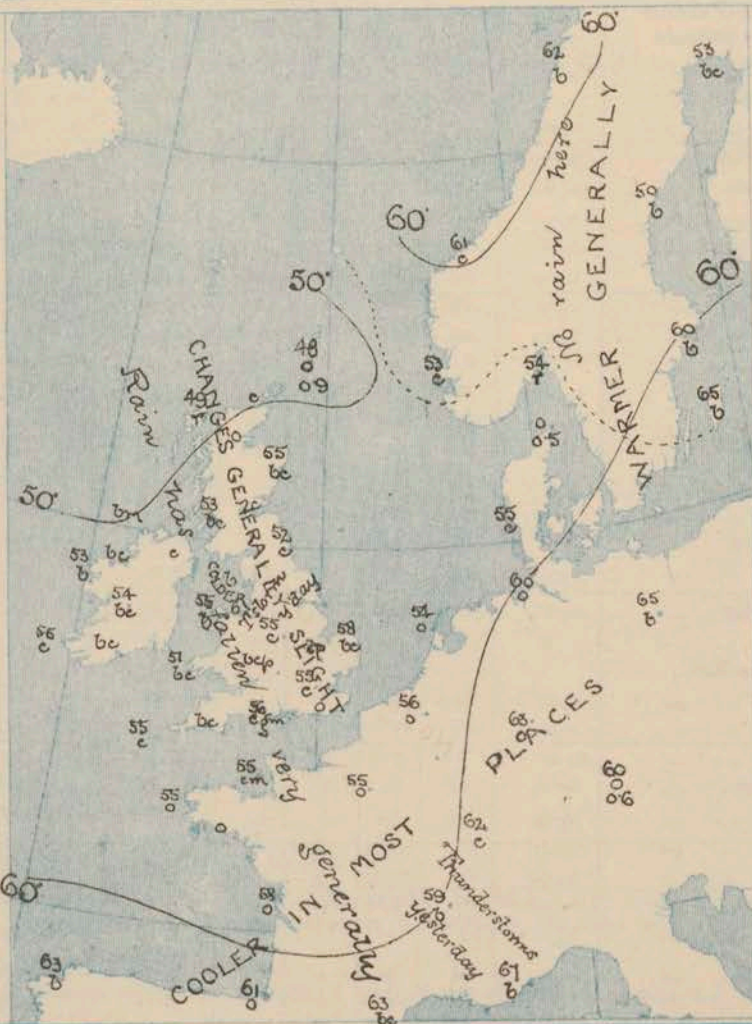
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of June.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	46.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.76
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	56.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	66.2	48.3	56.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.62
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.6	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.96
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	3.26
Pembroke	60.3	51.4	55.0	52.9	2.09
Scilly	61.1	53.0	57.2	55.0	1.04
Jersey	64.8	52.0	58.7	55.9	1.58
Hurst Castle	68.9	51.9	57.6	55.4	2.07
Dover	63.3	53.1	58.6	55.1	1.72
LONDON	69.3	50.6	59.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.46
Yarmouth	62.2	51.4	56.9	54.1	2.02

NOTE — The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 26 years 1866-95



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins. and more over Spain and the southwest of France - 30.0 ins. and more over the northern part of the Gulf of Bothnia.
Lowest, 29.5 ins. and less, in a depression lying off the north of Scotland.
Gradients rather steep over Scotland and the north-east of England, moderate to slight elsewhere.
Barometer falling over Scandinavia, rising in the British Isles, France and Spain.

TEMPERATURE

Highest, 67° at Nice, 65° at Berlin and Nisby, 63° at Minsk and Leipzig, 62° at Belfort and Bodo, and 55° at Howa Point.
Lowest, 48° at Sumburgh Head, 49° at Stromway, 50° at Kain and Malin Head.

The changes since yesterday have been slight except in some part of Sweden and Norway, where a great rise has taken place.

WIND

W^{ly} to NW^{ly} over our islands, strong in the north and moderate in the south.

W^{ly} and SW^{ly}, moderate over Germany and the north of France.

S and SE, moderate, on the eastern shores of the North Sea.

WEATHER

Dull and somewhat rainy in Norway, the north of Scotland and at some southeastern stations.

Fair in most other places. Thunderstorms are in progress at Cambridge, and thunderstorms occurred yesterday in several places - especially over France and England.

SEA

Rather rough in the extreme north and northwest, moderate in the west and south, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north is moving slowly to the northeastward, so that an improvement in the weather is probable over Great Britain.

FORECASTS

For the 24 hours ending at NOON on 11th June 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 ...	29.70	55	50	ESE 4	r	4	Holyhead ...	29.60	58	56	WNW 3	c	2
Sumburgh Head ...	29.60	46	46	SSE 3	r	4	Valencia ...	29.87	58	55	SW 4	o	4
Stornoway ...	29.54	57	56	E 2	c	2	Scilly ...	29.87	55	52	WNW 6	o	6
Aberdeen ...	29.55	52	51	ESE 1	o	1	Jersey ...	29.81	57	56	W 7	o	5
Shields ...	29.57	57	55	E 1	o	2	Dungeness ...	29.61	54	53	SW 6	o	5
Ardrossan ...	29.57	56	56	NW 2	1	1	London ...	29.60	63	59	WSW 3	c	*
Malin Head ...	29.66	50	50	W 3	o	3	Yarmouth ...	29.63	56	55	S 5	r	4
Mullaghmore ...	29.73	52	50	W 4	c	3	Rochefort ...	30.04	65	59	W 7	c	3
Belmullet ...	29.75	55	51	W 4	o	*							

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

The reports for yesterday showed that pressure varied from ~~between~~ 30.1 ins. to 30.2 ins. over Northern Europe and also over the Spanish Peninsula, but that from those regions it decreased to rather below 29.6 ins. in an elongated depression lying over Great Britain. Thus, while S^W and SE breezes prevailed over the North Sea and Baltic the wind over Germany was SW¹, and over France and the Channel W⁴ and blew strongly at many of the Channel stations. The weather was fine over Eastern and Northern Europe, very showery in France and the British Isles, and thunderstorms had occurred at many of the French and German stations. Temperature varied from between 70° and 80° over the Mediterranean to between 50° and 58° over the British Isles and to between 44° and 50° over Northern Europe. The highest individual values were 82° at ~~Algeria~~ (Algeria), 81° at Cagliari, 80° at Palma, 76° at Brindisi, 75° at Pescara and Legna, 71° at Florence and Rome, 69° at Trieste and 68° at Nice; the lowest were 44° at Moscow, 46° at Archangel, 47° at Khabarovsk and Sumburgh Head, 49° at Aberdeen and 50° at ~~St. Petersburg~~.

Later in the day the depression over Great Britain moved northwards and a decided increase of pressure took place over the British Isles and France, with an improvement in the 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.

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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 Monday, 11th June

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 ..	29.96	SE	0	b	29.93	- 12	59	51	+ 6	SE	0	0	*	68	41	-	
	Hernösand ...	29.91	E	2	c	29.84	- 15	53	49	+ 3	NE	4	0	*	64	39	-	
	Stockholm ...	29.82	SE	2	0	29.80	- 09	54	48	- 6	WSW	4	bc	*	68	43	-	
	Wishby ...	29.80	SE	4	0	29.90	+ 02	49	46	- 16	SSW	4	b	*	72	?	-	
	Bodö ...	29.76	SE	0	b	29.73	- 02	59	53	- 3	E	4	c	2	66	43	-	
	Christiansund...	29.48	SE	0	0	29.64	+ 04	49	48	- 12	WSW	4	r	2	61	46	0.08	
	Skudesnaes ...	29.65	S	4	c	29.81	+ 24	47	46	- 6	WNW	6	r	4	?	48	0.24	
	Christiania Fjord (Farder)	29.61	SW	5	0	29.68	- 01	51	50	- 3	WSW	5	m	5	54	48	0.47	
	Skagen (The Scaw)	29.79	W	2	b	29.81	+ 17	49	47	- 3	W	6	c	4	57	45	0.47	
	Fanö ...	29.96	WSW	5	b	30.05	+ 39	57	51	+ 2	W	4	b	*	57	48	-	
BRITISH ISLANDS.	Sumburgh Head	29.55	W	3	0	29.84	+ 41	48	46	0	WNW	3	b	3	53	46	0.15	
	Stornoway ..	29.86	NW	6	bc	29.83	+ 32	50	49	+ 1	SW	6	0	5	53	41	0.06	
	Wick ...	29.69	NW	8	c	29.90	+ 46	53	49	+ 1	SW	3	b	2	55	40	0.03	
	Nairn ...	29.88	W	4	c	29.91	+ 38	55	50	+ 5	SW	1	b	1	57	42	-	
	Aberdeen...	29.80	W	6	bc	29.96	+ 36	56	48	+ 1	SW	4	b	2	60	40	-	
	Leith ...	29.96	W	4	b	30.00	+ 27	58	52	+ 4	NE	1	bc	*	60	44	-	
	Shields ...	29.96	WSW	6	b	30.01	+ 29	59	54	+ 7	SSW	2	c	2	60	49	-	
	Spurn Head ...	30.04	WNW	4	bc	30.10	+ 19	55	52	+ 2	SSW	2	bcw	2	59	50	-	
	York ...	30.05	W	3	b	30.04	+ 14	54	49	+ 1	S	1	c	*	60	46	-	
	Loughborough	30.10	NW	3	c	30.11	+ 13	58	52	+ 3	SE	1	c	*	66	44	-	
GERMANY.	Ardrossan ...	30.00	WNW	4	b	29.96	+ 09	58	54	+ 5	W	0	b	0	58	47	-	
	Malin Head ...	30.02	W	3	0	29.81	- 07	51	49	+ 1	S	4	opm	4	56	48	0.01	
	Mullaghmore ...	30.05	WSW	1	c	29.81	- 15	52	50	- 1	SSE	5	r	4	57	50	0.08	
	Belmullet ...	30.03	SW	9	0	29.74	- 29	52	51	- 1	SSE	6	0	*	60	51	0.25	
	Donaghadee ...	30.06	E	9	b	29.96	+ 01	54	51	0	SSW	4	c	2	63	50	0.01	
	Barrow-in-Furness	30.06	SSE	5	b	30.05	+ 12	52	50	0	SE	5	b	*	56	51	-	
	Liverpool (Bidston)	30.10	W	3	bc	30.06	+ 08	56	50	+ 7	SE	1	b	2	59	48	-	
	Holyhead ...	30.11	SSW	4	b	30.04	+ 02	54	51	- 1	S	4	c	4	60	49	-	
	Parsonstown ...	30.09	SE	0	c	29.90	- 17	52	50	- 2	SSE	2	r	*	59	50	0.03	
	Valencia ...	30.11	WSW	4	0	29.83	- 30	57	56	+ 2	S	6	rm	6	58	53	0.35	
FRANCE & NETHERLANDS.	Roche's Point...	30.14	WSW	4	bc	29.92	- 19	55	53	+ 2	S	6	0	4	59	52	-	
	Pembroke ...	30.15	W	2	bc	30.07	- 03	54	53	+ 3	S	3	c	3	55	50	-	
	Scilly ...	30.17	W	1	c	30.08	- 01	57	55	+ 2	S	4	0	4	58	50	-	
	Prawle Point ...	30.16	W	3	c	30.14	+ 07	51	50	- 7	S	2	bc	2	60	45	-	
	Jersey ...	30.19	WNW	3	0	30.17	+ 03	56	54	+ 1	W	3	c	3	60	52	-	
	Hurst Castle ...	30.14	WSW	5	c	30.14	+ 09	55	53	- 1	SW	1	bc	1	63	45	-	
	Dungeness ...	30.09	WNW	4	m	30.10	+ 11	54	52	- 1	W	3	bc	3	59	54	-	
	London ...	30.10	W	2	bc	30.11	+ 10	62	53	+ 7	W	1	c	*	68	46	-	
	Oxford ...	30.14	W	1	bc	30.11	+ 10	55	50	0	SSW	2	bc	*	64	46	-	
	Cambridge ...	30.11	W	1	c	30.10	+ 09	62	54	+ 5	S	1	bc	*	66	44	-	
PENINSULA.	Yarmouth ...	30.07	WNW	2	b	30.12	+ 20	57	52	- 1	NNE	1	b	2	65	52	-	
	Cuxhaven ...	30.05	WNW	5	0	30.14	+ 35	55	53	- 5	N	3	0	*	60	50	-	
	Berlin ...	30.03	WNW	5	bc	30.19	+ 33	54	47	- 11	NW	3	b	*	72	43	-	
	Wiesbaden ...	*	*	*	*	30.21	+ 18	60	56	- 3	N	2	b	*	68	50	-	
	Munich ...	30.18	SW	2	0	30.22	+ 13	61	57	+ 1	W	1	c	*	64	54	0.32	
	The Helder ...	30.13	SW	1	b	30.14	+ 27	56	54	+ 2	SW	1	c	1	63	50	-	
	Brussels ...	*	*	*	*	30.17	+ 15	59	55	+ 3	WSW	1	c	*	66	53	-	
	Cape Gris Nez...	30.08	WSW	4	m	30.12	+ 04	54	53	- 1	SW	4	c	2	57	48	-	
	Paris ...	30.21	WSW	3	0	30.21	+ 09	60	57	+ 5	SW	1	bc	*	65	54	-	
	Brest ...	30.21	SE	0	0	30.19	+ 02	56	55	+ 1	SW	4	0	3	59	54	-	

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, 11th June, 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.

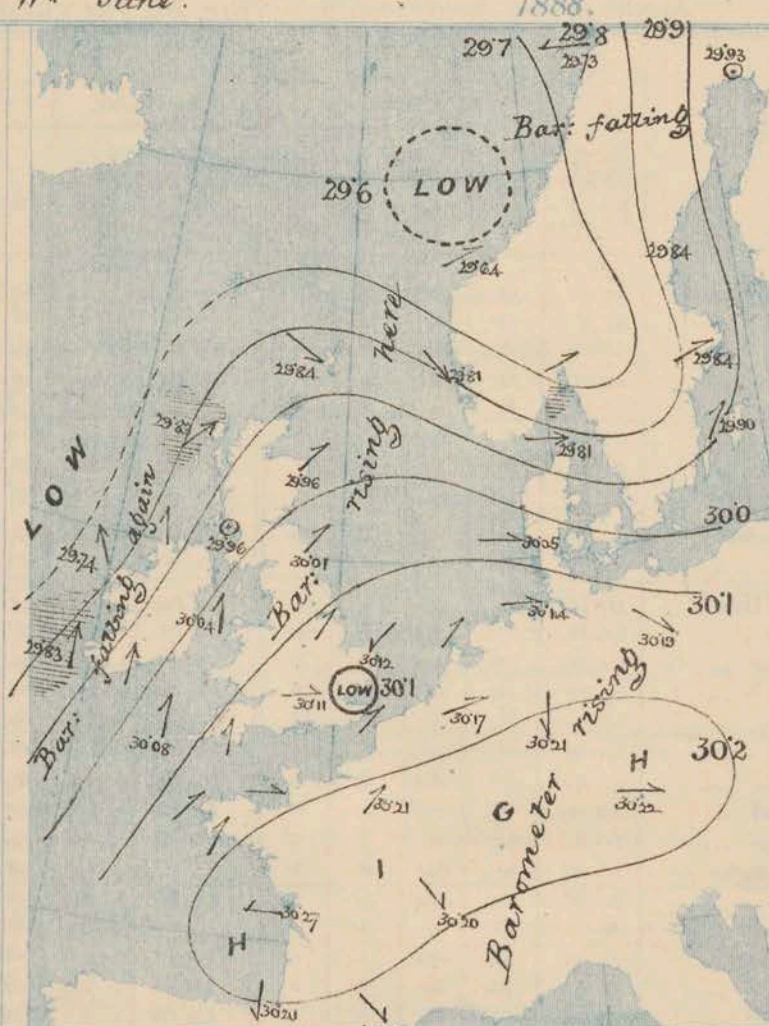
— Rough. — High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shields	29.928
York	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Rocha's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.984
Horn Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.984
Cambridge	29.987
Yarmouth	29.988



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.

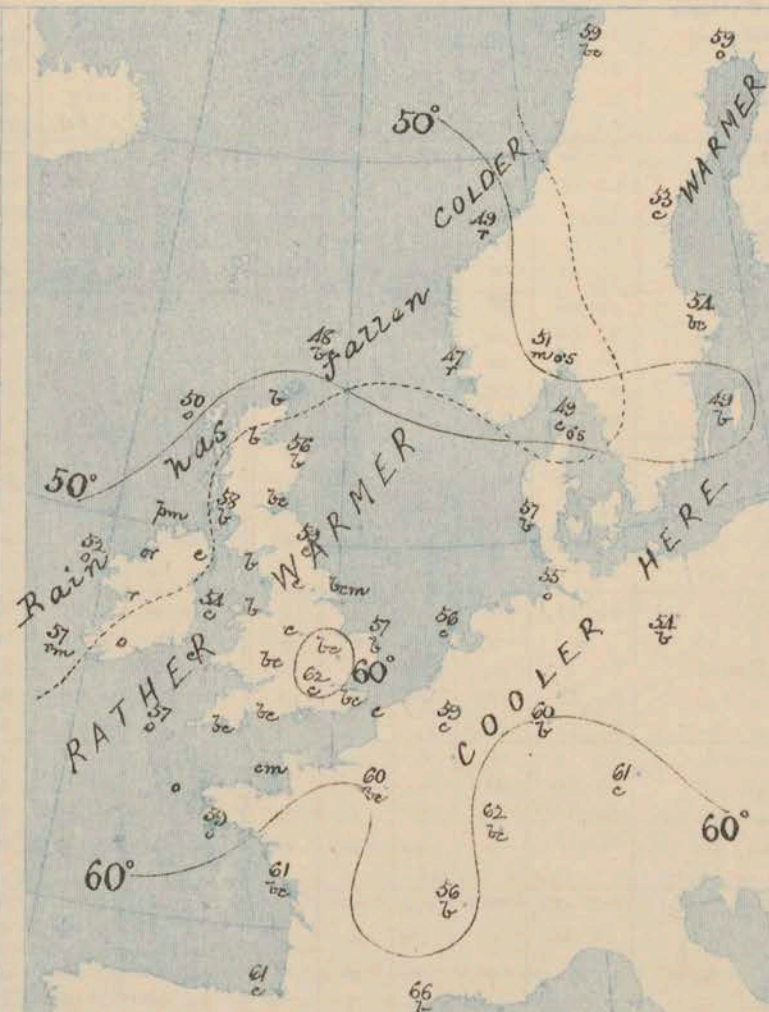
Weather is shown by Letters of the Beaufort Scale.

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 June.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 p.m.	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	48.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.75
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.6	54.7	50.9	1.88
Leith	64.6	48.1	56.0	52.5	1.84
Shields	60.0	49.1	54.0	51.9	1.82
York	66.2	48.3	56.1	52.7	2.45
Loughborough	65.7	49.0	55.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.62
Donaghadee	60.0	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.6	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.90
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	55.8	53.8	3.42
Rocha's Point	64.8	50.8	56.5	53.3	3.26
Pembroke	60.3	51.4	56.0	52.9	2.09
Scilly	61.1	53.0	57.2	55.0	1.94
Jersey	64.8	52.6	58.7	55.9	1.83
Horn Castle	63.9	51.9	57.6	55.4	2.07
Dover	63.3	53.1	58.6	55.1	1.72
LONDON	69.3	50.6	59.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.40
Yarmouth	62.2	51.4	56.9	54.1	2.02

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in: and more, over the western and central parts of France and Central Germany and 29.9 in: and more at the northern extremity of the Gulf of Bothnia.
Lowest, 29.6 in: and less in a depression off the northwest of Norway, 29.7 in: off the extreme northwest of Ireland.
Gradients moderate in the west and north, slight elsewhere.
Barometer rising in east and north, falling steadily in west.

TEMPERATURE

Highest, 68° at Lisbon, 66° at Perpignan, (No report not received) 62° at Belfort and in London, and 60° at Paris.
Lowest, 47° at Kildesness, 48° at Lumbagh Head, 49° at Christiansund and the Scaw, 50° at Hornøya, 52° at Kilmullet, and 54° at Berlin.
It is now rising fast over England and the east of Scotland.

WIND

Has backed to S. in the west, and become strong in Ireland.
It is light from SW. and W. in the East and northeast, and in the north of France.
NW to N in the south of France.

WEATHER

Fine and bright in the East and south, cloudy or overcast elsewhere.
Rain is falling in the west and northwest and in some parts of Norway.
The fall of rain in the west of Ireland is considerable.

SEA

Rather rough in the far west and northwest, moderate at Scilly and in St. George's Channel, slight or smooth on our east and southeast coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new depression in the west does not appear likely to cause any gales of importance on our coasts, but will probably produce showery weather in many places, which, however, may possibly not reach our southeastern counties.

FORECASTS

For the 24 hours ending at NOON on 12th June. 1883.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	S ^W and SW ^W winds, freshening; fair to showery.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SW ^W winds, moderate; fair as a whole.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	Same as No 5.
5	ENGLAND SOUTH	SW ^W breezes, freshening; fine and warm then less fair.
		S ^W and SW ^W winds, fresh or strong; fine and warm, perhaps less settled later.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	S ^W and SW ^W winds, fresh or strong; cloudy, showery.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
WARNINGS		NONE ISSUED.

Note.—The South Cone, point downwards (↓) means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.) Should it appear likely that a gale beginning from between W. and N.W. is likely to rear 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 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.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.69	46	47	W 6	rs	4	Holyhead ...	30.10	57	51	SEW 3	6	3
Sumburgh Head ...							Valencia ...						
Stornoway ...	29.74	53	50	NW 7	bc	5	Scilly ...						
Aberdeen ...							Jersey ...	30.16	59	57	W 3	0	3
Shields ...							Dungeness ...	30.05	55	53	WNW 4	0	4
Ardrossan ...							London ...						*
Malin Head ...	29.99	54	50	W 3	6	4	Yarmouth ...						
Mullaghmore ...							Rochefort ...	30.28	64	59	WNW 3	0	2
Belmullet ...	30.06	56	50	WSW 2	bc	*							

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

The reports for yesterday showed that the depression which lay over our Islands on Saturday was passing away to the northward, and that readings varied from between 30.1 ins. and 30.3 ins. over the southwest of France and north of Spain, and from rather above 30.0 ins. over northern Europe, to somewhat below 29.5 ins. over the north of Scotland and the Shetland Isles. The barometer was rising over the British Islands and France, where the wind had veered to NW and W, with cooler but improving weather; over northern Europe, however, it was falling. Temperature had risen over northern Europe, and ranged from between 68° and 80° over the Mediterranean to between 50° and 55° over the greater part of the British Islands, and to rather below 50° both in the extreme north of Scotland and central Russia, it was also above 60° in the northwest of Norway and the southeast of Sweden. The highest individual values were 82° at Cagliari, 80° at Biskra (Algeria), 78° at Malta, 77° at Brindisi and Pesaro, 72° at Naples and Palermo, 67° at Nice, 65° at Wisby, 62° at Bodö, as well as at Lisbon, lowest 47° at Archangel, 48° at Sumburgh Head, 49° at Moscow and Stornoway, and 50° at Nairn.

During the day the weather improved still further over England and France, but a fresh fall of the barometer commenced in Ireland, with a backing wind and unsettled appearance.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 3RD TO THE 9TH JUNE 1888.

The weather of this week was of a very changeable character. On Sunday (3RD) a somewhat elongated, but not deep depression passed in an easterly direction over the north of Ireland and the southern parts of Scotland, causing extraordinary contrasts of weather. In England the wind was SW^{ly}, and as the weather over the southeastern counties was bright, the thermometer in those regions rose rapidly — maxima being recorded as high as 83° at Cambridge and 82° in London, at the very time that in most parts of Scotland the thermometer did not rise above 45°, and there was a strong E^{ly} wind, accompanied by heavy cold rain, and in some parts much snow. As the disturbance passed off the weather improved in the north, but became colder in the south, and a new disturbance then approached Ireland from the westward.

The E^{ly} and SE^{ly} wind of the new system brought very large quantities of rain to Ireland, the southwest of England, and some parts of the Midland Counties, while a small secondary disturbance, advancing from France, caused some showers in the more southeastern parts of the Kingdom later. Thunderstorms of no great severity occurred in several places, and by Thursday showery changeable weather was prevalent in all parts of the Kingdom, while the E^{ly} winds in the north gave way to breezes from the S^W and SW^W. On Friday a third depression advanced over Ireland from the Atlantic, it was rather large but not deep, and, moving eastward, reached Great Britain by Saturday, where it began to disperse. At the close of the week the distribution of pressure was cyclonic and somewhat complex — the wind was variable, and the general appearance thundery and showery.

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, 12th June 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.						9 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 9 a.m. yesterday.	Dry.	Wet.	Difference from 9 a.m. yesterday.	Dir.	Force (0 to 12.)				Max.	Min.	
SCANDINAVIA.	Haparanda ...	29.82	62	2	0	bc	29.84	-0.04	64	53	+5	S	2	0	b	*	73	43	-
	Hernösand ...	29.82	48	2	0	b	29.83	-0.01	55	51	+2	Z	0	0	b	*	63	46	-
	Stockholm ...	29.82	50	2W	2	b	29.84	+0.04	52	48	-2	Z	0	0	b	*	64	48	-
	Wisby ...	29.96	50	WSW	4	b	29.90	-0.00	48	44	-1	WSW	4	0	b	*	59	45	-
	Bodö ...	29.81	59	Z	0	b	29.88	+0.15	63	51	+4	E	2	0	b	1	?	57	-
	Christiansund...	29.82	48	WSW	4	f	29.90	+0.32	49	46	0	WSW	4	0	0	2	50	45	0.12
	Skudésnaes ...	29.98	48	NW	2	c	29.94	+0.13	49	45	+2	ESE	4	0	0	3	?	?	-
	Christiania Fjord (Færdar)	29.75	56	WNW	4	bc	29.87	+0.19	54	50	+3	Z	0	0	b	4	?	50	-
	Skagen (The Seaw)	29.88	47	W	7	b	29.91	+0.10	50	46	+1	WNW	5	0	?	?	?	?	-
	Fanö ...	30.06	43	Z	0	b	29.99	-0.06	57	51	0	S	3	0	b	*	59	41	-
BRITISH ISLANDS.	Sumburgh Head	29.86	48	SSE	1	c	29.87	-0.17	48	47	0	SE	3	0	0	4	54	45	-
	Stornoway ...	29.65	50	S	6	r	29.41	-0.42	50	50	0	E	4	0	0	4	55	42	0.40
	Wick ...	29.76	53	S	3	0	29.54	-0.36	50	49	-3	S	3	0	0	3	54	48	0.03
	Nairn ...	29.72	55	SW	1	0	29.47	-0.44	54	54	+2	Z	0	0	0	1	64	53	0.01
	Aberdeen...	29.85	51	S	3	0	29.61	-0.35	52	50	-4	S	4	0	0	2	59	48	-
	Leith ...	29.84	59	SW	1	r	29.58	-0.42	55	52	-3	S	5	0	0	*	66	51	0.10
	Shields ...	29.87	53	E	1	0	29.68	-0.33	54	52	-5	SSE	3	0	0	2	66	51	-
	Spurn Head ...	29.94	53	SE	4	bc	29.79	-0.41	55	54	0	SSE	4	0	0	2	57	52	-
	York ...	29.93	66	S	1	bc	29.73	-0.31	55	54	+1	SSE	3	0	0	*	68	50	-
	Loughborough	29.94	66	WSW	2	c	29.75	-0.36	60	56	+2	SSE	3	0	0	*	71	52	-
GERMANY.	Ardrossan ...	29.77	51	SSE	4	r	29.47	-0.49	53	52	-5	SSE	5	0	0	4	59	50	0.85
	Malin Head ...	29.63	55	SSW	3	0	29.35	-0.46	50	50	-1	WNW	1	0	0	0	56	49	0.73
	Mullaghmore ...	29.65	56	SW	4	or	29.36	-0.45	51	51	-1	WSW	3	0	0	3	59	45	1.05
	Belmullet ...	29.65	54	WSW	5	0	29.36	-0.38	51	50	-1	SSW	3	0	0	*	55	50	0.98
	Donaghadee ...	29.77	52	SW	4	r	29.45	-0.51	52	52	-2	SSW	4	0	0	5	55	51	0.62
	Barrow-in-Furness	29.90	56	SW	3	0	29.59	-0.46	55	53	+3	SE	6	0	0	*	59	52	0.01
	Liverpool (Bidston)	29.90	58	W	1	0	29.62	-0.44	58	53	0	SE	4	0	0	3	68	53	-
	Holyhead ...	29.88	54	S	5	om	29.54	-0.50	54	52	0	S	6	0	0	5	57	52	0.03
	Parsonstown ...	29.72	54	Z	0	r	29.42	-0.48	53	52	+1	Z	0	0	0	*	59	50	0.29
	Valencia ...	29.71	53	SSE	1	rm	29.51	-0.32	51	49	-6	W	4	0	0	4	58	48	1.30
FRANCE & NETHERLANDS.	Roche's Point...	29.74	55	S	6	pm	29.50	-0.42	53	52	-2	SW	4	0	0	4	57	50	1.30
	Pembroke ...	29.92	54	S	4	c	29.55	-0.52	52	52	-2	S	6	0	0	5	56	52	0.04
	Scilly ...	29.92	58	S	5	0	29.59	-0.49	55	54	-2	SW	6	0	0	6	61	48	0.03
	Prawle Point ...	30.02	54	SW	3	0	29.75	-0.39	53	53	+2	SSE	5	0	0	4	56	49	-
	Jersey ...	30.07	63	SSE	2	cg m	29.81	-0.36	61	57	+5	SE	2	0	0	2	64	53	-
	Hurst Castle ...	30.05	57	SW	3	bc	29.80	-0.34	60	58	+5	S	4	0	0	2	61	54	-
	Dungeness ...	30.04	55	WSW	4	c	29.86	-0.24	66	54	+2	SSW	4	0	0	3	59	51	-
	London ...	30.02	64	SW	2	b	29.82	-0.29	66	59	+4	SSE	3	0	0	*	71	50	-
	Oxford ...	29.98	57	S	2	bc	29.77	-0.34	62	57	+7	S	4	0	0	*	68	53	-
	Cambridge ...	29.96	65	S	1	bc	29.78	-0.32	66	59	+4	S	2	0	0	*	74	50	-
GERMANY.	Yarmouth ...	30.00	57	SSE	4	b	29.87	-0.25	56	54	-1	S	3	0	0	2	58	51	-
	Cuxhaven ...	30.16	53	WNW	2	b	30.06	-0.08	56	55	+1	SSE	1	0	0	*	60	53	-
	Berlin ...	30.12	62	N	2	b	30.10	-0.09	62	53	+8	S	2	0	0	*	68	46	-
	Wiesbaden ...	*	*	*	*	*	30.08	-0.13	61	57	+1	Z	0	0	0	*	73	50	-
	Munich ...	30.14	58	Z	0	b	30.09	-0.13	62	58	+1	E	3	0	0	*	68	50	-
	The Helder ...	30.05	60	SSW	1	b	29.95	-0.19	58	55	+2	SW	3	0	0	2	66	52	-
	Brussels ...	*	*	*	*	*	29.97	-0.20	65	60	+6	SSE	3	0	0	*	71	57	0.04
	Cape Gris Nez...	30.06	57	SW	4	b	29.89	-0.23	63	58	+9	S	4	0	0	2	63	54	-
	Paris ...	30.10	70	SSW	3	b	29.94	-0.24	64	57	+4	SE	3	0	0	*	?	49	-
	Brest ...	30.10	56	SW	4	0	29.79	-0.40	55	54	-1	SW	5	0	0	4	59	54	-
GERMANY.	Lorient ...	30.11	61	SSW	4	bc	29.84	-0.35	59	58	0	SSE	3	0	0	2	64	54	-
	Rochefort ...	30.13	65	NW	4	bc	29.94	-0.33	59	56	-2	SE	5	0	0	2	73	54	-
	Belfort ...	29.91	68	NW	1	bc	?	?	66	55	+4	E	3	0	0	*	70	46	-
	Lyons ...	30.07	70	N.E.	3	bc	30.01	-0.19	63	57	+7	SSE	1	0	0	*	73	53	-
	Nice ...	30.00	69	N	1	c	29.98	-0.04	68	60	+1	E.N.E.	3	0	0	1	75	63	0.04
	Perpignan ...	30.02	57	WNW	3	c	29.96	-0.19	68	62	+2	Z	0	0	0	*	75	52	-
	Biarritz ...	30.05	67	N.E.	5	b	29.87	-0.33	69	62	+8	SE	4	0	0	1	72	59	-
	Corunna ...	*	*	*	*	*	29.97	-0.19	63	59	0	S	4	0	0	3	72	52	-
	Lisbon ...	29.82	70	WNW	4	b	29.98	-0.07	64	57	-4	WNW	5	0	0	3	82	57	-
	PERIN. SUL.																		

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on *Friday, 12th June, 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.

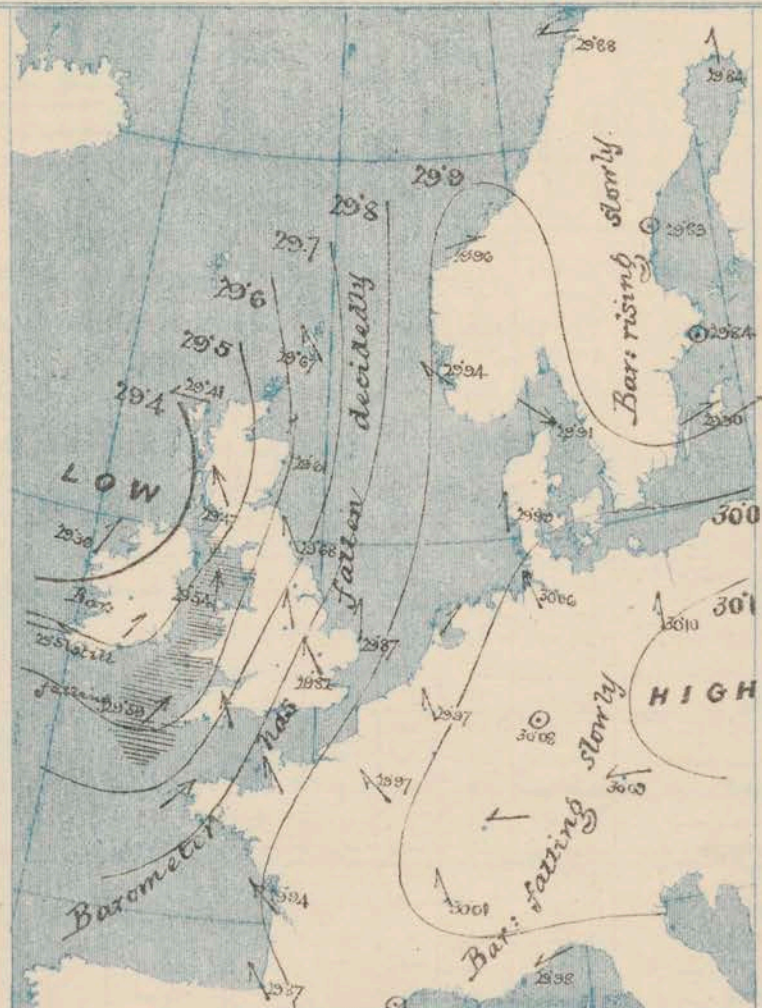
Sea Disturbance — where considerable, is shown thus.

▨ = Rough. ▨ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shields	29.928
York	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.964
Cambridge	29.967
Yarmouth	29.963



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.

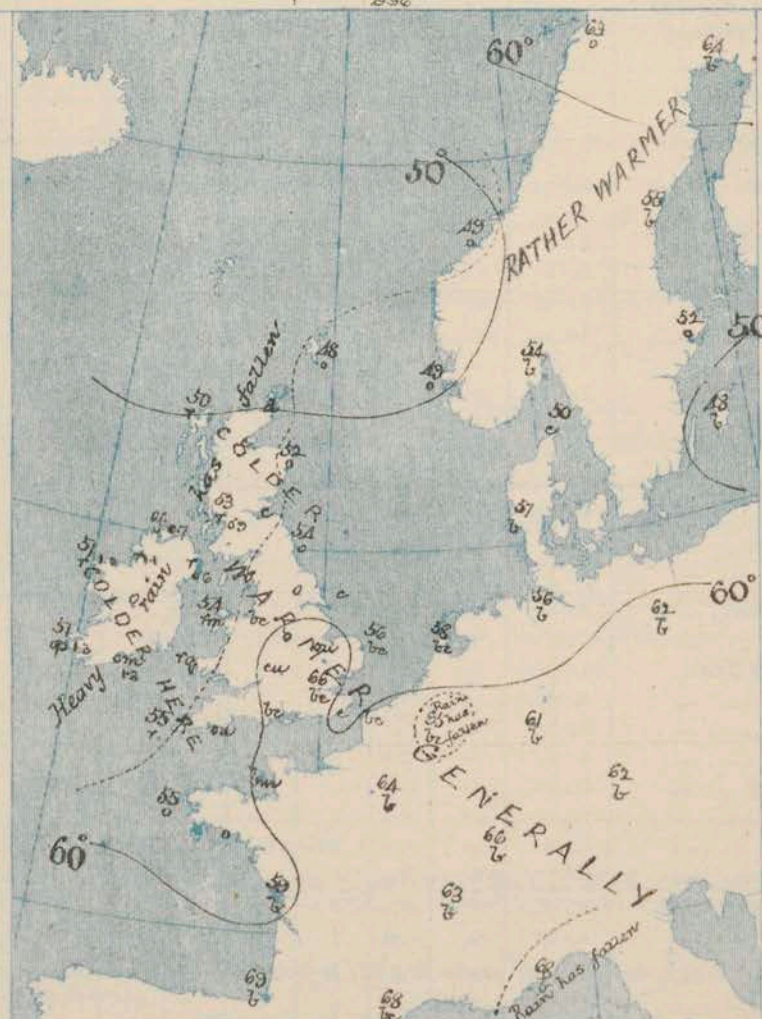
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of June.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	46.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.75
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	56.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	66.2	48.3	56.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.62
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.6	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.96
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	3.26
Pembroke	60.3	51.4	55.0	52.9	2.09
Scilly	61.1	53.0	57.2	55.0	1.94
Jersey	64.8	52.6	58.7	55.9	1.88
Hurst Castle	63.9	51.9	57.6	55.4	2.07
Dover	63.3	53.1	58.6	55.1	1.72
LONDON	60.3	50.6	59.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.40
Yarmouth	62.2	51.4	56.9	54.1	2.02

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.10 in. and more over North and East Germany—About 30.00 in. over ^{the Sea} Portugal, and 29.95 in. in West of Norway.</p> <p>Lowest, 29.4 in. and less, in a depression off our northwest coast, 29.6 in. at Sicily.</p> <p>Gradients moderate, for S winds in most places, but for W in and off the south of Ireland.</p> <p>Barometer falling, except over Norway—change greatest in west.</p>
TEMPERATURE	<p>Highest, 63° at Biarritz, 68° at Biscaya and Nice, 66° in London, 63° to 64° over Lapland.</p> <p>Lowest, 48° at Lumburgh Head and Wicby, 43° in the west of Norway, 50° at Stornoway and Malin Head, and 51° along the west coast of Ireland.</p> <p>Its distribution is therefore somewhat complex, but not unusual at this time of year.</p>
WIND	<p>S² and SE² over France and South Britain—moderate in the east, strong in the west, and gusty generally.</p> <p>SW² to W² in Ireland, NW² in Portugal, E² in South Germany.</p> <p>Very variable over Scandinavia. In Ireland the wind is lulling.</p>
WEATHER	<p>Dull and very rainy in the west; fairly bright but threatening for rain over England.</p> <p>Over France, Germany, the Baltic and Sweden it is very fine.</p> <p>The rainfalls in Ireland and the west of Scotland has again been very large.</p>
SEA	<p>Rather rough on our west coast, moderate in the north, slight or smooth in the east and south and over the Bay of Biscay.</p>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbances in the southwest and west appear likely to extend to the eastern part of the Kingdom later on causing showers of rain generally, and in some places thunder.

FORECASTS

For the 24 hours ending at NOON on 13th June 1883.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	Varying S ² winds; cloudy, rain at times.	6 { SCOTLAND WEST	SW ² winds, strong to moderate; rainy to fair.
1 { SCOTLAND EAST		7 { ENGLAND N. W.	
2 { ENGLAND N. E.		8 { ENGLAND S. W.	SW ² and W ² winds, dull, rainy and thundery to fair.
3 { ENGLAND EAST	S ² to SW ² or W ² winds, fresh to light; rain at times, perhaps thunder.	9 { IRELAND NORTH	Varying S ² and W ² breezes, light; showery, unsettled.
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 ...	29.94	49	47	W 5	0	4	Holyhead ...	29.97	54	51	SSW 5	0	5
Samburgh Head ...	29.90	52	49	SSW 2	60	3	Valencia ...	29.76	57	56	SSW 7	rm	6
Stornoway ...	29.74	54	51	S 6	0	5	Scilly ...	30.00	61	58	S 4	c	4
Aberdeen ...	29.91	55	50	S 4	0	2	Jersey ...	30.12	63	60	SE 2	bc	2
Shields ...	29.92	58	53	E 2	c	2	Dungeness ...	30.69	57	43	WSW 4	bc	3
Ardrossan ...	29.89	56	55	SSE 5	1	4	London ...	30.05	70	60	S 2	bc	*
Malin Head ...	29.66	54	53	S 5	0	4	Yarmouth ...	30.06	56	54	SSE 3	bf	2
Mullaghmore ...	29.66	58	56	SSE 6	p	5	Rochefort ...	30.21	69	63	WSW 4	bc	2
Belmullet ...	29.66	55	55	WSW 5	0	*							

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

The reports for yesterday morning showed that pressure varied from 30.2 ins: and more over the central part of France and Germany and from 30.1 ins: and more over the whole of Central and Western Europe, to about 29.6 ins: off the northwest of the British Isles and also in a depression lying off the northwest of Norway. The winds reported were consequently light and variable in most districts and the weather fair. but as a new depression was approaching Ireland from the Atlantic the wind on our western coasts had become strong from the Snd, and rain had set in very generally at the Irish stations. Temperature was increasing over Great Britain and several parts of France, as well as in the north of Sweden, Lapland, and the northern part of Russia, and readings varied from between 70° to 80° over the Mediterranean, and from nearly 60° over the extreme north of Europe to rather below 50° at some of our own northern stations as well as over Central Russia. The highest individual values at 8 a.m. were 84° at Biskra (Algeria), 79° at Brindisi, 77° at Malta, 75° at Cagliari, 72° at Livourne, 71° at Pesaro, 68° at Lyons, 67° at Nice; the lowest were 47° at Skudesnaes, 48° at Samburgh Head, 49° at Christiansund, the Bear and Moscow, and 50° at Stornoway.

Later in the day pressure gave way still more generally in the west, and temperature rose decidedly over England and 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 Wednesday 13th June 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R.H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)		SHADE TEMP.		
			Dir.	Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)				Max.	Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ..	29.77	63	2	0	b	29.88	+ .04	54	49	10	N	6	0	*		73	50	—
	Hernösand ...	29.87	55	2	0	b	29.92	+ .09	60	53	5	Z	0	0	*		66	45	—
	Stockholm ...	29.82	55	2	0	b	29.89	+ .05	59	52	7	NNE	2	0	*		63	45	—
	Wisby ...	29.90	53	WSW	2	bc	29.91	+ .01	48	46	0	N	2	0	*		64	43	—
	Bodö ...	30.02	51	2	0	b	30.01	+ .13	45	44	18	SW	1	0	*		63	43	—
	Christiansund...	29.92	55	ENE	7	b	29.93	— .03	57	51	8	ESE	1	0	1		57	48	—
	Skudesnaes ...	29.85	52	SSE	2	0	29.85	— .09	58	49	9	ESE	2	0	3		59	48	—
	Christiania Fjord (Færdar)	29.90	56	WSW	2	b	29.96	+ .09	54	50	0	WN	2	0	1		57	52	—
	Skagen (The Scaw)	29.91	50	2	0	0	29.94	+ .03	54	50	4	Z	0	0	1		55	46	—
	Fanö ...	29.87	58	2	0	c	29.81	— .18	66	61	9	ESE	4	0	*		68	57	—
BRITISH ISLANDS.	Sumburgh Head	29.59	48	SE	4	0	29.67	— .00	48	48	0	SE	1	0	4		51	46	0.04
	Stornoway ...	29.30	53	S	5	r	29.51	+ .10	48	48	2	S	4	0	4		54	45	0.20
	Wick ...	29.44	52	S	5	0	29.62	+ .08	53	51	3	S	3	0	3		53	45	0.10
	Nairn ...	29.06	58	SSW	2	r	29.55	+ .08	58	50	1	SW	1	0	1		64	45	0.01
	Aberdeen...	29.48	51	SSE	5	r	29.66	+ .05	54	50	2	SSW	3	0	2		57	45	0.15
	Leith ...	29.45	56	SW	3	c	29.65	+ .07	56	49	1	W	2	0	*		63	46	0.03
	Shields ...	29.53	59	SSW	3	ob	29.71	+ .03	54	51	0	SSW	2	0	2		67	46	0.05
	Spurn Head ...	29.62	63	WSW	5	bc	29.76	— .03	55	51	0	WNW	3	0	2		69	50	—
	York ...	29.58	61	S	3	r	29.75	+ .02	55	50	0	SSW	2	0	*		67	44	0.03
	Loughborough	29.64	59	S	4	0	29.80	+ .05	57	52	3	WSW	3	0	*		69	43	0.09
GERMANY.	Ardrossan ...	29.42	50	S	5	p	29.65	+ .18	52	51	1	S	4	0	3		53	48	0.06
	Malin Head ...	29.36	50	W	2	c	29.59	+ .24	49	47	1	SSE	3	0	3		53	44	0.37
	Mullaghmore ...	29.38	50	WSW	4	hpr	29.60	+ .24	52	49	1	SW	5	0	3		54	44	0.70
	Balmullet ...	29.37	52	W	3	0	29.59	+ .23	52	49	1	WSW	3	0	*		54	49	0.36
	Donaghadee ...	29.46	54	SW	3	bc	29.67	+ .22	54	50	2	SSW	3	0	1		55	46	0.33
	Barrow-in-Furness	29.53	54	SSW	5	0	29.70	+ .11	53	50	2	SSW	4	0	*		58	50	0.04
	Liverpool (Bilston)	29.59	54	SW	4	0	29.73	+ .11	55	50	2	SSW	2	0	2		62	45	0.06
	Holyhead ...	29.56	52	SSW	5	bc	29.71	+ .17	53	50	1	SSW	5	0	5		55	48	0.18
	Parsonstown ...	29.47	52	WSW	1	bc	29.68	+ .26	53	50	0	SW	2	0	*		58	46	0.18
	Valencia ...	29.55	52	SW	6	cp	29.70	+ .19	54	50	3	SW	3	0	5		57	46	0.88
FRANCE & NETHERLANDS.	Roche's Point...	29.56	57	WSW	5	bc	29.74	+ .24	54	50	1	WSW	4	0	4		58	46	0.06
	Pembroke ...	29.65	53	SSW	4	b	29.77	+ .22	52	50	0	SW	3	0	4		54	50	0.24
	Scilly ...	29.74	56	WSW	6	bc	29.80	+ .21	55	52	0	WSW	2	0	6		58	50	0.10
	Prawle Point ...	29.75	53	W	4	0	29.84	+ .09	54	52	1	SW	4	0	3		55	47	0.06
	Jersey ...	29.80	55	WNW	3	opg	29.90	+ .09	54	52	7	WSW	4	0	3		70	49	0.06
	Hurst Castle ...	29.74	55	WSW	4	cp	29.86	+ .06	54	53	4	WSW	4	0	2		62	51	0.03
	Dungeness ...	29.69	67	S	2	bc	29.82	— .04	57	54	1	W	2	0	2		67	52	0.05
	London ...	29.71	64	SW	4	cp	29.83	+ .01	56	57	10	WSW	2	0	*		74	47	0.01
	Oxford ...	29.72	54	WSW	1	0	29.82	+ .05	53	50	9	SW	3	0	*		67	45	0.05
	Cambridge ...	29.72	72	SW	1	0	29.80	+ .02	59	53	7	W	1	0	*		75	45	—
PENINSULA.	Yarmouth ...	29.71	60	SSE	3	bc	29.79	— .08	55	52	1	WNW	2	0	1		62	52	0.03
	Cuxhaven ...	29.93	59	NNW	1	b	29.91	— .14	61	59	5	SE	1	0	*		71	57	—
	Berlin ...	29.94	70	NE	1	b	29.91	— .19	66	56	4	SE	2	0	*		81	46	—
	Wiesbaden ...	*	*	*	*	*	29.86	— .22	66	59	5	SE	1	0	*		77	55	—
	Munich ...	29.97	61	NE	3	b	29.96	— .13	66	60	4	Z	0	0	*		70	48	—
	The Helder ...	29.76	67	ESE	1	c	29.79	— .16	57	54	1	W	4	0	3		72	57	—
	Brussels ...	*	*	*	*	*	29.84	— .13	55	54	10	Z	0	0	*		78	55	0.20
	Cape Gris Nez...	29.71	64	SW	1	bc	29.84	— .05	54	52	9	W	4	0	2		75	52	0.16
	Paris ...	29.77	78	SW	3	b	29.90	— .07	55	54	9	NNW	1	0	*		82	53	0.32
	Brest ...	29.86	57	WNW	4	0	29.88	+ .09	54	50	1	W	5	0	4		59	52	0.12
GERMANY.	Lorient ...	29.85	56	NNW	4	0	29.91	+ .07	56	51	3	WNW	5	0	4		64	54	0.04
	Rocheport ...	29.89	65	NNW	5	b	30.00	+ .06	57	53	2	NNW	5	0	2		82	52	0.04
	Belfort ...	29.88	76	W	1	b	29.89	?	73	60	7	NNW	1	0	*		86	52	—
	Lyons ...	29.81	79	S	4	b	29.92	— .09	68	58	5	S	3	0	*		84	58	—
	Nice ...	29.95	68	WSW	3	bc	29.95	— .03	72	61	4	E	3	0	1		77	57	—
	Perpignan ...	29.86	72	SSW	4	b	29.93	— .03	66	64	2	Z	0	0	*		78	60	—
	Biarritz ...	29.92	64	WNW	7	0	29.96	+ .09	60	58	9	NNW	4	0	3		74	57	0.35
	Corunna ...	*	*	*	*	*													
	Lisbon ...	29.94	63	NNW	7	b	29.99	+ .01	60	53	4	N	7	0	3		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

WEDNESDAY 13TH June.

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.

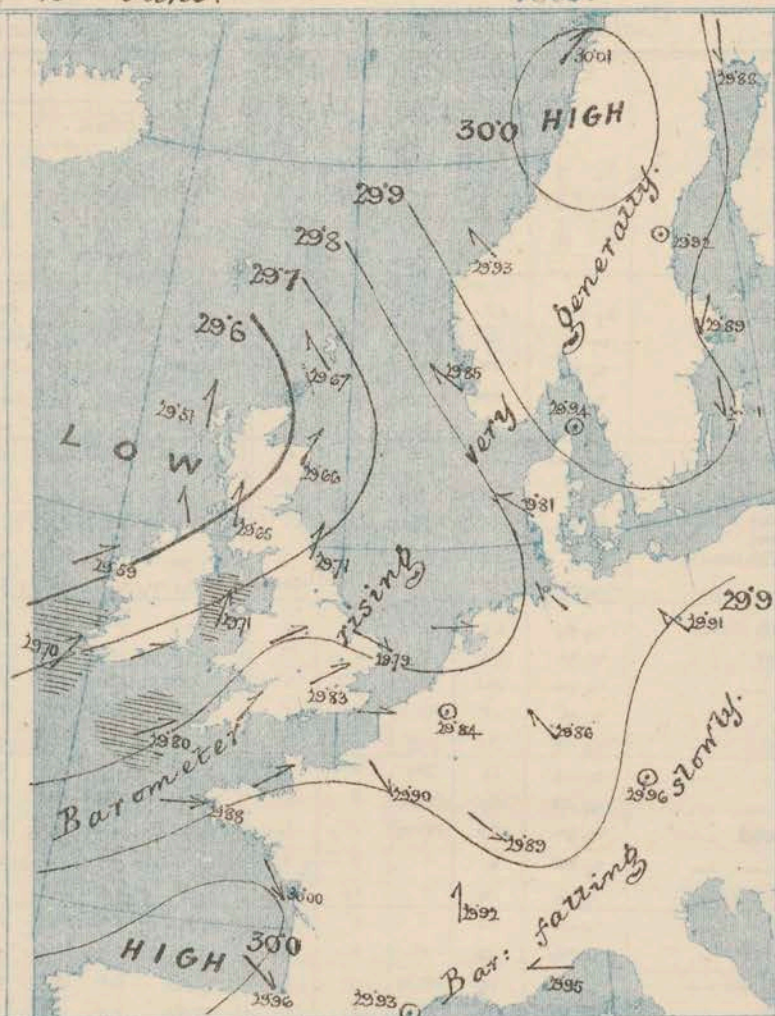
Sea Disturbance — where considerable, is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS in.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shields	29.928
York	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.964
Cambridge	29.967
Yarmouth	29.983



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.

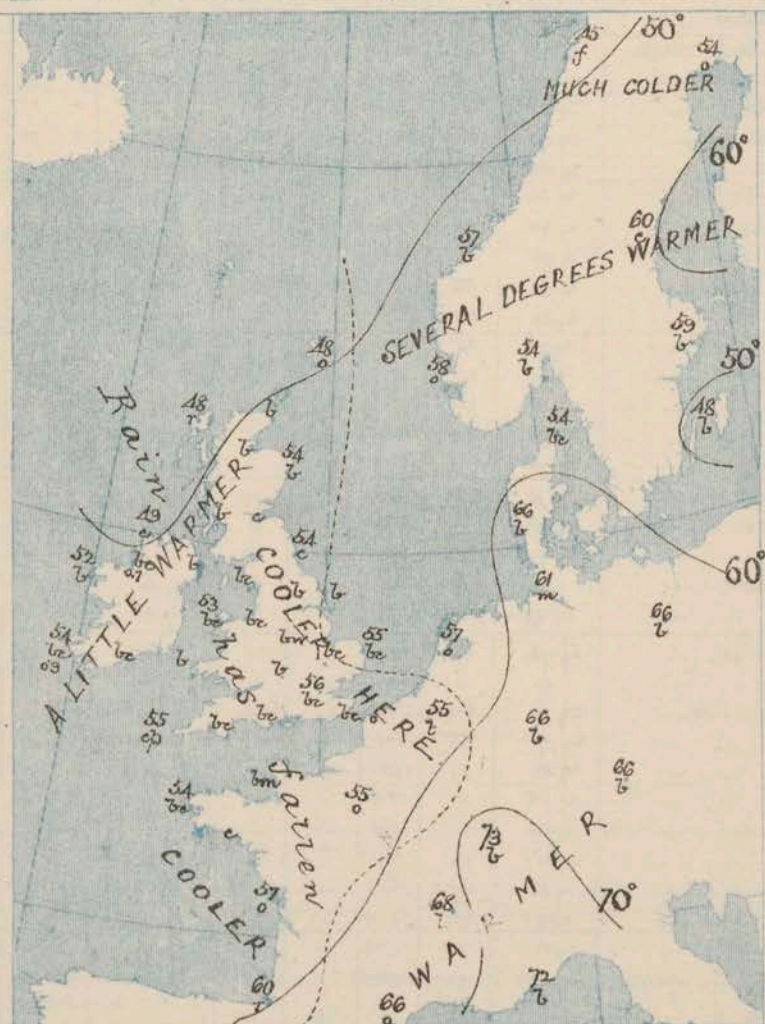
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of June.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max	Daily Min.	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	54.6	45.1	50.4	48.7	2.07
Stornoway	57.6	48.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.75
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	56.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	66.2	48.3	56.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	63.0	49.7	55.1	52.0	2.62
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.6	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.96
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	3.26
Pembroke	60.3	51.4	55.0	52.9	2.09
Scilly	61.1	53.0	57.2	55.0	1.94
Jersey	64.8	52.6	58.7	55.9	1.83
Hurst Castle	63.9	51.9	57.6	55.4	2.07
Dover	63.3	53.1	58.6	55.1	1.72
LONDON	69.3	50.6	59.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.40
Yarmouth	62.2	51.4	56.9	54.1	2.02

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 30.00 ins. at Rochefort and apparently over the northwest of Spain - also in the northwest of Norway. Lowest 29.8 ins. over the Netherlands, and above 29.5 ins. off the west of Scotland. Gradients, slight and decreasing. Barometer rising except in southeast. Depression in northwest falling up.
TEMPERATURE	Highest 73° at Belfort, 72° at Nice, 68° at Lyons, 66° at all the German stations and Fano, 60° at Lisbon, Biarritz, and Hérnösand. Lowest 45° at Bodo, 48° at Lumburgh Head and Stornoway, 49° at Malin Head. It has fallen decidedly over England and France, since yesterday, and also in Lapland.
WIND	Light SE ^{ly} in Denmark, the west of Norway, and over Germany. Moderate S ^{ly} in Scotland - SW ^{ly} in Ireland - SW ^{ly} to NW ^{ly} over England. Fresh W ^{ly} and NW ^{ly} in the west of France, light and variable in the southeast of France.
WEATHER	Fine and bright at present in most places, but dull at Lumburgh Head, and rainy at Stornoway. Thunder is prevalent at Brussels. Rain fell generally in our Islands yesterday - most in the west and northwest, very little in the southeast; thunder occurred in several places.
SEA	Rough in southwest and west, moderate in the north and off Ushant, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Although the depression in the northwest is falling up, the local disturbances in the southwest and southeast, will probably cause passing showers in several parts of England to-day.

FORECASTS

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

DISTRICTS.

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

FORECASTS.

Wind mainly S^{ly}, light; fine, warmer.

W and SW^{ly} winds; some showers, with bright intervals, cool night.

DISTRICTS.

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

FORECASTS.



SW^{ly} and S^{ly} winds, light; some showers.

Same as Nos 3 to 5.

Wind backing to the S^{ly} again, and freshening; fair 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.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.90	59	50	ESE 4	c	3	Holyhead ...	29.51	53	52	SSH 6	c	5
Sumburgh Head ...	29.62	49	48	SE 4	0	6	Valencia ...	29.51	53	51	SW 6	0	6
Stornoway ...	29.30	53	52	S 5	0	4	Scilly ...	29.69	57	52	W 5	c	6
Aberdeen ...	29.54	53	51	S 5	0	3	Jersey ...	29.74	69	62	SSH 1	bc	1
Shields ...	29.55	65	59	S 5	0	2	Dungeness ...	29.75	64	57	S 3	bc	2
Ardrossan ...	29.41	51	51	SSE 4	0	4	London ...	29.71	71	64	S 4	bc	*
Malin Head ...	29.30	51	51	WNW 2	0	1	Yarmouth ...	29.76	61	57	S 4	b	3
Mallaghmore ...	29.37	52	49	WSW 5	0	3	Rochefort ...	29.87	78	67	WSW 4	b	2
Belmullet ...	29.38	53	50	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 between 30.00 ins. and 30.12 ins. over the whole of Central Europe to rather below 29.4 ins. in a rather large depression which had arrived off our northwest coasts, to rather below 29.9 ins. in a secondary "V" which lay over the north of Spain, and to about 29.7 ins. on the shores of the White Sea. Thus, while variable airs and fine bright weather were general over northern, eastern and central Europe, the wind in the west was mainly S. by S.E.^{ly}, and blew strongly at the more exposed of our western stations, with much rain in Ireland. At Lisbon, however, it was NW^{ly}. Temperature, which had fallen in the south, and was changing somewhat irregularly elsewhere, varied from between 70° and 80° over the greater part of the Mediterranean, and from upwards of 60° in Lapland and the southeast of England, to rather below 50° in the Shetland Isles, the west of Norway and at Wisby. The highest individual values were 83° at Biskra (Algeria), 79° at Cagliari, 75° at Brindisi, 74° at Bilbao, 73° at Lesina and San Fernando, 69° at Biarritz, 68° at Nice, 66° in London, and 64° at Haparanda. The lowest were 48° at Sumburgh Head and Wisby, 49° at Christiansund and Skudesnaes, 50° at Stornoway, Malin Head, and the Scaw.

Later on the thermometer rose to upwards of 70° over England, and to upwards of 80° at several of the Continental stations, and showers fell in nearly all parts of the British Islands.

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, 14th June* 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	30.05	43	NE	8	0	29.91	+03	41	38	-13	NE	8	0	*	63	?	-
	Hernösand ...	30.02	51	NNE	2	6	30.11	+19	50	45	-10	NNE	2	bc	*	63	39	-
	Stockholm ...	29.84	64	ESE	4	0	29.98	+09	57	46	-2	NE	4	7	*	77	45	0.63
	Wisby ...	29.94	54	WSW	2	6	29.95	+04	57	50	+9	NE	2	6	*	64	46	-
	Bodö ...	30.02	52	E	2	6	30.02	+01	57	45	+12	ESE	4	6	2	57	43	-
	Christiansund...	29.88	58	NE	3	6	29.80	-13	59	54	+2	SSW	1	6	1	66	48	-
	Skudesnaes ...	29.79	62	ESE	2	0	29.85	00	50	49	-8	Z	0	7	3	7	57	0.63
	Christiania Fjord (Færd)	29.90	64	Z	0	6	29.89	-07	60	54	+6	NE	2	6	1	64	?	-
	Skagen (The Scaw)	29.87	55	ESE	2	bc	29.86	-08	56	53	+2	SE	1	6	1	70	54	-
	Fanö ...	29.83	56	NW	2	7	29.83	+02	53	53	-13	W	3	7	*	75	52	0.47
BRITISH ISLANDS.	Sumburgh Head	29.75	48	NE	1	0	29.82	+15	46	45	-2	NW	1	6	2	50	40	0.01
	Stornoway ...	29.69	52	S	4	e	29.83	+32	52	51	+4	SW	4	bc	3	53	38	0.05
	Wick ...	29.70	59	NW	2	6	29.85	+23	60	58	+7	S	1	6	1	60	39	-
	Nairn ...	29.68	60	Z	0	e	29.86	+31	52	49	-6	Z	0	6	0	65	41	-
	Aberdeen...	29.72	56	S	4	6	29.86	+20	57	52	+3	W	1	bc	1	60	43	-
	Leith ...	29.73	56	SW	1	bc	29.86	+21	59	53	+3	W	1	6	*	60	42	0.10
	Shields ...	29.74	53	SE	3	0	29.87	+16	55	51	+1	W	2	6	2	64	44	-
	Spurn Head ...	29.78	56	SE	5	7	29.87	+11	53	49	-2	WNW	3	bcw	2	65	48	0.12
	York ...	29.77	51	SW	1	7	29.90	+15	52	49	-3	NW	1	6	*	67	43	0.20
	Loughborough	29.81	60	W	4	bc	29.91	+11	55	52	-2	Z	0	bcw	*	67	40	0.05
BRITISH ISLANDS.	Ardrossan ...	29.72	53	SSW	1	6	29.89	+24	54	53	+2	Z	0	bcw	0	57	43	-
	Malin Head ...	29.71	53	Z	0	0	29.87	+28	54	51	+5	E	1	6	0	56	44	0.12
	Mullaghmore ...	29.70	56	WNW	1	bc p	29.88	+28	57	51	+5	E	1	bcw	2	57	41	0.11
	Belmullet ...	29.70	55	WSW	2	6	29.88	+29	55	52	+3	SW	2	0	*	56	45	-
	Donaghadee ...	29.75	50	NE	2	7	29.89	+22	56	53	+2	SE	3	6	2	59	45	0.25
	Barrow-in-Furness	29.77	56	WSW	2	6	29.90	+20	51	49	-2	SW	3	bc	*	57	46	-
	Liverpool (Bidston)	29.80	59	NW	1	6	29.92	+19	54	49	-1	N	1	6	2	59	46	0.11
	Holyhead ...	29.78	53	SSW	3	6	29.92	+21	55	51	+2	SSW	2	bcw	2	57	47	-
	Parsonstown ...	29.73	57	Z	0	e	29.92	+24	53	50	0	Z	0	6	*	60	39	0.19
	Valencia ...	29.74	53	SSW	3	ep	29.94	+24	57	53	+3	SW	1	bc	2	57	45	0.04
BRITISH ISLANDS.	Roche's Point...	29.75	56	SW	4	6	29.94	+20	53	50	-1	NW	1	6	2	59	45	-
	Pembroke ...	29.81	53	SW	2	bc	29.93	+16	53	51	+1	SW	2	6	2	57	46	0.07
	Scilly ...	29.82	57	WSW	3	e	29.93	+13	55	53	0	WNW	2	6	4	59	48	0.13
	Prawle Point ...	29.87	53	SW	3	bc	29.95	+11	55	52	+1	WSW	2	bc	2	58	44	0.03
	Jersey ...	29.91	64	SW	4	c	29.97	+07	55	51	+1	W	3	6	3	61	48	-
	Hurst Castle ...	29.89	56	WSW	4	6	29.94	+08	55	52	-1	WSW	3	bc	1	60	47	-
	Dungeness ...	29.86	55	WSW	4	e	29.91	+09	53	50	-4	NW	3	6	2	58	47	0.27
	London ...	29.84	63	WSW	3	bc	29.94	+11	49	47	-7	W	1	6	*	69	48	0.15
	Oxford ...	29.86	54	WSW	1	6	29.93	+11	50	48	-3	W	1	6	*	63	43	0.02
	Cambridge ...	29.85	61	SW	1	6	29.90	+10	55	52	-4	SW	1	bc	*	72	42	0.09
GERMANY.	Yarmouth ...	29.92	61	S	3	bc	29.88	+09	52	50	-3	WSW	1	p	2	62	48	0.06
	Cuxhaven ...	29.82	59	WNW	3	6	29.90	-02	57	55	-4	NW	2	7	*	74	55	0.44
	Berlin ...	29.85	75	E	3	bc	29.81	-10	69	60	+3	SSE	2	bc	*	86	55	-
	Wiesbaden ...	*	*	*	*	*	29.93	+07	62	55	-4	NW	3	7	*	81	54	0.28
	Munich ...	29.90	64	Z	0	e	29.97	+01	60	58	-6	W	3	0	*	79	57	0.16
	The Helder ...	29.88	56	WSW	1	e	29.89	+10	56	52	-1	SSW	1	6	1	59	52	0.12
	Brussels ...	*	*	*	*	*	29.92	+08	57	54	+2	ESE	1	0	*	62	53	0.12
	Cape Gris Nez...	29.88	56	SW	5	bc	29.89	+05	50	50	-4	Z	0	7	0	59	50	0.32
	Paris ...	29.93	58	S	1	0	29.99	+09	55	52	0	WSW	3	bc	*	67	48	0.04
	Brest ...	29.96	56	S	4	0	29.98	+19	53	51	-1	Z	0	6	4	59	48	0.23
FRANCE & NETHERLANDS.	Lorient ...	29.93	58	W	5	bc	30.01	+10	54	52	-2	E	1	0	3	61	50	0.12
	Rochefort ...	30.03	63	WNW	4	0	30.06	+06	61	55	+4	WNW	4	6	2	68	52	-
	Belfort ...	29.88	73	W	1	e	30.01	+12	54	53	-19	W	1	7	*	79	51	0.16
	Lyons ...	29.88	69	WSW	5	0	30.03	+11	53	53	-15	WNW	4	7	*	80	52	0.32
	Nice ...	29.91	72	SSW	3	6	29.93	-02	68	61	-4	NE	4	6	1	79	61	0.04
	Perpignan ...	29.96	66	E	3	0	29.98	+05	63	57	-3	N	3	0	*	75	61	0.04
	Biarritz ...	30.03	61	WNW	4	0	30.05	+09	69	57	-9	Z	0	6	4	64	57	0.04
	Coronilla ...	*	*	*	*	*	30.05	+06	61	55	+1	N	7	6	5	68	57	-
	Lisbon ...	29.98	60	N	8	6	30.05	+06	61	55	+1	N	7	6	5	68	57	-
	Peninsula ...	*	*	*	*	*	30.05	+06	61	55	+1	N	7	6	5	68	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

14th June

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;
→ = force to 7; → = forces 4 to 7;
○ = dead calm

Sea Disturbance — where considerable is shown thus.

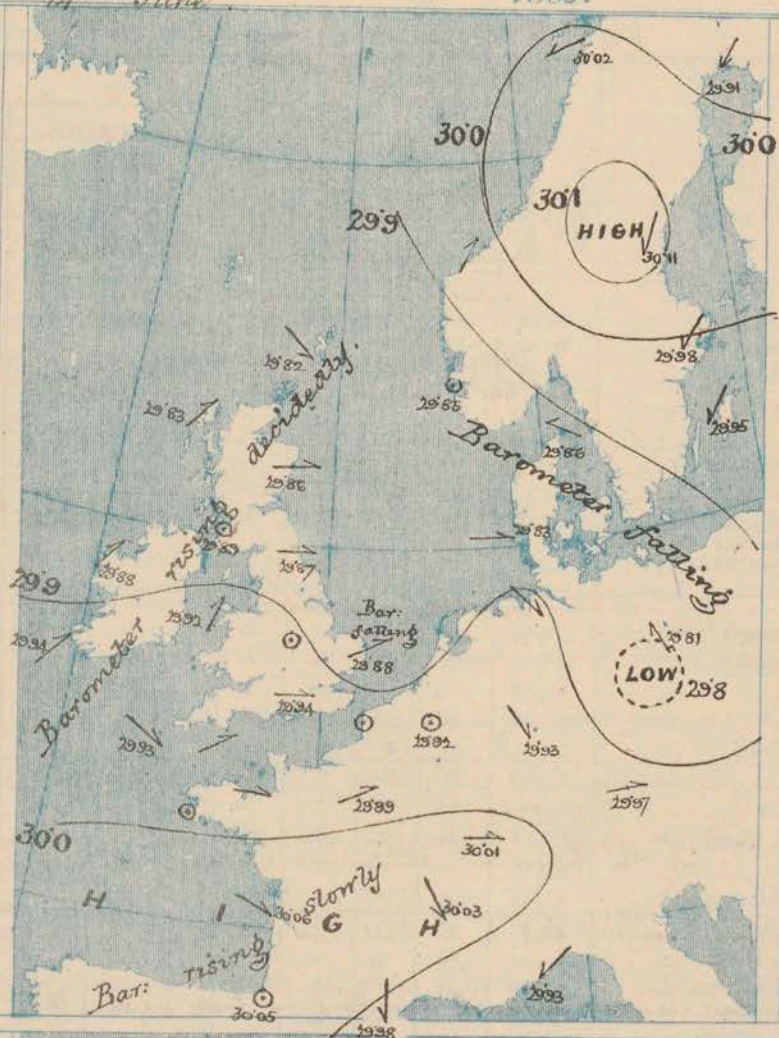
■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871 — 1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shir	29.928
Yor.	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.964
Cambridge	29.967
Yarmouth	29.963



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.

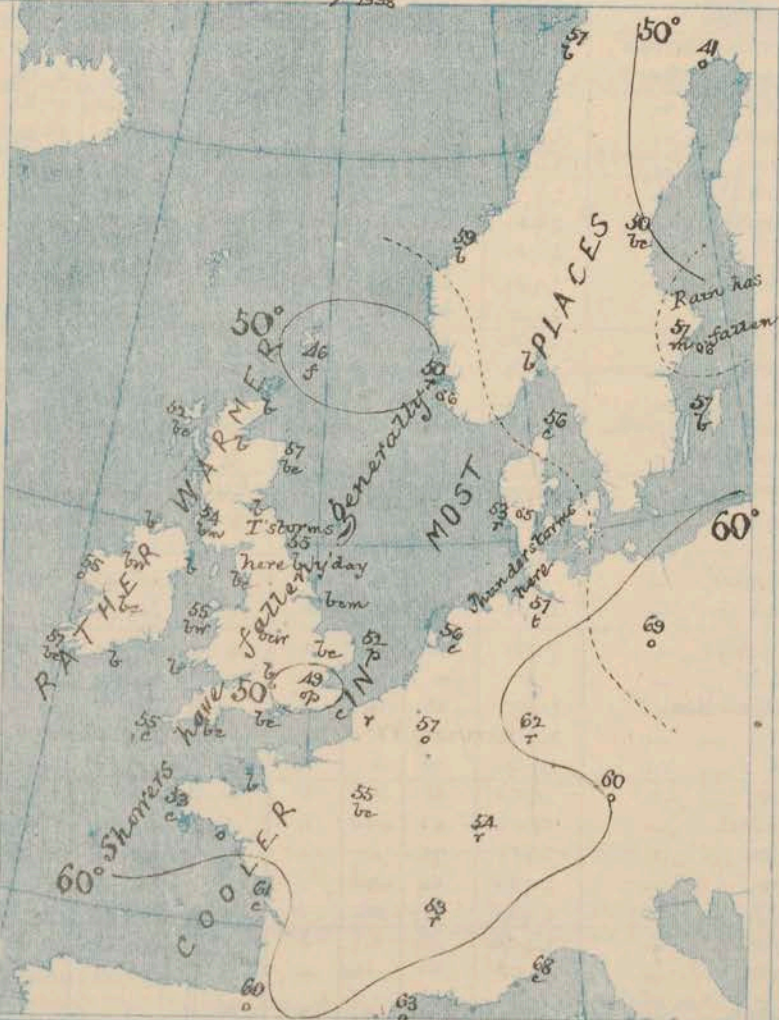
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of June.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	46.0	53.3	51.0	2.09
Wick	58.8	45.7	53.1	50.4	1.75
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	56.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	66.2	48.3	55.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.52
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.6	53.1	2.19
Liverpool	68.6	50.3	56.6	52.6	1.96
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	3.26
Pembroke	60.3	41.4	55.0	52.9	2.09
Scilly	61.1	53.0	57.2	55.0	1.94
Jersey	64.8	52.6	58.7	55.9	1.83
Hurst Castle	68.9	51.9	57.6	55.4	2.07
Dover	63.3	53.1	58.6	55.1	1.72
LONDON	69.3	50.6	69.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.26
Cambridge	68.8	48.5	58.0	54.7	2.40
Yarmouth	62.2	51.4	56.9	54.1	2.02

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, 30.0 ins. and more over Spain, the southwest of France and Bay of Biscay; also over the northern half of Scandinavia.
Lowest, about 29.8 ins. off our extreme northwest coasts and also in shallow local disturbances over Germany and Denmark.
Gradients slight except over Germany. Barometer rising in our Islands - most in northwest - falling over North Germany and Denmark.

TEMPERATURE

Highest, 69° at Berlin, 68° at Nice, 62° at Wiesbaden, 60° at Nioca.
Lowest, 41° at Haparanda, 46° at Lumburgh Head, 43° in London, and 50° at Cape Jie Neg.
Its distribution is somewhat complex, and the changes reported have been fitful - especially in Scotland.

WIND

NE. over Sweden and Lapland, light and variable from W. and SW. over the British Isles and north of France, N. and NW. over Bulgaria.
Very variable to the eastward of the North Sea.

WEATHER

Fine and bright in our Islands and north of France except over our southeastern coasts, where showers prevail.
Changeable and showery to the eastward of the North Sea, with thunder in some localities. Clear in the northwest of Norway.

SEA

Very little disturbed.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the barometer still rises generally there is no decided indication of the approach of any new disturbance to our western coasts; but to the eastward of the North Sea conditions are favourable for the further development of the showery, thundery weather already prevailing in those regions; these seem likely to affect our midland and eastern coasts also.

FORECASTS

for the 24 hours ending at NOON on 15th June 1888.

DISTRICTS.

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

FORECASTS.

Very light variable breezes; fine, warm.

Varying W. winds; unsettled, showery.

DISTRICTS.

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

FORECASTS.

Light breezes, mainly W. or S.W.; fair generally.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.84	65	53	ESE 2	0	3	Holyhead ...	29.76	56	52	SSW 4	6	4
Sumburgh Head ...	29.73	49	48	E 1	0	4	Valencia ...	29.73	57	52	SW 4	6	4
Stornoway ...	29.63	53	51	SW 6	0	5	Scilly ...	29.82	55	52	S 4	op	6
Aberdeen ...	29.71	58	52	S 3	6	2	Jersey ...	29.92	58	54	SW 3	c	3
Shields ...	29.71	63	55	SW 3	c	2	Dungeness ...	29.86	56	53	WSW 5	c	4
Ardrossan ...	29.70	57	51	SSW 1	0	5	London ...	29.82	66	59	SW 3	6	*
Malin Head ...	29.67	54	52	WSW 1	0	1	Yarmouth ...	29.82	58	55	SSE 4	6	2
Millaghmore ...	29.67	54	51	WSW 2	cpl	3	Rochefort ...	30.03	66	57	WSW 4	c	2
Belmullet ...	29.67	55	51	SSW 3	c	*							

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

The reports for yesterday morning showed that pressure varied from between 29.9 in. and 30.0 in. over Scandinavia, Eastern, Central, Southern, and southwestern Europe, to about 29.5 in. in a large but shallow depression, which lay off the northwest of our Islands, and to about 29.5 in. in another depression the centre of which lay over the White Sea. The winds were mainly SW^{ly} (W to S) over the British Isles and north of France, SE^{ly} over Denmark, Norway, and North Germany, but were strong from the Nth and NWth over the Gulf of Bothnia and Finland, and very variable over Central Europe. In Spain they were Nth. The weather was fine over the southern and Eastern countries, but changeable in the west and northwest, with rain and thunder at times. Temperature was changing little and irregularly, except in the far north and in the Netherlands, where a decided fall had occurred. At 8 am it ranged from between 70° and 80° over the Mediterranean to rather below 50° in the extreme north of our Islands, as well as in Lapland and the north of Siberia. The highest individual readings were 80° at Cagliari, 79° at Algiers (Algérie), 76° at Trieste, 75° at Malta, Rhinow, and Lisourne, 72° at Nice, 71° at Gênes, and 66° at Faro; the lowest were 45° at Archangel and Rode, 48° at Nisby, Sumburgh Head and Stornoway, 49° at Malin Head and 52° at Belmullet.

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, 15th June 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.			
				Dirco.	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.	Dirco.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	30.01	49	WSW	2	b	29.98	+0.7	48	41	+7	NE	2	0	*	63	39	-	
	Hernösand ...	30.08	46	Z	0	b	30.01	-1.0	49	44	-1	Z	0	0	*	59	39	-	
	Stockholm ...	29.98	48	NE	2	b	29.91	-0.7	50	44	-7	N	2	0	*	66	45	-	
	Wisby ...	29.97	48	E	4	b	29.89	-0.6	48	46	-9	NE	4	0	*	64	45	-	
	Bodö ...	29.95	59	E	1	b	29.89	-1.3	60	56	+3	ENE	4	0	2	63	50	-	
	Christiansund...	29.88	53	WNW	1	b	29.83	+0.3	58	53	-1	Z	0	0	*	64	48	-	
	Skudesnaes ...	29.80	60	NNW	1	r	29.78	-0.7	57	52	+7	E	1	r	2	66	54	0.59	
	Christiania Fjord (Færder)	29.82	63	ENE	4	c	29.89	-0.0	55	48	-5	ESE	3	0	2	66	54	-	
	Skagen (The Seaw)	29.75	58	Z	0	0	29.81	-0.05	51	49	-5	SSE	4	0	4	68	50	0.04	
	Fanö ...	29.82	49	W	5	c	29.94	+0.1	57	53	+4	W	4	0	*	57	48	0.67	
BRITISH ISLANDS.	Sumburgh Head	29.89	49	NW	1	0	29.88	+0.6	52	50	+6	Z	0	0	1	52	41	0.19	
	Stornoway ..	29.87	56	SW	4	b	29.81	-0.2	51	51	-1	SE	4	0	3	59	46	-	
	Wick ...	29.91	57	S	1	b	29.88	+0.3	56	53	-4	S	2	0	1	63	48	-	
	Nairn ...	29.87	56	NE	3	b	29.84	-0.2	52	49	0	Z	0	0	0	63	44	-	
	Aberdeen...	29.90	57	E	1	b	29.87	+0.1	58	53	+1	ENE	1	0	1	64	42	-	
	Leith ...	29.89	63	W	1	c	29.86	-0.0	55	52	-4	W	1	0	*	72	46	0.03	
	Shields ...	29.90	58	WNW	3	c	29.88	+0.1	53	49	-2	WSW	2	0	2	61	45	-	
	Spurn Head ...	29.92	56	WNW	3	b	29.93	+0.6	53	49	0	W	3	0	2	59	49	0.03	
	York ...	29.95	56	NW	1	c	29.93	+0.3	54	50	+2	WNW	2	0	*	67	44	0.09	
	Loughborough	29.94	63	W	3	b	29.98	+0.7	54	50	-1	W	3	0	*	66	44	-	
GERMANY.	Ardrossan ...	29.91	56	SSW	3	b	29.86	-0.3	52	51	-2	SSW	2	only	2	58	50	0.14	
	Malin Head ...	29.91	53	E	1	0	29.80	-0.7	50	49	-4	NW	3	only	3	56	49	0.23	
	Mullaghmore ...	29.91	57	Z	0	0	29.86	-0.2	51	50	-6	WNW	5	only	3	60	50	0.17	
	Belmullet ...	29.92	55	SW	5	0	29.91	+0.3	52	51	-3	WNW	4	0	*	58	49	0.57	
	Donaghadee ...	29.94	58	WSW	3	b	29.85	-0.4	51	51	-5	S	4	0	2	64	51	0.17	
	Barrow-in-Furness	29.95	55	WNW	2	b	29.92	+0.2	52	50	+1	SSW	3	0	*	58	50	0.04	
	Liverpool (Bldston)	29.99	57	WNW	2	b	29.94	+0.2	52	50	-2	S	1	0	2	60	49	0.02	
	Holyhead ...	30.00	54	SW	3	b	29.90	-0.2	50	50	-5	S	4	rm	4	60	49	0.24	
	Parsonstown ...	29.96	62	Z	0	c	29.88	-0.4	57	56	+4	SW	1	0	*	64	51	0.23	
	Valencia ...	30.00	57	S	4	only	29.96	+0.2	57	56	0	NW	2	only	2	60	54	0.46	
FRANCE & NETHERLANDS.	Roche's Point...	30.01	58	WSW	4	b	29.93	-0.1	57	56	+4	NW	2	only	3	60	52	0.06	
	Pembroke ...	30.03	53	WSW	2	b	29.93	-0.0	53	53	0	SSW	4	df	3	58	51	0.22	
	Scilly ...	30.03	58	W	2	b	30.02	+0.09	56	56	+1	SW	4	TS	4	59	52	0.04	
	Prawle Point ...	30.04	58	W	4	b	30.06	+0.11	52	52	-3	WSW	3	r	3	57	41	0.01	
	Jersey ...	30.07	59	WNW	3	b	30.12	+0.15	55	53	0	WSW	3	only	3	60	50	-	
	Hurst Castle ...	30.02	54	WSW	3	r	30.06	+0.12	53	53	-2	WSW	3	only	2	60	50	0.38	
	Dungeness ...	29.95	54	W	3	c	30.01	+0.10	54	52	+1	NW	3	0	2	57	45	0.05	
	London ...	29.98	57	NW	1	c	30.03	+0.09	53	50	+4	NW	2	0	*	62	47	0.06	
	Oxford ...	30.01	55	W	3	b	30.04	+0.11	51	50	+1	W	1	r	*	60	47	0.15	
	Cambridge ...	29.97	54	W	1	r	29.99	+0.09	54	50	-1	SW	1	0	*	64	44	0.49	
PENINSULAR.	Yarmouth ...	29.94	57	W	2	b	29.96	+0.08	56	50	+4	W	3	0	2	57	45	0.02	
	Cuxhaven ...	29.93	50	W	2	b	29.92	+0.02	55	54	-2	W	4	0	*	7	50	0.14	
	Berlin ...	29.87	57	NW	3	r	29.92	+0.11	55	50	-14	WNW	4	c	*	77	50	0.08	
	Wiesbaden ...	*	*	*	*	*	30.04	+0.11	57	50	-5	N	3	c	*	64	46	0.32	
	Munich ...	30.04	52	W	4	r	30.02	+0.05	47	47	-13	W	5	r	*	68	46	0.59	
	The Helder ...	29.89	56	W	1	0	29.93	+0.04	55	51	-1	WSW	1	0	1	61	52	-	
	Brussels ...	*	*	*	*	*	30.03	+0.11	52	50	-5	WSW	5	0	*	62	48	0.04	
	Cape Gris Nez...	29.96	54	WSW	4	c	29.97	+0.08	53	52	+3	WSW	5	0	2	57	48	0.12	
	Paris ...	30.04	55	SW	3	b	30.13	+0.11	51	43	-4	SW	1	0	*	69	42	0.04	
	Brest ...	30.22	57	NNW	4	b	30.17	+0.17	57	53	+4	SW	5	0	3	59	48	-	

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, 15th June 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.

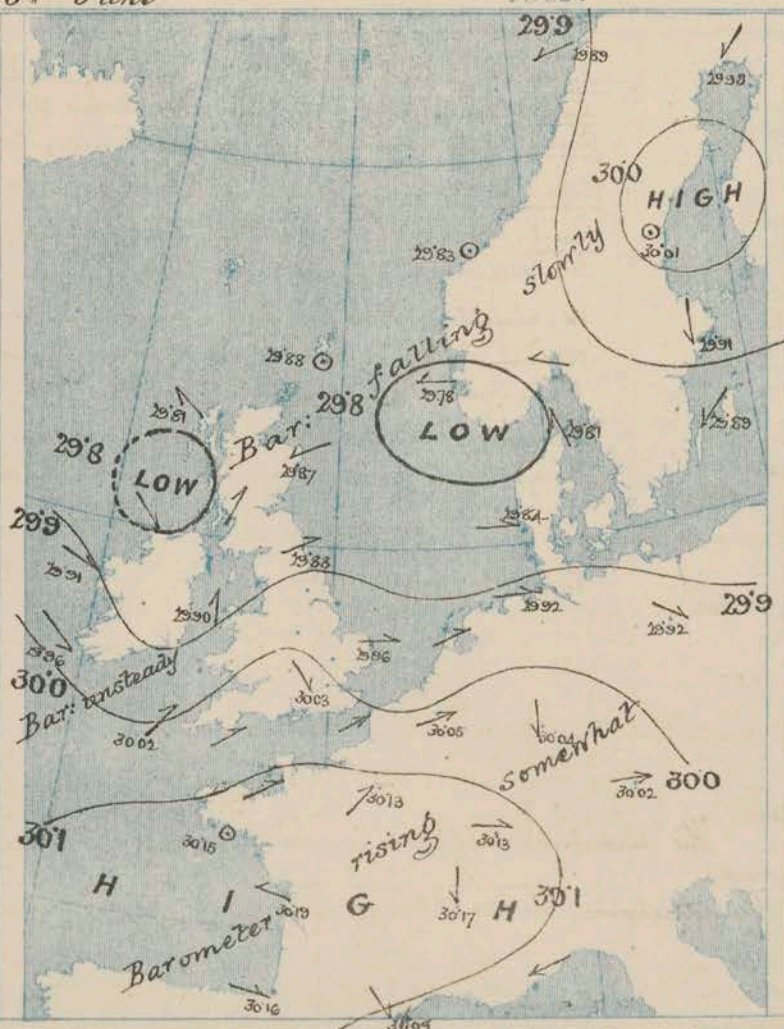
Sea Disturbance — where considerable is shown thus.

▨ = Rough ▨ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shields	29.928
York	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.964
Cambridge	29.967
Yarmouth	29.963



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 June.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	46.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.76
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	56.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	66.2	48.3	56.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.62
Donaghadee	60.0	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.8	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.98
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	3.26
Pembroke	60.3	51.4	55.0	52.9	2.09
Scilly	61.1	53.0	57.2	55.0	1.94
Jersey	64.8	52.6	58.7	55.9	1.83
Hurst Castle	63.9	51.9	57.6	55.4	2.07
Dover	63.3	53.1	58.6	55.1	1.72
LONDON	69.3	50.6	59.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.46
Yarmouth	62.2	51.4	56.9	54.1	2.02

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 the Bay of Biscay and France — 30.0 in. over north of London.
Lowest, 29.8 in. and less, off the west of Scotland and the south and west of Norway.
Gradients slight and variable. Barometer unsteady, falling in most places.

TEMPERATURE

Highest, 69° at Nice, 66° at Lisbon, 60° at Rodø, and 58° at Christiansund.
Lowest, 46° at Haparanda, 51° in the west of Scotland, at the Scaw and in Paris.
It is below 60° in all parts of our Islands, Germany and the greater part of France.

WIND

Very variable in direction, light to moderate in force.
NW² in Ireland, S² to W² and NW² over England — SE² in the north of Scotland.
E² in Norway, SW² in the north of France. Calm at some northern stations.

WEATHER

Varies greatly. Clear at several northern stations — cloudy and unsettled elsewhere, with rain in several places.
Rain fell generally yesterday, hail at several stations, and thunderstorms were reported at many stations.

SEA

Very little disturbed.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure now prevalent is indicative of variable winds, rainy, unsettled weather, and local thunderstorms, rather than of gales or strong winds.

FORECASTS

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

DISTRICTS.

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

FORECASTS.

Variable winds, chiefly from the E²; changeable weather, rain at times.
Varying SW² to NW² winds; rain at times; thunder locally, some bright intervals.

DISTRICTS.

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

FORECASTS.

Wind chiefly NW²; weather showery and unsettled.
NW² and W² breezes, moderate; some local showers, cold, 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.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnæs ...	29.86	52.	51	?	?	2	Holyhead ...	29.99	58	51	SW 3	b	2
Sumburgh Head	29.88	49	48	NW 1	c	3	Valencia ...	30.00	60	55	SW 3	bv	2
Stornoway ...	29.87	55	52	SW 4	bc	3	Scilly ...	30.03	59	54	WNW 2	bc	4
Aberdeen ...	29.90	59	58	S 1	ot	1	Jersey ...	30.03	60	55	ESE 3	b	3
Shields ...	29.89	57	53	E 2	bc	2	Dungeness ...	29.94	52	50	W 3	t	2
Ardrossan ...	29.91	57	53	SSW 3	b	2	London ...	29.92	61	56	NW 2	otlr	*
Main Head ...	29.91	56	51	NE 1	o	0	Yarmouth ...	29.91	54	51	WSW 2	bc	2
Mullaghmore ...	29.91	60	54	W 3	cv	2	Rochefort ...	30.10	64	59	WNW 5	o	2
Belmullet ...	29.93	58	54	WSW 2	o	*							

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

The reports for yesterday morning showed that the distribution of pressure was becoming of a less clearly defined type than had been observed for some time past. Readings were, as a whole, high at the extreme southwestern and extreme northern stations than elsewhere, but gradients were slight and shallow local disturbances were appearing in several places. The wind was consequently very variable, and the weather had fallen into a cloudy showery condition, more especially over the North Sea, while temperature seemed inclined to give way generally. Thunderstorms were reported at the Algerian stations and in the Netherlands and the clouds looked very unsettled in the East of England. Temperature was irregularly distributed and varied from between 70° and 78° in many parts of the Mediterranean to about 50° over the southeast of England and to very little above 40° over some parts of Northern Europe. The highest individual values were 83° at Biskra (Algeria) 76° at Trieste, 75° at Khindisi and Livorno, 74° at Malta and Palermo, 71° at Langunair, 68° at Nice, 62° at Nicotadeu, and 60° at Christiansund; the lowest were 41° at Haparanda, 44° at Archangel 45° at Ulleaborg, 46° at Lumburgh Id. 48° in London and 50° at Oxford.

Later on the weather became very showery over Great Britain and thunderstorms occurred in several places.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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for *Saturday, 16th June* 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 82° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.81	49	NNE	2	b	29.87	- 11	54	47	+ 6	N	2	b	*	54	39	-	
	Hernösand ...	29.95	51	N	0	b	29.91	- 10	49	44	0	S	2	bc	*	66	37	0.04	
	Stockholm ...	29.88	50	ENE	2	bc	29.86	- 08	55	47	+ 5	N	2	bc	*	64	37	-	
	Wisby ...	29.89	46	NE	4	b	29.82	- 07	47	44	- 1	N	4	b	*	57	39	-	
	Bodö ...	29.77	56	NE	2	b	29.90	+ 01	46	44	- 14	WSW	4	b	2	64	46	-	
	Christiansund...	29.93	50	W	2	f	30.02	+ 19	46	45	- 12	WSW	6	f	3	53	45	-	
	Skudesnaes ...	29.97	51	NW	2	0	29.98	+ 20	50	49	- 7	NNW	2	0	3	59	54	-	
	Christiania Fjord (Færdor)	29.88	55	WSW	5	bc	29.88	- 01	57	53	+ 2	WSW	2	b	1	59	54	-	
	Skagen (The Scaw)	29.89	50	W	0	0	29.88	+ 07	52	51	+ 1	N	1	bc	1	52	48	0.08	
	Fanö ...	29.86	49	NW	2	0	29.86	+ 02	53	51	- 4	N	2	0	*	59	48	-	
BRITISH ISLANDS.	Sumburgh Head	29.96	50	NE	2	0	30.03	+ 15	45	44	- 7	NE	1	0	2	55	41	-	
	Stornoway ...	29.95	58	E	4	bc	30.09	+ 28	55	53	+ 14	E	3	b	2	59	41	-	
	Wick ...	30.00	53	N	2	b	30.16	+ 28	51	49	- 5	N	1	0	1	60	45	-	
	Nairn ...	29.97	55	NE	2	bc	30.13	+ 29	49	47	- 3	ESE	1	0	2	62	43	-	
	Aberdeen...	29.94	54	NW	1	0	30.12	+ 25	49	47	- 9	NNW	2	0	2	61	47	-	
	Leith ...	29.91	59	NE	1	c	30.09	+ 23	50	48	- 5	E	3	0	*	62	47	0.03	
	Shields ...	29.87	58	N	2	bc	30.01	+ 13	49	48	- 4	NE	4	0	3	61	46	0.03	
	Spurn Head ...	29.86	52	NNE	3	c	29.92	- 01	51	49	- 2	ENE	4	bc	2	60	47	0.21	
	York ...	29.88	54	ENE	2	0	29.95	+ 02	50	49	- 4	ENE	2	0	*	60	42	0.03	
	Loughborough	29.84	54	E	1	0	29.92	- 06	50	48	- 4	N	3	0	*	57	46	0.12	
GERMANY.	Ardrossan ...	29.91	56	N	2	0	30.08	+ 22	56	54	+ 4	ENE	4	bc	2	58	49	0.01	
	Malin Head ...	29.97	52	NNW	3	0	30.06	+ 26	53	52	+ 3	S	1	bc	1	55	48	0.01	
	Mullaghmore ...	29.99	54	NW	3	c	30.06	+ 20	54	51	+ 3	W	0	c	1	56	50	-	
	Belmullet ...	30.04	53	N	2	0	30.07	+ 16	51	50	- 1	E	1	0	*	55	49	-	
	Donaghadee ...	29.94	54	NNE	4	bc	30.05	+ 20	55	52	+ 4	NNE	3	bc	2	57	46	-	
	Barrow-in-Furness	29.86	54	N	2	bc	30.00	+ 08	52	48	0	N	3	bc	*	54	49	-	
	Liverpool (Bidston)	29.87	54	NE	1	0	29.97	+ 03	51	47	- 1	NNE	3	0	3	56	49	0.04	
	Holyhead ...	29.90	51	NNW	4	0	30.00	+ 10	51	49	+ 1	NNE	4	c	4	61	48	0.03	
	Parsonstown ...	29.97	57	NW	1	0	30.04	+ 16	50	48	- 7	W	0	0	*	66	46	-	
	Valencia ...	30.03	56	N	4	bc	30.02	+ 06	58	53	+ 1	W	0	bc	1	59	49	-	
FRANCE & NETHERLANDS.	Roche's Point...	29.95	61	NNW	4	b	30.01	+ 08	59	55	+ 2	N	2	b	2	64	52	-	
	Pembroke ...	29.89	58	NNE	3	bc	29.95	+ 02	51	51	- 2	NNE	2	f	1	58	48	0.04	
	Scilly ...	29.95	55	NNW	5	f	29.94	- 08	54	52	- 2	NNE	4	0	4	58	52	0.06	
	Prawle Point ...	29.89	55	W	3	0.2g	29.91	- 15	58	55	+ 6	ENE	3	b	2	59	47	0.12	
	Jersey ...	29.96	56	SW	3	0	29.89	- 23	57	53	+ 2	NNW	4	bc	3	58	53	-	
	Hurst Castle ...	29.84	55	WSW	7	f	29.90	- 16	55	53	+ 2	NNE	4	bc	3	56	50	0.04	
	Dungeness ...	29.87	51	WSW	5	r	29.80	- 21	54	50	0	NNE	5	c	4	57	50	0.17	
	London ...	29.82	54	W	2	omd	29.89	- 14	51	49	- 2	ENE	2	0	*	58	50	0.27	
	Oxford ...	29.79	57	NW	3	b	29.92	- 12	49	48	- 2	NNE	1	r	*	59	47	0.21	
	Cambridge ...	29.87	54	SW	1	r	29.89	- 10	51	50	- 3	N	1	0	*	60	47	0.16	
PENIN. IULA.	Yarmouth ...	29.88	56	W	2	c	29.88	- 08	55	52	- 1	NNE	4	b	3	63	50	0.01	
	Cuxhaven ...	29.93	53	NW	7	c	29.93	+ 01	55	53	0	NNE	3	bc	*	59	53	-	
	Berlin ...	29.86	58	NW	2	0	29.76	- 16	53	51	- 2	NW	3	0	*	64	50	0.04	
	Wiesbaden ...	*	*	*	*	*	29.81	- 23	52	51	- 5	NE	1	r	*	63	50	0.51	
	Munich ...	30.05	52	W	3	c	29.85	- 17	55	51	+ 8	SE	3	0	*	55	39	0.47	
	The Helder ...	29.88	55	W	1	c	29.83	- 10	56	52	+ 1	ENE	3	c	3	59	50	-	
	Brussels ...	*	*	*	*	*	29.72	- 31	50	49	- 2	NNE	1	r	*	63	49	0.59	
	Cape Gris Nez...	29.77	51	SW	5	r	29.76	- 21	52	51	- 1	NE	8	0	6	61	50	0.39	
	Paris ...	30.00	61	WSW	3	r	29.75	- 38	57	54	+ 6	WNW	4	0	*	68	57	0.08	
	Brest ...	30.06	57	SW	5	f	29.93	- 18	53	50	- 4	NW	4	0	3	61	48	0.04	

WEATHER CHARTS

for 8 a.m. on Saturday, 16th June.

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 —

→ = force above 10; → = forces 8 to 10;
→ = force to 7; → = forces 3 to 4;

○ = dead calm

Sea Disturbance — where considerable, is shown thus.

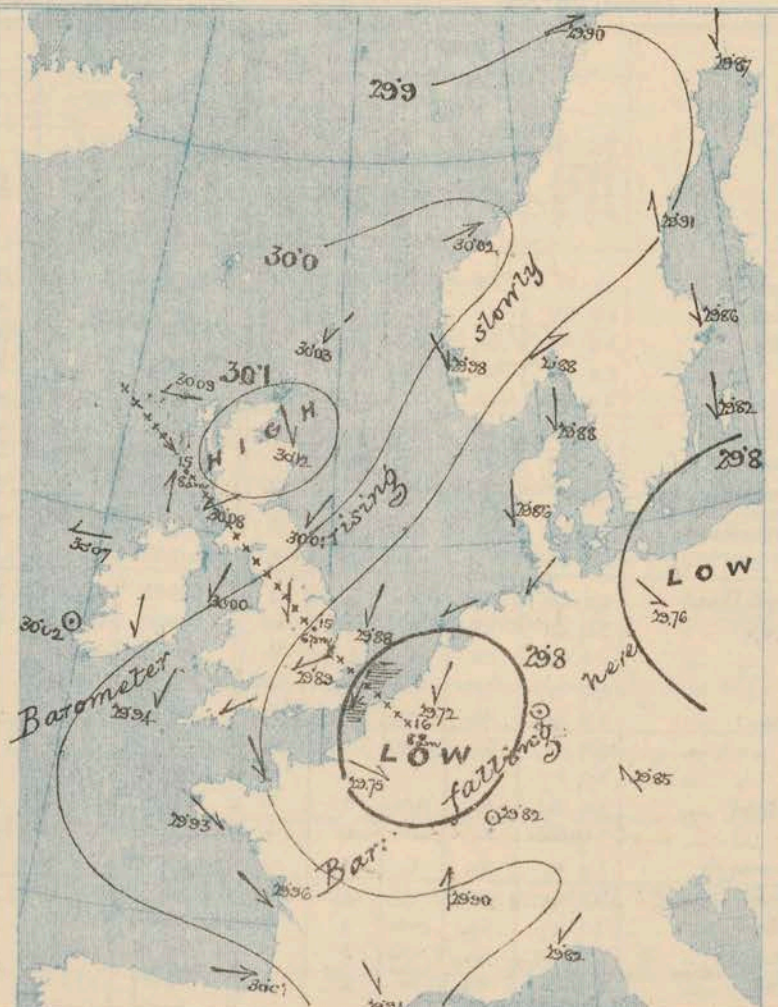
■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shic	29.928
Yor.	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roch's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.984
Cambridge	29.967
Yarmouth	29.963



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.

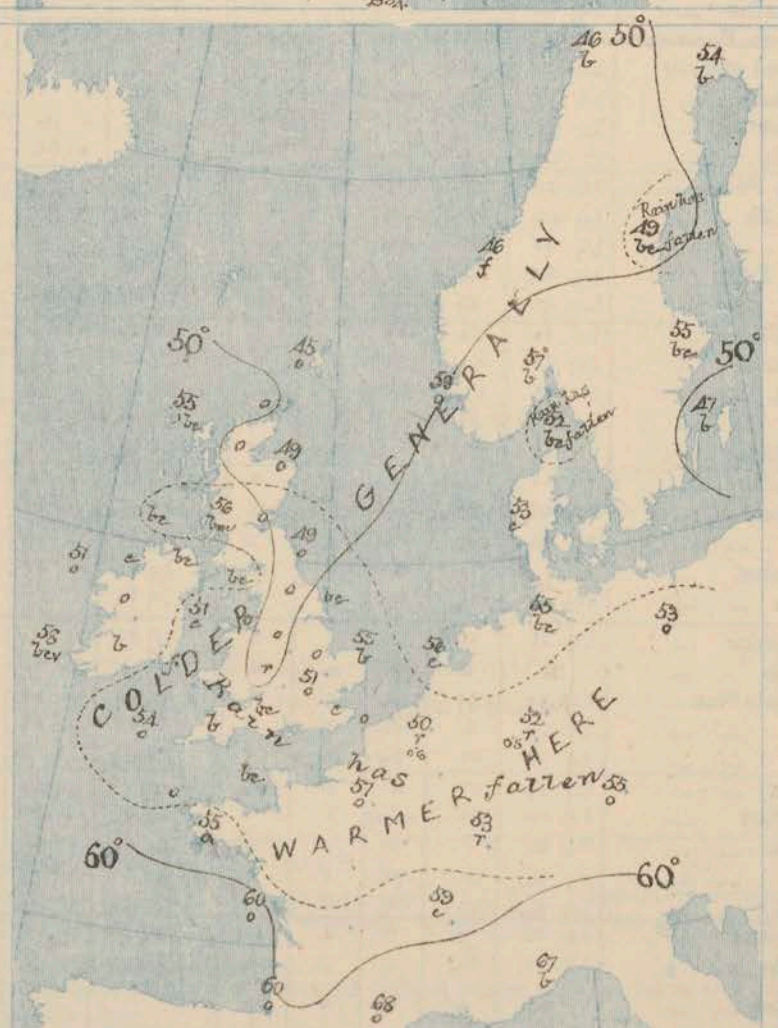
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of June.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	46.0	53.3	51.0	2.89
Wick	58.8	45.7	53.1	50.4	1.75
Nairn	62.1	48.0	54.2	50.4	1.89
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	55.0	52.5	1.84
Shields	60.9	49.1	54.0	51.9	1.82
York	68.2	48.8	56.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.62
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.6	53.1	2.10
Liverpool	63.6	50.9	58.6	52.6	1.96
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roch's Point	64.8	50.8	56.6	53.3	3.26
Pembroke	60.3	51.4	55.0	52.9	2.06
Scilly	61.1	53.0	57.2	56.0	1.94
Jersey	64.8	52.6	58.7	55.9	1.88
Hurst Castle	63.9	51.9	57.6	55.4	2.07
Dover	63.3	58.1	58.6	55.1	1.72
LONDON	69.3	50.6	69.2	54.8	2.12
Oxford	67.1	40.4	56.9	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.40
Yarmouth	62.2	51.4	56.0	54.1	2.02

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 in. to 30.16 in. in an anticyclonic ridge lying over Ireland, Scotland and the south of Norway, 30.0 in. and more over Spain and the south-east of France.
 Lowest, about 29.7 in. in a small depression lying over the Rhine Provinces and Belgium, and also in a larger extent over the south-east of Germany.
 Gradients, very slight in the west and north, moderate over France, England, and the North Sea.
 Barometer rising except over Germany and the south and east of France.

TEMPERATURE

Highest, 67° to 68° at stations in the south of France, 60° at Rochefort and Biarritz, 58° at Valencia, and 57° at Paris.
 Lowest, 48° at Lumbagh Head, 46° in the northwest of Norway, 47° at Nisby, 43° at Skovsund, Århus, and Odense, 50° at York, Loughboro and Newmarket.
 It is very low for the time of year over nearly the whole of our Islands, the North Sea and north of France.

WIND

Calm in Ireland, Light E^{ly} in Scotland. Moderate NE^{ly} over England.
 Strong NE^{ly} in the Straits of Dover. Moderate NW^{ly} over the Bay of Biscay.
 In the northwest of Norway a fresh breeze from SW. has set in.

WEATHER

Bell in Germany, France, Belgium and the south-east of England, with rain in places.
 Fairer and drier in the western and northern districts, though cloudy in some places, foggy in others.
 A cold rain fell generally over England and the south of Scotland yesterday.

SEA

Rough in the Straits of Dover, moderate at Holyhead and Scilly, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A high pressure area has now been developed over Ireland, Scotland, and the southwest of Norway. It is probable that as this moves south-eastwards, a SW^{ly} wind and milder weather will again set in at the Irish and Scotch stations.

Over England the NE^{ly} wind will probably lull with dry weather, and tonight will be very cold, perhaps foggy, especially at the inland stations.

FORECASTS

For the 24 hours ending at NOON on 16th June 1888.

DISTRICTS.

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

FORECASTS.

Wind becoming SW^{ly} again and warmer, fine at first, then showery.
 NW^{ly} to SW^{ly} breezes, light, fine, warmer.
 NE^{ly} winds, falling to a calm and becoming variable later, fine generally. Very cold tonight.

DISTRICTS.



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

FORECASTS.

SE^{ly} to S^{ly} breezes, light, fair to showery, warmer.
 Wind falling very light and variable, fair and cold then warmer.
 Wind shifting to SW or S; fair and warm then less settled.

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 ...	29.86	59	52	ESE 2	r	2	Holyhead ...	29.85	60	58	rw 2	b	3
Santhugh Head ...	29.94	53	50	NE 1	c	1	Valencia ...	30.03	58	55	rw 3	c	3
Stornoway ...	29.91	58	54	E 4	c	3	Scilly ...	29.96	58	57	w 3	of	4
Aberdeen ...	29.90	58	51	NE 1	c	1	Jersey ...	30.04	58	54	sw 2	o	2
Shields ...	29.86	56	53	NE 2	op	2	Dungeness ...	29.99	55	52	w 4	c	3
Ardrossan ...	29.88	57	55	2 0	o	2	London ...	29.95	54	53	sw 3	or	*
Malin Head ...	29.89	53	52	nnw 2	c	3	Yarmouth ...	29.91	63	54	w 3	b	2
Mullaghmore ...	29.93	53	52	nw 5	cv	4	Rocheport ...	30.18	63	63	rw 5	bc	2
Belmullet ...	29.98	55	53	nw 3	o	*							

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

The reports for yesterday morning showed that the distribution of pressure was very complex. The highest readings (30.1 in. and more) lay over France and the Bay of Biscay, but somewhat high readings were reported also over the Black Sea and Northern Russia. A shallow depression lay over the Gulf of Genoa, and a deeper one over Central Russia, whence a secondary hollow extended westward across Germany; a third (shallow) depression lay off the west of Scotland and was moving quickly in a southeasterly direction. The wind was consequently very variable in direction, but not of great strength; the weather was fine over France and the south of Russia, cloudy and unsettled elsewhere, with rain at many stations. Temperature was low in most places, but this also was very irregularly distributed. The highest individual values at 8 am were 85° at Biskra (Algeria) 79° at Cagliari, 77° at Brindisi, 74° at Malta, Livorno, and Oporto, 73° at Langunair, 70° at Barcelona, 63° at Nice, 66° at Lisbon, 60° at Rochefort and also at Bodo; the lowest were 46° at Archangel, 47° at Munich, 48° to 50° at the Swedish stations, and 50° at Malin Head.

Later in the day the depression in the northwest caused rain all over England, the south of Scotland and the northeast of France, as its centre moved quickly in a southeasterly direction. In its rear the wind became NE³.

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 3 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 17th June 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 ..	29.80	55	W	2	b	29.82	-.05	66	54	+	12	N	2	b	*	66	37	—
	Hernösand ...	29.84	55	S	2	c	29.88	-.03	56	50	+	7	NNE	2	c	*	66	37	—
	Stockholm ...	29.81	57	NE	2	bc	29.78	-.08	48	46	—	7	N	4	r	*	70	41	0.04
	Wisby ...	29.82	45	ENE	4	b	29.81	-.01	49	45	+	2	NNE	4	o	*	50	41	—
	Bodö ...	29.97	49	WSW	4	b	30.01	+.11	47	43	+	1	W	2	c	1	50	43	—
	Christiansund...	30.07	49	NNW	2	o	30.06	+.04	50	48	+	4	ENE	1	o	3	50	46	—
	Skudesnaes ...	29.88	49	NNW	8	bc	29.92	-.06	57	54	+	7	NNW	1	b	2	50	48	—
	Christiania Fjord (Færdø)	29.82	64	NNW	3	c	29.90	+.02	56	49	—	1	NNE	5	b	2	64	54	—
	Skagen (The Scaw)	29.81	26	NNW	1	o	29.84	-.04	57	54	+	5	NE	1	b	2	68	32	—
	Fanö ...	29.86	53	NNW	4	b	29.88	+.02	50	50	—	3	NNW	4	o	*	63	50	—
BRITISH ISLANDS.	Sumburgh Head	30.14	48	Z	0	o	30.09	-.05	51	49	+	6	NNW	3	c	3	52	45	—
	Stornoway ...	30.12	56	E	3	b	30.14	+.05	57	54	+	2	N	2	b	2	57	42	—
	Wick ...	30.13	58	NNW	1	f	30.13	-.03	54	51	+	3	S	1	b	0	58	41	—
	Nairn ...	30.13	52	E	1	b	30.14	+.01	52	49	+	3	Z	0	b	0	56	41	—
	Aberdeen...	30.13	56	NNE	1	b	30.12	.00	53	49	+	4	SSW	1	b	1	58	44	—
	Leith ...	30.12	54	E	2	bc	30.14	+.05	57	52	+	7	SW	1	bm	*	57	45	—
	Shields ...	30.08	49	NNE	2	o	30.12	+.11	47	46	—	2	N	3	o	3	53	44	—
	Spurn Head ...	30.03	52	NE	4	c	30.08	+.15	49	46	—	2	NNE	4	c	3	55	45	0.02
	York ...	30.05	57	N	2	b	30.12	+.17	49	47	—	1	N	3	o	*	60	44	—
	Loughborough	30.02	58	NE	2	o	30.10	+.18	48	46	—	2	NNW	3	ogap	*	64	46	—
GERMANY.	Ardrossan ...	30.09	65	ENE	3	b	30.14	+.06	56	53	+	0	NNW	1	b	1	65	46	—
	Malin Head ...	30.09	53	ESE	1	b	30.18	+.12	55	52	+	2	NNW	1	b	0	56	49	—
	Mullaghmore ...	30.07	60	E	5	b	30.18	+.12	55	52	+	1	E	1	bm	2	62	45	—
	Belmullet ...	30.07	60	ENE	2	b	30.18	+.11	57	53	+	6	E	1	b	*	60	47	—
	Donaghadee ...	30.11	58	NE	3	b	30.16	+.11	54	52	—	1	N	3	b	1	59	52	—
	Barrow-in-Furness	30.07	58	NE	1	bc	30.11	+.11	54	49	+	2	ESE	3	b	*	60	40	—
	Liverpool (Bidston)	30.04	55	ENE	2	bc	30.12	+.15	55	49	+	4	ESE	1	b	2	60	46	—
	Holyhead ...	30.05	56	NE	3	bc	30.12	+.12	55	50	+	4	NNE	2	bm	2	60	49	—
	Parsonstown ...	30.06	59	Z	0	c	30.17	+.13	58	53	+	8	Z	0	b	*	62	43	—
	Valencia ...	30.03	60	NNW	2	c	30.11	+.09	61	54	+	3	NE	1	bm	3	65	53	—
FRANCE & NETHERLANDS.	Roche's Point...	30.05	56	ESE	2	c	30.12	+.11	58	55	—	1	ESE	4	b	4	61	50	—
	Pembroke ...	29.99	56	NE	3	c	30.11	+.16	57	55	+	6	NNW	1	bm	0	60	50	—
	Scilly ...	29.97	55	NE	4	bc	30.06	+.12	57	54	+	3	E	3	cm	3	58	50	—
	Prawle Point ...	29.99	54	W	1	o	30.08	+.17	58	54	+	0	ENE	2	b	2	60	47	—
	Jersey ...	29.96	60	NNW	3	bm	30.06	+.17	59	54	+	2	NE	3	bm	3	61	47	—
	Hurst Castle ...	29.97	58	SSE	2	rc	30.07	+.17	52	52	—	3	NNE	2	c	2	62	48	0.02
	Dungeness ...	29.90	56	NE	4	b	30.00	+.20	51	49	—	3	NE	3	o	2	62	47	—
	London ...	29.97	58	N	2	c	30.05	+.16	51	47	—	0	NNE	3	o	*	62	48	0.02
	Oxford ...	30.03	63	NE	4	c	30.09	+.17	48	46	—	1	NNE	3	od	*	63	47	—
	Cambridge ...	29.98	58	NE	1	o	30.07	+.18	49	48	—	2	N	1	r	*	62	45	0.09
PENINSULA.	Yarmouth ...	29.97	54	NNE	4	bc	30.02	+.14	50	49	—	3	NNE	3	bcv	3	58	48	0.01
	Cuxhaven ...	29.90	53	N	1	bc	29.91	-.02	56	55	+	1	N	4	o	*	59	53	0.06
	Berlin ...	29.89	49	NNW	2	r	29.87	+.11	52	49	—	1	NNE	2	o	*	57	48	0.28
	Wiesbaden ...	*	*	*	*	*	29.78	-.03	54	52	+	2	Z	0	r	*	57	52	0.55
	Munich ...	29.79	54	Z	0	r	29.89	+.04	50	49	—	5	SW	3	r	*	61	48	0.20
	The Helder ...	29.90	53	NNE	4	o	29.96	+.13	51	50	—	5	N	4	o	3	57	50	—
	Brussels ...	*	*	*	*	*	29.91	+.19	52	51	+	2	NE	3	r	*	56	50	0.16
	Cape Gris Nez...	29.90	53	NE	8	o	29.99	+.23	51	49	—	1	NE	7	o	5	59	48	0.04
	Paris ...	29.88	55	NNW	3	a	29.99	+.24	52	49	—	5	NNW	3	bc	*	60	49	—
	Brest ...	29.97	59	NE	3	b	30.06	+.07	53	50	—	0	E	4	b	4	63	46	—

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on Sunday, 17th June

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 6 to 7; →→ = forces 4 to 5;

○ = dead calm

Sea Disturbance—where considerable is shown thus.

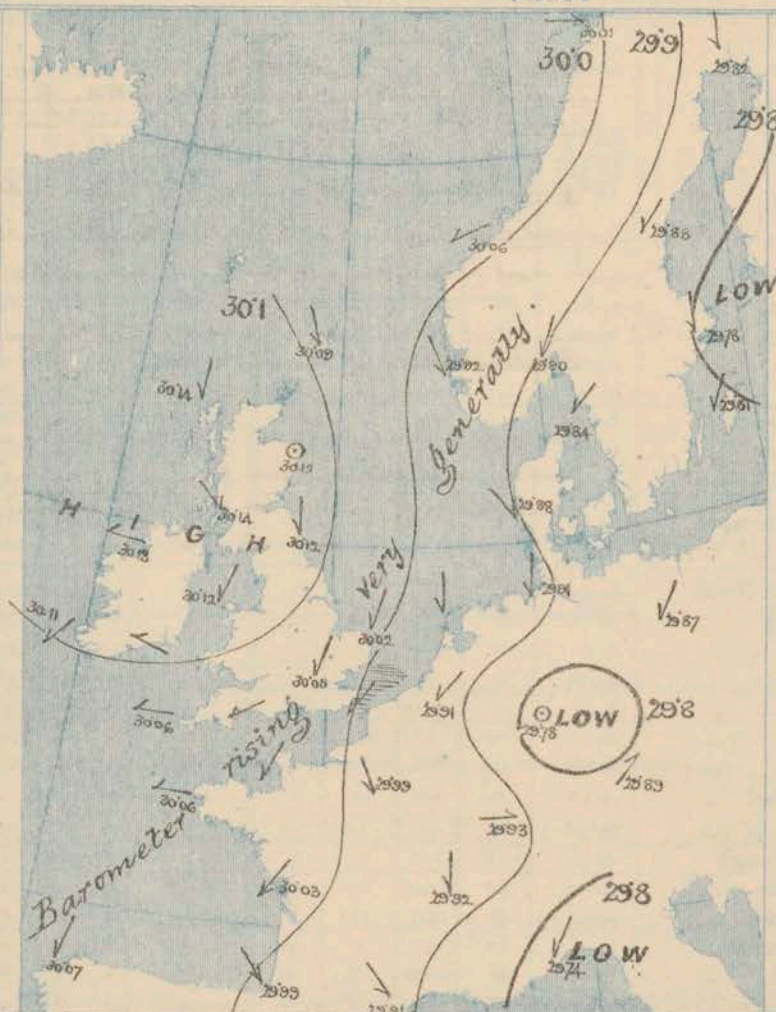
— Rough — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of June

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shir	29.928
Yor.	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.964
Cambridge	29.967
Yarmouth	29.963



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.

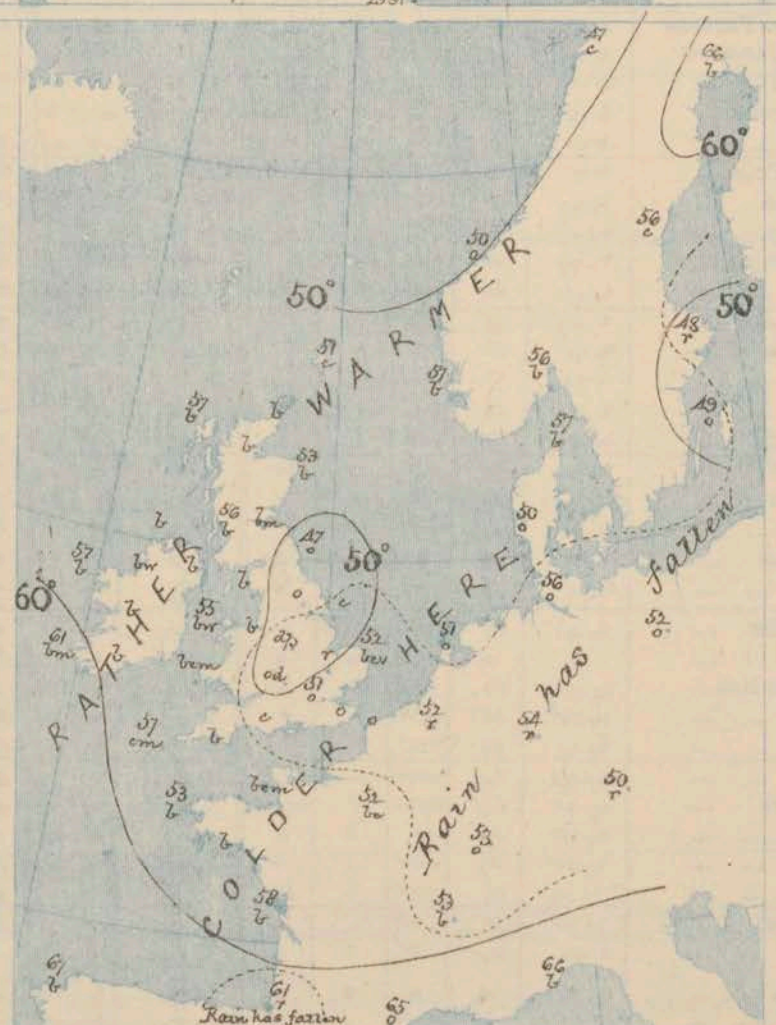
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of June.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	46.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.75
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	56.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	56.2	48.3	56.1	52.7	2.45
Loughborough	58.7	49.0	58.1	54.1	2.43
Ardrossan	52.0	49.7	55.1	52.0	2.62
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.8	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.96
Parsonstown	65.0	48.2	55.8	52.2	2.40
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	2.26
Pembroke	60.3	51.4	55.0	52.9	2.08
Scilly	61.1	58.0	57.2	55.0	1.94
Jersey	64.8	52.6	58.7	55.9	1.82
Hurst Castle	63.9	51.9	57.6	55.4	2.07
Dover	63.3	53.1	58.6	55.1	1.72
LONDON	69.3	50.6	59.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.23
Cambridge	68.8	48.5	58.0	54.7	2.40
Yarmouth	62.2	51.4	56.9	54.1	2.02

NOTE—The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 30 years 1856—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.1 ins: and more, over Scotland, Ireland, Wales, and the north of England. Lowest, 29.8 ins: and less, over the Gulf of Genoa, Northern Germany and to the eastward of Stockholm [It is apparently still lower over Finland]. Gradients slight. Barometer rising slowly in our Islands and west of France; falling slowly over the Gulf of Genoa and also over the Baltic.
TEMPERATURE	Highest, 66° at Kice, 65° at Perpignan, 62° at Lisbon, 61° at Biarritz, and also at Valencia, Ireland. Lowest, 47° at Bodo and at Shields, 48° at Stockholm, Loughborough and Oxford, 50° at Munich and Christiania. In most places it is very low for the time of year.
WIND	is as a whole N ^W but drops to N.E. and E. over the southern parts of our Islands and the Bay of Biscay, to W. at Belfort and to S.W. at Munich.
WEATHER	Fine and bright at the Scotch and Irish stations, as well as in many parts of France and the south of Norway; dull elsewhere, with cold rain over Central England and at Biarritz, Brussels, Wiesbaden and Stockholm. [Some showers of rain fell locally in the south-east of England yesterday, and a considerable amount over Germany & Belgium.]
SEA	Very little disturbed

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

for the 24 hours ending at NOON on 18th June 1888.

DISTRICTS.

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

FORECASTS.

NONE ISSUED.

DISTRICTS.



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

WARNINGS

FORECASTS.

NONE ISSUED.

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...							Holyhead ...	30.07	57	52	NE	4	c	4	
Sumburgh Head ...	30.14	50	49	NNW	1	c	1	Valencia ...	30.03	65	58	W	2	bcr	2
Stornoway ...	30.12	50	51	NE	3	b	2	Scilly ...	29.96	58	55	NNE	5	b	4
Aberdeen ...	30.13	55	51	E	2	b	2	Jersey ...	29.95	59	54	NNE	3	bcr	
Shields ...	30.08	53	50	NNE	3	c	3	Dungeness ...	29.88	60	54	NNE	5	bcr	4
Ardrossan ...	30.09	65	56	ENE	4	b	2	London ...	29.93	60	55	N	4	o	*
Malin Head ...	30.09	54	50	ESE	3	b	2	Yarmouth ...	29.95	57	53	NNE	4	bcr	4
Mullaghmore ...	30.06	60	56	ENE	3	c	2	Rocheport ...	29.95	68	62	NNW	5	bcr	2
Belmullet ...	30.07	58	55	NE	2	b	*								

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

The reports for yesterday morning showed that pressure varied between 30.0 ins. and 30.5 ins. over Spain, Ireland, Scotland, and the coast of Norway to about 29.5 ins. in a depression, the centre of which lay near Dantzig, and to rather below 29.8 ins. in two smaller systems, one lying over Belgium and the Rhine provinces, the other over the Gulf of Genoa and northern Italy. The wind was consequently N^W (NW to NE) over Western Europe, and blew strongly on some of the Baltic coast, and over the eastern part of the English Channel. In Central and Eastern Europe it was lighter, and variable in direction. The weather was cloudy in many places and rain fell in several localities though the fall over the British Isles had ceased at all but the southeastern stations. Temperature was low except over the Mediterranean—very low in England. The highest individual values at 8 a.m. were 82° at Cagliari, 77° at Khiridiri, 76° at Malta, 74° at Palermo, 71° at Rome, 68° at Perpignan, 67° at Nice, 63° at Lisbon, and 60° at Rochefort; the lowest were 45° at Sumburgh Head, 46° at Rode, Christianmunde, and Kinspio, 47° at Wisby, 49° at Hirtland, Shields, and Oxford, 51° in London, 53° at Berlin.

Later in the day, the weather became bright over nearly the whole of the British Isles, but temperature remained very low except in the south.

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 18th June 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 ..	29.84	62	N	2	b	29.89	+ .07	65	55	—	1	Z	0	b	*	73	46	—
	Hernösand ...	29.91	61	Z	0	bc	29.97	+ .04	62	53	+	6	Z	0	b	*	70	43	—
	Stockholm ...	29.80	49	ENE	2	c	29.95	+ .17	54	51	+	6	Z	0	b	*	54	39	—
	Wisby ...	29.91	49	S	4	r	29.91	+ .10	51	49	+	2	S	4	o	*	54	41	0.20
	Bodö ...	30.04	49	N	1	o	30.06	+ .05	47	46	—	0	WSW	5	r	3	50	45	—
	Christiansund...	30.04	53	NNE	3	b	30.18	+ .12	49	46	—	1	NW	1	o	2	54	45	—
	Skudesnaes ...	29.95	50	NNW	6	b	30.02	+ .10	51	49	—	6	NNW	6	bc	4	59	50	—
	Christiania Fjord (Færder)	29.89	63	WSW	3	b	29.96	+ .06	60	54	+	4	N	4	bc	1	?	57	—
	Skagen (The Seaw)	29.88	58	NNW	1	b	29.95	+ .11	58	54	+	1	N	1	c	0	70	50	—
	Fanö ...	29.93	48	NNW	4	o	29.98	+ .10	52	51	+	2	NNW	1	m	*	57	46	—
BRITISH ISLANDS.	Sumburgh Head	30.10	52	NNW	3	bc	30.27	+ .18	50	46	—	1	NNW	2	b	3	55	46	—
	Sternoway ...	30.21	54	E	3	o	30.33	+ .19	54	50	—	3	E	4	bc	3	58	46	—
	Wick ...	30.12	57	N	3	b	30.34	+ .21	52	50	—	2	NE	3	op	2	68	48	0.01
	Nairn ...	30.13	62	E	2	b	30.31	+ .17	51	51	—	1	E	2	o	2	68	49	0.01
	Aberdeen...	30.16	59	SSW	1	b	30.28	+ .16	51	48	—	2	NNE	2	o	2	64	50	—
	Leith ...	30.14	62	E	2	b	30.27	+ .13	58	53	+	1	ESE	2	b	*	64	42	—
	Shields ...	30.18	50	NE	3	c	30.24	+ .12	53	48	+	3	N	3	o	4	55	44	—
	Spurn Head ...	30.11	51	NNE	3	c	30.16	+ .08	51	48	+	2	NNE	5	cg	4	50	47	—
	York ...	30.13	55	NNE	2	b	30.23	+ .11	51	47	+	2	NNE	3	o	*	57	41	—
	Loughborough	30.13	59	ENE	2	b	30.21	+ .11	49	46	+	1	N	3	o	*	61	39	—
GERMANY.	Ardrossan ...	30.11	63	WNW	3	b	30.24	+ .10	57	53	+	1	SW	1	bm	1	69	49	—
	Malin Head ...	30.20	58	NNW	2	b	30.29	+ .11	51	49	—	4	NNW	3	o	3	59	50	—
	Mullaghmore ...	30.19	64	NNW	3	b	30.30	+ .12	53	50	—	2	NNE	3	o	2	67	50	—
	Belmullet ...	30.21	60	NE	2	b	30.32	+ .14	54	50	—	3	ENE	2	b	*	62	49	—
	Donaghadee ...	30.17	61	N	3	b	30.27	+ .11	56	54	—	2	NNE	2	b	1	64	53	—
	Barrow-in-Furness	30.10	61	NW	3	b	30.18	+ .07	57	52	+	3	NE	2	b	*	62	51	—
	Liverpool (Bidston)	30.13	61	WNW	2	b	30.22	+ .10	57	51	—	3	NE	1	b	2	64	51	—
	Holyhead ...	30.15	54	NNW	2	bc	30.22	+ .10	55	53	—	0	NNE	1	bc	2	58	50	—
	Parsonstown ...	30.16	70	Z	0	bc	30.28	+ .11	57	53	—	1	N	1	b	*	70	47	—
	Valencia ...	30.19	60	N	1	cm	30.25	+ .14	66	61	+	5	NNE	1	br	1	66	49	—
FRANCE & NETHERLANDS.	Roche's Point...	30.18	60	ESE	1	b	30.22	+ .10	61	57	+	3	NNE	1	b	2	63	50	—
	Pembroke ...	30.11	60	N	3	b	30.18	+ .07	62	60	+	5	SE	1	bm	0	63	50	—
	Seilly ...	30.11	60	NNE	2	c	30.17	+ .11	56	54	—	1	ESE	1	o	2	61	50	—
	Prawle Point ...	30.14	52	ESE	2	o	30.19	+ .11	57	53	—	1	Z	0	b	0	60	44	—
	Jersey ...	30.10	57	NNE	3	b	30.17	+ .11	56	52	—	3	NE	2	cg	2	61	50	—
	Hurst Castle ...	30.13	55	NNE	2	cg	30.17	+ .10	54	52	+	2	SW	1	bm	0	58	42	—
	Dungeness ...	30.07	54	E	2	c	30.13	+ .13	50	47	—	1	NNE	3	o	2	55	42	0.02
	London ...	30.12	52	NNW	2	o	30.17	+ .12	50	46	—	1	NE	2	o	*	55	45	—
	Oxford ...	30.16	51	N	1	b	30.19	+ .10	48	46	—	0	NE	3	o	*	53	39	—
	Cambridge ...	30.13	52	N	1	o	30.17	+ .10	49	47	—	0	N	1	o	*	54	45	—
PENIN- SULA.	Yarmouth ...	30.09	51	N	3	c	30.13	+ .11	49	48	—	3	N	3	odp	3	54	46	0.01
	Cuxhaven ...	29.98	50	NW	4	o	30.01	+ .10	52	52	—	4	NW	3	o	*	56	50	—
	Berlin ...	29.89	64	ESE	2	o	29.93	+ .06	61	58	+	9	N	3	o	*	72	57	0.04
	Wiesbaden ...	*	*	*	*	*	29.98	+ .10	54	51	—	0	N	1	o	*	57	52	0.35
	Munich ...	29.96	50	SW	2	c	29.94	+ .05	49	49	—	1	SW	5	r	*	55	46	1.02
	The Helder ...	30.03	50	N	3	o	30.04	+ .08	51	49	—	0	N	3	o	3	54	48	—
	Brussels ...	*	*	*	*	*	30.10	+ .19	49	47	—	3	NNW	3	r	*	61	48	0.04
	Cape Gris Nez...	30.06	52	NE	5	c	30.12	+ .13	50	47	—	1	NE	4	c	3	57	50	0.04
	Paris ...	30.04	57	NW	3	o	30.17	+ .18	51	48	—	1	N	1	o	*	62	49	—
	Brest ...	30.11	60	ENE	4	c	30.18	+ .12	52	49	—	1	NE	3	b	2	64	45	—

WEATHER CHARTS

for 8 a.m. on Monday, 18th June, 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.

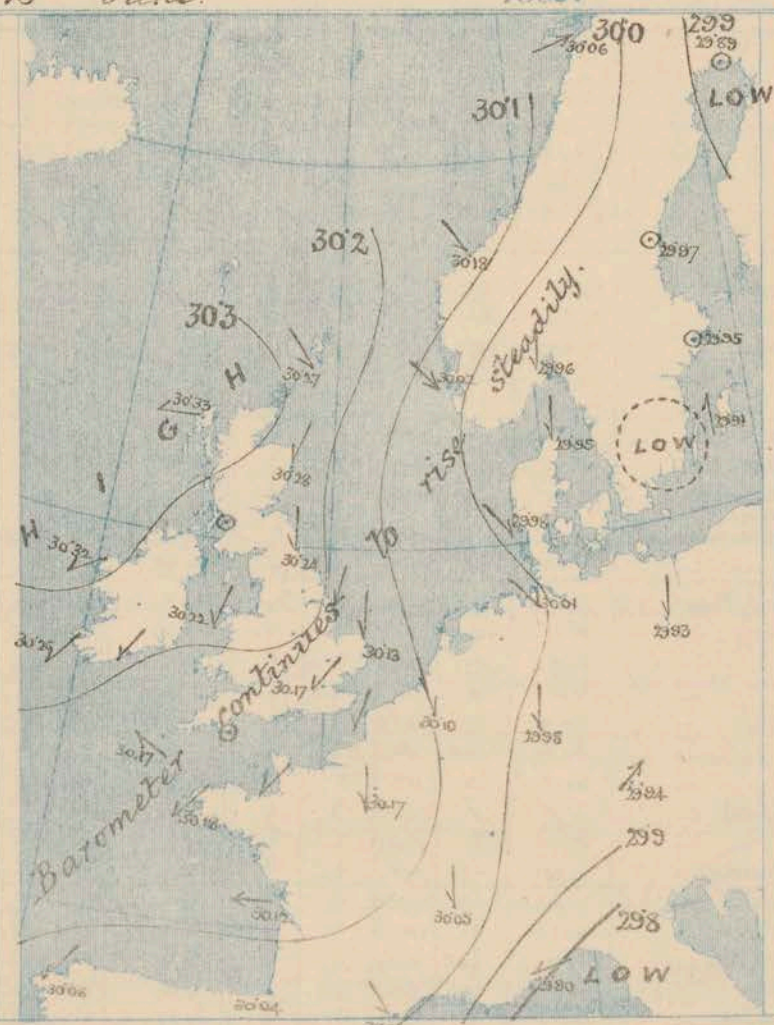
Sea Disturbance — where considerable, is shown thus.

▨ = Rough ▨ = High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
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Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.962
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.964
Cambridge	29.967
Yarmouth	29.963



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.20 ins. to 30.33 ins. in a high pressure area lying over Ireland, Scotland and the north of England - 30.4 ins. and more over Portugal. Lowest 29.9 ins. over the south of Sweden; 29.8 ins. and less over the Gulf of Genoa. Gradients slight except over Norway and the southeast of France. Barometer rising slowly, - less in the south than elsewhere.
TEMPERATURE	Highest 69° at Perpignan, 67° at Lissunna, 66° at Valencia, 65° at Haparanda, 64° at Nice and Biarritz, 62° at Hernisand, 60° at Faerder. Lowest 47° at Bodø, 48° at Oxford, 49° at Cambridge, Loughborough and Lohristinnarod. It has been as low as 39° in the shade, and 33° on the grass at Oxford during the night.
WIND	SW at Bodø - N ^{ly} (NW to NE elsewhere) and light to moderate in force. On the eastern shores of the North Sea it tends to circulate round a shallow depression lying over south of Sweden, while over the Bay of Biscay it is quite NE ^{ly} .
WEATHER	Clear and bright at our southwestern, western and northern stations, in the west of France and over Sweden. Cloudy and dark in most places, with slight drizzle in some localities. At Bodø rain is falling steadily.
SEA	Slight or smooth on all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Very slight misty showers are still likely to be fall occasionally over the eastern parts of our area, with very low temperature and moderate N^{ly} breezes; in the west, however, bright dry weather is still probable.

FORECASTS

For the 24 hours ending at NOON on 19th June 1883.

DISTRICTS.

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

FORECASTS.

N^{ly} and NE^{ly} winds, moderate; dull, cold, slight drizzle at times.

NE^{ly} breezes, light; dull, cold, clearing and becoming very cold at night.

DISTRICTS.

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

FORECASTS.

N^{ly} and NE^{ly} breezes, light; fine, cold.

Same as N^{ly} 4 and 5.

NE^{ly} and variable airs; fine.

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 ...							Holyhead ...	30.15	55	59	N	3	2
Samburgh Head ...							Valencia ...						
Stornoway ...	30.19	57	54	N	3	2	Scilly ...						
Aberdeen ...							Jersey ...	30.10	60	57	NNW	3	3
Shields ...							Dungeness ...	30.06	52	57	NE	3	2
Ardrossan ...							London ...						*
Malin Head ...	30.10	59	56	N	2	0	Yarmouth ...						
Mullaghmore ...							Rocheport ...						
Belmullet ...	30.22	60	55	NE	1	6							

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 nearly 30.2 ins.) over the British Islands and western parts of France and Spain, lowest (29.6 ins. to 29.7 ins.) over Central and western Russia. The gradients were therefore slight and favourable for N^W winds, which prevailed very generally, and were of little force. Slight showers of cold misty rain were reported over several parts of Germany, the Netherlands and east of France, as well as at some of the Baltic stations, and in many other places the sky was very cloudy, though the air was dry. In the west and north of our Islands, however, in Finland, the south of Norway and in Southern Russia the weather was clear and bright. Temperature was irregularly distributed, high over the northern shores of the Gulf of Bothnia, and rather so in the south of Ireland, low elsewhere - especially over central England, the south of Sweden and central Germany. The highest individual values reported were 80° at Biskra (Algeria), 79° at Baghara, 78° at Brindisi, 77° at Constantinople, 75° at Sanguinaire and Malta, 70° at Rome, 69° at Florence, 61° at Valencia (Ireland), and 66° at Haparanda (Gulf of Bothnia). The lowest were 47° at Shields, 48° at Oxford, Loughborough, Stockholm and Breslau, 49° at Wisby, Spurn Head and Cambridge, 51° in London, and 52° in Paris and at Berlin.

During the day there was little change.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 10TH TO THE 16TH JUNE 1888.

The weather experienced over the United Kingdom during this week was of an unsettled type - very rainy at first in the west and northwest, but afterwards becoming wet, thundery and cold over Great Britain also. On Sunday 10th a large depression lay off our northern coasts, and W^W to NW^W winds (strong in the north, but moderate in the south) prevailed over the Kingdom. The weather was showery in Ireland, and the west and north of Scotland, fair elsewhere. On Monday (11th) a new depression approached Ireland, and large quantities of rain fell in that country and the west of Scotland, followed by showers over England during the next 24 hours.

A great change then occurred. The depression in the northwest filled up slowly, and the weather for some hours became fine and warm generally. On the night of the 13th however, a complex series of depressions was formed over Germany, the North Sea and east of England, causing cold rain and sharp thunderstorms in those regions on Thursday, with variable, but chiefly NW^W winds. Early on Friday a new, but shallow depression arrived off the west of Scotland, and this, travelling in a southeasterly direction brought more rain and very dark gloomy weather to all but the Irish and northern Scotch stations. The centre of the disturbance passed over our southeastern counties early on Saturday morning, and at the close of the week NE^W breezes, with cold but fair weather prevailed in all parts of our Islands; the depression was passing away towards Germany, and an area of high pressure, of slight intensity, had appeared in the North.

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 19th June 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.			
				Dirco.	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.	Dirco.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	29.98	58	WSW	4	C	30.08	+ .19	56	48	—	9	N	4	b	*	70	50	—
	Hernösand ...	30.06	68	NNW	2	b	30.23	+ .26	59	49	—	3	NNE	2	bc	*	81	48	—
	Stockholm ...	30.04	55	Z	0	b	30.10	+ .15	62	52	+	8	WSW	2	b	*	68	41	—
	Wisby ...	30.08	49	ESE	4	b	30.12	+ .21	65	52	+	4	NE	2	b	*	59	41	0.04
	Bodö ...	30.18	47	WSW	4	0	30.23	+ .14	45	44	—	2	N	5	r	3	50	42	—
	Christiansund...	30.18	54	NE	4	C	30.30	+ .12	53	50	+	4	NE	1	b	3	55	46	—
	Skudesnaes ...	30.05	51	NNW	8	b	30.12	+ .10	60	55	+	9	NNW	2	bc	3	2	50	—
	Christiania Fjord (Færdar)	29.99	65	W	3	b	30.15	+ .19	60	52	0	NNE	5	b	1	70	57	—	
	Skagen (The Scaw)	30.02	60	Z	0	bc	30.10	+ .15	61	56	+	3	E	1	b	1	72	54	—
	Fanö ...	30.06	49	NNW	4	m	30.04	+ .06	56	55	+	4	NN	4	C	*	64	46	—
BRITISH ISLANDS.	Sumburgh Head	30.33	52	N	2	bc	30.36	+ .09	51	47	+	1	N	2	C	3	55	43	—
	Stornoway ...	30.38	52	E	4	b	30.38	+ .05	52	50	—	2	E	5	C	4	55	45	—
	Wick ...	30.40	55	N	2	bc	30.38	+ .04	53	50	+	1	NE	2	0	1	58	41	—
	Nairn ...	30.35	54	E	2	C	30.39	+ .08	51	47	0	NNE	1	0	2	65	45	—	
	Aberdeen...	30.35	55	N	2	b	30.36	+ .08	51	46	0	N	4	bc	2	59	44	—	
	Leith ...	30.33	55	E	3	bc	30.36	+ .09	54	49	—	4	E	2	b	*	59	44	—
	Shields ...	30.30	48	N	3	0	30.30	+ .06	48	45	—	2	N	3	0	4	53	44	—
	Spurn Head ...	30.21	50	N	5	0	30.24	+ .08	49	47	—	2	NNE	5	0	4	51	47	0.01
	York ...	30.27	51	N	2	0	30.28	+ .05	50	46	—	1	N	4	bc	*	60	43	—
	Loughborough	30.23	57	NE	4	C	30.26	+ .05	49	46	0	NNE	3	og	*	65	47	—	
GERMANY.	Arrossan ...	30.27	44	E	3	b	30.33	+ .09	57	51	0	NE	2	bc	1	66	45	—	
	Malin Head ...	30.28	56	NNW	2	b	30.31	+ .02	51	51	+	1	ESE	2	cm	1	57	50	—
	Mullaghmore ...	30.28	59	N	5	b	30.30	+ .00	56	52	+	3	ENE	4	C	2	60	52	—
	Belmullet ...	30.32	53	ENE	4	0	30.28	— .04	53	56	+	5	ESE	1	0	*	59	50	—
	Donaghadee ...	30.30	60	NE	2	b	30.34	+ .07	54	51	—	2	ENE	2	b	1	61	45	—
	Barrow-in-Furness	30.23	62	NNE	3	b	30.27	+ .09	53	48	—	4	NNE	2	b	*	65	44	—
	Liverpool (Bidston)	30.24	63	E	1	C	30.29	+ .07	53	46	+	3	ENE	1	bm	4	69	45	—
	Holyhead ...	30.25	54	N	3	b	30.27	+ .05	53	49	0	NE	3	b	2	59	47	—	
	Parsonstown ...	30.23	69	Z	0	bc	30.27	— .01	58	53	+	1	Z	0	b	*	69	48	—
	Valencia ...	30.25	67	N	3	bm	30.24	— .01	65	60	—	1	Z	0	bm	1	72	48	—
FRANCE & NETHERLANDS.	Roche's Point...	30.24	60	SE	1	b	30.24	+ .02	62	58	+	1	ESE	3	b	3	66	57	—
	Pembroke ...	30.18	60	NE	3	bc	30.22	+ .04	56	55	—	6	SE	2	bm	1	65	55	—
	Scilly ...	30.17	59	N	2	b	30.18	+ .01	59	55	+	3	E	2	C	3	62	53	—
	Prawle Point ...	30.20	57	E	1	b	30.22	+ .03	51	49	—	6	ENE	3	0	2	61	48	—
	Jersey ...	30.17	59	NE	3	bc	30.18	+ .01	54	50	—	2	NE	3	om	3	62	52	—
	Hurst Castle ...	30.18	58	ENE	2	bc	30.22	+ .05	50	48	—	4	NE	3	C	1	60	48	—
	Dungeness ...	30.15	52	NE	3	0	30.16	+ .03	49	48	—	1	NNE	3	0	2	53	48	—
	London ...	30.20	52	NE	2	og	30.21	+ .04	49	47	—	1	NE	3	0	*	55	47	0.03
	Oxford ...	30.23	52	NE	3	C	30.24	+ .05	49	46	+	1	N	1	0	*	62	47	—
	Cambridge ...	30.22	50	N	2	r	30.22	+ .05	49	48	0	N	2	0	*	54	45	0.07	
PENIN- SULA.	Yarmouth ...	30.17	50	N	4	C	30.19	+ .06	49	47	0	NNE	3	cg	3	52	47	0.01	
	Cuxhaven ...	30.07	52	NNW	4	f	30.06	+ .05	58	57	+	6	N	2	b	*	58	52	—
	Berlin ...	29.89	65	NNE	5	C	29.92	— .01	55	52	—	6	N	4	C	*	72	52	—
	Wiesbaden ...	*	*	*	*	*	30.02	+ .04	57	52	+	3	NN	3	b	*	57	50	0.55
	Munich ...	29.98	50	W	3	0	29.96	+ .02	46	45	—	3	SW	6	r	*	72	52	0.35
	The Helder ...	30.11	50	NNE	3	0	30.13	+ .09	49	49	—	2	N	3	f	3	52	48	—
	Brussels ...	*	*	*	*	*	30.13	+ .03	53	49	+	4	NNW	1	0	*	55	?	—
	Cape Gris Nez...	30.14	52	NNE	5	0	30.15	+ .03	50	49	0	NNE	7	r	5	55	48	0.04	
	Paris ...	30.13	58	NNW	3	0	30.14	+ .03	52	49	+	1	NNE	3	0	*	61	50	—
	Brest ...	30.16	60	NE	4	b	30.19	+ .01	50	48	—	2	E	5	0	4	66	45	—

WEATHER CHARTS

for 8 a.m. on

Tuesday, 19th June.

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

→ = forces 5 to 7; → = forces 1 to 4;

○ = dead calm.

Sea Disturbance — where considerable, is shewn thus.

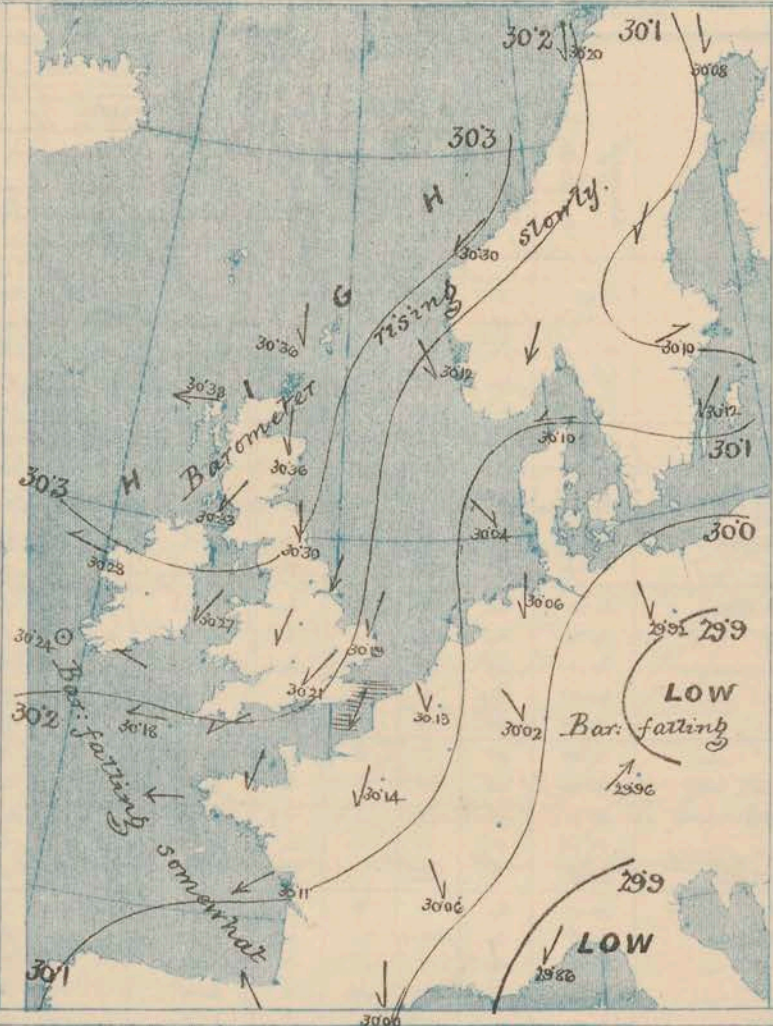
— Rough. — High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871 — 1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shields	29.928
York	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.964
Cambridge	29.967
Yarmouth	29.963



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.

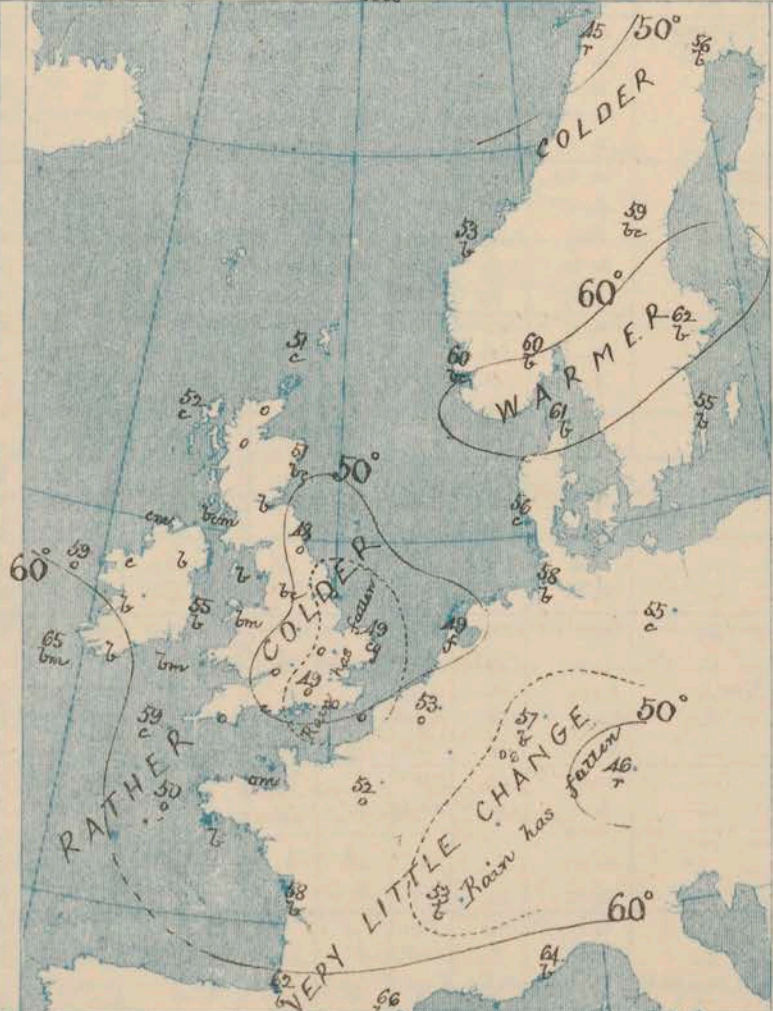
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of June.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	54.5	45.1	50.4	48.7	2.07
Stornoway.....	57.6	46.0	53.3	51.0	2.99
Wick.....	58.8	45.7	53.1	50.4	1.75
Nairn.....	62.1	48.0	54.2	50.4	1.88
Aberdeen.....	61.3	47.5	54.7	50.9	1.88
Leith.....	64.5	48.1	56.0	52.5	1.84
Shields.....	60.9	49.1	54.9	51.9	1.82
York.....	66.2	48.3	56.1	52.7	2.45
Loughborough.....	68.7	49.0	58.1	54.1	2.43
Ardrossan.....	62.0	49.7	55.1	52.0	2.62
Donaghadee.....	60.9	48.9	55.0	52.8	2.04
Holyhead.....	61.7	51.6	55.6	53.1	2.10
Liverpool.....	63.6	50.9	56.6	52.6	1.96
Parsonstown.....	64.0	48.2	55.8	52.2	2.46
Valencia.....	61.7	50.7	56.8	53.8	3.42
Roche's Point.....	64.8	50.8	56.5	53.3	3.26
Pembroke.....	60.3	51.4	55.0	52.9	2.09
Scilly.....	61.1	53.0	57.2	55.0	1.94
Jersey.....	64.8	52.6	58.7	55.9	1.83
Hurst Castle.....	63.9	51.9	57.6	55.4	2.07
Dover.....	63.3	53.1	58.6	55.1	1.72
LONDON.....	69.3	50.6	59.2	54.8	2.12
Oxford.....	67.1	49.4	56.9	53.4	2.28
Cambridge.....	68.8	48.5	58.0	54.7	2.46
Yarmouth.....	62.2	51.4	56.9	54.1	2.02

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.3 ins. and more over Scotland, the north of Ireland and the northwest of Norway.
Lowest 29.9 ins. and less over Germany, and also over the Gulf of Genoa.

Gradients slight everywhere, especially in the west and north.

Barometer falling slightly in the west, rising in Scandinavia and the north and east of our Islands.

TEMPERATURE

Highest 66° at Perpignan, 65° at Valencia (Ireland) 64° at Nice, 62° at Lisbon, Biarritz, Roches Point, and Stockholm, 59° at Hernisand and Haparanda.

Lowest 45° at Bodø, 46° at Munich, 49° over our Midland and Home counties.

It was rather higher over England during yesterday than on Sunday.

WIND

Moderate from the N^w at the eastern stations, and from NE in the south.

(Strong, locally, in the Straits of Dover). In Ireland and St. Georges Channel it is light from NE and E.

WEATHER

Clear and bright in the western districts, cloudy in the east with local showers.

Rain fell yesterday over Germany, and in the night over Belgium and the east of England.

SEA

Rough in the Straits of Dover, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The decrease of pressure in the west indicates probably the gradual approach of some change from the Atlantic, but the weather in the east and southeast is not likely to be affected much at present.

FORECASTS

for the 24 hours ending at NOON on 20th June 1883.

DISTRICTS.

FORECASTS.

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

N^w and NE^w breezes, light; fair.

Same as N^o 5.

Same as N^o 0 to 2.

NE^w breezes, moderate; dull to fair, possibly slight local showers.

DISTRICTS.

FORECASTS.


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


NE^w and E^w breezes, light; fine.

E^w breezes, light to moderate; fine.

WARNINGS

NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	30.04	57	52	NW 6	bnc	4	Holyhead ...	30.25	57	53	N 3	bc	2
Sumburgh Head ...	30.30	54	50	N 2	bc	3	Valencia ...	30.25	71	65	N 4	b	3
Stornoway ...	30.27	55	52	NE 4	bc	3	Scilly ...	30.17	60	56	Z 0	b	1
Aberdeen ...	30.25	58	52	N 4	c	2	Jersey ...	30.14	62	54	NNW 3	b	3
Shields ...	30.28	51	49	N 4	o	4	Dungeness ...	30.14	52	49	NE 3	a	2
Ardrossan ...	30.25	65	59	Z 0	c	0	London ...	30.18	54	51	N 2	o	*
Malin Head ...	30.30	50	53	NNW 3	b	3	Yarmouth ...	30.15	52	49	N 4	c	4
Mullaghmore ...	30.35	59	56	N 4	b	2	Rochefort ...	30.18	68	60	N 4	c	2
Belmullet ...	30.34	54	51	NNE 3	o	*							

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

The reports for yesterday morning showed that pressure ranged from between 30.1 ins. and 30.3 ins. over the British Isles, the northwest of France and the west of Norway, and from rather above 30.1 ins. over Portugal to rather below 29.9 ins. over Northern and Central Russia, and to a little below 29.8 ins. over the Adriatic and Southeastern Europe. The wind was consequently light to moderate from the N^W over Western Europe, and was accompanied by cold dull weather except in the extreme west, and by showers in several places; while it was variable and light over Austria, Poland, and Russia, and the weather was fair. Temperature was high (for the locality) over Sweden and Finland as well as in the south of Ireland, low elsewhere. The highest 8 a.m. readings were 68° at Oran (Algeria), 77° at Brindisi, 74° at Genoa, 73° at Malta and Palermo, 72° at Rome, 70° at Barcelona and Girona, 69° at Perpignan, 66° at Valencia, 65° at Caparanda, 62° at Kermisand, and 61° at Kuopio and Berlin; the lowest were 47° at Pöds, 48° at Oxford, 49° at Christiansund, Loughborough, Cambridge, Brussels, and Munich.

The day maxima over Sweden and the south of Ireland were high and some increase was observed over the midland parts of England. Rain fell at night at our eastern 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.

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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 2.)	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 ..	30.20	54	Z	0	b	30.15	+ .07	60	58	+ 4	S	2	b	*	68	46	—	
	Hernösand ...	30.29	58	Z	0	b	30.30	+ .07	64	52	+ 5	Z	0	b	*	72	50	—	
	Stockholm ...	30.20	55	N	4	b	30.24	+ .14	61	49	— 1	NNE	4	b	*	70	48	—	
	Wisby ...	30.17	52	ENE	2	b	30.15	+ .03	51	48	— 4	NNE	4	b	*	59	41	—	
	Bodö ...	30.27	49	W	2	b	30.21	+ .01	48	46	+ 3	W	4	C	2	50	45	—	
	Christiansund...	30.24	59	NNE	3	b	30.25	— .05	55	52	+ 2	NE	1	m	2	64	45	—	
	Skudesnaes ...	30.21	59	NNW	1	bc	30.21	+ .09	62	55	+ 2	Z	0	bc	2	68	59	—	
	Christiania Fjord (Vardø)	30.15	69	NNE	2	b	30.25	+ .10	61	53	+ 1	NNE	3	b	1	70	59	—	
	Skagen (The Seaw)	30.12	61	NE	1	b	30.19	+ .09	61	54	0	ENE	2	b	0	72	57	—	
	Fanö ...	30.07	55	NNW	4	C	30.04	— .00	57	55	+ 1	ENE	5	r	*	68	55	0.08	
BRITISH ISLANDS.	Sumburgh Head	30.31	49	NE	2	0	30.30	— .06	48	45	— 3	NE	2	C	3	54	43	—	
	Stornoway ...	30.30	53	NE	5	bc	30.27	— .11	51	50	— 1	E	5	bc	4	55	44	—	
	Wick ...	30.36	53	NE	3	0	30.33	— .05	48	46	— 5	NE	2	0	1	57	45	—	
	Nairn ...	30.31	55	NNE	2	0	30.29	— .10	51	49	0	ENE	2	0	2	60	48	—	
	Aberdeen...	30.30	54	NNE	2	b	30.30	— .06	48	46	— 3	NNE	2	0	2	60	46	—	
	Leith ...	30.27	54	E	2	b	30.24	— .12	49	47	— 5	NE	1	0	*	58	46	—	
	Shields ...	30.23	49	NNE	3	0	30.18	— .12	47	47	— 1	N	4	0	4	53	45	—	
	Spurn Head ...	30.17	49	N	5	C	30.08	— .16	50	50	+ 1	NNE	4	rgm	4	50	46	0.04	
	York ...	30.19	54	N	3	C	30.13	— .15	52	50	+ 2	N	2	0	*	61	45	—	
	Loughborough	30.15	62	ENE	3	0	30.09	— .17	50	49	+ 1	N	3	0	*	68	45	0.01	
GERMANY.	Ardrossan ...	30.22	64	NE	2	b	30.23	— .10	51	48	— 6	ENE	3	om	2	66	47	—	
	Malin Head ...	30.25	54	NE	2	b	30.20	— .11	52	50	0	E	3	bm	2	58	48	—	
	Mullaghmore ...	30.24	64	NN	2	om	30.18	— .12	56	52	0	ENE	4	b	2	65	51	—	
	Belmullet ...	30.23	63	ENE	2	C	30.18	— .10	59	54	0	NE	1	bc	*	65	52	—	
	Donaghadee ...	30.23	60	NE	2	b	30.21	— .13	53	50	— 1	ENE	4	b	2	62	47	—	
	Barrow-in-Furness	30.14	64	NN	2	bc	30.14	— .13	52	49	— 1	N	4	bc	*	64	45	—	
	Liverpool (Midston)	30.18	59	NN	1	0	30.14	— .15	51	49	— 4	NE	1	C	2	63	44	—	
	Holyhead ...	30.19	53	NNE	3	C	30.12	— .15	52	48	— 3	ENE	5	cm	4	58	47	—	
	Parsonstown ...	30.20	65	NE	1	b	30.15	— .12	56	50	— 2	NNE	1	b	*	69	46	—	
	Valencia ...	30.18	64	W	2	bc	30.13	— .11	62	56	— 3	Z	0	om	1	68	56	—	
FRANCE & NETHERLANDS.	Roche's Point...	30.19	59	ESE	3	b	30.12	— .12	58	54	— 4	NNW	1	b	2	63	50	—	
	Pembroke ...	30.15	55	E	1	bc	30.07	— .15	56	57	0	E	2	b	0	61	55	—	
	Scilly ...	30.13	56	Z	0	0	30.05	— .18	57	55	— 2	NN	2	0	2	59	50	—	
	Prawle Point ...	30.13	53	ENE	2	0	30.06	— .16	50	48	— 1	NE	3	0	2	57	48	—	
	Jersey ...	30.10	55	NE	3	0	30.01	— .17	52	48	— 2	NNE	3	om	3	57	50	—	
	Hurst Castle ...	30.13	54	NE	3	C	30.01	— .20	51	60	+ 1	NNE	3	C	2	58	45	—	
	Dungeness ...	30.08	52	NNE	3	0	29.94	— .22	54	51	+ 5	NNE	3	0	2	54	44	0.04	
	London ...	30.13	52	NNE	2	og	30.01	— .20	51	49	+ 2	NNE	2	og	*	53	47	—	
	Oxford ...	30.13	52	NE	1	C	30.05	— .19	49	47	0	NE	3	0	*	56	45	—	
	Cambridge ...	30.15	50	N	2	0	30.02	— .20	49	49	0	N	2	2	*	53	45	0.04	
PENIN- SULA.	Yarmouth ...	30.12	50	N	4	og	29.98	— .21	62	52	+ 3	NNE	4	or	4	52	48	0.18	
	Oxhaven ...	30.05	53	ENE	4	r	30.02	— .04	57	56	— 1	E	3	C	*	59	53	0.68	
	Berlin ...	29.94	56	N	2	0	29.98	+ .06	57	54	+ 2	NN	1	0	*	63	52	—	
	Wiesbaden ...	*	*	*	*	*	29.95	— .06	57	53	0	WNW	1	b	*	66	46	—	
	Munich ...	30.02	51	SH	2	C	29.97	+ .01	55	51	+ 9	E	4	b	*	57	39	0.08	
	The Helder ...	30.01	52	N	3	bc	29.93	— .20	55	54	+ 6	S	1	C	1	55	49	0.20	
	Brussels ...	*	*	*	*	*	29.94	— .19	53	51	0	WNW	1	0	*	58	50	0.04	
	Cape Gris Nez...	30.08	51	NE	5	C	29.93	— .22	51	50	+ 1	NE	5	r	4	57	48	0.04	
	Paris ...	30.04	57	NNE	3	0	29.95	— .19	52	50	0	NNE	3	0	*	60	50	—	
	Brest ...	30.11	56	ENE	5	C	30.07	— .12	52	47	+ 2	NE	1	0	2	64	45	—	

For Explanation of Columns, see p. 4.

† Received too late for insertion in *Charis* on p. 2.

WEATHER CHARTS

for 8 a.m. on WEDNESDAY, 20TH JUNE.

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.

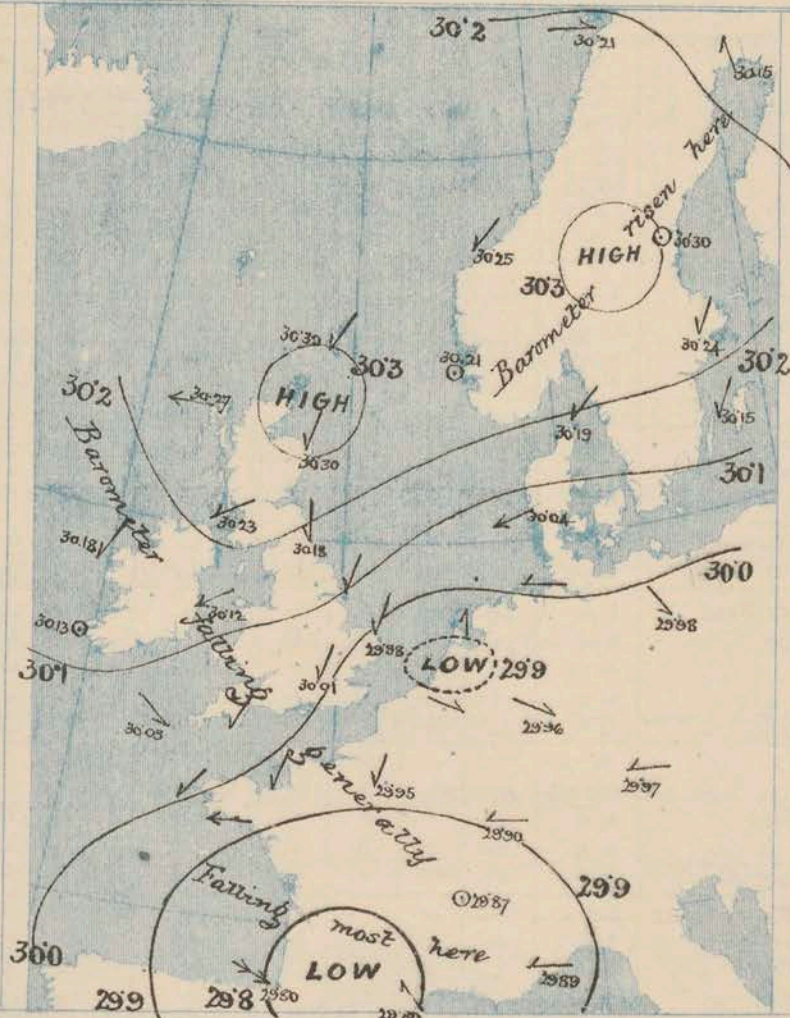
— = Rough. — = High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shie	29.928
York	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.964
Cambridge	29.967
Yarmouth	29.963



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.

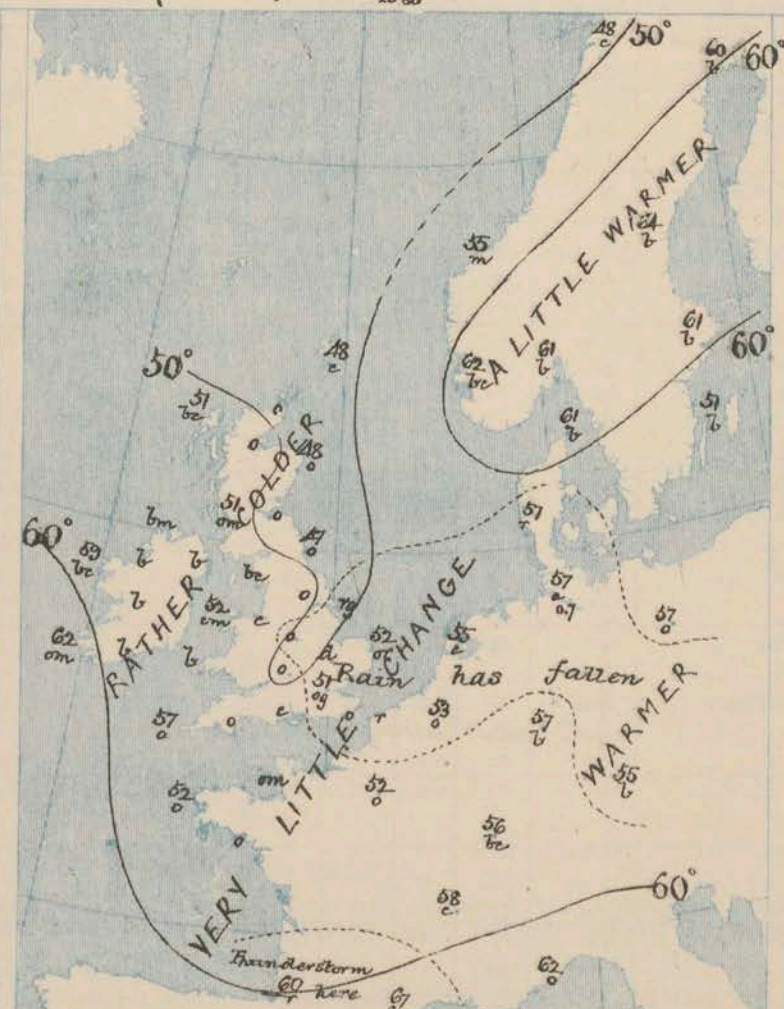
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of June.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry	Wet	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	46.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.75
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	56.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	66.2	48.3	56.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.52
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.6	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.96
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	3.26
Pembroke	60.3	51.4	55.0	52.9	2.09
Scilly	61.1	53.0	57.2	55.0	1.94
Jersey	64.8	52.6	58.7	55.9	1.88
Hurst Castle	63.9	51.9	57.6	55.4	2.07
Dover	63.3	53.1	58.6	55.1	1.72
LONDON	69.3	50.6	59.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.40
Yarmouth	62.2	51.4	56.9	54.1	2.02

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. to 30.3 ins. over Scotland and nearly the whole of Scandinavia; 30 ins. and more over the southwest of Spain. Lowest 29.8 ins. in a depression lying over the southwest of France, 29.9 ins. and less in another (small one) lying over Holland. Gradients slight to moderate; Barometer falling except over Scandinavia - most in France, the Netherlands and southeast of England.

TEMPERATURE

Highest 67° at Perpignan, 60° to 64° over Sweden and the south of Norway, 58° to 62° in the south of England. Lowest 47° at Shields, 48° in the northeast of Scotland and at Bodø, 49° at Oxford and Cambridge, 51° in London. It has changed irregularly since yesterday and is much below the average over Great Britain, France and Germany.

WIND

NE^{ly}, moderate to light over our Islands and their neighbourhood, calm in the south of Ireland. In Spain and the southwest of France it is NW^{ly}, and blows a fresh gale at Biarritz.

WEATHER

Still fine in the west and northwest of our Islands and over Scandinavia. Dull and cloudy elsewhere, with rain in several places - most in the southeast of England.

SEA

Moderate along our east coast, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure areas over the Continent appears to be growing deeper, and that over the Netherlands will probably bring a good deal of rain to the eastern and southeastern counties of England. Fine weather is still probable in the extreme west and northwest.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

NE^{ly} and E^{ly} breezes, light; dull, some rain, cold.

NE^{ly} and N^{ly} winds; cold, dull, rainy.

DISTRICTS.

FORECASTS.

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

E^{ly} winds, light; fair.

Same as Nos 3 to 5.

NE^{ly} winds, moderate or light; fair.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeenass ...	30.17	57	58	WNW 2	0	3	Holyhead ...	30.23	54	50	NNE 3	6	2
Samburgh Head ...	30.23	58	49	NE 2	0	3	Valencia ...	30.20	66	60	NW 2	6cm	2
Stornoway ...	30.23	58	53	NE 5	6	4	Scilly ...	30.17	58	53	E 2	0	3
Aberdeen ...	30.20	60	53	NNE 2	6	2	Jersey ...	30.13	55	51	NNE 3	0	3
Shields ...	30.25	58	49	N 3	0	4	Dungeness ...	30.18	51	51	NNE 3	7	2
Ardrossan ...	30.24	65	56	ESE 3	6	1	London ...	30.16	53	51	NNE 3	0	2
Malin Head ...	30.22	57	53	ESE 2	6	2	Yarmouth ...	30.16	51	49	N 4	0	3
Mallaghmore ...	30.25	63	57	WNW 2	6	2	Rocheport ...	30.04	70	66	NE 5	6	2
Belmullet ...	30.24	65	59	ESE 1	6	*							

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

The reports for yesterday morning showed that pressure was increasing a little over Russia and Northern Europe, and that readings ranged from 30.3 ins. and more over the north of our Islands and the west of Norway, to rather below 29.9 ins. over Poland, Western Germany, Austria, and southeastern Europe generally, where there was a very large shallow and irregularly formed area of low pressure. N² and NE² winds were prevalent over Western and Northwestern Europe, and blew freshly on our southeast coasts, and in some parts of the English Channel. The weather was fine in the extreme west and north, cloudy in most other places, with showers locally; very dull over the midland and southeastern counties of England. Temperature was high over Western Russia, the Baltic, and several parts of Scandinavia, and rather high in the south of Ireland, but very low over Great Britain, France and North Germany. The highest individual values were 84° at Biskra (Algeria), 83° at Cagliari, 77° at Brindisi, 75° at Palermo, 73° at Malta, 70° at Lyons and Sanguinair, 66° at Perpignan, 65° at Valencia, 62° at Stockholm, 60° at Tacides and Skudermoo. The lowest were 45° at Rode, 46° at Munich, 48° at Shields, 49° at Loughborough, and in London.

During the day the barometer fell generally over the British Islands, and the high pressure area in the north continued to extend slowly to the eastward.

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 21st June 1883.
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 ..	29.95	54	Z	0	b	29.87	- .28	61	51	+ 1	NW	6	b	*	64	45	—	
	Hernösand ...	30.13	64	SSH	2	b	30.12	- .18	70	54	+ 6	NW	2	b	*	75	45	—	
	Stockholm ...	30.20	59	Z	0	b	30.17	- .07	66	56	+ 5	Z	0	b	*	72	50	—	
	Wisby ...	30.05	53	ESE	4	b	30.10	+ .01	56	50	+ 5	NNE	2	0	*	70	—	—	
	Bodö ...	30.13	49	WSW	6	0	30.12	- .04	45	41	- 3	W	4	0	3	52	43	—	
	Christiansund...	30.28	52	NNE	3	b	30.31	+ .06	52	48	- 3	NNE	1	f	3	55	50	—	
	Skudesnaes ...	30.23	58	WNW	2	c	30.21	- .02	59	55	- 3	NNW	2	b	2	72	57	—	
	Christiania Fjord (Færder)	30.19	68	S	2	b	30.20	- .05	66	58	+ 5	Z	0	b	1	72	61	—	
	Skagen (The Scaw)	30.14	62	NE	1	b	30.19	- .05	52	48	+ 1	SE	1	b	1	72	57	—	
	Fanö ...	30.09	58	ENE	2	c	30.12	+ .08	63	56	+ 6	ENE	4	c	*	64	54	—	
BRITISH ISLANDS.	Sumburgh Head	30.30	48	NE	2	0	30.31	+ .01	48	46	0	NE	4	0	4	52	44	—	
	Stornoway ..	30.22	53	E	5	b	30.27	- .05	58	51	+ 2	E	5	b	4	54	43	—	
	Wick ...	30.30	48	NE	3	0	30.34	+ .01	48	47	0	NNE	3	m	1	53	45	—	
	Nairn ...	30.29	50	ENE	2	a	30.31	+ .02	49	47	- 2	ENE	1	0	1	56	46	—	
	Aberdeen...	30.25	52	NE	2	b	30.28	- .02	51	49	+ 3	N	2	0	2	58	46	—	
	Leith ...	30.20	53	E	2	c	30.23	- .03	51	49	+ 2	E	4	c	*	55	47	—	
	Shields ...	30.11	48	N	4	r	30.15	- .03	51	50	+ 4	N	3	c	4	51	46	0.10	
	Spurn Head ...	29.98	51	ENE	4	b	30.07	- .01	53	52	+ 3	NNE	4	b	4	53	46	0.05	
	York ...	30.04	51	N	3	r	30.11	- .02	55	53	+ 3	NNE	2	c	*	55	47	0.03	
	Loughborough	29.97	52	NNE	3	r	30.05	- .04	52	51	+ 2	NNE	2	b	*	56	49	0.42	
GERMANY.	Ardrossar ...	30.12	67	NE	3	b	30.19	- .04	54	51	+ 3	NE	4	om	2	68	49	—	
	Malin Head ...	30.14	54	NE	2	b	30.17	- .03	52	50	0	ESE	3	0	2	56	51	—	
	Mullaghmore ...	30.12	63	E	4	b	30.13	- .05	55	50	- 1	E	5	0	3	65	53	—	
	Belmullet ...	30.12	58	NNE	3	b	30.11	- .07	60	55	+ 1	ENE	2	b	*	62	52	—	
	Donaghadee ...	30.10	59	N	3	b	30.16	- .05	57	55	+ 4	ENE	3	b	2	63	50	—	
	Barrow-in-Furness	30.06	55	NE	3	r	30.12	- .01	55	52	+ 3	NE	3	c	*	58	50	0.12	
	Liverpool (Bidston)	30.03	53	NE	4	0	30.06	- .08	59	53	+ 8	ENE	4	b	3	62	50	0.02	
	Holyhead ...	30.05	54	N	4	rm	30.05	- .07	53	52	+ 1	ENE	5	cp	4	56	50	0.08	
	Parsonstown ...	30.08	65	NE	1	b	30.08	- .07	55	51	- 1	NE	2	0	*	65	52	0.01	
	Valencia ...	30.06	65	N	3	b	30.03	- .10	58	54	- 4	NE	3	b	3	68	51	—	
FRANCE & NETHERLANDS.	Roche's Point...	30.08	58	ESE	2	b	30.08	- .09	56	53	- 2	ENE	4	c	3	64	51	0.01	
	Pembroke ...	30.00	55	N	3	c	29.96	- .11	55	52	- 1	ENE	3	c	2	59	52	0.03	
	Scilly ...	29.97	57	NE	4	of	29.90	- .15	55	54	- 2	NW	2	om	2	61	50	0.28	
	Prawle Point ...	29.96	57	NW	2	0	29.94	- .12	52	52	+ 2	E	2	m	2	60	47	0.12	
	Jersey ...	29.93	55	NNW	3	c	29.95	- .06	56	52	+ 4	NW	2	ogm	2	56	50	—	
	Hurst Castle ...	29.91	54	NNE	2	c	29.96	- .06	55	55	+ 4	NE	2	m	1	58	50	0.04	
	Dungeness ...	29.88	55	N	1	c	29.90	- .04	58	56	+ 4	NNE	3	c	2	58	47	0.13	
	London ...	29.90	54	E	1	op	29.97	- .04	55	54	+ 4	NE	2	0	*	55	48	0.17	
	Oxford ...	29.93	52	NNE	3	0	30.00	- .05	53	52	+ 4	NE	3	og	*	57	47	0.07	
	Cambridge ...	29.94	55	E	1	c	29.99	- .03	56	56	+ 7	N	1	0	*	58	47	0.12	
PENINSULA.	Yarmouth ...	29.94	56	E	3	b	29.98	- .04	56	55	+ 4	ENE	4	b	3	56	50	0.10	
	Cuxhaven ...	30.05	59	ENE	1	b	30.05	+ .03	57	55	0	ENE	3	b	*	62	55	—	
	Berlin ...	29.94	63	N	2	0	29.97	- .01	65	60	+ 8	NNW	2	c	*	68	51	—	
	Wiesbaden ...	*	*	*	*	*	29.94	- .02	65	58	+ 8	E	3	b	*	72	54	—	
	Munich ...	29.90	58	NE	2	b	29.94	- .03	60	56	+ 5	NE	4	b	*	66	45	—	
	The Helder ...	29.96	59	NE	4	b	30.01	+ .08	59	58	+ 4	ENE	1	b	1	63	55	—	
	Brussels ...	*	*	*	*	*	29.92	- .02	60	58	+ 7	ENE	1	c	*	68	52	0.35	
	Cape Gris Nez...	29.86	56	NE	4	c	29.89	- .04	55	55	+ 4	NNE	4	v	2	61	50	—	
	Paris ...	29.85	62	NNE	3	b	29.89	- .06	53	52	+ 1	NNW	1	0	*	67	52	0.20	
	Brest ...	30.03	53	NE	3	0	29.97	- .10	54	50	+ 2	S	3	0	1	66	45	—	

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for 8 a.m. on Thursday, 21st June.

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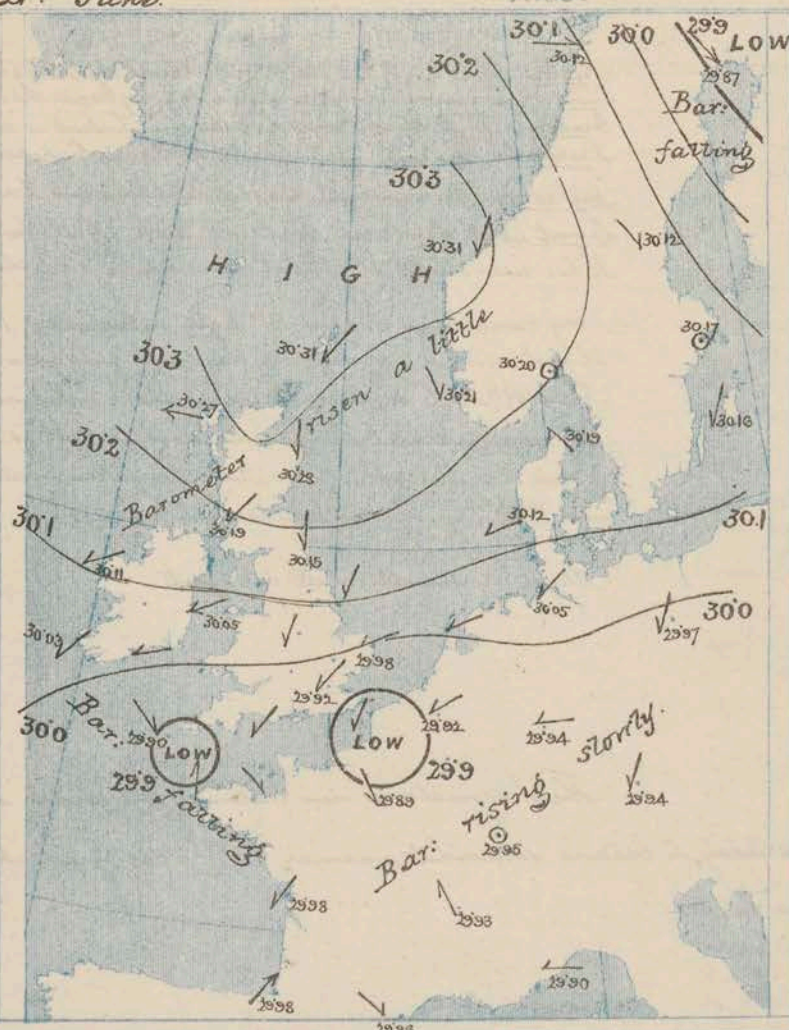
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— Rough — High

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Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
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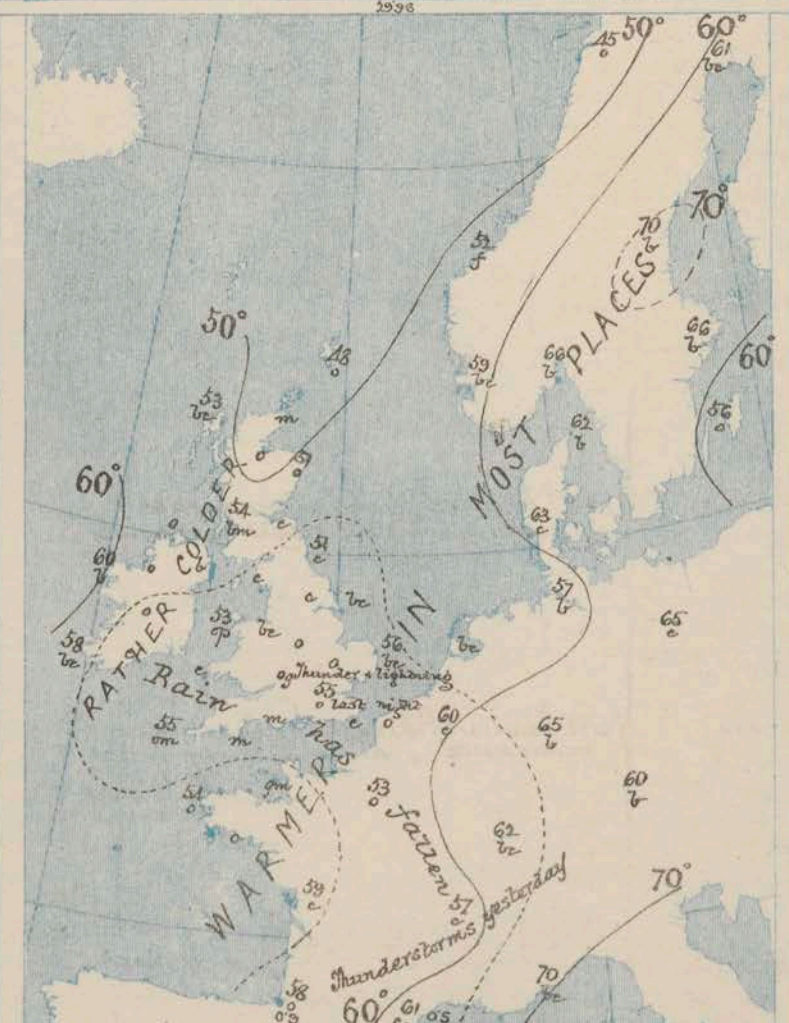
Rainfall A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of June.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 3 a.m.		
			Dry.	Wet.	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	46.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.75
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	56.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	66.2	48.3	56.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.02
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.6	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.96
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	3.26
Pembroke	60.3	51.4	55.0	52.9	2.09
Scilly	61.1	53.0	57.2	55.0	1.94
Jersey	64.8	52.0	58.7	55.9	1.83
Hurst Castle	63.9	51.9	57.6	55.4	2.07
Dover	63.3	53.1	58.6	55.1	1.72
LONDON	69.3	50.6	59.2	54.8	2.12
Oxford	67.1	49.4	56.3	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.40
Yarmouth	62.2	51.4	56.9	54.1	2.02

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 30.20 ins. to 30.33 ins. over Scotland and the greater part of Norway - 30.0 ins. and more over Spain
 Lowest 29.9 ins. and less over northern Russia, the Gulf of Genoa, and in two small depressions - one near Sicily and the other over the north-east of France.
 Gradients slight except over Sweden and Finland - almost nil in France and Germany.
 Barometer unsteady - falling over northern Europe, rising in south-west of France.

TEMPERATURE

Highest 70° at Hernösand and Näs, 66° at Stockholm and Gothenburg, 65° at Berlin and Wiesbaden, 61° at Munich, 59° at Paris and Belmullet.
 Lowest 48° at Lumburgh Head and Wick, 49° at Naïer, 51° at Aberdeen, Leith and Shetland.
 It has risen a little at all but our western and the Norwegian stations.

WIND

Very variable in France, E^{ly}, light, in Germany, NE^{ly} moderate in our Islands.
 Almost calm in Norway and the south of Sweden - NW^{ly} in the north of Sweden.
 The NW^{ly} wind is strong at the northern extremity of the Gulf of Bothnia.

WEATHER

Varies a great deal in different localities. It is still fine over Scandinavia, but has become more cloudy than of late over Ireland. Rain has fallen in all parts of England, fog has occurred in places, and thunder and lightning over our southeastern counties.

SEA

Slight or smooth on all our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now inclined to rise over southwestern Europe and to fall in the far north. The weather is likely to become somewhat warmer, but no very great change seems probable over England during the coming twenty-four hours.

FORECASTS

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

DISTRICTS.

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

FORECASTS.

NE^{ly} breezes, light or moderate; fair as a whole, but slight rain locally.
 NE^{ly} and N^{ly} breezes, light to moderate; dull to fair.

DISTRICTS.

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

FORECASTS.

NE^{ly} winds, light; fair.
 Variable light winds; cloudy, some rain.
 NE^{ly} breezes, moderate or light; fair as a whole.

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 ...	30.19	71	60	NW 6	c	3	Holyhead ...	30.11	54	50	NNE 4	c	4
Sumburgh Head ...	30.29	50	47	NE 2	c	3	Valencia ...	30.08	68	61	N 3	bm	3
Stornoway ...	30.28	54	52	E 5	b	4	Scilly ...	30.00	60	57	NNW 2	bm	2
Aberdeen ...	30.24	58	53	NNE 3	c	2	Jersey ...	29.97	53	50	N 3	o	3
Shields ...	30.13	48	47	N 4	o	4	Dungeness ...	29.89	54	53	N 2	r	1
Ardrossan ...	30.16	67	59	NE 3	b	2	London ...	29.92	54	53	N 2	ogr	*
Malin Head ...	30.17	50	52	ENE 2	b	2	Yarmouth ...	29.93	54	53	E 3	c	4
Mullaghmore ...	30.13	63	58	WNW 2	b	2	Rochefort ...	29.89	70	61	NNE 5	c	2
Belmullet ...	30.14	61	53	NE 2	b	*							

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

The reports for yesterday showed that pressure varied from between 30.2 ins. and 30.3 ins. over Scotland and Scandinavia to rather below 29 ins. over the southwest of France and the northeast of Spain, southeastern Europe generally, the north of Russia, and also in a local depression lying over Holland. Gradients were therefore slight, but, on the whole, favourable for winds from NE. and N. The winds reported agreed with these conditions, but were variable over the Continent; over Northwestern Europe they were accompanied by cloudy, and in many places showery weather, but over Scandinavia, the Baltic, and Eastern Europe the weather was fair. Thunderstorms had occurred in the southwest of France. Temperature was still very low over Britain, France and Germany, high over Scandinavia, and rather so in Ireland. The highest individual readings at 8 am were 83° at Chiusi, 81° at Cagliari, 76° at Malta, 75° at Brindisi and Palermo, 74° at Constantinople, 71° at Langunnaire, 67° at Perpignan, 60° to 64° in Sweden and 62° at Valencia; the lowest were 43° at Archangel, 47° at Shields, 48° at Bodø, Sumburgh Head, Wick, and Aberdeen, 49° at Fife, Cambridge, and Oxford, and 50° at Spurn Head.

Rain fell in all parts of England during the day, and thunderstorms occurred in the southeast.

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

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force, (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force, (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	30.04	48	NW	6	b	30.14	+24	49	42	-12	NW	4	bc	*	64	48	-	
	Hernösand ...	30.22	59	NW	6	bc	30.33	+21	52	44	-18	W	0	b	*	81	50	-	
	Stockholm ...	30.04	63	SW	2	bc	30.23	+06	54	47	-12	N	2	r	*	81	50	-	
	Wisby ...	30.14	57	WSW	2	b	30.14	-02	52	49	-4	N	4	c	*	72	46	-	
	Bodö ...	30.27	44	WNW	4	c	30.23	+11	46	42	+1	WSW	6	0	8	48	43	-	
	Christiansund...	30.22	52	NNE	5	0	30.28	-03	53	49	+1	ESE	3	b	2	54	46	-	
	Skudesnaes ...	30.16	54	NW	2	b	30.16	-05	59	55	0	WNW	1	b	2	54	54	-	
	Christiania Fjord (Farder)	30.10	66	NEW	4	b	30.23	+03	63	54	-3	E	4	b	1	68	59	-	
	Skagen (The Scaw)	30.13	62	W	0	b	30.18	-01	64	58	+2	W	0	b	0	75	54	-	
	Fanö ...	30.12	59	E	3	b	30.17	+05	63	55	0	E	2	b	*	72	54	-	
BRITISH ISLANDS.	Sumburgh Head	30.33	48	NE	3	0	30.32	+01	51	48	+3	NE	2	b	4	54	43	-	
	Stornoway ..	30.27	55	NE	5	bc	30.29	+02	51	50	-2	NE	6	bc	4	56	44	-	
	Wick ...	30.35	48	NE	3	0	30.36	+02	52	50	+4	NE	2	b	1	52	45	-	
	Nairn ...	30.31	53	ENE	1	0	30.31	00	49	47	0	E	1	0	1	55	46	-	
	Aberdeen...	30.29	54	NNE	2	bc	30.31	+03	48	47	-3	N	2	0	2	60	46	-	
	Leith ...	30.26	52	E	3	bc	30.29	+06	48	47	-3	E	5	0	*	57	46	-	
	Shields ...	30.16	51	N	4	c	30.21	+06	47	46	-4	N	4	0	4	56	45	-	
	Spurn Head ...	30.06	53	NNE	5	c	30.11	+04	53	51	0	N	5	c	4	57	49	0.05	
	York ...	30.09	61	NE	2	bc	30.16	+05	51	49	-4	N	3	0	*	70	47	0.15	
	Loughborough	30.02	63	ENE	4	0	30.10	+05	52	51	0	NNE	3	0	*	71	50	0.09	
GERMANY.	Ardrossan ...	30.17	64	NE	5	bm	30.24	+05	54	50	0	NE	4	bm	2	66	46	-	
	Malin Head ...	30.16	57	N	1	bm	30.20	+03	55	51	+3	E	3	bm	2	58	52	-	
	Mullaghmore ...	30.13	63	E	3	b	30.16	+03	59	53	+4	ESE	3	b	2	64	53	-	
	Belmullet ...	30.14	63	NNE	4	b	30.15	+04	60	55	0	NNE	2	b	*	65	55	-	
	Donaghadee ...	30.14	61	NE	2	b	30.19	+03	52	51	-5	NE	5	b	3	64	44	-	
	Barrow-in-Furness	30.07	64	NNE	4	c	30.12	+04	55	51	0	NE	4	c	*	71	53	-	
	Liverpool (Bidston)	30.03	67	NE	4	c	30.09	+03	55	51	-4	ESE	4	0	8	71	52	0.01	
	Holyhead ...	30.05	57	N	2	cm	30.09	+04	54	52	+1	ESE	4	0	4	60	52	0.01	
	Parsonstown ...	30.07	65	NNE	1	b	30.09	+01	58	52	+3	NE	2	bc	*	65	50	-	
	Valencia ...	30.04	60	NNE	2	cp	30.12	+09	63	59	+5	NNE	1	cm	2	64	54	0.05	
FRANCE & NETHERLANDS.	Roche's Point...	30.04	57	ESE	4	r	30.02	-01	57	55	+1	E	4	2	4	60	52	0.09	
	Pembroke ...	29.99	58	ENE	2	c	30.01	+05	55	55	0	E	3	bgp	1	62	54	0.22	
	Scilly ...	29.97	58	SE	3	c	29.99	+09	60	56	+5	W	0	bc	0	61	52	-	
	Prawle Point ...	29.97	55	WSW	1	m	30.01	+07	59	57	+2	W	2	bc	1	60	49	-	
	Jersey ...	29.96	60	NW	3	bm	30.04	+09	60	56	+4	W	0	bm	0	60	48	-	
	Hurst Castle ...	29.94	58	W	0	r	30.04	+08	55	55	0	W	0	f	0	61	63	0.6	
	Dungeness ...	29.89	57	NNE	2	0	30.02	+12	53	53	-5	SW	2	f	2	60	52	0.27	
	London ...	29.95	62	SE	1	sm	30.05	+08	57	56	+2	NE	1	ogf	*	66	54	0.2	
	Oxford ...	29.97	58	NE	3	0	30.06	+06	54	53	+1	NE	3	0	*	65	52	1.02	
	Cambridge ...	29.99	58	N	2	0	30.05	+06	59	57	+3	N	1	0	*	73	53	0.02	
PENIN- SULA.	Yarmouth ...	29.99	58	NE	3	b	30.04	+06	58	56	+2	NE	2	bc	2	60	54	-	
	Cuxhaven ...	30.08	62	ENE	4	b	30.13	+08	59	56	+2	E	3	b	*	68	56	-	
	Berlin ...	29.96	71	NNE	2	bc	30.09	+12	68	62	+3	SE	1	b	*	79	57	-	
	Wiesbaden ...	*	*	*	*	*	30.04	+10	69	64	+4	NE	1	b	*	77	59	-	
	Munich ...	29.98	64	W	0	b	30.05	+11	63	59	+3	NW	1	b	*	72	50	-	
	The Helder ...	29.98	62	NE	3	bc	30.06	+05	61	59	+2	ENE	1	0	1	66	59	-	
	Brussels ...	*	*	*	*	*	30.07	+15	58	57	-2	WSW	4	0	*	74	57	0.01	
	Cape Gris Nez...	29.90	?	E	1	E	30.02	+13	55	55	0	SSW	1	0	1	63	54	0.25	
	Paris ...	29.96	59	WSW	3	0	30.07	+18	54	54	+1	NW	1	b	*	65	45	0.08	
	Brest ...	30.00	60	W	0	r	30.03	+06	56	54	+2	SE	3	0	2	66	48	-	

For Explanation of Columns, see p. 1.

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

WEATHER CHARTS

for 8 a.m. on

Friday, 22nd June

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;
→ = force to 7; → = forces 4 to 7;
○ = dead calm

Sea Disturbance — where considerable is shown thus.

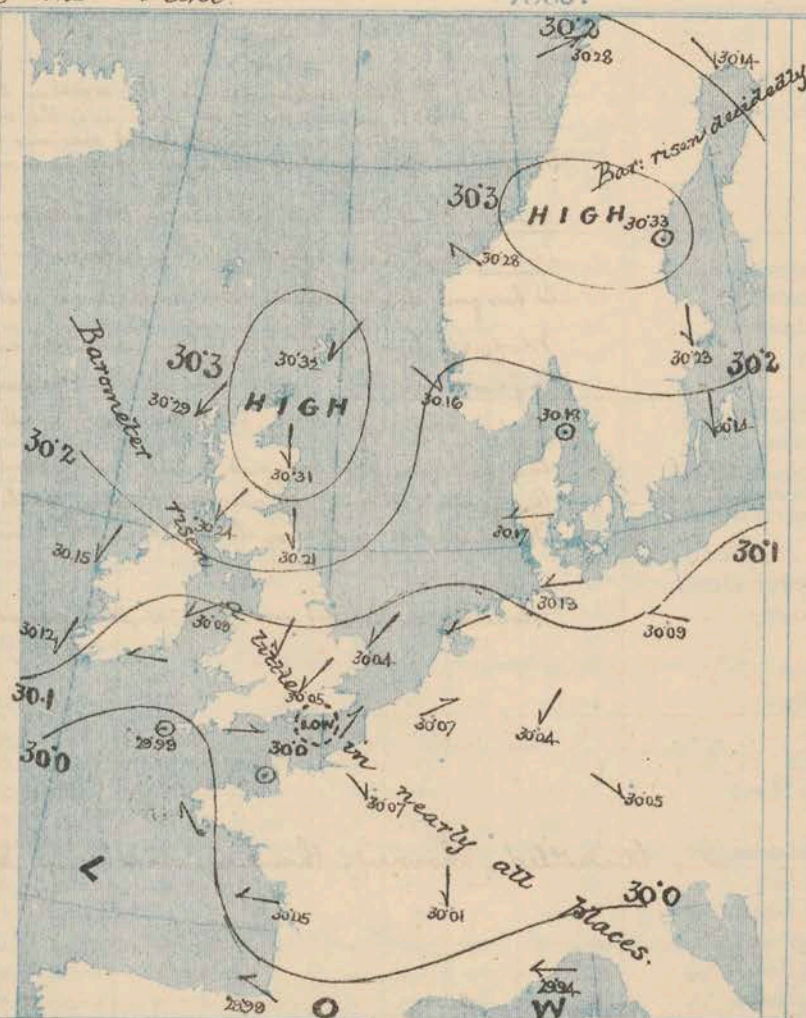
— Rough — High

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shir	29.928
Yor.	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.984
Cambridge	29.987
Yarmouth	29.983



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.

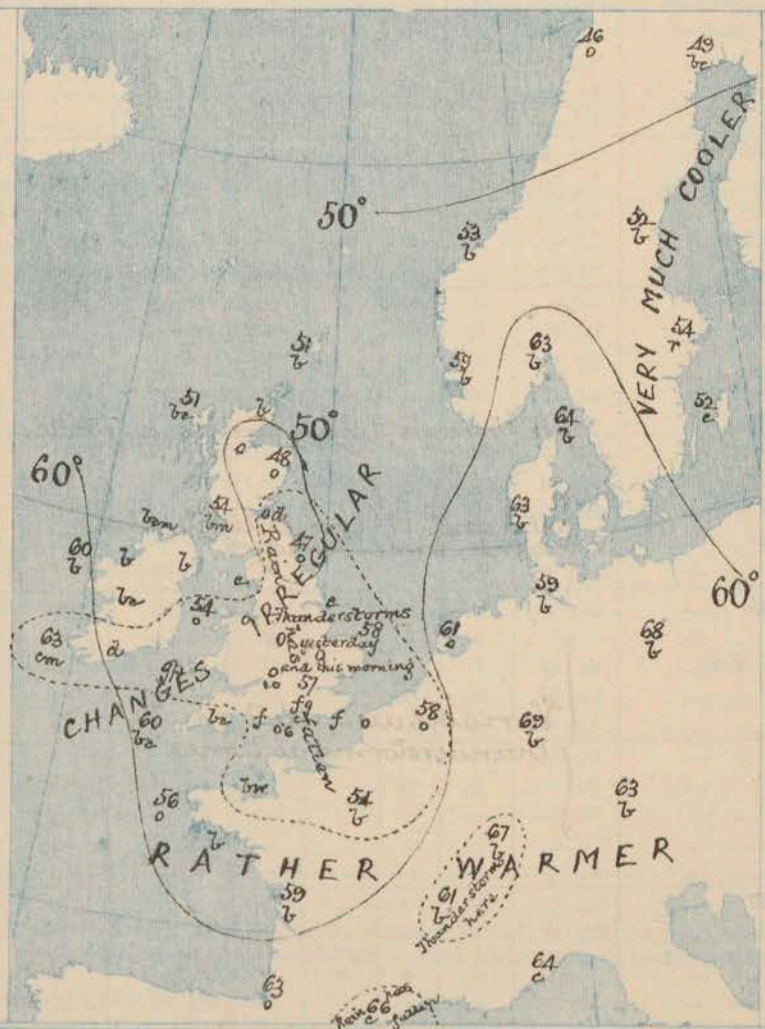
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of June.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m. Dry	Wet	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	45.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.75
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	55.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	66.2	48.3	55.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.62
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.6	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.96
Parsonstown	64.0	48.2	55.8	53.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	3.26
Pembroke	60.3	51.4	55.0	52.9	2.09
Scilly	61.1	53.0	57.2	55.0	1.94
Jersey	64.8	52.6	58.7	55.9	1.83
Hurst Castle	63.9	51.9	57.6	55.4	2.07
Dover	63.2	53.1	58.6	56.1	1.72
LONDON	69.3	50.6	59.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.40
Yarmouth	62.2	51.4	56.9	54.1	2.02

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 northern half of Scotland and also over the central part of Scandinavia.
 Lowest, 30.0 ins: and less, over Spain and the south of France.
 Gradient very slight and variable except over our northern counties.
 Barometer unsteady, but inclined to rise in most places.

TEMPERATURE

Highest, 63° at Mirebaden, 68° at Berlin, 67° at Belfast, 66° at Liverpool, 64° at the Scaw and at Nice, 63° at Faro, Valencia, Munich, & Vienna.
 Lowest, 46° at Bodø, 47° at Shields, 48° in the east of Scotland, 49° at Haparanda, 51° at Sumburgh H., Shetland, and York, and 54° in Paris.
 It has gone down decidedly over Sweden since yesterday, risen over Germany and changed irregularly elsewhere.

WIND

Moderate from N and NE. on our northwest and northeast coasts, light in Scotland.
 Very light and variable over France and Germany with the southern half of England.
 Strong from E. at Nice, and from NW. at Lisbon.

WEATHER

Very fine in Germany and France, on the eastern shores of the North Sea, and in the northern parts both of Scotland and Ireland.
 Dull, misty, showery and unsettled elsewhere, with thunderstorms at times in Norfolk.
 Thunderstorms and heavy showers occurred at our midland and south-eastern counties last night.

SEA

Moderate in the west and east, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Unsettled, showery, thundery weather is still probable.

FORECASTS

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

DISTRICTS.

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

FORECASTS.

NE^{ly} breezes, light, fair as a whole.
 NE^{ly} and N^{ly} breezes, light, close, rainy, some thunder.
 Variable airs; dull, misty, thunderstorms at times.



DISTRICTS.

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

WARNINGS

FORECASTS.

Same as No 0.
 NE^{ly} breezes, light, rain at times, thundery.
 Same as No 0
 Variable airs; dull, some rain in east.
 NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	30.19	67	58	NW 4	b	2	Holyhead ...	30.06	59	56	NE 5	bc	4
Sumburgh Head ...	30.33	52	49	NE 4	bc	4	Valencia ...	30.03	61	56	NE 4	c	4
Stornoway ...	30.27	56	53	NE 5	b	4	Scilly ...	29.97	61	58	SE 3	c	2
Aberdeen ...	30.30	57	50	NNE 2	bc	2	Jersey ...	29.97	59	55	WNW 2	c	2
Shields ...	30.17	55	52	N 4	c	4	Dungeness ...	29.91	57	56	NNE 2	r	2
Ardrossan ...	30.17	65	56	NE 5	b	2	London ...	29.95	66	61	NE 2	o	3
Malin Head ...	30.17	57	54	ESE 3	b	3	Yarmouth ...	30.01	60	57	NE 3	b	3
Mullaghmore ...	30.14	62	56	E 4	bc	2	Rochefort ...	30.01	76	65	SW 1	bc	1
Belmullet ...	30.13	63	56	NE 3	b	*							

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

The reports for yesterday morning showed that pressure varied from between 30.2 ins. and 30.3 ins. over Scotland and the west of Norway to rather below 29.9 ins. over Lapland, Southern Russia, the Mediterranean, the northeast of France, and at the mouth of the English Channel. The distribution of pressure was therefore very complex except in the northwest. The wind was mainly NE² over the United Kingdom and very variable over the Continent. Thunderstorms were becoming more prevalent in the south of France, showery, misty, weather in some other places and over the British Isles the amount of cloud was increasing. Temperature had risen over Germany, and the change seemed inclined to spread westward; over the Mediterranean it had fallen. The highest readings recorded were 87° at Biskra (Algeria) 77° at Malta, 74° at Brindisi, 72° at Trieste, Lissa, and Florence, 70° at Nice and Annisand, 69° at Rome and Cagliari, 66° at Stockholm, and 65° at Kristaden and Berlin; the lowest were 45° at Bodo, 48° at Sumburgh Head and Wick, 51° at Aberdeen, 52° at Archangel.

Later in the day the thermometer rose to 81° in Sweden, to 79° at Berlin, and to 71° at Loughborough and Liverpool, and a thunderstorm occurred in many parts of England and on the Continent.

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, 23rd June

1888.

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

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 3.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 8° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)						
SCANDINAVIA.	Haparanda ..	29.86	45	2	0	1	29.93	- 2.1	53	47	+ 4	2	4	0	*	55	37	0.08	
	Hernösand ...	30.15	54	2	0	0	30.14	- 1.9	58	50	+ 6	2	6	0	*	63	46	-	
	Stockholm ...	30.21	55	2	1	0	30.14	- 0.9	66	53	+ 12	NW	2	6	*	66	50	-	
	Wisby ...	30.26	53	ESE	2	6	30.22	+ 0.8	57	49	+ 5	SW	4	6	*	64	48	-	
	Bodö ...	30.03	45	WSW	9	1	30.11	- 1.2	44	43	- 2	WSW	6	1	3	48	41	-	
	Christiansund...	30.34	53	NNE	2	6	30.35	+ 0.7	52	50	- 1	N	2	3	2	57	45	-	
	Skudesnaes ...	30.23	57	2	0	6	30.25	+ 0.9	54	51	- 5	WSW	2	3	2	58	61	-	
	Christiania Fjord (Færder)	30.21	66	W	2	6	30.26	+ 0.3	64	59	+ 1	NNE	2	6	1	68	61	-	
	Skagen (The Scaw)	30.21	62	2	0	6	30.26	+ 0.8	62	58	- 2	N	1	6	0	75	54	-	
	Fanö ...	30.19	62	ESE	1	6	30.26	+ 0.9	66	59	+ 3	SE	2	6	*	73	54	-	
BRITISH ISLANDS.	Sumburgh Head	30.24	52	NE	3	6	30.36	+ 0.4	55	46	+ 4	NE	3	6	4	55	44	-	
	Stornoway ...	30.27	55	E	5	6	30.32	+ 0.3	56	53	+ 5	E	3	6	1	56	45	-	
	Wick ...	30.36	53	NE	2	6	30.40	+ 0.4	55	53	+ 3	ESE	2	0	1	57	39	-	
	Nairn ...	30.32	55	ESE	2	6	30.38	+ 0.7	52	49	+ 3	2	0	6	1	57	43	-	
	Aberdeen...	30.35	50	ESE	2	6	30.38	+ 0.7	55	50	+ 7	NNE	2	6	2	57	45	-	
	Leith ...	30.32	51	E	3	6	30.39	+ 1.0	49	46	+ 1	E	1	0	*	55	45	-	
	Shields ...	30.26	48	NNE	3	0	30.34	+ 1.3	47	46	+ 0	NNE	3	0	4	50	44	-	
	Spurn Head ...	30.20	50	NNE	5	0	30.27	+ 1.6	48	47	- 5	NNE	6	0	5	55	46	-	
	York ...	30.22	55	NE	2	6	30.32	+ 1.6	54	50	+ 3	NE	2	6	*	62	42	0.02	
	Loughborough	30.18	54	ESE	3	0	30.26	+ 1.6	48	47	- 4	NE	4	0	*	57	45	-	
GERMANY.	Ardrossan ...	30.23	63	ESE	5	bm	30.33	+ 0.9	54	49	0	NE	3	bm	2	64	45	-	
	Malin Head ...	30.19	58	ESE	2	bm	30.30	+ 1.0	54	52	- 1	ESE	2	6	1	59	51	-	
	Mullaghmore ...	30.17	63	ESE	4	cm	30.29	+ 1.3	53	55	- 1	E	4	6	2	70	54	-	
	Belmullet ...	30.15	65	ESE	2	6	30.27	+ 1.2	63	58	+ 3	E	1	0	*	68	56	-	
	Donaghadee ...	30.27	62	NE	2	6	30.32	+ 1.3	55	52	+ 3	NNE	3	6	2	63	49	-	
	Barrow-in-Furness	30.16	62	NE	3	0	30.26	+ 1.4	58	52	+ 3	NE	2	6	*	66	49	-	
	Liverpool (Bidston)	30.17	55	ESE	2	2	30.27	+ 1.8	60	52	+ 5	ESE	1	6	2	61	48	0.19	
	Holyhead ...	30.14	59	ESE	3	cm	30.24	+ 1.5	60	54	+ 6	ESE	4	bm	4	64	50	-	
	Parsonstown ...	30.14	62	SE	1	0	30.25	+ 1.6	60	55	+ 2	E	1	6	*	64	54	-	
	Valencia ...	30.13	60	W	1	0	30.26	+ 2.1	64	60	+ 1	W	1	6	1	64	53	0.04	
FRANCE & NETHERLANDS.	Roche's Point...	30.12	58	ESE	4	0	30.24	+ 2.2	61	58	+ 4	E	3	m	4	61	53	0.01	
	Pembroke ...	30.10	59	WSW	1	0	30.18	+ 1.7	59	57	+ 4	NE	1	bm	0	61	52	-	
	Scilly ...	30.07	60	NE	3	6	30.15	+ 1.6	54	53	- 6	NNE	3	6	2	65	50	-	
	Prawle Point ...	30.10	56	ESE	2	6	30.13	+ 1.2	59	57	0	NNE	3	0	2	62	48	-	
	Jersey ...	30.06	65	NNE	3	bm	30.08	+ 0.4	58	56	- 2	ESE	3	0	3	66	55	-	
	Hurst Castle ...	30.10	60	W	2	6	30.11	+ 0.7	61	58	+ 6	NNE	4	6	1	64	54	-	
	Dungeness ...	30.09	58	W	1	6	30.06	+ 0.4	58	56	+ 5	NE	5	0	3	61	52	-	
	London ...	30.09	68	NE	1	6	30.16	+ 1.1	56	53	- 1	NE	3	0	*	70	52	-	
	Oxford ...	30.15	58	NNE	3	0	30.22	+ 1.6	51	49	- 3	NE	4	0	0	63	49	-	
	Cambridge ...	30.13	61	NNE	2	6	30.22	+ 1.7	53	51	- 6	N	2	0	*	72	48	-	
PENIN- SULA.	Yarmouth ...	30.13	61	NNE	2	6	30.18	+ 1.4	55	53	- 3	N	4	6	3	62	52	-	
	Cuxhaven ...	30.16	63	E	3	6	30.20	+ 0.7	64	61	+ 5	E	3	6	*	71	52	-	
	Berlin ...	30.10	74	ESE	3	6	30.17	+ 0.8	72	63	+ 4	E	3	6	*	84	61	-	
	Wiesbaden ...	*	*	*	*	*	30.02	- 0.2	71	64	+ 2	NE	3	0	*	81	64	-	
	Munich ...	30.01	64	NE	2	0	30.02	- 0.3	66	62	+ 3	E	2	0	*	75	54	-	
	The Helder ...	30.11	64	NE	3	0	30.13	+ 0.7	64	59	+ 3	NE	1	6	1	66	59	-	
	Brussels ...	*	*	*	*	*	30.07	0.0	67	63	+ 9	ESE	4	0	*	74	57	-	
	Cape Gris Nez...	30.07	57	E	3	0	30.07	+ 0.5	55	54	0	N	5	0	4	64	54	-	
	Paris ...	30.02	70	N	3	6	29.96	- 1.1	63	61	+ 9	N	4	0	*	74	57	-	
	Brest ...	30.08	64	ESE	3	6	30.09	+ 0.6	58	55	+ 2	E	5	6	4	70	45	-	
FRANCE & NETHERLANDS.	Lorient ...	30.02	66	NW	1	6	30.02	0.0	60	55	+ 5	NE	3	0	1	68	52	-	
	Rochefort ...	29.98	67	NW	5	6	30.00	- 0.5	61	61	+ 2	NE	4	5	2	72	57	0.12	
	Belfort ...	29.96	72	E	1	6	29.99	- 0.3	62	63	- 3	W	1	0	*	75	58	-	
	Lyons ...	29.92	67	?	1	0	29.97	- 0.4	61	60	0	W	1	6	*	73	57	0.43	
	Nice...	29.93	66	E	5	6	29.97	+ 0.3	67	61	+ 3	E	1	6	3	72	59	0.04	
	Perpignan ...	29.94	63	NE	3	0	29.97	+ 0.1	65	61	- 1	NE	3	6	*	73	52	0.08	
	Biarritz ...	29.89	68	NNE	5	6	29.93	- 0.6	62	58	- 1	WSW	5	0	2	70	59	-	
PENIN- SULA.	Corunna ...	*	*	*	*	*	29.94	- 0.3	59	57	- 3	WSW	4	0	2	70	59	-	
	Lisbon ...	29.99	62	NW	5	0	29.94	- 0.3	59	57	- 3	WSW	4	0	2	70	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

Saturday, 23rd June.

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.

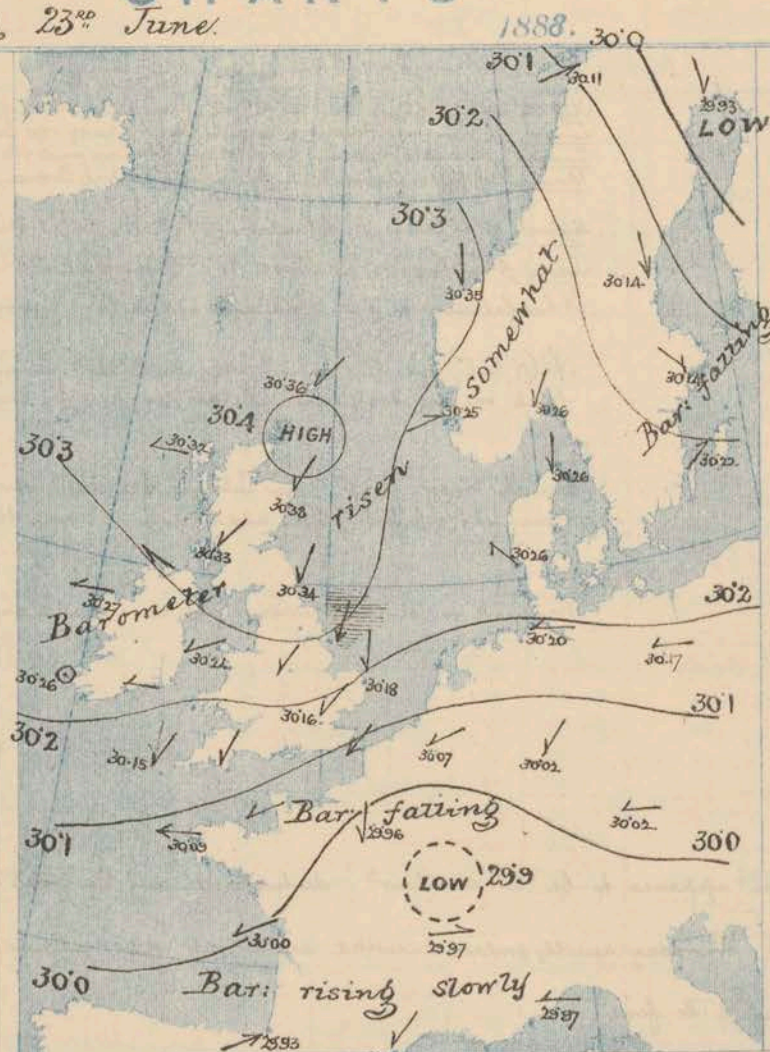
— Rough. — High

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871 — 1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shields	29.928
York	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.932
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.984
Cambridge	29.967
Yarmouth	29.963



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.

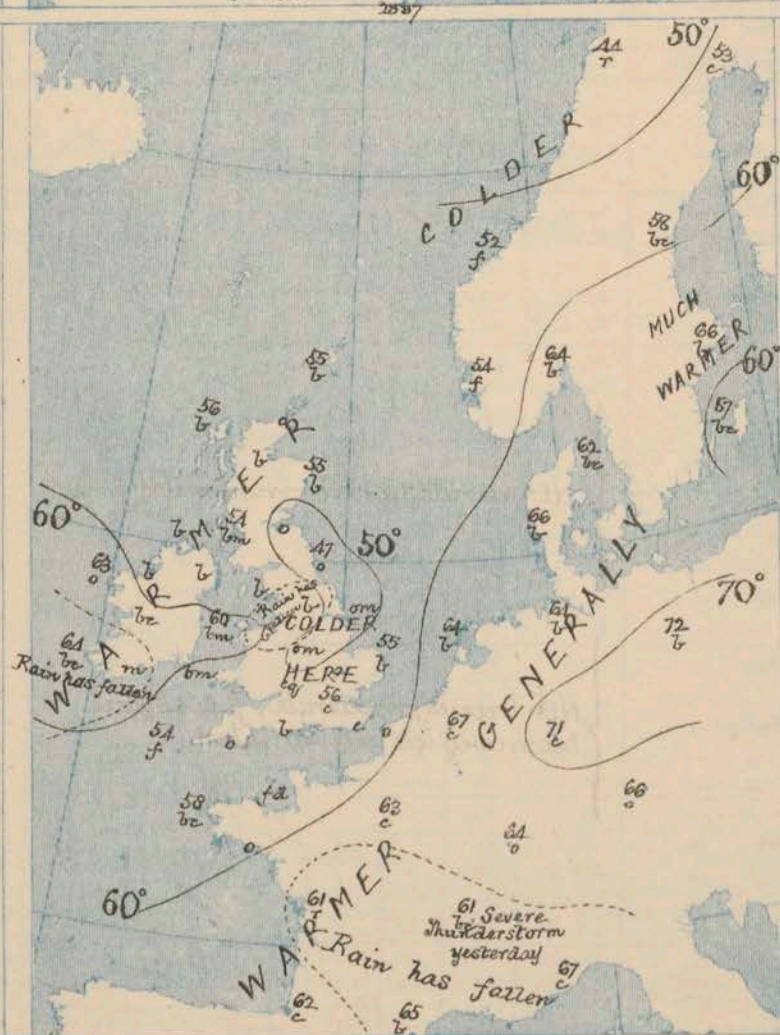
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of June.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 5 a.m.		
			Dry.	Wet.	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	46.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.75
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	56.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	66.2	48.3	56.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.62
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.6	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.96
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	3.26
Pembroke	60.3	51.4	55.0	52.9	2.09
Scilly	61.1	53.0	57.2	55.0	1.04
Jersey	64.8	52.6	58.7	55.9	1.83
Hurst Castle	63.9	51.9	57.6	55.4	2.07
Dover	63.3	53.1	58.6	55.1	1.72
LONDON	69.2	50.6	59.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.40
Yarmouth	62.2	51.4	56.9	54.1	2.02

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 to 30.4 ins. over the north of our Islands and the west of Norway.
 Lowest, 30.0 ins. and less in a large depression lying over Ireland and the east of Lapland, and also over Spain and the southern part of France.
 Gradients moderate over our southeastern countries and the north of France.
 Barometer falling slightly in Spain and Central France, rising slightly over our Islands and the North Sea.

TEMPERATURE

Highest, 72° at Berlin, 71° at Wiesbaden, 67° at Aix, 66° at Stockholm, 64° at Valence (Ireland) and 62° at Biarritz.
 Lowest, 44° at Rodô, 47° at Shields, 48° at Spurn Head and Loughborough and 49° at Leith.
 It has fallen over our Midlands and eastern counties since yesterday, risen quickly in Sweden and the northeast of France.

WIND

N^W (N to E) over the British Isles, North Sea, Germany and the north and west of France - light in most places, moderate to fresh on our southeast and east coasts. In Spain it is apparently SW^W, in Sweden NW^W.

WEATHER

Fair in most parts of our Islands, but dull over our northeastern counties.
 Raining at Rochefort, Jersey and Rodô. A severe thunderstorm occurred at Lyons yesterday afternoon.

SEA

Moderate on our northeastern and some part of our western coasts, slight in the southeast, smooth in the south.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There appears to be a shallow^d disturbance over Central France, which caused severe thunderstorms in that region yesterday afternoon. This may possibly produce unsettled weather over our southern counties tonight or in the morning. In the west and north the weather will be fine.

FORECASTS

for the 24 hours ending at NOON on 24th June 1883.

DISTRICTS.

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

FORECASTS.

NE^W winds, light to moderate; fine.

NE^W breezes, moderate; fine at first becoming less settled later.

DISTRICTS.

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

WARNINGS

FORECASTS.


Same as Nos 0 to 2.


Same as Nos 3 to 5.

Same as Nos 0 to 2.

E^W winds, light; fair to unsettled.

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 ...	30.12	65	56	W 2	6	2	Holyhead ...	30.12	57	55	MNE 3	0 m	2
Samburgh Head ...	30.33	58	50	NE 2	6	4	Valencia ...	30.09	63	60	S 0	0 m	0
Stornoway ...	30.29	58	53	E 5	6	4	Scilly ...	30.05	65	59	ESE 3	6 e	1
Aberdeen ...	30.32	54	50	E NE 3	6	3	Jersey ...	30.05	66	57	NW 3	6	3
Shields ...	30.25	49	47	N 4	5	4	Dungeness ...	30.06	60	57	W 2	0	1
Ardrossan ...	30.22	63	57	NE 5	6	2	London ...	30.08	65	62	MNE 1	0	*
Malin Head ...	30.20	56	52	ESE 2	6	2	Yarmouth ...	30.10	62	58	E 2	6	2
Mullaghmore ...	30.18	69	59	E NE 2	6	2	Rocheport ...	30.02	70	63	NW 4	6	2
Belmullet ...	30.15	68	57	NE 4	6	*							

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

Yesterday morning's report showed that a large high pressure area, in which readings varied considerably between 30.1 ins. and 30.3 ins.; covered the northern part of the British Islands, the North Sea, Denmark, and Scandinavia, and that from that region pressure decreased to rather below 29 ins. over northern and central Russia, the southeast of Austria, and the greater part of the Mediterranean. Gradients were irregular, and a very small and shallow disturbance lay over Tuscany. The wind was mainly N^W and NE^W in our Islands, Germany, and the Bay of Biscay, — light to fresh in force — but W^W or variable over the Channel, very variable in France, and W^W in the north of Scandinavia. The weather was wet and unsettled over England and the North Sea, with thunder at times, fine in most other places. Temperature was somewhat irregularly distributed over the northwestern countries, and had fallen greatly in Sweden. The highest individual readings at 8 a.m. were 80° at Palermo, 77° at Brindisi, 75° at Malta, 74° at Cagliari, Barcelona and Trieste, 73° at Legna, 69° at Langunair and Wiesbaden, 68° at Rome and Berlin, 66° at Perpignan, 64° at the Low, 63° at Palma; the lowest were 43° at Archangel, 46° at Rode, 47° at Shield, 48° in the east of Scotland, and 49° at Haparanda-Narvik.

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 24th June. 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 ..	30.02	51	2	0	C	30.10	+ .17	56	50	+ 3	N	2	bc	*	56	50	—	
	Hernösand ...	30.12	66	N	4	b	30.23	+ .09	58	51	0	N	4	b	*	77	50	—	
	Stockholm ...	30.15	57	SSE	2	C	30.19	+ .05	64	53	— 2	ENE	4	b	*	79	50	—	
	Wisby ...	30.19	60	S	4	b	30.16	— .06	59	54	+ 2	W	2	b	*	75	46	—	
	Bodö ...	30.19	45	WSW	6	f	30.16	+ .05	48	44	+ 4	WSW	8	C	5	75	43	—	
	Christiansund...	30.38	50	NNW	2	f	30.34	— .01	53	50	+ 4	WSW	1	f	1	54	48	—	
	Skudesbaes ...	30.27	52	NNW	4	m	30.24	— .01	58	55	+ 4	SSW	1	b	1	69	52	—	
	Christiania Fjord (Færder)	30.21	69	WSW	2	b	30.24	— .02	66	59	+ 2	NNE	3	b	1	72	64	—	
	Skagen (The Seaw)	30.26	63	NW	1	b	30.23	— .03	63	60	+ 1	NNW	1	b	0	75	54	—	
	Fanö ...	30.23	64	NE	1	b	30.22	— .04	68	60	+ 2	NE	2	b	*	73	57	—	
BRITISH ISLANDS.	Sumburgh Head	30.27	49	NE	3	0	30.32	— .04	46	45	— 9	NE	1	0	3	58	43	—	
	Stornoway ..	30.30	57	NE	4	b	30.24	— .08	54	52	— 2	E	2	b	2	60	42	—	
	Wick ...	30.37	58	NE	2	bc	30.31	— .09	50	49	— 5	SE	3	0	1	63	45	—	
	Nairn ...	30.34	60	ENE	1	b	30.29	— .09	48	45	— 4	L	0	0	1	60	44	—	
	Aberdeen...	30.36	55	ENE	2	b	30.31	— .07	48	47	— 7	ENE	1	C	2	63	46	—	
	Leith ...	30.34	59	E	1	b	30.30	— .09	47	46	— 2	E	3	0	*	60	45	—	
	Shields ...	30.31	48	NNE	3	0	30.25	— .09	47	46	0	N	3	0	4	51	45	—	
	Spurn Head ...	30.22	49	NNE	6	f	30.12	— .15	53	51	+ 5	NNE	5	b	4	53	45	—	
	York ...	30.27	59	N	3	b	30.17	— .15	57	53	+ 3	N	3	b	*	66	43	—	
	Loughborough	30.20	60	NE	3	b	30.11	— .15	50	49	+ 2	NNE	3	og	*	68	47	—	
GERMANY.	Ardrossan ...	30.25	68	NE	3	bm	30.20	— .19	54	51	0	NE	6	bm	3	70	45	—	
	Malin Head ...	30.26	57	ESE	1	b	30.18	— .12	54	51	0	SE	2	bm	2	58	51	—	
	Mullaghmore ...	30.25	68	NNW	2	b	30.14	— .15	59	55	+ 1	E	5	b	3	72	55	—	
	Belmullet ...	30.25	66	ENE	2	b	30.12	— .15	65	58	+ 2	E	1	b	*	70	55	—	
	Donaghadee ...	30.26	66	NE	3	b	30.18	— .14	55	53	0	NNE	3	b	2	69	49	—	
	Barrow-in-Furness	30.21	69	E	2	bc	30.12	— .14	66	58	+ 8	NE	3	bc	*	73	57	—	
	Liverpool (Bidston)	30.20	68	ENE	4	b	30.09	— .18	62	55	+ 2	N	1	C	2	73	50	—	
	Holyhead ...	30.19	58	NNE	4	b	30.09	— .15	55	53	— 5	NE	5	C	4	63	52	—	
	Parsonstown ...	30.21	70	E	1	b	30.09	— .16	59	54	— 1	NNE	2	C	*	73	49	—	
	Valencia ...	30.19	64	NNW	3	bc	30.03	— .23	65	59	+ 1	SW	1	bm	1	67	53	—	
FRANCE & NETHERLANDS.	Roche's Point...	30.19	68	ESE	2	b	29.95	— .29	64	59	+ 3	ENE	3	bc	3	69	54	—	
	Pembroke ...	30.10	66	NNE	3	bc	29.99	— .19	58	57	— 1	ENE	2	pm	1	70	57	—	
	Scilly ...	30.06	59	NNE	4	om	29.92	— .23	59	56	+ 5	E	3	0	4	61	53	—	
	Prawle Point ...	30.03	66	NNE	4	C	29.95	— .18	55	54	— 4	NE	5	om	4	71	53	—	
	Jersey ...	29.99	61	NE	3	ogr	29.91	— .17	61	58	+ 3	ENE	3	bm	3	62	56	0.09	
	Hurst Castle ...	30.05	55	NE	4	bc	29.97	— .14	56	56	— 5	ENE	3	omd	1	70	54	0.02	
	Dungeness ...	30.02	62	NE	5	C	29.95	— .11	58	58	0	E	3	f	3	64	56	0.05	
	London ...	30.09	65	NNE	4	bc	30.00	— .16	57	56	+ 1	ENE	1	0	*	71	53	0.08	
	Oxford ...	30.13	55	NE	4	b	30.03	— .19	51	51	0	NE	3	og	*	68	50	0.05	
	Cambridge ...	30.13	56	N	2	*	30.07	— .15	59	58	+ 6	NNE	1	0	*	61	49	—	
PENINSULA.	Yarmouth ...	30.14	57	N	5	b	30.05	— .13	57	56	+ 2	ENE	5	eg	4	57	52	—	
	Cuxhaven ...	30.24	65	ENE	3	b	30.22	+ .02	64	61	0	E	3	b	*	72	52	—	
	Berlin ...	30.14	72	ENE	5	b	30.15	— .02	69	61	— 3	SE	1	b	*	82	59	—	
	Wiesbaden ...	*	*	*	*	*	30.08	+ .06	71	64	0	L	0	C	*	82	61	0.91	
	Munich ...	30.02	68	SW	1	C	30.12	+ .10	66	62	0	NNW	1	b	*	79	59	0.04	
	The Helder ...	30.07	64	NE	4	bc	30.07	— .06	64	61	0	E	3	bc	2	70	63	—	
	Brussels ...	*	*	*	*	*	30.00	— .07	70	67	+ 3	SE	3	b	*	81	63	0.87	
	Cape Gris Nez...	30.02	57	NE	5	0	29.98	— .09	63	63	+ 8	E	1	f	1	75	55	0.04	
	Paris ...	29.96	71	ENE	3	bc	29.97	+ .01	65	61	+ 2	S	1	b	*	72	56	0.56	
	Brest ...	30.04	56	WSW	4	0	29.91	— .18	58	55	0	NE	3	0	2	72	45	0.04	

For Explanation of Columns, see p. 4.

† Received too late for insertion in *Chronicle* on p. 4.

WEATHER CHARTS

For 8 a.m. on

Sunday, 24th June

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 June.

During the 15 Years 1871 — 1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shields	29.928
York	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON.	29.976
Oxford	29.964
Cambridge	29.967
Yarmouth.	29.963



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.

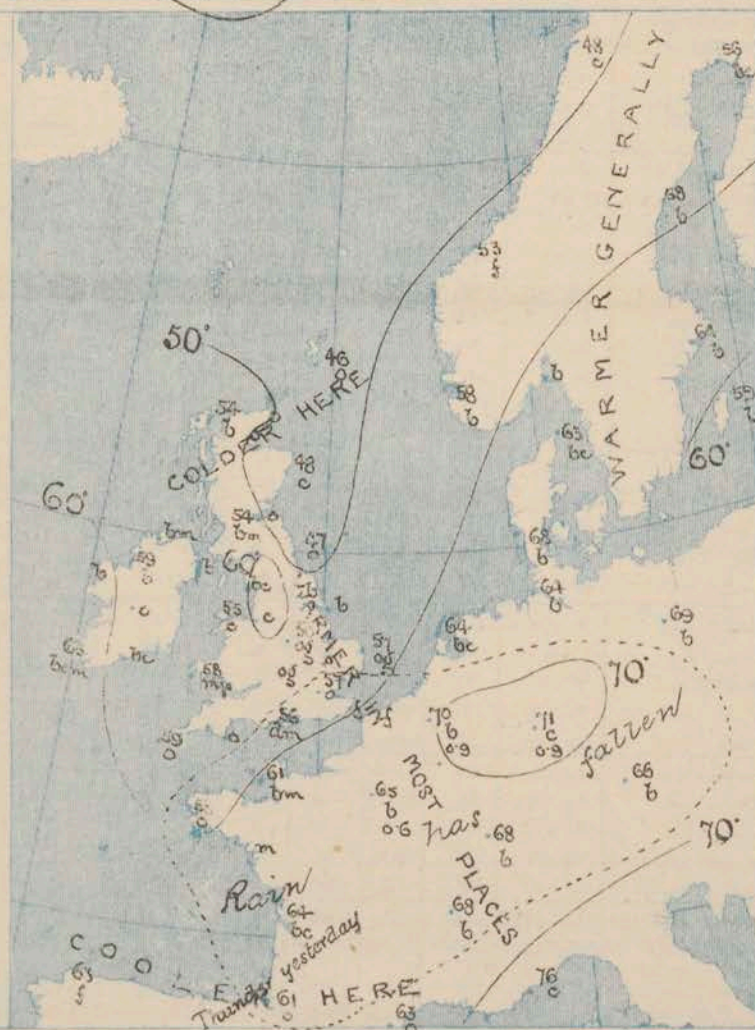
Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of June.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	Dry at 8 a.m.	Wet	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	46.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.75
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	56.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	66.2	48.3	56.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.62
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.8	55.6	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.96
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	3.26
Pembroke	60.3	51.4	55.0	52.9	2.09
Scilly	61.1	53.0	57.2	55.0	1.94
Jersey	64.8	52.6	58.7	55.9	1.83
Hurst Castle	63.9	51.9	57.6	55.4	2.07
Dover	63.3	53.1	58.6	55.1	1.72
LONDON.	69.3	50.6	59.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.46
Yarmouth.	62.2	51.4	56.9	54.1	2.02

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 in: in a high pressure area covering North Germany, the Baltic, Scandinavia, the North Sea and N. of our Islands. Lowest, 29.9 in: and less, in a low pressure system lying over the Bay of Biscay and north of Spain. Gradients moderate over England, slight elsewhere. Barometer falling slightly in most places - especially in the southwest, rising slightly over Western Germany.
TEMPERATURE	Highest, 76° at Nice, 71° at Wiesbaden, 70° at Brussels, 69° at Berlin, 68° at Paris, 65° at Paris and Valencia, 64° at Stockholm. Lowest, 46° at Lumburg, 47° at Leith and Shields, 48° at Christiania, Kain, and Aberdeen, and 50° at Loughborough. It was rising over Belgium and the east of France, but had fallen in Scotland.
WIND	N th and NE th over the United Kingdom and North Sea, very variable in Germany and France, SW in Norway, NW to N in Sweden. It is light to fresh in force in our Islands, and shows some tendency to veer in the west.
WEATHER	Fine at present at the Continent, as well as the Irish and West of Scotland stations, dull, close and rather wet in the south, with fog in the Straits of Dover, and an unsettled appearance in the southern regions generally. Rain has fallen over our southern counties this morning.
SEA	Moderate both in the east and west, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression over the Bay of Biscay and some subordinate systems over France seem to be moving northwards slowly.

FORECASTS

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

DISTRICTS.

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

FORECASTS.

NONE ISSUED

DISTRICTS.


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


WARNINGS

FORECASTS.

NONE ISSUED

NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.32	63	55	WST 4	b	2	Holyhead ...	30.25	59	55	NNE 3	bm	3
Sumburgh Head ...	30.38	53	51	NE 3	b	4	Valencia ...	30.23	65	61	NN 3	bm	3
Stornoway ...	30.33	59	56	E 4	bc	3	Scilly ...	30.12	59	57	NNE 5	om	3
Aberdeen ...	30.36	57	52	ENE 2	b	2	Jersey ...	30.03	60	58	NNE 3	r	3
Shields ...	30.24	49	46	NNE 3	c	3	Dungeness ...	30.04	63	59	NE 5	bc	4
Ardrossan ...	30.29	70	59	ENE 3	b	2	London ...	30.11	68	60	N 4	bc	*
Malin Head ...	30.30	56	53	ESE 2	b	1	Yarmouth ...	30.18	56	54	N 4	bc	4
Mullaghmore ...	30.27	71	63	NNW 1	b	1	Rochefort ...	29.98	65	64	NE 4	o	2
Belmullet ...	30.27	70	62	ENE 2	b	*							

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

The reports for yesterday morning showed that pressure, which was still highest over the British Isles and North Western Europe generally, varied from 30.3 ins: and more over Scotland, the northeast of Ireland, and the west of Norway, to about 29.7 ins: over the extreme north of Russia and on the shores of the White Sea, and to rather below 29.3 ins: in a shallow depression, lying over the Mediterranean as well as in another larger one lying off the west of Portugal. There was also some very shallow local disturbances observed over France. The wind, which was still E^{ly} to NE^{ly} over the North Sea, Germany, the British Isles, north of France and Bay of Biscay, was very variable over Central France, and S^{ly} in the west and south of the Spanish Peninsula. The weather was fair, but variable over North Western Europe as a whole, but unsettled over France, where thunderstorms had been prevalent during the previous 24 hours. Fog prevailed in the west of Norway and at the mouth of the Channel, drizzling rain at Jersey. Temperature ranged from between 65° and 80° on the shores of the Mediterranean to between 45° and 50° over Northern Europe and was very unequally distributed over the British Isles and their neighbourhood. The highest individual values were 80° at Riscia (Algeria) and at Cagliari, 78° at Palermo, 77° at Malta, Brindisi, and Trieste, 76° at Utrecht, 73° at Leiria and Limerick, 72° at Berlin, 71° at Kistadeu, 67° at Aice and 66° at Munich and Stockholm. The lowest were 44° at Rodo, 47° at Archangel and North Shields, 48° at Spurn Head and 49° at Faith.

The weather remained fair in our Islands during the day, but thunderstorm disturbances increased over France and spread northwards later on.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Monday, 25th June 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.			Sea. (0 to 9.)	SHADE TEMP.	Max.	Min.	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.)						
SCANDINAVIA.	Haparanda ..	29.87	50	W	2	0	29.73	-.14	63	55	+.17	NW	6	6	*	3	39		
	Hernösand ...	30.19	57	NW	2	0	30.10	-.09	69	56	+.11	N	6	6	*	75	48		
	Stockholm ...	30.21	61	S	2	0	30.16	-.05	68	59	+.07	Z	0	6	*	73	52		
	Wisby ...	30.26	55	ESE	4	6	30.21	-.05	58	53	-.05	NW	2	6	*	72	54		
	Bodö ...	30.08	47	WSW	8	0	30.08	-.08	47	45	-.02	WSW	6	0	4	16	45		
	Christiansund...	30.30	56	NE	2	6	30.30	-.04	60	54	+.06	NE	3	6	2	61	50		
	Skudesnæs ...	30.25	64	Z	0	6	30.24	-.01	61	57	+.07	Z	0	6	1	57			
	Christiania Fjord (Fæder)	30.20	71	WSW	3	6	30.23	-.03	68	63	+.05	Z	0	6	0	77	66		
	Skagen (The Sound)	30.21	66	Z	0	6	30.23	-.02	68	62	+.06	Z	0	6	0	82	61		
	Fanö ...	30.21	64	E	2	6	30.24	+.03	73	64	+.09	E	3	6	*	77	59		
BRITISH ISLANDS.	Sumburgh Head	30.30	47	ESE	1	0	30.25	-.05	44	44	-.02	NE	1	6	1	49	41		
	Stornoway ...	30.16	60	E	2	6	30.11	-.05	60	57	+.03	Z	0	6	2	61	45		
	Wick ...	30.24	52	SE	2	6	30.22	-.02	52	51	+.01	SE	2	6	1	54	45		
	Nairn ...	30.23	52	Z	0	0	30.19	-.04	53	50	+.03	ESE	2	0	2	58	46	0.09	
	Aberdeen ...	30.26	52	ESE	1	6	30.23	-.03	46	46	-.01	ESE	1	0	1	56	40		
	Leith ...	30.21	52	E	4	6	30.18	-.03	48	48	+.01	E	2	6	*	53	45		
	Shields ...	30.17	54	N	4	6	30.14	-.03	54	51	+.03	N	3	6	3	54	45		
	Spurn Head ...	30.07	57	NE	3	6	30.09	+.02	56	54	+.02	NNE	3	6	3	60	50	0.01	
	York ...	30.11	61	NNE	1	0	30.12	+.01	60	56	+.04	N	1	6	*	73	48		
	Loughborough	30.02	70	NE	3	6	30.08	-.06	63	59	+.04	NE	2	6	*	72	49		
GERMANY.	Ardrossan ...	30.10	69	NE	5	6	30.09	-.01	60	56	+.04	NNE	5	6	3	71	50		
	Malin Head ...	30.04	58	E	2	6	30.05	+.01	63	59	+.04	SE	3	6	2	63	54		
	Mullaghmore ...	30.00	66	ESE	2	6	30.00	-.04	62	59	+.03	E	4	6	2	69	58		
	Belmullet ...	29.48	68	E	3	6	29.47	-.01	63	60	+.03	SE	3	6	*	73	60		
	Donaghadee ...	30.05	63	E	3	6	30.08	+.03	57	55	+.02	NNE	2	6	1	67	53		
	Barrow-in-Furness	30.04	67	NE	4	0	30.04	-.05	64	60	-.04	NE	3	6	*	75	59		
	Liverpool (Bidston)	30.02	67	ESE	4	6	30.05	+.03	71	62	+.07	ESE	2	6	2	71	55		
	Holyhead ...	29.94	65	E	2	0	30.01	+.07	67	64	+.03	ESE	1	6	2	67	54		
	Parsonstown ...	29.98	62	Z	0	0	29.99	+.01	65	61	+.04	Z	0	6	*	68	58		
	Valencia ...	29.95	61	SW	1	0	29.95	-.08	60	58	-.02	ESE	1	6	1	73	56	0.05	
FRANCE & NETHERLANDS.	Roche's Point...	29.94	55	ESE	4	6	29.98	+.04	59	59	-.01	ESE	3	6	3	66	54	0.05	
	Pembroke ...	29.96	60	ESE	3	6	29.96	-.03	63	62	+.01	ESE	3	6	2	64	53	0.16	
	Scilly ...	29.90	57	E	4	0	29.95	+.05	57	56	+.01	NW	1	6	3	60	54		
	Frawle Point ...	29.93	59	ESE	4	6	29.95	+.02	65	61	+.04	NE	4	6	3	65	53	0.05	
	Jersey ...	29.89	74	NNE	1	6	29.96	+.07	63	60	+.03	SE	1	6	1	78	60	0.46	
	Hurst Castle ...	29.94	68	E	2	6	30.00	+.06	64	62	+.02	ESE	3	6	0	70	56	0.04	
	Dungeness ...	29.94	63	ESE	3	6	29.97	+.03	69	65	+.04	ESE	2	6	1	70	57		
	London ...	29.99	71	ESE	2	6	30.02	+.03	71	66	+.05	E	1	6	*	77	57		
	Oxford ...	29.98	60	E	1	6	30.03	+.05	67	64	+.03	NE	1	6	*	73	51	0.01	
	Cambridge ...	30.02	72	E	1	6	30.05	+.03	68	65	+.03	N	1	6	*	79	52		
GERMANY.	Yarmouth ...	30.05	62	ESE	2	6	30.06	+.01	61	59	+.02	NE	1	6	2	62	53	0.02	
	Cuxhaven ...	30.20	64	E	3	6	30.14	-.06	66	63	+.03	ESE	3	6	*	73	63		
	Berlin ...	30.15	77	ESE	3	6	30.22	+.07	72	61	+.09	ESE	2	6	*	86	61		
	Wiesbaden ...	*	*	*	*	*	30.06	-.02	73	66	+.07	NW	1	6	*	82	63		
	Munich ...	30.08	68	E	2	6	30.10	+.02	68	65	+.03	Z	0	6	*	79	55		
	The Helder ...	30.04	67	ESE	1	6	30.07	+.03	69	63	+.06	E	1	6	1	73	64		
	Brussels ...	*	*	*	*	*	30.00	-.04	73	69	+.04	E	1	6	*	88	64		
	Cape Gris Nez...	29.98	72	ESE	3	6	30.00	+.02	63	61	+.02	ESE	3	6	2	73	62		
	Paris ...	29.97	77	E	3	6	30.05	+.08	66	63	+.07	NE	1	6	*	83	61		
	Brest ...	29.94	64	Z	0	m	30.04	+.10	59	58	+.01	N	1	6	1	72	45	0.95	
GERMANY.	Lorient ...	29.62	66	Z	0	0	29.95	+.03	62	61	+.01	Z	0	6	1	70	59	0.20	
	Rocheport ...	29.94	62	NW	4	6	30.01	+.07	65	62	+.03	NW	3	6	2	73	55	0.35	
	Belfort ...	30.00	77	E	1	6	30.05	+.05	70	65	+.05	E	1	6	*	80	57		
	Lyons ...	29.97	70	SE	1	6	30.06	+.09	61	60	+.01	SE	1	6	*	82	60	0.12	
	Nice ...	30.02	74	W	1	6	30.04	+.02	67	62	+.05	E	1	6	0	81	64		
	Perpignan ...	29.95	68	SE	3	0	30.00	+.05	64	60	+.04	E	1	6	0	76	57	0.57	
	Biarritz ...	29.87	68	ESE	3	6	30.01	+.14	62	60	+.02	W	4	6	1	75	61	0.20	
	Corunna ...	*	*	*	*	*													
	Lisbon ...	30.20	64	W	4	6	30.11	+.09	62	60	+.02	NW	3	6	5	70	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 Monday, 25th June.

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,
→ = force 7, → = forces 4 to 7,
○ = dead calm

Sea Disturbance — where considerable is shown thus.

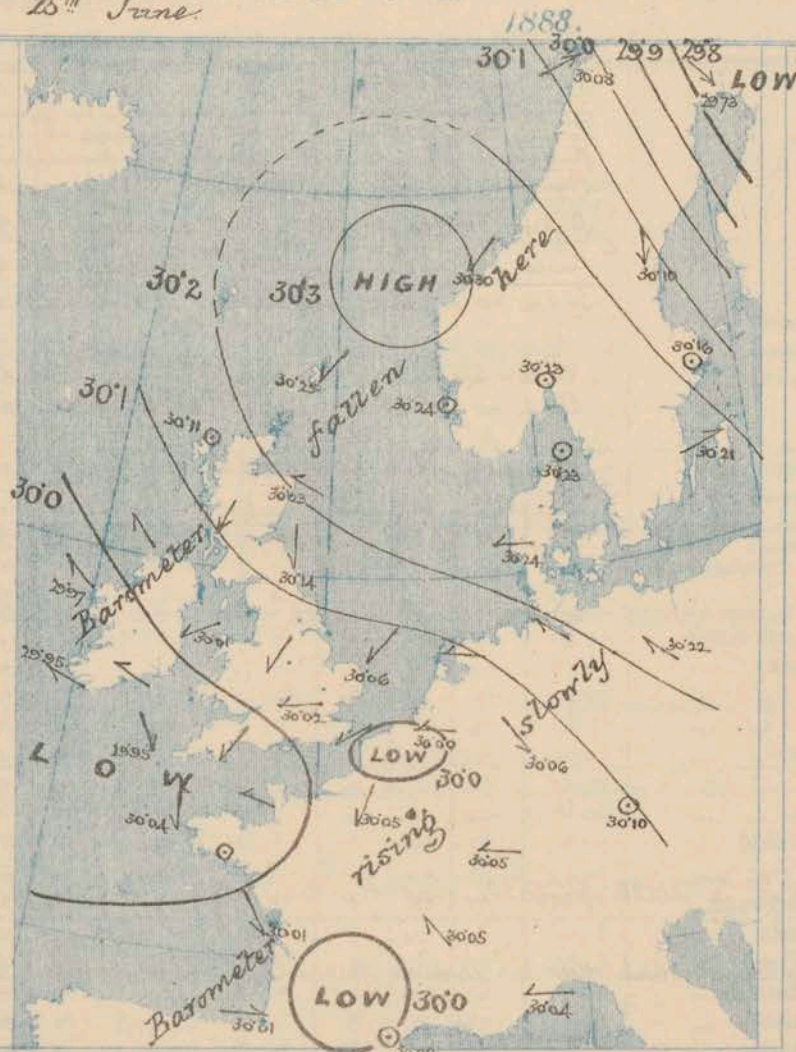
■ = Rough, ■ = High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shiel	29.928
York	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.964
Cambridge	29.967
Yarmouth	29.963



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.

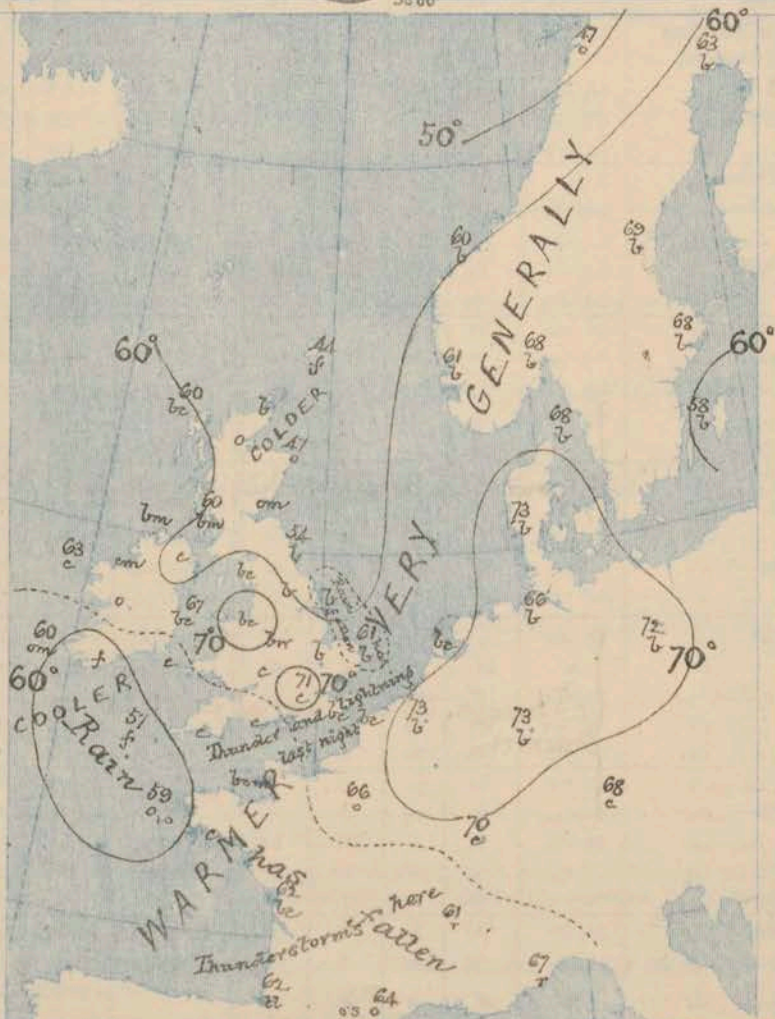
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of June.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	46.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.75
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	55.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	60.2	48.3	56.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.62
Donaghadee	60.9	48.9	55.0	52.6	2.04
Holyhead	61.7	51.6	55.8	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.96
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	3.26
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LONDON	69.3	50.6	69.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.40
Yarmouth	62.2	51.4	56.9	54.1	2.02

NOTE — The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 50 years 1836—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in: to 30.3 in: in an anticyclone lying over the east of Scotland, Denmark, and the south of Scandinavia.
Lowest, About 29.8 in: off the south of Ireland and rather below 30.0 in: in local depressions over Belgium and the southwest of France.
Gradients moderate to slight, and becoming favourable for winds from a more S. point than of late.
Barometer falling in west and north, rising in south—most over Spain.

TEMPERATURE

Highest, 43° at Wiesbaden, Taus, and Brussels, 42° at Berlin, 41° in London and at Liverpool, 63° at Ouzouer, the Helder and Harwich, and 67° at Kiel.
Lowest, 44° at Lumburg N., 47° at Abundus and Bodo, 48° at Leth, and 52° at Neek.
It has risen quickly over England and at several eastern and southern stations since yesterday.

WIND

W. over Spain, very variable over France, E. (SE. to NE) over the British Isles and North Sea.
Calm in south of Norway, SW. to NW. strong over north of Scandinavia.

WEATHER

Fair as a whole, but variable locally, and appearance not settled.
Fog prevails on several parts of our southwest coasts and at Sumburg Head, rain and thunder in the south of France.
Rain fell yesterday—slightly in Ireland, and heavily about the mouth of the Channel, where thunderstorms occurred.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

It is still probable that the thunderstorm depressions existing over France will affect our southern coasts shortly, and that the E. winds prevailing in our Islands will before long give way to winds from the S. and W.

FORECASTS

For the 24 hours ending at NOON on 26th June. 1888.

DISTRICTS.

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

FORECASTS.

E. and SE. breezes, light; foggy to fine
E. breezes, light; fair at first and warm.

DISTRICTS.

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

FORECASTS.

Varying E. breezes; fine generally.
SE. and variable breezes; fair but foggy 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.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnæs ...	30.25	67	60	W 4	6	1	Holyhead ...	30.00	59	56	NE 5	cm	4
Sumburgh Head ...							Valencia ...						
Stornoway ...	30.17	61	57	E 2	6	2	Scilly ...						
Aberdeen ...							Jersey ...	29.90	78	68	E 2	6	2
Shields ...							Dungeness ...	29.95	63	60	ENE 2	m	2
Ardrossan ...							London ...						*
Malin Head ...	30.10	57	53	ESE 2	c	1	Yarmouth ...						
Mullaghmore ...							Rochefort ...	29.93	64	62	NE 4	c	2
Belmullet ...	30.04	71	61	E 3	6	*							

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

Yesterday morning's reports showed that pressure varied from between 30.1 ins. and 30.3 ins. in a high pressure area which lay over Scandinavia, the north of the British Islands, the North Sea and north Germany, from these regions the barometric values decreased to rather below 29.9 ins. in a low pressure area over the Bay of Biscay, and to about the same value over northern Russia and Tunis. Gradients were slight in most places and irregular, and while variable airs and rather thundery weather were prevalent over the Continent, NE. winds and finer weather were reported over the greater part of the British Islands. Temperature was inclined to increase over Germany and France, and its distribution was rather peculiar. The highest individual values at 8 a.m. were 80° at Biskra (Algeria) 79° at Brindisi, 78° at Trieste, 76° at Naples, Palermo and Nice, 74° at Malta, 71° at Wiesbaden and Cassel, 70° at Brussels, 69° at Berlin, 68° at Fiume and 66° at Haerder. The lowest were 38° at Archangel, 46° at Sumburgh Head, 47° at Lath and Shields, and 48° at Bodø, Nairn and Aberdeen. At Lisbon it was only 60° and at Biarritz 61°. Later in the day the sky cleared in the southeast of England, and temperature rose quickly, while thunderstorms occurred at the mouth of the Channel, and at several Continental stations.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 17TH TO THE 23RD JUNE 1888.

Throughout this week pressure was highest at the northwestern and northern stations, and lowest in the south or southeast; the gradients, however, were as a rule slight, and the wind was consequently of little strength. At first the distribution over our Islands was anticyclonic, and while dull, cold weather prevailed over Great Britain, with occasional very slight falls of rain in places and moderate N. winds, the weather in Ireland, and frequently over Sweden also, was bright and warm, while in Germany it was wet and unsettled. Gradually, however, thunderstorm disturbances began to appear over France and Belgium, and these slowly extended to England where thunderstorms of considerable severity with heavy local rain occurred on Wednesday, Thursday and Friday (especially on Thursday) while in Ireland and Scotland there were none reported. Temperature changed fitfully over England, but was never high. At the close of the week, slight showers were still felt at times over our southern counties, and on the Continent, close, changeable and thundery weather continued, and much rain was again falling over Germany.

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, 26th June 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.	
				Dirco.	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.	Dirco.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..																		
	Hernösand ...																		
	Stockholm ...	30.01	71	E.N.E.	2	0	30.08	-08	66	54	-2	N	4	b	*	84	52	-	
	Wisby ...	30.06	64	SW	4	b	30.05	-16	60	53	+2	N.E.	4	b	*	73	54	-	
	Bodö ...	30.21	44	N	1	0	30.18	+10	46	42	-1	Z.	0	c	1	46	43	-	
	Christiansund...	30.16	63	N.E.	3	b	30.17	-19	60	54	0	E.N.E.	1	b	1	68	52	-	
	Skudesnaes ...	30.17	66	W	2	b	30.04	-20	68	61	+7	Z.	0	b.c	1	77	61	-	
	Christiania Fjord (Fæder)	30.06	72	W	3	b	30.06	-17	69	60	+1	N.N.E.	3	b	1	73	64	-	
	Skagen (The Scaw)	30.10	65	Z.	0	b	30.04	-19	71	59	+3	W.N.W.	1	b	0	81	61	-	
	Fanö ...	30.11	65	E	2	b	30.04	-20	68	61	-5	E	4	b	*	81	61	-	
BRITISH ISLANDS.	Sumburgh Head	30.19	45	Z.	0	m	30.08	-17	46	46	+2	E.N.E.	8	m	2	50	41	-	
	Stornoway ..	30.63	68	N.E.	2	b	29.94	-17	64	60	+4	Z.	0	b	2	72	60	-	
	Wick ...	30.14	57	S	3	b.c	30.03	-19	58	56	+6	S	1	b	0	58	48	-	
	Nairn ...	30.05	62	N.W.	1	b	30.00	-19	56	53	+3	Z.	0	m	1	66	45	-	
	Aberdeen...	30.14	56	S.S.E.	1	b	30.04	-19	61	56	+4	E.N.E.	1	b	1	61	45	-	
	Leith ...	30.10	53	E.N.E.	2	b	30.02	-16	55	54	+7	E.S.E.	1	c	*	55	47	-	
	Shields ...	30.06	54	N	3	b	29.96	-18	58	54	+4	N	3	b	3	59	48	-	
	Spurn Head ...	30.01	57	N	3	b	29.89	-20	57	54	+1	N.N.E.	3	b	2	61	52	-	
	York ...	30.03	75	E	2	b	29.92	-20	61	57	+1	N	2	b	*	82	49	-	
	Loughborough	29.96	73	E.N.E.	2	c	29.89	-19	62	58	-1	N.E.	2	c.w	*	84	53	-	
GERMANY.	Ardrossan ...	30.11	70	N.E.	3	0	29.94	-15	65	59	+5	N.E.	4	b.f	2	75	54	-	
	Malin Head ...	29.94	62	E.S.E.	3	b.m	29.87	-18	58	56	-5	E.S.E.	3	c.w	2	68	56	-	
	Mullaghmore ...	29.91	73	E.S.E.	4	b	29.84	-16	64	61	+2	N.N.E.	2	0	2	76	59	-	
	Belmullet ...	29.90	65	S	1	c.t.p	29.84	-13	62	60	-1	E.S.E.	1	0	*	75	55	0.05	
	Donaghadee ...	30.03	62	SW	2	r	29.91	-17	57	55	0	N.N.E.	2	b.c	1	70	52	0.19	
	Barrow-in-Furness	29.98	77	E.N.E.	3	b	29.88	-19	69	61	+5	N.E.	3	b	*	82	63	-	
	Liverpool (Bidston)	29.97	68	N.W.	1	0	29.87	-18	71	61	0	E.S.E.	1	b	2	82	59	0.13	
	Holyhead ...	29.97	67	Z.	0	o.p	29.88	-13	67	63	0	S	1	b.c.m	1	78	58	0.24	
	Parsonstown ...	29.92	75	S.E.	1	b.c	29.87	-12	60	58	-5	Z.	0	0	*	76	57	-	
	Valencia ...	29.91	60	S.S.E.	4	o.m	29.81	-14	61	59	+1	S.E.	4	c.w	4	64	57	-	
FRANCE & NETHERLANDS.	Roche's Point...	29.94	58	SSW	2	f	29.87	-11	60	59	+1	S.S.E.	3	m	3	62	56	-	
	Pembroke ...	29.94	67	E.S.E.	1	b.c	29.91	-05	57	57	-6	SW	1	f	1	70	55	-	
	Scilly ...	29.94	60	Z.	0	o.f	29.89	-06	57	57	0	W.S.E.	3	f	3	60	55	-	
	Prawle Point ...	29.93	64	W	2	b.c	29.93	-02	56	56	-9	W	3	f	3	65	51	-	
	Jersey ...	29.95	68	N.W.	3	b.c.m	29.96	-00	55	54	-8	W.N.W.	2	o.m	2	71	52	-	
	Hurst Castle ...	29.95	63	W	3	b	29.89	-11	60	60	-4	W	2	f	0	73	56	-	
	Dungeness ...	29.91	69	E	1	0	29.83	-14	58	56	-11	W	2	f	1	75	55	0.03	
	London ...	29.93	75	S.E.	1	b.c	29.90	-12	66	63	-5	E.N.E.	1	o.f	*	85	61	-	
	Oxford ...	29.93	66	N	1	c	29.84	-14	61	59	-6	N.W.	1	c	*	77	56	0.48	
	Cambridge ...	29.94	79	E	1	c	29.86	-19	58	58	-10	S	1	f.e.r	*	88	52	0.16	
PENIN- SULA.	Yarmouth ...	29.97	64	N.E.	2	b	29.86	-20	62	59	+1	N.E.	2	b	2	65	56	-	
	Cuxhaven ...	30.14	66	E	3	b	30.07	-07	66	64	0	E	3	b	*	73	64	-	
	Berlin ...	30.06	75	E.S.E.	2	b	30.02	-20	72	62	0	E.S.E.	2	b	*	88	63	-	
	Wiesbaden ...	*	*	*	*	*	30.01	-05	67	63	-6	SW	1	c	*	84	64	0.24	
	Munich ...	29.97	69	S	1	0	30.07	-03	66	61	-2	SW	3	b	*	81	59	-	
	The Helder ...	29.95	67	E.N.E.	1	b.c	29.87	-20	68	62	-1	E	1	b	1	73	64	-	
	Brussels ...	*	*	*	*	*	29.90	-10	66	63	-7	SSW	4	c	*	83	62	0.55	
	Cape Gris Nez...	29.93	60	Z.	0	0	29.88	-12	57	57	-6	WSW	3	0	2	81	55	0.12	
	Paris ...	29.99	69	SW	3	b.c	29.95	-10	63	61	-3	SW	1	b.c	*	80	60	0.04	
	Brest ...	30.01	66	S	1	b	29.97	-07	64	55	+5	SW	1	m	2	70	?	-	

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on

Tuesday, 26th June

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;
→ = force to 7; → = forces 1 to 4;
○ = dead calm

Sea Disturbance — where considerable is shown thus.

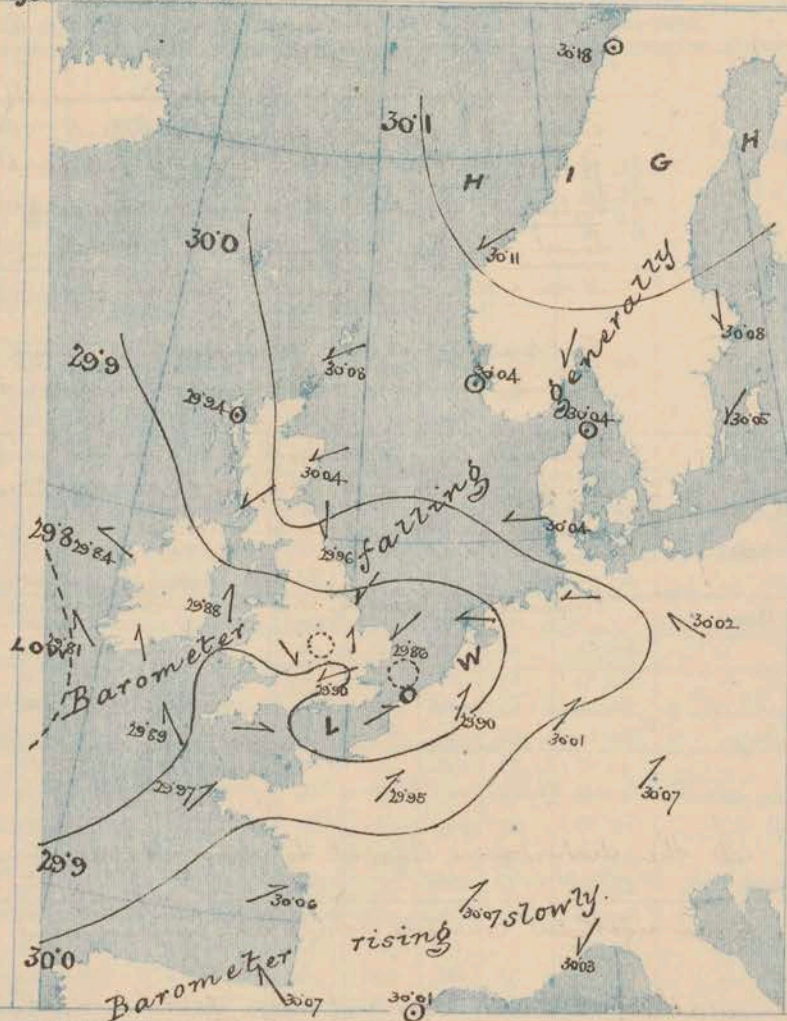
— Rough — High

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871-1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shiel	29.928
Yori	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.964
Cambridge	29.987
Yarmouth	29.968



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.

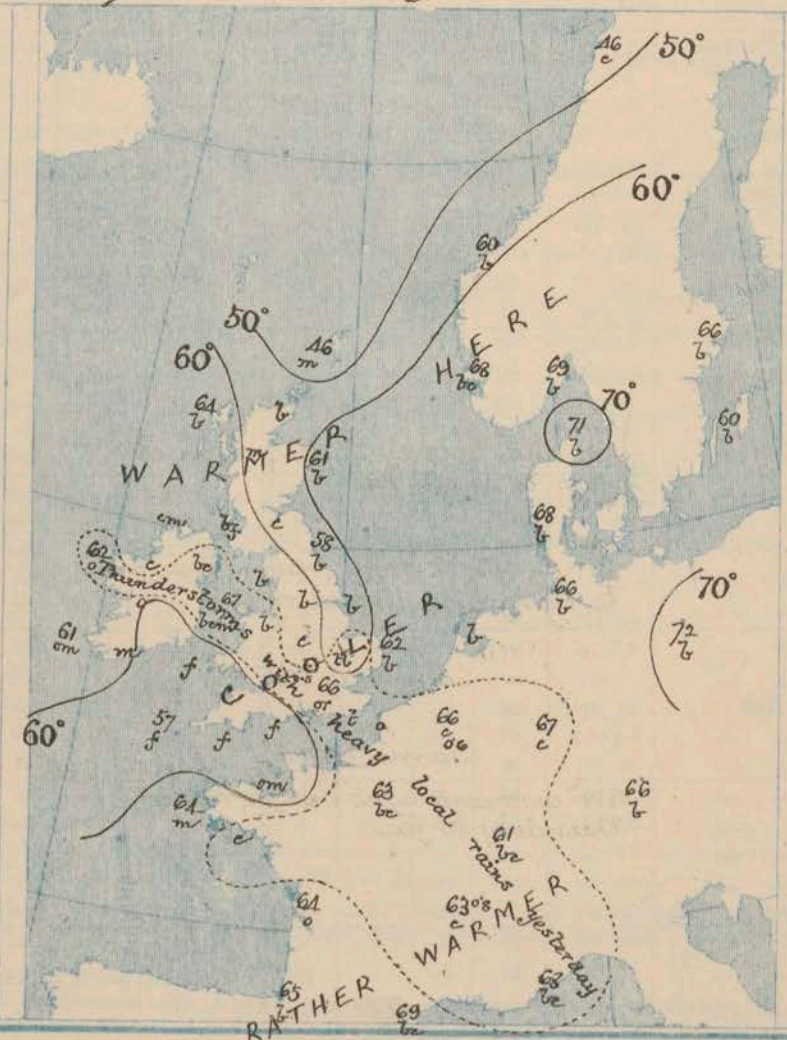
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of June.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m. Dry	Wet	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	46.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.75
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.6	54.7	50.9	1.88
Leith	64.5	48.1	56.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	68.2	48.3	56.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.62
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.6	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.96
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	3.26
Pembroke	60.3	51.4	55.0	52.9	2.09
Scilly	61.1	53.0	57.2	55.0	1.94
Jersey	64.8	52.6	58.7	55.9	1.83
Hurst Castle	63.9	51.9	57.6	55.4	2.07
Dover	63.3	53.1	58.6	55.1	1.72
LONDON	69.3	50.6	59.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.40
Yarmouth	62.2	51.4	56.9	54.1	2.02

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: and more, both over Spain and the northern half of Scandinavia.
Lowest, 29.8 in: and less, off the west of Ireland — 29.8 in: to 29.9 in: in a complete series of depressions lying over England and the Netherlands.
Gradients slight and variable. Barometer falling except over Spain and the south and west of France.

TEMPERATURE

Highest, 72° at Lisbon, 71° at the Scaw, 69° at Perpignan, 68° to 69° in the south of Norway, 67° at Wiesbaden, 66° in London and at Munich and Stockholm.
Lowest, 46° at Bodø and Lumburgh Head, 56° at Kinn, 58° at Malin Head and Farnbridge.
It rose to 85° in London and 88° at Cambridge yesterday afternoon; has risen since in north, fallen in south.

WIND

Light to moderate in force — very variable in direction. Mainly W^{ly} and SW^{ly} at the southern stations, NE^{ly} and E^{ly} in the north.
SE^{ly} and S^{ly} in Ireland — very variable airs prevail over Central England.

WEATHER

Fine and bright in the north and northwest — cloudy and unsettled in Ireland.
Very foggy on our southwest coasts — dull, close, showery, and thundery over the southeastern and midland counties.
Severe thunderstorms occurred yesterday except in the north.

SEA

Moderate at Valencia, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the disturbances referred to above advance northwards the thunderstorms and rain are likely to spread to our northern counties, while an improvement may be expected in the south. Permanently settled weather, however, does not seem probable at present.

FORECASTS

For the 24 hours ending at NOON on 27th June 1888.

DISTRICTS.

FORECASTS.

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

SE^{ly} and S^{ly} breezes, light, warm, close, fair to unsettled.
Varying light breezes; warm, close, fine to rainy and thundery.
Same as No. 5
Same as No. 2
SW^{ly} airs and light breezes; rainy, thundery to fair.

DISTRICTS.

FORECASTS.

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

Same as No. 0 and 1.
SW^{ly} and S^{ly} winds; foggy and close to clear, warm.
SE^{ly} and S^{ly} breezes, moderate, some rain.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.22	76	63	WNW 4	bc	1	Holyhead ...	29.99	75	67	E 1	c	1
Sumburgh Head ...	30.23	48	47	2 0	c	1	Valencia ...	29.92	62	60	SE 4	cm	4
Stornoway ...	30.06	71	65	NE 2	b	2	Scilly ...	29.93	59	59	2 0	f	2
Aberdeen ...	30.19	54	51	E 1	bc	1	Jersey ...	29.97	68	64	WSW 2	bc	2
Shields ...	30.10	56	53	NE 3	b	3	Dungeness ...	29.95	66	63	SSE 1	cp	2
Ardrossan ...	30.03	78	67	NNE 4	bc	2	London ...	29.95	80	72	E 1	bc	*
Malin Head ...	30.01	63	60	E 2	bc	1	Yarmouth ...	30.02	65	60	NE 2	b	2
Mullaghmore ...	29.94	74	65	ESE 4	cm	2	Rochefort ...	30.04	73	67	WNW 4	bc	2
Belmullet ...	29.94	73	66	SSW 1	c	*							

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

The reports for yesterday morning show that pressure varied from 30.1 ins. to 30.3 ins. in a large high-pressure area which spread southeastwards from the Shetland Isles and west of Norway across the North Sea, the Baltic, North Germany and Poland to southern Russia. To the northeastward readings decreased to about 29.75 ins. over the eastern part of Lapland and the shores of the White Sea, while to the southwestward they decreased to about 29.9 ins. off the southwest of Ireland and to about 30.0 ins. over Belgium. Still further to the southwestward the readings were higher. The wind was consequently light and variable—chiefly NW¹/₂ over Northern Europe, NE¹/₂ to SE¹/₂ over Ireland and Scotland, W¹/₂ over Spain. The weather was fair except in France and the English Channel, where it was unsettled—in some places rainy, close, and thundery. Temperature was very irregularly distributed and changing fitfully; it ranged from between 77° and 81° over the southern and eastern part of the Mediterranean, and from above 70° in several other places to below 50° in the Shetland Isles, the west of Lapland, and over Central Russia. The highest individual values were 82° at Biskra (Algeria) and at Trieste, 81° at Brindisi, 78° at Utrecht, 76° at Malta, 74° at Lyons and Naples, 73° at Brussels and Wiesbaden, 72° at Berlin, 71° in London, 68° to 69° in the east of Sweden; lowest 44° at Sumburgh Head, 46° at Archangel, 47° at Rode and Aberdeen, and 48° at Moscow and Leith.

During the day temperature rose to between 80° and 88° over the greater part of England and to 80° at Paris; and thunderstorms occurred in several parts of our Islands as well as on the Continent.

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 27th June. 1883.
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.	Sec. (0 to 8.)	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 ..													*																	
Hernösand ...													*																	
Stockholm ...	30.10	59	Z	0	b	29.92	-.16	72	59	+	6	SW	2	b	*	73	51	—												
Wisby ...	30.11	56	SSH	4	b	30.02	-.03	59	52	—	1	SW	2	b	*	73	55	—												
Bodö ...	30.04	45	Z	0	b	29.73	-.45	47	46	+	1	WSW	4	b	44	50	41	—												
Christiansund...	30.00	63	NE	3	b	29.90	-.21	57	53	—	3	NE	1	b	1	70	50	—												
Skudesnaes ...	30.00	63	W	1	c	29.90	-.14	66	62	—	2	ESE	1	c	2	75	63	—												
Christiania Fjord (Færdar)	29.99	68	SSW	2	bc	29.92	-.14	70	65	+	1	SW	3	b	1	72	66	—												
Skagen (The Scaw)	29.98	69	Z	0	c	29.94	-.10	68	62	—	3	S	4	b	2	82	64	—												
Fanö ...	29.95	64	SE	3	b	29.89	-.15	69	64	+	1	ESE	4	b	*	49	61	—												
BRITISH ISLANDS.																														
Sumburgh Head	30.00	48	ENE	2	m	29.89	-.19	46	46	0	ENE	1	f	2	51	40	—													
Stornoway ..	29.81	70	NE	2	b	29.70	-.21	64	60	0	Z	0	b	2	75	51	—													
Wick ...	29.95	61	S	1	b	29.83	-.20	60	56	+	2	E	2	b	0	64	48	—												
Nairn ...	29.85	75	SSE	1	b	29.77	-.23	62	57	+	6	NE	2	b	3	84	43	—												
Aberdeen...	29.96	61	E	1	b	29.81	-.23	57	54	—	4	ESE	1	o	1	70	45	—												
Leith ...	29.88	56	E	3	b	29.76	-.26	53	53	—	2	E	2	of	*	63	50	—												
Shields ...	29.87	60	NE	3	b	29.78	-.23	53	58	—	5	ENE	2	d	3	62	49	—												
Spurn Head ...	29.81	55	ENE	2	f	29.71	-.18	53	58	—	4	ESE	3	f	3	63	51	—												
York ...	29.82	74	NNE	2	b	29.73	-.19	56	55	—	5	E	1	o	*	83	53	—												
Loughborough	29.77	81	ENE	1	b	29.73	-.16	58	57	—	4	E	1	ogm	*	54	55	—												
Ardrossan ...	29.78	75	NE	1	bm	29.69	-.25	59	57	—	6	NE	2	bm	2	80	53	—												
Malin Head ...	29.75	62	SE	1	om	29.63	-.24	55	54	—	3	SE	3	op	2	64	51	0.07												
Mullaghmore ...	29.74	69	SSE	1	c	29.59	-.25	60	56	—	4	SE	5	o	3	72	58	—												
Belmullet ...	29.74	65	NE	1	c	29.53	-.31	59	58	—	3	SE	3	o	*	70	58	0.12												
Donaghadee ...	29.79	63	SW	3	o	29.69	-.22	54	54	—	3	SSE	2	f	2	71	51	0.04												
Barrow-in-Furness	29.82	60	NN	3	bc	29.69	-.19	59	58	—	10	E	1	f	*	82	55	—												
Liverpool (Bidston)	29.83	60	WNW	2	c	29.70	-.17	62	58	—	9	NNE	1	o	1	78	54	—												
Holyhead ...	29.83	58	SSH	3	op	29.69	-.19	60	59	—	7	ESE	1	bc	1	51	53	0.27												
Parsonstown ...	29.77	67	SSE	1	c	29.65	-.22	60	58	—	0	Z	0	o	*	71	57	0.09												
Valencia ...	29.69	60	SE	5	rgm	29.60	-.21	59	57	—	2	WSW	2	o	2	64	56	0.27												
Roche's Point...	29.78	61	SSE	4	m	29.61	-.26	59	57	—	1	WSW	4	bc	4	64	56	0.23												
Pembroke ...	29.84	58	SW	2	o	29.64	-.27	55	55	—	2	ESE	4	af	3	62	53	0.12												
Scilly ...	29.80	59	SSE	4	rf	29.65	-.24	60	59	+	3	SW	1	of	6	65	55	0.13												
Prawle Point ...	29.89	55	SW	3	f	29.69	-.24	54	54	—	2	SSH	4	f	4	64	48	0.15												
Jersey ...	29.91	65	W	3	bf	29.75	-.21	59	58	+	4	SE	3	orf	3	65	54	0.10												
Hurst Castle ...	29.86	58	WSW	4	c	29.75	-.14	60	60	0	S	2	adm	0	64	53	—													
Dungeness ...	29.81	55	WSW	5	md	29.79	-.04	58	57	0	S	1	m	1	62	51	0.11													
London ...	29.78	72	W	1	o	29.78	-.12	61	60	—	5	S	1	c	*	74	57	0.03												
Oxford ...	29.79	64	WSW	3	c	29.75	-.09	61	57	0	S	1	c	*	70	58	0.02													
Cambridge ...	29.76	72	N	1	c	29.74	-.12	60	60	+	2	S	1	r	*	80	53	0.15												
Yarmouth ...	29.82	58	SSE	4	c	29.80	-.06	60	59	—	2	SSH	3	c	3	65	54	—												
Cuxhaven ...	30.00	69	E	2	b	29.94	-.13	66	63	0	SE	1	c	*	72	64	—													
Berlin ...	29.93	78	ESE	3	c	29.92	-.10	72	63	0	ESE	2	bc	*	88	64	—													
Wiesbaden ...	*	*	*	*	*	29.95	-.06	64	62	—	3	Z	0	c	*	77	57	0.24												
Munich ...	29.95	64	SW	4	r	30.00	-.07	64	61	—	2	SSE	1	o	*	77	55	0.20												
FRANCE & NETHERLANDS.																														
The Helder ...	29.88	66	NE	1	bc	29.86	-.01	67	61	—	1	SSH	1	b	1	75	61	—												
Brussels ...	*	*	*	*	*	29.88	-.02	67	63	+	1	SSE	1	b	*	76	59	0.04												
Cape Gris Nez...	29.80	50	SW	7	r	29.81	-.07	61	61	+	4	SW	3	o	2	77	54	0.08												
Paris ...	29.95	65	NE	1	bc	29.89	-.06	62	61	—	1	S	1	bc	*	74	59	0.43												
Brest ...	29.92	61	SW	5	o	29.76	-.21	58	57	—	6	NN	4	f	4	72	45	0.16												
Lorient ...	29.96	66	SSH	4	o	29.77	-.24	61	61	0	SW	4	r	4	68	59	0.28													
Rochefort ...	30.04	68	NN	4	b	29.92	-.14	64	63	0	WSW	4	o	2	77	59	—													
Belfort ...	30.00	71	W	1	bc	29.97	-.09	66	63	+	5	W	1	b	*	75	51	0.24												
Lyons ...	30.02	67	WNW	3	c	29.97	-.10	64	60	+	1	WNW	1	b	*	75	56	0.16												
Nice ...	29.97	68	W	1	bc	29.92	-.11	68	63	0	E	1	b	0	77	57	—													
Perpignan ...	30.01	70	SSH	1	c	29.95	-.15	70	65	+	1	E	1	c	*	79	59	0.16												
Biarritz ...	30.00	72	WSW	4	o	29.91	-.16	66	62	+	1	E	4	o	2	81	64	—												
PENINSULA.																														
Corunna ...	*	*	*	*	*																									
Lisbon ...	30.14	66	WSW	5	o	30.08	-.07	65	65	+	2	SW	7	o	?	70	63	0.04												

For Explanation of Columns, see p. 4.

† In Westminster the fall was 1.20 in.

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

WEATHER CHARTS

for 8 a.m. on

Wednesday, 27th June.

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.

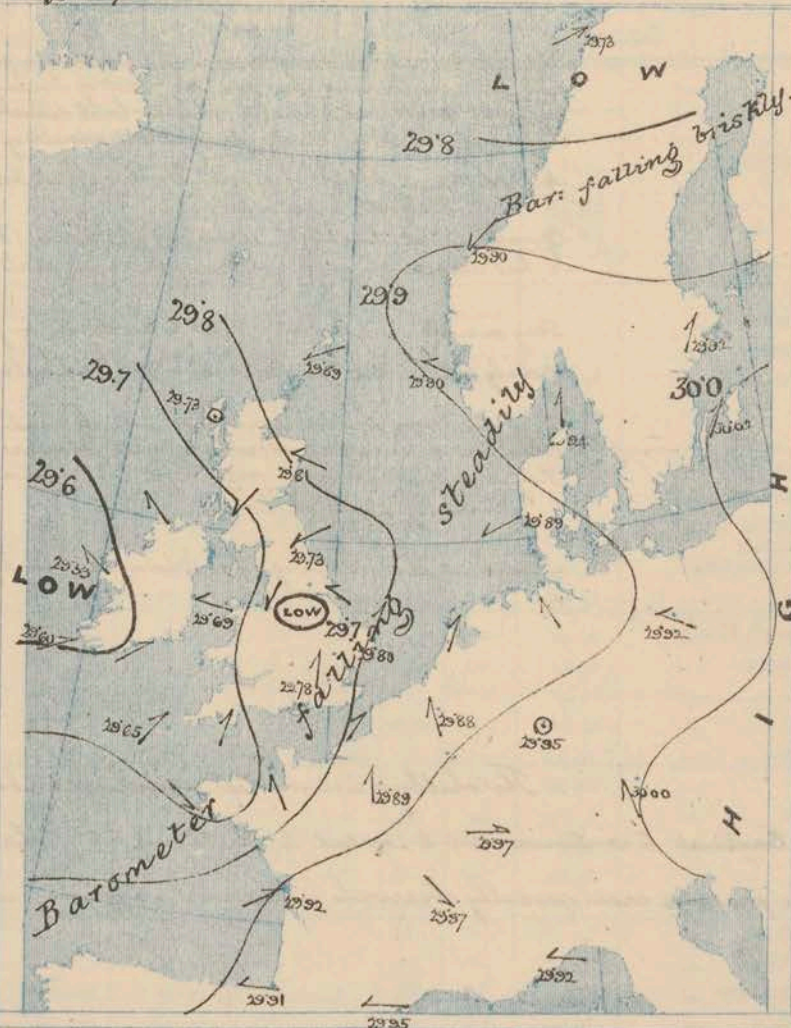
— Rough — High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871 — 1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shields	29.928
York	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.964
Cambridge	29.967
Yarmouth	29.963



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.

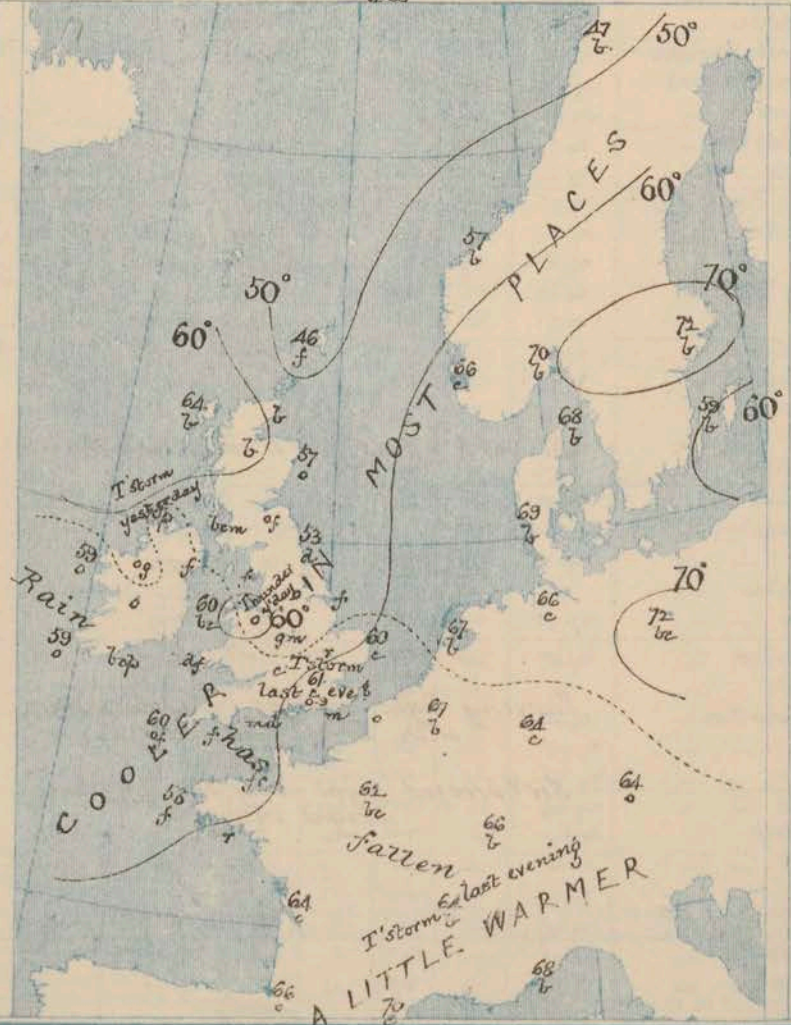
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of June.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	46.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.75
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	56.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	66.2	48.3	56.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.62
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.6	53.1	2.10
Liverpool	63.8	50.9	56.6	52.6	1.96
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	3.28
Pembroke	60.3	51.4	55.0	52.9	2.09
Scilly	61.1	53.0	57.2	55.0	1.94
Jersey	64.8	52.6	58.7	55.9	1.83
Hurst Castle	63.9	51.9	57.6	55.4	2.07
Dover	63.3	53.1	58.6	55.1	1.72
LONDON	69.3	50.6	59.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.46
Yarmouth	62.2	51.4	56.9	54.1	2.02

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 30.0 ins. and more over the southern parts of Spain, and also over Germany and the southeast of Sweden. Lowest 29.6 ins. and less over the west of Ireland. Gradients, slight and irregular; shallow local disturbances numerous over our Islands and their neighbourhood. Barometer falling slowly, most at the mouth of the Channel and in Lapland.
TEMPERATURE	Highest 72° at Stockholm and Berlin, 70° at Færdar and Penzance, 69° at Jönköping, 67° at Helder, 66° at Biarritz and Belfort, 62° at Naurn. Lowest 46° at Loughborough Head, 44° at Bodö, 53° on our northeast coast, and 55° at Pembroke. It has decreased since yesterday in most parts of our Islands.
WIND	Very variable in direction, light to moderate in force, except at Bodö. Mainly NE. and E. in Scotland — SE. in Ireland and Wales — S. in England — SW. and W. in France.
WEATHER	Very fine over Scandinavia, Denmark and the greater part of Scotland. Cloudy and unsettled elsewhere with showers in several places. Fog and mist are very prevalent this morning. Heavy rain fell in London yesterday, with thunder and lightning at times.
SEA	Rough at the mouth of the Channel, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow disturbances mentioned above will probably cause the rainy weather over Ireland and England to continue and to spread to Scotland. There is no sign of settled weather at present, but the high pressure area recently observed in the north is giving way.

FORECASTS

for the 24 hours ending at NOON on 28th June 1883.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SE and S winds; fair to rainy, some thunder.	6 SCOTLAND WEST	Same as N ^o 0 and 1.
1 SCOTLAND EAST		7 ENGLAND N.W.	S ^W (SE. to SW.) winds; very showery, some thunder.
2 ENGLAND N.E.	Same as N ^o 4.	8 ENGLAND S.W.	
3 ENGLAND EAST	Same as N ^o 5.	9 IRELAND NORTH	S ^W (SE. to SW.) winds; unsettled, showery.
4 MIDLAND COUNTIES	Varying light breezes; thunder showers, with bright intervals.	10 IRELAND SOUTH	
5 ENGLAND SOUTH	Str ^g breezes, light; very showery, some bright intervals.	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesna	30.03	75	63	WNW 2	c	2	Holyhead	29.87	62	59	SSW 3	cm	2
Samburgh	30.05	50	49	ENE 2	m	2	Valencia	29.76	64	60	SE 5	cm	5
Stornoway	29.59	75	69	NE 2	b	2	Scilly	29.86	65	61	S 4	c	4
Aberdeen	30.00	64	56	E 1	b	1	Jersey	29.94	67	61	WSW 2	b	2
Shields	29.90	60	56	NE 3	b	3	Dungeness	29.82	58	56	WSW 3	b	2
Ardrossan	29.84	80	72	NE 3	b	2	London	29.82	72	67	WSW 2	c	*
Malin Head	29.81	64	59	E 2	b	1	Yarmouth	29.83	62	59	ESE 3	b	2
Mullaghmore	29.79	69	65	WSW 1	om	1	Rocheport	30.06	73	67	NW 4	b	2
Belmullet	29.79	68	62	SSW 1	o	*							

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 both in the south of Spain and over the northern half of Scandinavia, to about 29.5 ins. over central Russia, to about 29.8 ins. off the west of Ireland, and to about the same value in a very complex system of secondary disturbances lying over England and Holland.

The prevalent winds were consequently E. and N. over the northern part of our area, SE. in the west, and S.W. in the south. Over central Europe variable airs prevailed, while in Russia the wind was N., and blew strongly over the Baltic Provinces.

The weather was very fine except over France, Ireland and the southern half of England where it was cloudy, showery, thundery and unsettled. Temperature varied from between 70° and 80° over the Mediterranean and Adriatic, and from above 70° over northern Germany to rather below 50° over Finland, and to 46° in Lapland and the Shetland Isles.

The highest individual values were, 82° at Trieste, 80° at Biskra (Algeria), 79° at Brindisi, 78° at Palermo, 75° at Naples, 72° at Sanghaire, Berlin and Neu Fahrwasser, 71° at the Scaw, 70° at Lüneburg, and 69° at Perpignan and Fardar; the lowest were 46° at Samburgh Head and Bodø, 48° at Uleaborg and Kuopio, 50° at Archangel, 56° at Prowla Point, and 57° at several other English stations.

Later on showers of rain fell over Ireland and England, and much rain in London, where thunder and lightning also occurred.

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 Thursday, 28th June 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 8.)	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 ..																		
	Hernösand ...																		
	Stockholm ...	29.69	72	WSW	4	b	29.69	- .23	61	50	- 11	ENE	4	c	*	82	52	-	
	Wishby ...	29.84	59	SW	4	b	29.72	- .30	64	54	+ 5	SW	2	b	*	70	50	-	
	Bodö ...	29.82	43	WNW	6	bc	29.84	+ .11	43	40	- 4	W	2	c	1			-	
	Christiansund...	29.57	54	NNE	6	f	29.79	- .11	50	43	- 7	NE	2	c	2	61	46	-	
	Skudesnaes ...	29.76	69	Z	0	c	29.62	- .28	66	57	0	N	2	c	1	77	66	-	
	Christiania Fjord (Farder)	29.72	66	S	5	b	29.59	- .33	70	67	0	Z	0	c	1	70	64	-	
	Skagoe (The Scaw)	29.74	64	SSW	3	c	29.61	- .33	61	59	- 7	SSW	1	0	1	75	59	-	
	Fanö ...	29.76	64	Z	0	r	29.63	- .26	70	65	+ 1	SSW	2	bc	*	79	59	-	
BRITISH ISLANDS.	Sumburgh Head	29.78	54	ENE	3	b	29.66	- .23	49	47	+ 8	NE	5	0	5	56	45	-	
	Stornoway ...	29.60	72	SE	5	bc	29.58	- .15	55	55	- 9	E	4	0	4	74	52	-	
	Wick ...	29.72	58	E	2	c	29.65	- .18	51	51	- 9	E	3	f	1	62	50	-	
	Nairn ...	29.63	58	NE	3	0	29.58	- .19	54	53	- 8	E	2	f	2	61	51	-	
	Aberdeen...	29.68	57	E	1	0	29.59	- .22	52	52	- 5	ENE	1	bc	1	61	51	0.05	
	Leith ...	29.63	56	E	4	0	29.55	- .21	54	54	+ 1	NE	1	of	*	60	51	0.01	
	Shields ...	29.61	54	NE	1	f	29.50	- .23	53	53	0	NE	2	r	3	58	51	0.19	
	Spurn Head ...	29.65	57	SE	3	c	29.52	- .19	57	55	+ 4	SW	3	c	2	60	52	0.03	
	York ...	29.63	61	ESE	1	r	29.49	- .24	60	60	+ 4	E	1	m	*	62	55	0.10	
	Loughborough	29.63	62	SSE	1	r	29.56	- .17	60	57	+ 2	WNW	3	c	*	68	54	0.24	
GERMANY.	Ardrossan ...	29.59	62	Z	0	om	29.49	- .20	57	56	- 2	NE	3	cm	2	68	54	0.01	
	Malin Head ...	29.57	58	ESE	1	omyp	29.52	- .11	54	54	- 1	Z	0	of	0	59	53	0.20	
	Mullaghmore ...	29.58	57	WNW	2	od	29.58	- .01	55	54	- 5	WNW	5	r	4	61	53	0.03	
	Belmullet ...	29.61	59	WNW	3	e	29.62	+ .09	55	54	- 4	W	4	r	*	61	54	0.03	
	Donaghadee ...	29.59	55	ENE	2	r	29.48	- .21	53	53	- 1	NE	1	d	0	60	51	0.29	
	Barrow-in-Furness	29.57	65	ENE	1	0	29.49	- .20	55	54	- 4	SW	1	d	2	65	54	0.31	
	Liverpool (Bidston)	29.57	64	SE	2	0	29.53	- .17	55	54	- 7	W	3	0	3	71	54	0.75	
	Holyhead ...	29.58	56	Z	0	rm	29.54	- .15	53	53	- 7	WNW	2	r	2	66	57	0.16	
	Parsonstown ...	29.68	62	Z	0	r	29.62	- .03	64	52	- 6	Z	0	0	*	67	53	0.16	
	Valencia ...	29.66	61	WNW	3	bcq	29.73	+ .13	60	56	+ 1	WNW	3	bc	3	64	53	0.01	
FRANCE & NETHERLANDS.	Roche's Point...	29.60	58	W	1	p	29.69	+ .08	59	55	0	WNW	4	bc	4	69	52	0.43	
	Pembroke ...	29.61	57	SSW	3	c	29.64	00	55	53	0	W	4	bc	3	58	53	0.03	
	Scilly ...	29.64	61	SW	4	c	29.73	+ .08	58	53	- 5	WNW	4	cp	5	66	51	0.66	
	Prawle Point ...	29.66	55	SW	3	f	29.65	- .01	55	55	+ 1	W	4	0	3	57	50	0.62	
	Jersey ...	29.71	60	W	4	b	29.75	- .00	57	54	- 2	W	6	cm	5	61	55	0.25	
	Hurst Castle ...	29.72	56	WSW	3	om	29.64	- .11	58	57	- 2	W	4	c	1	60	54	0.61	
	Dungeness ...	29.67	57	S	3	r	29.65	- .14	56	55	- 2	WNW	5	bc	4	63	53	0.03	
	London ...	29.63	61	SE	2	or	29.63	- .15	58	54	- 3	SW	2	0	*	69	54	0.24	
	Oxford ...	29.58	59	SSE	1	r	29.61	- .14	55	54	- 6	SW	3	bc	*	66	53	0.32	
	Cambridge ...	29.65	63	SSE	1	r	29.60	- .14	60	57	0	SW	4	c	*	69	53	0.16	
PENIN- SULA.	Yarmouth ...	29.68	62	S	3	c	29.60	- .20	60	57	0	W	3	c	2	67	56	0.02	
	Cuxhaven ...	? 29.83	64	Z	0	m	? 29.70	- .24	67	66	+ 1	SSE	1	rm	*	74	64		
	Berlin ...	29.78	73	SW	1	0	29.64	- .28	73	67	+ 1	SW	2	0	*	86	68		
	Wiesbaden ...	*	*	*	*	*	29.71	- .24	66	62	+ 2	SE	1	0	*	71	59		
	Munich ...	29.89	64	SW	1	bc	29.81	- .19	64	60	0	W	1	b	*	72	54		
	The Helder ...	29.73	67	SSE	1	c	29.64	- .22	60	58	- 7	SW	3	0	2	72	59	0.03	
	Brussels ...	*	*	*	*	*	29.73	- .15	58	56	- 9	WNW	3	0	4	75	57	0.43	
	Cape Gris Nez...	29.71	59	SSW	5	r	29.69	- .12	56	55	- 5	WSW	5	0	4	72	54	0.03	
	Paris ...	29.78	64	SSW	3	r	29.83	- .06	59	56	- 3	SW	4	0	*	76	57	0.24	
	Brest ...	29.80	59	SW	5	bc	? 29.91	+ .15	57	54	- 1	WNW	5	b	5	70	54	0.08	

For Explanation of Columns, see p. 4.

Printed for the Government by Harrison & Sons, 25, Abchurch Lane, London, E.C. 4.

WEATHER CHARTS

for 8 a.m. on Thursday, 28th June 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;

→ = force to 7; →→ = forces 1 to 4;

○ = dead calm

Sea Disturbance — where considerable is shown thus.

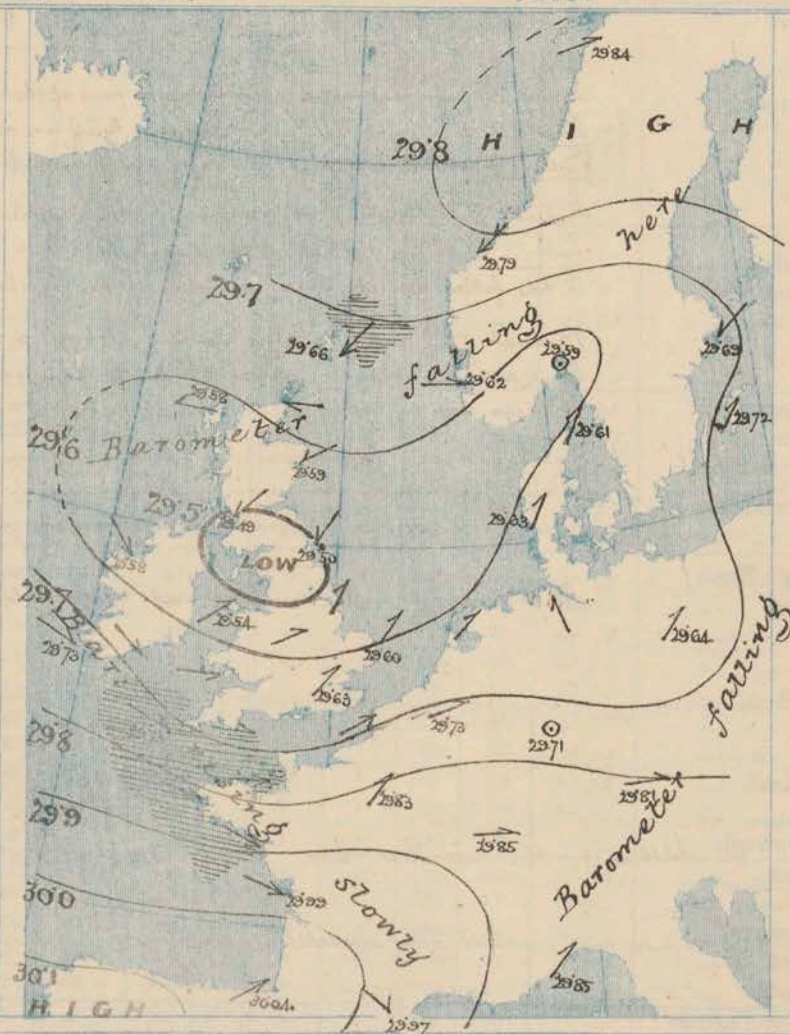
▨ = Rough; ▨ = High

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shields	29.928
York	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.964
Cambridge	29.967
Yarmouth	29.963



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.

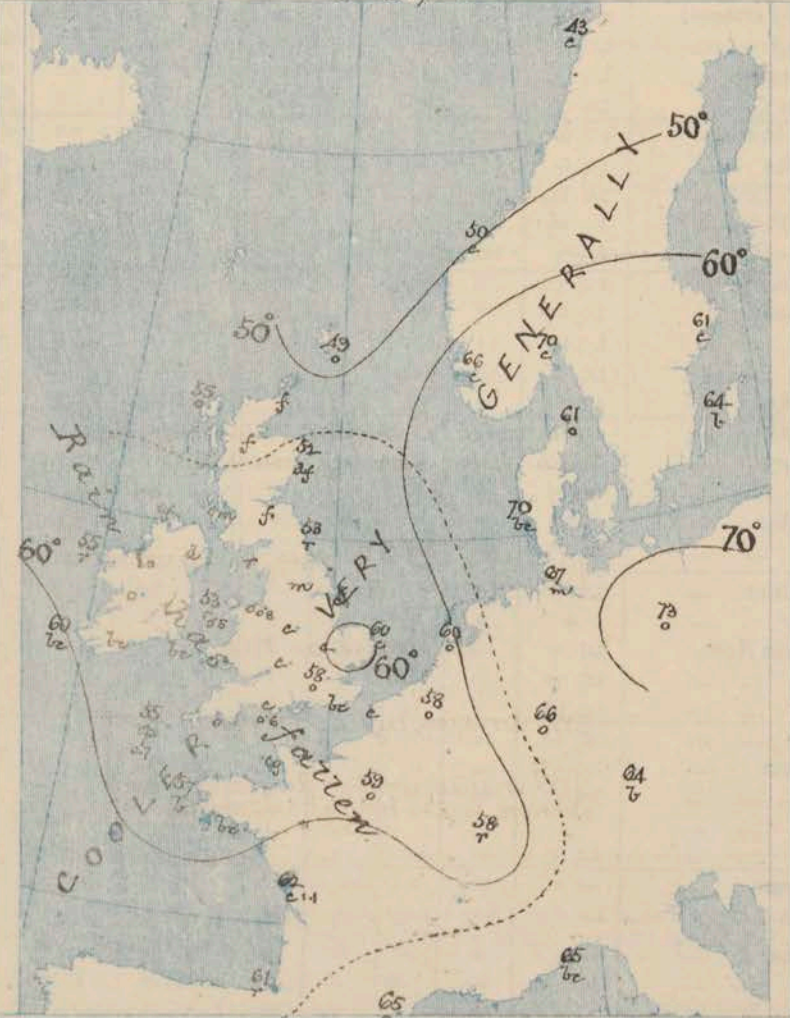
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of June.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	46.0	53.3	51.0	2.99
Wick	58.8	45.7	53.1	50.4	1.75
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.6	54.7	50.9	1.88
Leith	64.5	48.1	56.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	66.2	48.3	56.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.62
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.8	55.6	53.1	2.10
Liverpool	63.6	50.9	56.6	52.6	1.96
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	3.26
Pembroke	60.3	51.4	55.0	52.9	2.09
Scilly	61.1	53.0	57.2	55.0	1.94
Jersey	64.8	52.6	58.7	55.9	1.83
Hurst Castle	63.9	51.9	57.6	55.4	2.07
Dover	63.3	53.1	58.6	55.1	1.72
LONDON	69.3	50.6	69.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.40
Yarmouth	62.2	51.4	56.9	54.1	2.02

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 the greater part of the Iberian Peninsula; 29.8 in: and more over the northern part of Scandinavia. Lowest, 29.5 in: and less, in a depression lying over our northwestern districts; 29.6 in: and less, in the south of Norway. Gradient moderate to slight. Barometer rising in southwest, falling elsewhere, most in north and east.
TEMPERATURE	Highest, 73° at Berlin, 70° at London and Paris, 66° at Newcastle and Aberdeen, 65° on the south coast of France, and 64° at Wick. Lowest, 43° at Bodo, 49° at Lumburgh Head, 51° at Wick, 52° at Aberdeen, and 53° at Douglas and Holyhead. It has fallen decidedly since yesterday at our northern stations and in several parts of England and France.
WIND	Moderate NE ^{ly} and E ^{ly} at our northern stations, (a gale at Christiansund). Fresh NW ^{ly} in Ireland — Fresh W ^{ly} in the Channel — Moderate SW ^{ly} in the east. It blows strongly from the W nd on the northern and western French coasts.
WEATHER	Dull and very foggy in Scotland, very rainy in the northwest and at Shields. Fair, but showery looking in the southwest and south. The appearance is changeable and unsettled generally.
SEA	Rather rough in the southwest and south, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Although the weather has improved somewhat this morning in the southwest and south of our Islands the general appearance is still very unsettled, and no continuously fine weather is likely at present.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	{ NE ^{ly} and N ^{ly} winds, freshening; dull and foggy, showery, unsettled.	6 { SCOTLAND WEST	{ N ^{ly} and NW ^{ly} winds, moderate; rainy and cold then finer.
1 { SCOTLAND EAST		7 { ENGLAND N. W.	
2 { ENGLAND N. E.	Variable light breezes; rainy, unsettled, thunder locally.	8 { ENGLAND S. W.	Same as No 5.
3 { ENGLAND EAST	Same as No 5	9 { IRELAND NORTH	{ W ^{ly} to N ^{ly} winds, fresh, rainy to fair.
4 { MIDLAND COUNTIES	SW ^{ly} breezes, light; rainy to fair.	10 { IRELAND SOUTH	
5 { ENGLAND SOUTH	SW ^{ly} winds, moderate; some local showers, with bright intervals.	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudenes ...	29.86	77	63	W 2	b	2	Holyhead ...	29.63	60	59	ESE 1	rm	0
Sambrugh Head ...	29.84	54	51	ESE 3	b	3	Valencia ...	29.64	64	60	W 2	bcp	3
Stornoway ...	29.65	73	66	SE 5	b	4	Sailly ...	29.65	66	62	SW 2	c	6
Aberdeen ...	29.75	59	56	E 1	c	1	Jersey ...	29.68	60	58	SW 3	r	3
Shields ...	29.67	54	54	ESE 3	f	3	Dungeness ...	29.74	62	59	S 2	c	2
Ardrossan ...	29.62	67	65	2	0	0	London ...	29.72	62	61	SSE 2	or	*
Malin Head ...	29.62	54	53	ESE 2	0	1	Yarmouth ...	29.76	63	61	S 4	cm	3
Mullaghmore ...	29.57	61	59	ESE 2	r	2	Rochefort ...	29.91	64	64	W 4	r	2
Belmullet ...	29.58	60	57	W 1	0	*							

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

The reports for yesterday morning showed that pressure was then giving way over almost the whole of Europe, and that readings varied from between 29.9 ins. and 30.0 ins. over the Mediterranean, southern and central Europe, and the Baltic to about 29.5 ins. in the extreme west of Ireland on the one hand and over Central Russia on the other. Over western Europe the distribution was complex, the weather therefore was unsettled, showery, and thunderstorms had occurred at many southern stations during the previous night. Over central, eastern, and northern Europe the conditions were simple, and variable air was accompanied by fine light weather. Temperature was again very irregularly distributed and had fallen over Algeria and in several parts of England. The highest individual values were 86° at Cagliari, 82° at Palermo, 79° at Rhinidisi, 78° at Leina, 77° at Malta, 76° at Algiers, and 72° at Croisette, Berlin and Stockholm; the lowest were 41° at Archangel, 46° at Lumburgh Head, 47° at Rode, 51° at Moscow, 53° on the northeast coast of England and 55° at Pembroke.

During the day rain fell in the British Islands - most in the northwest and west, and a depression noticed off the west of Ireland at 8 am began to move eastward slowly.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; q. 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, 29th June 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 ..																		
	Hernösand ...	29.57	71	SSW	2	bc	29.62	-13	49	43	-3	NE	6	b	*		46		
	Stockholm ...	29.55	52	NE	4	o	29.43	-26	55	46	-6	NNE	4	o	*	73	52		
	Wisby ...	29.51	62	ESE	4	b	29.39	-33	58	54	-6	N	2	e	*	73	55		
	Bodö ...	29.78	41	N	4	b	29.77	-07	44	40	+1	N	4	bc	2	46	39		
	Christiansund...	29.68	49	NE	9	b	29.68	-11	48	42	-2	NE	8	m	4	50	43		
	Skudesnaes ...	29.47	58	NW	4	bc	29.35	-27	58	51	-8	NW	2	o	2	70	57		
	Christiania Fjord (Færder)	29.44	67	SSE	2	o	29.40	-19	61	57	-9	ESE	5	o	2	7	59		
	Skagen (The Scaw)	29.41	63	S	0	e	29.31	-30	61	59	0	ESE	3	o	2	72	59		
	Fanø ...	29.45	63	WNW	2	e	29.39	-24	55	54	-15	WSW	4	r	*	75	54	1.10	
BRITISH ISLANDS.	Sumburgh Head	29.57	49	NE	5	e	29.56	-10	49	47	0	NNE	5	e	6	53	45		
	Stornoway ...	29.62	52	NE	6	o	29.68	+10	51	49	-4	NE	4	o	4	56	46		
	Wick ...	29.65	49	E	3	f	29.60	-05	49	48	-2	N	5	o	3	52	45		
	Nairn ...	29.61	53	NE	4	r	29.64	+06	49	46	-5	N	3	o	3	56	45	0.10	
	Aberdeen...	29.57	54	NE	1	om	29.57	-02	49	46	-3	NNW	4	o	2	57	47	0.02	
	Leith ...	29.53	54	ESE	2	r	29.57	+02	50	48	-4	E	4	o	*	54	48	0.35	
	Shields ...	29.47	54	N	2	f	29.47	-03	49	48	-4	N	4	r	3	55	47	0.22	
	Spurn Head ...	29.51	60	W	3	bc	29.46	-06	56	54	-1	NW	4	cq	2	65	54		
	York ...	29.51	59	W	3	o	29.48	-01	55	54	-5	WSW	1	m	*	63	54	0.01	
	Loughborough	29.55	61	WSW	4	e	29.53	-03	56	55	-4	WSW	2	r	*	64	53	0.02	
GERMANY.	Ardrossan ...	29.48	59	NE	2	r	29.55	+06	52	50	-5	NE	2	om	1	63	50	0.15	
	Malin Head ...	29.55	51	NNW	2	o	29.56	+04	52	52	-2	NE	1	or	0	56	51	0.44	
	Mullaghmore ...	29.57	55	WNW	6	r	29.55	-03	58	57	+3	NW	2	opm	3	58	54	0.75	
	Belmullet ...	29.63	55	WNW	3	o	29.59	-03	57	57	+2	N	3	o	*	58	54	0.02	
	Donaghadee ...	29.48	58	NNE	2	f	29.54	+06	52	52	-1	N	2	of	2	59	51	0.12	
	Barrow-in-Furness	29.49	54	S	3	o	29.46	-03	55	55	0	NE	1	o	*	56	53	0.21	
	Liverpool (Bidston)	29.54	54	WSW	4	o	29.50	-03	53	52	-2	WSW	4	o	3	58	52	0.03	
	Holyhead ...	29.56	52	SW	5	qm	29.51	-03	52	52	-1	WSW	4	dm	4	56	51	0.24	
	Parsonstown ...	29.63	55	WSW	1	o	29.56	-06	55	53	+1	SW	1	r	*	59	53	0.15	
	Valencia ...	29.77	61	W	3	e	29.68	-05	59	56	-1	WNW	3	o	3	64	53		
FRANCE & NETHERLANDS.	Roche's Point...	29.57	62	NW	4	bc	29.62	-07	57	54	-2	WNW	3	e	3	64	53		
	Pembroke ...	29.64	55	WSW	4	e	29.60	-04	55	54	0	WSW	3	e	3	59	53		
	Scilly ...	29.76	57	WSW	5	cp	29.66	-07	58	55	+3	W	3	e	4	60	53	0.06	
	Prawle Point ...	29.74	55	W	4	bc	29.66	-02	57	55	+2	WSW	3	bc	3	59	51	0.03	
	Jersey ...	29.79	59	WSW	5	bm	29.71	-04	58	56	+1	SW	5	bm	4	60	54	0.01	
	Hurst Castle ...	29.63	63	W	5	bcp	29.63	-01	58	57	0	W	5	e	2	68	55	0.23	
	Dungeness ...	29.59	58	WSW	5	o	29.60	-05	56	54	0	W	4	e	4	60	54	0.03	
	London ...	29.61	58	SW	2	o	29.59	-04	60	55	+2	W	3	bc	*	67	52	0.20	
	Oxford ...	29.62	67	WSW	4	e	29.57	-04	58	53	+3	W	4	b	*	64	54		
	Cambridge ...	29.56	68	SW	1	o	29.53	-07	61	56	+1	SW	2	e	*	70	52	0.02	
PENIN- SULA.	Yarmouth ...	29.54	63	S	4	e	29.52	-08	58	55	-2	W	4	e	3	66	52		
	Cuxhaven ...	29.59	57	WNW	5	r	29.55	-15	59	58	-8	SW	4	o	*	71	54	1.24	
	Berlin ...	29.64	64	WNW	3	o	29.62	-02	63	57	-10	W	5	bc	*	81	55	0.55	
	Wiesbaden ...	*	*	*	*	*	29.72	+01	60	55	-6	SW	4	e	*	70	54		
	Munich ...	29.58	57	SW	3	o	29.82	+01	55	52	-9	WN	4	o	*	73	50	0.20	
	The Helder ...	29.58	59	SW	3	e	29.51	-13	58	55	-2	WSW	4	e	3	63	57		
	Brussels ...	*	*	*	*	*	29.66	-07	57	54	-1	WSW	5	o	*	66	54	0.04	
	Cape Gris Nez...	29.64	55	WSW	7	e	29.62	-07	54	54	-2	WSW	7	o	5	61	54		
	Paris ...	29.79	61	SW	4	o	29.76	-07	56	53	-3	SW	3	o	*	71	48		
	Brest ...	29.89	59	WNW	5	b	29.76	-15	55	54	-2	W	4	r	3	72	52	0.08	
PENIN- SULA.	Lorient ...	29.89	60	WNW	5	bc	29.77	-10	57	55	-2	SW	4	r	4	63	55	0.08	
	Rocheport ...	29.99	62	WNW	7	r	29.90	-09	59	58	-3	W	5	r	2	68	54	0.12	
	Belfort ...	29.88	62	W	1	e	29.84	-01	56	50	-2	W	1	bc	*	85	50	0.12	
	Lyons ...	29.88	67	NW	3	o	29.91	-04	57	54	-1	WSW	4	o	*	73	55		
	Nice ...	29.97	68	W	1	bc	29.76	-07	68	63	+3	E	1	b	0	77	59		
	Perpignan ...	29.96	68	NW	4	o	29.96	-01	62	57	-3	W	4	bc	*	74	55		
	Biarritz ...	30.04	65	WNW	4	e	29.92	-12	64	57	-3	SW	4	o	3	68	59		
	Corunna ...	*	*	*	*	*	30.16	-00	64	60	+1	NNW	3	bc	4	72	59		
	Lisbon ...	30.16	64	N	4	b	30.16	-00	64	60	+1	NNW	3	bc	4	72	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, 29th June

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.

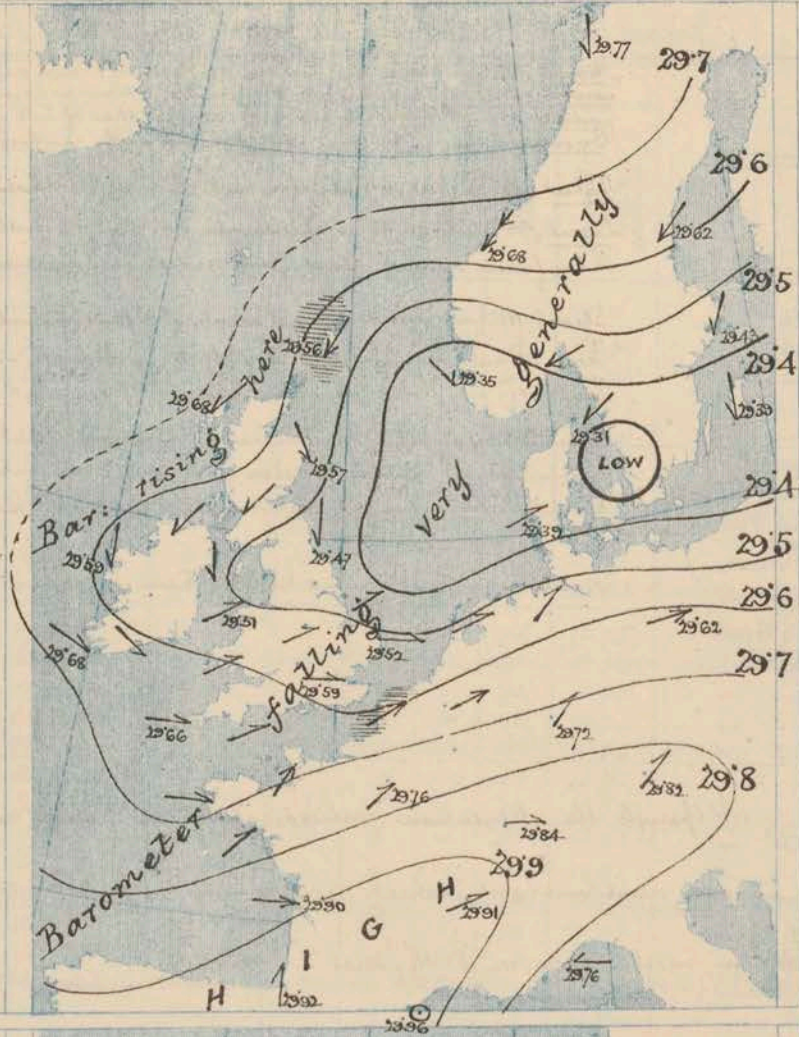
Sea Disturbance — where considerable is shown thus.

— Rough — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shields	29.928
York	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON	29.976
Oxford	29.964
Cambridge	29.967
Yarmouth	29.963



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.9 in: to 30.1 in: over the southwest of France and north of Spain - 29.8 in: off the northwest of Norway.
Lowest, 29.3 in: and less, over the Sound, 29.4 in: and less, over the North Sea, and about 29.5 in: over the Irish Sea.
Gradients though moderate, are more decided than of late.
Barometer rising in extreme northwest and in the southwest of France, falling unsteadily elsewhere, most in extreme east.

TEMPERATURE

Highest, 68° at Nice, 64° at Lisbon and Biarritz, 63° at Berlin, 61° at the Scaw, and 60° in London.
Lowest, 44° at Bodø, 48° at Christiansund, 49° in the northeast of Scotland, and at Shields, 56° at Paris.
It has fallen in most places - very decidedly over countries lying to the eastward of the North Sea.

WIND

Strong NE¹/₂ in Scandinavia (a gale at Christiansund).
Fresh N¹/₂ and NE¹/₂ in Scotland - light N¹/₂ in Ireland - Moderate W¹/₂ in south of England.
Fresh SW¹/₂ over France, the Netherlands. W¹/₂ in north Germany.

WEATHER

Unsettled generally; dry over Scandinavia, north of Scotland and south of Ireland.
Changeable and showery elsewhere, with bright intervals.
Rainfall has been heavy in Holstein and Mullaghmore. Thunderstorms occurred in several places yesterday, and thick fog in the NE.

SEA

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

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Although the depression noticed above has passed away from our Islands there are other local shallow systems in our neighbourhood, which appear likely to cause a continuance of showery, changeable weather, with bright intervals in most places, and thunder in some.

FORECASTS

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

DISTRICTS.

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

FORECASTS.

N¹/₂ winds, moderate or fresh; some showers, cold.

W¹/₂ to NW¹/₂ breezes, moderate, showery, with bright intervals - very cold tonight.

DISTRICTS.

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

FORECASTS.


Same as N^o 0 to 2


Same as N^o 3 to 5.

NW¹/₂ and N¹/₂ winds, light; some showers - very cold tonight.

WARNINGS

NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.54	70	62	WNW 4	am	2	Holyhead ...	29.56	53	53	SW 5	am	4
Sumburgh Head	29.67	52	47	NE 6	b	6	Valencia ...	29.73	63	58	W 4	bcm	4
Stornoway ...	29.61	53	53	NE 6	o	5	Scilly ...	29.76	60	56	WNW 5	bc	5
Aberdeen ...	29.59	55	54	NE 1	o	1	Jersey ...	29.79	60	56	W 5	bc	4
Shields ...	29.47	55	54	NE 2	o f	3	Dungeness ...	29.62	58	56	WSW 5	bc	4
Ardrossan ...	29.49	62	60	NE 2	r	2	London ...	29.59	62	59	W 1	c	*
Malin Head ...	29.52	56	56	W 0	o	0	Yarmouth ...	29.57	62	59	SSE 5	c	4
Mullaghmore ...	29.58	55	54	WNW 5	r	4	Rocheport ...	30.00	67	60	W 8	c	2
Belmullet ...	29.64	56	54	WNW 4	r	*							

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

The reports for yesterday morning showed that pressure was highest 30.00 ins. to 30.16 ins. over the Spanish Peninsula, lowest (29.5 ins.) in a depression lying over England, and also in a second depression, which had appeared over Northern Europe. The two depressions were joined by a band of somewhat low readings, which lay over the North Sea, Denmark and the Baltic. The winds were therefore N¹ and NE² over the northern half of Europe, and the weather was fair, SW³ to NW³ in the west, with showery thundery weather, and light and variable in the east, with fine weather. Temperature was low for the time of year over the British Isles and France, rather high over North Germany and at Christiania. The highest individual values were 85° at Cagliari, 81° at Khirba (Algeria) 79° at Khindisi, 78° at Budapest, 75° at Odessa, 74° at Malta, 73° at Lissa and Berlin, 72° at Pesaro, 70° at Barcelona and also at Christiania; the lowest were 43° at Rode, 45° at Alsborg, 47° at Kuopio, 49° at Sumburgh Head, 50° at Helsingfors and Christiansund.

Later in the day showers fell in many parts of the United Kingdom, thunderstorms occurred in several places and heavy rain fell on the eastern shores of the North Sea.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

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

DAILY WEATHER REPORT.

for *Saturday, 30th June 1888.*
Issued by the Meteorological Office, 116, Victoria Street, London. R.H. SCOTT, Secretary.

Issued by the Meteorological Office, No. 1, Whitehall, London, W. 1, England, daily.																		
+ YESTERDAY EVENING.																		
8 A.M. TO DAY.																		
PAST 24 HOURS.																		
STATIONS.	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.			BAROMETER.		SHADE TEMP.			WIND.			Sea. (0 to 9.)	SHADE TEMP.			
			Dirac.	Force. (0 to 12.)	Weather.	Reading at 32° F. and Sea Level.	Inference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)	Weather.		Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	29.62	46	N	2	c	29.65	+19	50	42	+7	N	2	b	*	50	34	-
	Hernösand ...	29.67	49	Z	0	b	29.74	+12	50	43	+1	S	2	b	*	61	43	-
	Stockholm ...	29.55	46	NE	4	r	29.50	+07	48	43	-7	NE	6	0	*	61	45	0.12
	Wisby ...	29.49	55	E	4	c	29.39	00	57	55	+1	SE	4	0	*	73	54	0.04
	Bodö ...	29.70	44	N	2	b	29.69	-08	45	41	+1	Z	0	c	1	54	39	-
	Christiansund...	29.66	48	NE	8	b	29.69	+01	48	42	0	NE	7	b	3	52	41	-
	Skudesnaes ...	29.42	63	RSE	4	0	29.50	+15	61	51	+3	ENE	4	c	3	66	?	-
	Christiania Fjord (Fjorder)	29.48	53	ENE	7	r	29.50	+10	50	46	-11	NE	7	0	4	61	48	0.24
	Skagen (The Scaw)	29.34	59	SSE	1	0	29.38	+07	50	50	-11	E	4	0	4	63	50	1.02
	Fanö ...	29.26	52	SW	4	r	29.19	-20	55	54	0	N	4	c	*	57	50	0.91
BRITISH ISLANDS.	Sumburgh Head	29.60	50	NNE	7	bc	29.73	+17	47	44	-2	NNE	5	0	7	53	43	-
	Stornoway ...	29.76	51	NE	5	0	29.88	+20	49	48	-2	NE	4	0	4	56	45	-
	Wick ...	29.66	54	N	6	0	29.81	+21	49	46	0	NE	6	0	5	55	45	-
	Nairn ...	29.68	55	N	4	c	29.82	+18	49	46	0	NNE	4	0	5	58	45	-
	Aberdeen...	29.56	50	N	5	0	29.72	+15	48	44	-1	N	5	0	4	53	44	-
	Leith ...	29.57	57	SSE	1	bc	29.73	+16	57	49	+7	N	1	c	*	59	45	-
	Shields ...	29.56	50	N	3	0	29.61	+14	49	46	0	N	5	0	5	54	45	0.09
	Spurn Head ...	29.54	50	NW	5	r	29.59	+13	49	47	-7	NW	7	cpm	6	57	45	0.09
	York ...	29.57	52	W	3	0	29.65	+17	49	46	-6	NW	4	0	*	55	46	0.07
	Loughborough	29.57	52	NNE	2	0	29.68	+15	51	48	-5	NW	2	c	*	59	46	0.03
GERMANY.	Ardrossan ...	29.58	57	W	1	5m	29.74	+19	55	49	+3	NW	2	b	1	58	42	-
	Malin Head ...	29.64	55	NW	3	b	29.82	+26	50	47	-2	N	4	bm	3	56	49	-
	Mullaghmore ...	29.69	55	NW	5	c	29.86	+31	53	49	-5	N	5	bc	3	60	50	-
	Belmullet ...	29.74	54	N	5	0	29.91	+32	53	48	-4	NNE	3	0	*	59	50	-
	Donaghadee ...	29.63	51	NW	2	0	29.78	+24	52	50	0	N	5	b	3	56	47	0.01
	Barrow-in-Furness	29.57	53	NE	2	0	29.68	+22	51	47	-4	N	1	b	*	57	47	-
	Liverpool (Bdston)	29.59	54	ENE	1	0	29.71	+21	55	49	+2	NNE	2	bc	3	57	49	0.03
	Holyhead ...	29.61	53	NNE	2	om	29.75	+24	53	51	+1	N	3	b	2	55	49	0.02
	Parsonstown ...	29.56	61	NW	1	0	29.83	+27	53	49	-2	NW	1	bc	*	66	45	0.13
	Valencia ...	29.75	59	NW	2	om	29.90	+22	56	52	-3	N	2	0	2	60	53	0.01
FRANCE & NETHERLANDS.	Roche's Point...	29.66	64	NW	3	bc	29.82	+20	56	51	-1	N	5	b	4	66	51	-
	Pembroke ...	29.62	55	NW	3	0	29.76	+16	53	51	-2	N	3	cp	1	56	51	0.03
	Scilly ...	29.68	58	NW	6	0	29.78	+12	57	55	-1	NW	5	0	4	61	55	-
	Prawle Point ...	29.64	57	NW	4	c	29.73	+07	62	60	+5	NW	3	cp	2	64	53	0.04
	Jersey ...	29.66	60	NW	4	bm	29.73	+02	58	57	0	W	3	f	3	62	54	-
	Hurst Castle ...	29.58	58	W	5	cp	29.71	+08	53	53	-5	NW	1	orm	1	63	53	0.07
	Dungeness ...	29.54	57	WSW	4	bc	29.64	+04	55	50	-1	NNE	3	b	3	61	50	0.05
	London ...	29.54	62	NW	3	0	29.67	+08	56	51	-4	NW	1	c	*	66	49	0.10
	Oxford ...	29.58	57	NW	1	r	29.69	+12	55	52	-3	NW	2	bc	*	64	49	0.05
	Cambridge ...	29.58	56	NW	2	r	29.67	+14	53	50	-8	NW	1	0	*	66	47	0.03
PENIN-SULA.	Yarmouth ...	29.50	53	NW	3	c	29.57	+05	50	47	-8	NW	4	09	3	65	48	0.01
	Cuxhaven ...	29.50	54	SW	1	r	29.39	-16	56	55	-3	NW	6	0	*	61	53	1.50
	Berlin ...	29.54	62	NW	2	bc	29.49	-13	62	56	-1	SW	2	c	*	73	52	-
	Wiesbaden ...	*	*	*	*	*	29.59	-13	59	54	-1	W	2	b	*	68	46	-
	Munich ...	29.78	54	Z	0	c	29.63	-19	56	51	+1	SE	2	r	*	63	50	0.16
	The Helder ...	29.44	57	WSW	4	c	29.47	-04	53	50	-5	NW	4	c	3	59	50	0.04
	Brussels ...	*	*	*	*	*	29.62	-04	51	50	-6	NW	1	0	*	65	50	0.16
	Cape Gris Nez...	29.55	55	SW	5	c	29.63	+01	53	50	-1	N	4	0	3	59	50	0.08
	Paris ...	29.63	58	SW	3	bc	29.73	-03	55	53	-1	WSW	1	r	*	66	50	-
	Brest ...	29.79	59	N	4	b	29.87	+11	57	56	+2	W	4	0	5	72	54	0.08
PENIN-SULA.	Lorient ...	29.70	60	NW	7	c	29.84	+07	59	57	+2	NW	7	0	4	?	?	0.67
	Roche fort ...	29.62	59	NW	8	c	29.93	+03	59	58	0	NW	8	c	3	64	54	0.75
	Belfort ...	29.73	55	W	1	0	29.65	-19	56	49	0	W	1	r	*	66	49	0.39
	Lyons ...	29.70	58	SSE	1	0	29.78	-13	54	50	-3	NW	7	0	*	66	52	0.24
	Nice ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Perpignan ...	29.75	68	NE	1	?	29.91	-05	63	55	+1	NW	7	b	*	74	59	0.28
	Biarritz ...	29.80	64	W	8	r	30.02	+10	62	56	-2	NW	7	c	4	70	46	0.12
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	30.12	67	NW	5	0	30.13	-03	65	60	+1	N	5	b	5	75	61	-

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on Saturday, 30th June.

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

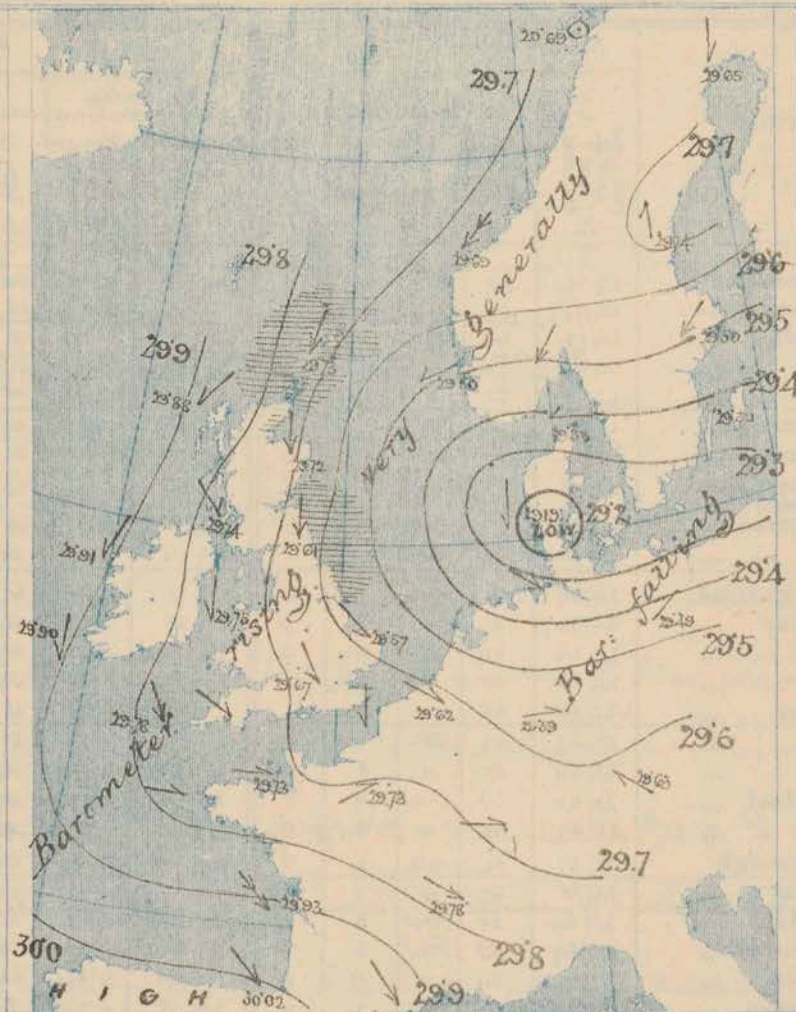
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 * — forces above 10; — forces 8 to 10;
 — forces 5 to 7; — forces 1 to 4;
 ○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

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.862
Stornoway	29.852
Wick	29.874
Nairn	29.880
Aberdeen	29.890
Leith	29.904
Shields	29.928
York	29.949
Loughborough	29.958
Ardrossan	29.909
Donaghadee	29.920
Holyhead	29.944
Liverpool	29.944
Parsonstown	29.952
Valencia	29.954
Roche's Point	29.952
Pembroke	29.952
Scilly	29.982
Jersey	29.994
Hurst Castle	29.981
Dover	29.971
LONDON.	29.976
Oxford	29.964
Cambridge	29.967
Yarmouth	29.963



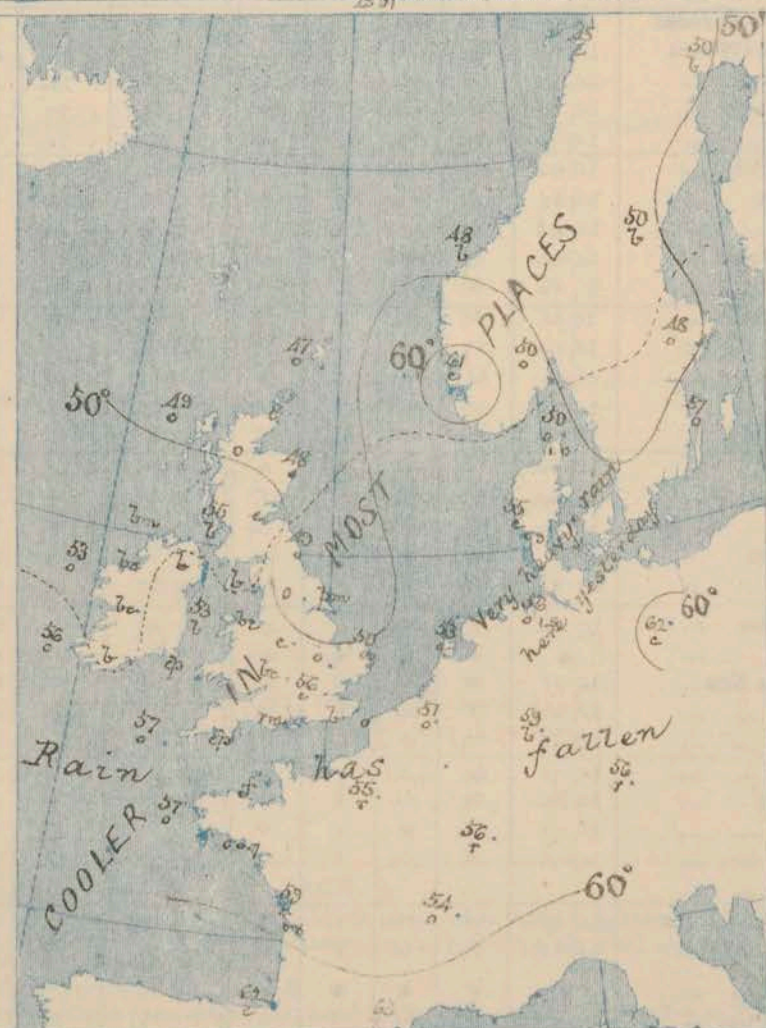
TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

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 June.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	54.5	45.1	50.4	48.7	2.07
Stornoway	57.6	46.0	53.3	51.0	2.09
Wick	58.8	45.7	53.1	50.4	1.75
Nairn	62.1	48.0	54.2	50.4	1.88
Aberdeen	61.3	47.5	54.7	50.9	1.88
Leith	64.5	48.1	56.0	52.5	1.84
Shields	60.9	49.1	54.9	51.9	1.82
York	66.2	48.3	56.1	52.7	2.45
Loughborough	68.7	49.0	58.1	54.1	2.43
Ardrossan	62.0	49.7	55.1	52.0	2.62
Donaghadee	60.9	48.9	55.0	52.8	2.04
Holyhead	61.7	51.6	55.6	53.1	2.10
Liverpool	68.6	50.9	56.6	52.6	1.96
Parsonstown	64.0	48.2	55.8	52.2	2.46
Valencia	61.7	50.7	56.8	53.8	3.42
Roche's Point	64.8	50.8	56.5	53.3	3.26
Pembroke	60.3	51.4	55.0	52.9	3.09
Scilly	61.1	53.0	57.2	55.0	1.94
Jersey	64.8	52.6	58.7	55.9	1.83
Hurst Castle	63.9	51.9	57.6	55.4	2.07
Dover	63.3	53.1	58.6	55.1	1.72
LONDON.	69.3	50.6	59.2	54.8	2.12
Oxford	67.1	49.4	56.9	53.4	2.28
Cambridge	68.8	48.5	58.0	54.7	2.46
Yarmouth	62.2	51.4	56.9	54.1	2.02

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, 30.0 ins: to 30.1 ins: and more, over Spain, 29.9 ins: in the west of Ireland.
 Lowest, 29.2 ins: and less, in a depression lying over the Danish Peninsula.
 Gradients moderately steep in the east, slight in the west. Barometer rising in our Islands and France, falling on eastern shores of the North Sea.

TEMPERATURE

Highest, 65° at Dublin, 63° at Liverpool, 62° at Biarritz, Pau, and Berlin.
 Lowest, 45° at Bodø, 47° at Lumburg Head, 48° at Aberdeen, 49° at Ullrich and Shields, 50° at Yarmouth.
 It has again fallen except in Norway, and is very low for the time of year.

WIND

NE², strong to a moderate gale, in the west and south of Norway.
 N², fresh, over Scotland, Ireland and the north-east of England.
 NW², strong, on our east coast, light over our Midland counties, again in the Bay of Biscay and south of France.

WEATHER

Fine in the north and west of Scandinavia, and at many of our own western stations.
 Cloudy over England and France, with showers in several places and fog at Jersey.
 Heavy falls of rain have again occurred on the eastern shores of the North Sea.

SEA

High at Lumburg Head, rough at our eastern stations, generally moderate elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the disturbances in the east pass away it is probable that fine weather will spread all over the Kingdom with moderating N² winds. A clear cold night is likely over England and Ireland.

FORECASTS

for the 24 hours ending at NOON on 1st JULY 1883.

DISTRICTS.

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

FORECASTS.

N² Winds, fresh or strong; some cold showers, clear at night.

NW² and N² breezes, moderate to fresh, showery to fair, finer and cold at night.

DISTRICTS.

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

WARNINGS

FORECASTS.

N² winds, moderate; showery to fair.

N² winds, moderate; 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.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	29.36	66	57	WNW 1	c	2	Holyhead ...	29.55	54	53	N 3	sm.	3
Sumburgh Head ...	29.56	53	48	WNW 7	bc	7	Valencia ...	29.70	59	58	WNW 3	sm d	3
Stornoway ...	29.73	52	51	NE 5	0	5	Scilly ...	29.66	61	57	NW 5	c	4
Aberdeen ...	29.56	51	46	N 5	0	3	Jersey ...	29.63	61	56	W 4	bc	3
Shields ...	29.55	51	48	N 4	0	4	Dungeness ...	29.56	60	56	WSW 5	bc	4
Ardrossan ...	29.58	56	54	W 2	b	1	London ...	29.54	63	58	W 3	0	*
Malin Head ...	29.63	53	51	N 3	0	4	Yarmouth ...	29.50	63	58	WNW 4	c	2
Mallaghmore ...	29.61	59	57	WNW 3	sm	2	Rochefort ...	29.70	60	60	SSW 8	T	4
Belmullet ...	29.68	56	54	N 4	0	*							

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

The Continental Information will appear in Sunday's report.

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 JUNE 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.	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.	
1	Corunna...	*	*	*	*	*	30.11	-.13	67	65	+6	NNE	1	b	4	72	54	0.04
3	Skudesnaes	30.22	39	NW	6	c	30.11	-.04	46	-	+2	ENE	3	c	5	46	39	-
4	Corunna...	*	*	*	*	*	29.98	-.08	66	64	+1	SW	5	f	3	72	59	-
5	Corunna...	*	*	*	*	*	29.96	-.02	64	61	-2	NW	3	o	0	68	57	-
6	Corunna...	*	*	*	*	*	29.99	+0.03	69	63	+5	ENE	1	b	1	70	52	0.04
7	Corunna...	*	*	*	*	*	30.00	+0.01	66	61	-3	SW	5	c	20	73	?	-
8	Paris.....	29.89	71	SW	3	b	29.85	-.08	66	59	+3	S	3	c	*	75	54	-
-	Brest.....	29.84	57	S	7	r	29.67	-.25	58	56	+2	SW	7	c	5	68	54	0.47
-	Belfort.....	29.99	74	W	1	b	29.95	-.05	71	54	+4	E	3	b	*	82	60	-
-	Nice.....	29.94	67	SSW	1	c	29.97	.00	68	65	-3	E	1	o	1	75	61	-
-	Perpignan	29.91	67	E	3	o	29.88	-.15	68	66	-2	E	3	o	*	80	64	-
-	Corunna...	*	*	*	*	*	29.86	-.14	64	59	-2	SW	8	c	4	72	52	0.16
9	Corunna...	*	*	*	*	*	30.14	+0.28	60	56	-4	SW	8	r	5	66	54	0.08
10	Cape Gris-Nez	29.69	54	NW	7	c	29.95	+0.30	53	-	-5	W	5	o	5	63	52	0.08
11	Nice.....	29.92	69	SSE	3	bc	30.02	+0.14	67	64	0	S	1	o	3	75	61	-
13	Corunna...	*	*	*	*	*	30.05	+0.08	64	60	+1	NE	1	c	4	70	43	0.12
14	Corunna...	*	*	*	*	*	30.08	+0.03	61	59	-3	WSW	1	r	4	63	52	-
16	Corunna...	*	*	*	*	*	30.03	+0.03	64	60	-1	WNW	3	o	2	72	57	-
20	Rochefort.....	29.97	72	NE	2.5	bc	29.91	-.21	56	?	-2	NE	5	o	0	81	50	-
21	Corunna...	*	*	*	*	*	30.05	+0.02	66	61	+4	NNE	1	b	0	66	57	-
23	Corunna...	*	*	*	*	*	29.95	-.04	66	64	+4	NE	1	f	0	68	50	-
25	Corunna...	*	*	*	*	*	30.06	+0.16	68	63	-5	WNW	1	f	0	70	57	-
26	Haparanda...	29.97	52	NW	4	c	30.11	+0.38	48	44	-15	N	4	bc	*	66	?	-
-	Hernösand...	30.06	67	NW	8	b	30.19	+0.09	54	48	-15	NE	6	b	*	81	?	-
27	Corunna...	*	*	*	*	*	29.96	-.04	64	63	+3	SW	5	f	3	68	57	0.98
28	Haparanda...	29.80	45	W	2	bc	29.71	-	53	51	-	S	2	b	*	59	43	-
-	Hernösand...	29.57	70	NW	6	b	29.75	-	52	44	-	N	2	b	*	84	46	-
-	Lyon.....	29.78	73	SSE	1	o	29.95	-.02	58	-	-6	N	1	c	*	79	55	0.59
29	Haparanda...	29.51	44	N	6	o	29.46	-.25	43	40	-10	N	6	c	*	52	37	-
-	Corunna...	*	*	*	*	*	29.91	-.21	66	64	-1	SSW	8	r	4	70	55	0.08
30	Nice.....	29.63	71	SW	9	c	29.49	-.27	63	-	-5	NW	7	b	6	79	54	0.28
-	Corunna...	*	*	*	*	*	30.10	+0.19	65	-	-1	NE	4	c	5	68	50	-

Continued on Page 4.

Continued on Page 4.

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 ...	29.996	46.8	42.1	51.4	46.8	33	2 nd	58	23 rd	0.277
	Wick ...	29.999	51.2	42.4	55.7	49.6	32	5 th	68	17 th	.323
	Stornoway ...	29.957	51.6	42.7	56.5	49.6	31	2 nd	75	26 th	.335
1. SCOTLAND, E.	Nairn ...	29.979	50.6	43.0	59.3	51.2	30	2 nd	84	26 th	.301
	Aberdeen ...	29.994	50.5	43.6	57.5	50.6	30	4 th	70	26 th	.290
	Leith ...	29.981	51.3	44.8	57.6	51.2	39	3 rd + 5 th	72	14 th	.365
2. ENGLAND, N.E.	Shields ...	29.955	50.2	45.2	56.0	50.6	40	3 rd	67	12 th	.312
	York ...	29.956	53.3	46.1	63.2	54.7	36	5 th	85	26 th	.331
	Spurn Head ...	29.940	52.4	48.2	57.3	52.8	43	5 th	69	12 th	.338
3. ENGLAND, E.	Yarmouth ...	29.939	55.1	50.1	60.2	55.2	42	1 st	81	3 rd	.364
	Cambridge ...	29.942	57.1	47.7	68.2	58.0	41	7 th	88	25 th	.378
4. MIDLAND COUNTIES.	Loughborough ...	29.954	54.2	47.9	66.2	57.1	39	18 th	84	25 th + 26 th	.342
	Oxford ...	29.949	54.5	49.2	64.6	56.9	39	18 th	77	25 th	.347
5. ENGLAND, S.	London ...	29.948	57.0	50.4	67.0	58.7	45	18 th	85	25 th	.361
	Dungeness ...	29.924	55.2	50.1	60.1	55.1	42	1 st + 18 th	75	25 th	.370
	Hurst Castle ...	29.944	55.9	51.1	62.6	56.9	42	18 th	73	2 nd + 25 th	.412
6. SCOTLAND, W.	Ardrossan ...	29.947	53.2	46.4	61.3	53.9	38	5 th	80	26 th	.325
7. ENGLAND, N.W.	*Hawes Junction ...	28.716	49.9	43.3	58.3	50.8	35	5 th	78	26 th	.307
	Barrow-in-Furness ...	29.934	54.3	49.7	62.1	55.9	40	17 th	82	25 th + 26 th	.334
	Liverpool Obs. (Bidston) ...	29.938	55.8	49.4	63.4	56.4	44	6 th + 20 th	82	25 th	.326
	Holyhead ...	29.925	54.2	49.6	59.7	54.7	45	6 th	78	25 th	.355
8. ENGLAND, S.W.	Pembroke ...	29.917	54.2	50.7	59.4	55.1	38	6 th	70	23 rd + 25 th	.388
	Prawle Point ...	29.942	55.3	48.2	60.1	54.2	41	15 th	71	23 rd	.394
9. IRELAND, N.	Malin Head ...	29.917	57.2	48.3	56.0	52.2	40	2 nd	68	25 th	.333
	Donaghadee ...	29.943	52.8	48.5	60.1	54.3	44	1 st	71	26 th	.350
	Mullaghmore ...	29.909	54.1	49.4	60.8	55.1	41	14 th	76	25 th	.343
	Belmullet ...	29.908	55.2	50.6	60.4	55.5	44	4 th	75	25 th	.355
10. IRELAND, S.	Parsonstown ...	29.918	55.1	49.1	64.4	56.8	39	14 th	76	25 th	.351
	Valencia ...	29.909	58.5	51.9	62.9	57.4	45	10 th + 14 th	73	24 th	.395
	Roche's Point ...	29.907	56.5	51.2	61.3	56.3	45	14 th	69	23 rd + 30 th	.390
CHANNEL ISLANDS.	Scilly (St. Mary's) ..	29.911	56.5	51.4	60.3	55.9	41	6 th	66	27 th	.404
	Jersey (Noirmont) ...	29.965	57.0	52.1	63.2	57.7	45	22 nd	78	24 th	.394

* Hawes Junction is 1135 feet above mean Sea Level and the

* Hawes Junction is 1185 feet above mean Sea Level and the

RTING
Hail,
er of

STATIONS in the BRITISH ISLANDS during the Month of JUNE 1888
Thunderstorms and Gales are counted irrespective of the hours at which they occurred.
Latitude, beginning in each case with the Station lying furthest North.)

Tension of Vapour	Relative Humidity	Amount of Cloud	Rainfall.		Date	Weather							Wind								
			Total Fall in the month	Maximum Fall in one day		No. of Days of							No. of Observation of								
			ins.	in.		Rain	Snow	Hail	Thunderstorms	Clear Sky	Overcast	Gales	North	N.E.	East	S.E.	South	S.W.	West	N.W.	Calms
ins.	%		ins.	in.																	
0.277	87	7.6	1.80	0.87	9 th	9	0	0	0	5	16	1	5	12	1	4	2	0	1	4	1
323	86	6.6	1.45	0.60	3 rd	9	0	0	0	9	15	2	3	6	4	7	7	1	1	1	0
335	88	5.8	1.83	0.42	3 rd	11	0	0	0	8	13	7	1	3	12	4	1	2	0	2	5
301	81	6.6	1.25	0.43	3 rd	11	0	1	0	9	16	0	2	3	11	1	0	2	2	0	9
200	79	7.1	2.57	1.01	3 rd	10	0	0	1	5	17	1	7	5	4	4	3	2	2	2	1
365	80	7.1	2.01	0.40	2 nd	14	0	0	3	5	15	0	2	4	16	1	1	5	0	0	0
312	86	8.1	1.74	0.54	2 nd	13	0	0	1	4	19	0	13	4	4	1	2	2	3	1	0
331	81	7.2	1.86	0.40	13 th	15	0	0	2	6	15	0	8	3	5	2	2	5	3	0	0
338	86	5.7	1.70	0.29	9 th	17	0	0	1	4	4	2	5	7	3	3	1	3	5	3	0
364	84	5.2	0.87	0.30	30 th	18	0	0	2	5	3	0	4	8	2	1	4	3	4	4	0
378	81	8.3	1.72	0.49	14 th	15	0	3	6	2	20	0	9	1	2	0	7	7	2	2	0
342	81	8.8	1.75	0.42	20 th	15	0	0	5	0	21	1	6	7	3	4	1	1	5	2	1
347	82	7.5	2.88	1.03	24 th	17	0	2	4	3	16	0	2	9	1	2	5	3	5	3	0
361	77	8.5	2.85	0.93	26 th	18	0	0	4	0	19	0	1	7	4	2	5	3	5	3	0
370	85	6.8	1.76	0.27	13 th 21 st	18	0	0	2	2	8	0	3	6	3	0	4	4	7	3	0
412	92	6.5	2.93	0.62	24 th	18	0	1	2	2	5	1	3	4	3	1	4	7	7	0	1
325	80	4.6	2.93	0.85	11 th	12	0	0	0	15	11	2	1	13	5	0	2	2	1	3	3
307	86	6.6	3.08	1.07	9 th	15	0	0	1	7	16	0	3	7	9	2	5	2	1	0	1
334	79	5.8	1.32	0.34	24 th	13	0	0	1	7	11	1	4	12	1	6	1	3	0	3	0
326	73	6.2	2.04	0.75	24 th	20	0	0	2	8	13	0	2	6	7	7	1	1	5	1	0
353	84	6.3	2.74	0.46	24 th	19	0	0	1	6	11	0	2	7	5	2	6	3	2	2	1
388	93	7.0	2.39	0.67	5 th	18	0	0	0	5	15	1	2	3	5	6	4	6	2	2	0
394	90	7.1	2.56	1.10	5 th	15	0	0	1	4	14	0	0	6	5	1	3	5	6	3	1
333	89	6.4	3.17	0.73	11 th	15	0	0	1	8	15	0	2	2	6	10	3	0	2	5	0
350	87	5.1	3.19	0.62	11 th	17	0	0	3	12	10	2	6	8	4	4	3	2	1	2	0
343	81	6.7	5.63	1.10	5 th	14	0	1	1	6	12	6	3	2	11	3	1	3	3	3	1
355	82	7.7	4.45	0.98	11 th	14	0	0	1	6	21	0	2	3	10	4	1	3	4	3	0
351	81	7.3	4.75	1.67	5 th	17	0	0	1	5	17	0	3	3	1	1	1	4	1	1	15
305	80	7.3	3.31	1.30	11 th	19	0	0	1	3	17	1	3	4	1	5	2	3	5	3	4
390	85	6.2	5.43	1.30	11 th	16	0	0	0	6	11	0	3	2	5	6	3	3	3	5	0
404	88	8.9	3.12	0.66	27 th	17	0	0	1	0	20	3	3	1	5	3	4	5	3	5	1
394	85	6.6	2.97	0.80	5 th	15	0	1	3	6	13	2	1	5	3	4	1	4	9	2	1

Barometric Observations at this Station are not corrected for altitude.

2. CORRECTIONS.

DATE.	STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	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.		
2	Leith.....	30.22																	
	Hurst Castle..																		
3	Loughborough..	30.06																	
4	Malin Head...												N.E.					0.15	
7	Shields.....																	0.21	
8	Ardrrossan....																	0.28	
	Valencia.....																		
10	Aberdeen.....																	0.01	
	Holyhead.....																	0.08	
	Cambridge....																	No rain	
11	Malin Head...																	1.29	
12	Parsonstown..																	0.09	
13	Sumburgh Hd.																	0.28	
	Valencia.....																	0.02	
	Cambridge....																		
	Ardrrossan 4pm																		
15	Ardrrossan...		57											3					
	Malin Hd. 4pm																		
16	Sumburgh Hd.						30.13	+0.25										0.12	
	Jersey.....																		
19	Malin Hd. 4pm																		
21	Loughborough													0					
	Mullaghmore																		
22	Konaghadee...																		
	Valencia.....						30.05	+0.02								65	51		
	Jersey.....						30.03	+0.08											
23	Loughborough						30.27	+0.17											
24	Sumburgh Hd.	30.37																No rain	
25	Mairn.....																		
	Malin Hd....	30.05																	
26	Ardrrossan...	30.01																0.04	
27	Loughborough																	0.80	
29	Belmullet...																		