

METEOROLOGICAL OFFICE

LONDON.

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DAILY WEATHER REPORTS.

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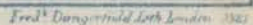
1<sup>ST</sup> JANUARY—30<sup>TH</sup> JUNE.

1887.



January to June, 1887.

January to June, 1887.





# DAILY WEATHER REPORT.

for Wednesday 1<sup>st</sup> June

1887.

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.	
<b>SCANDINAVIA.</b>																			
Haparanda ...	29.89	44	Z	0	0		30.02	+ .02	53	46	+ 9	N	4	bc	*		5	32	—
Hernösand ...	29.98	53	Z	0	0		30.07	+ .09	52	45	+ 4	N	4	c	*		61	34	—
Stockholm ...	30.01	51	WSW	2	c		30.02	— .03	56	50	+ 7	NE	2	bc	*		64	29	—
Wisby ...																			
Bodö ...	30.08	43	WSW	2	c		30.16	+ .25	42	40	— 1	SW	4	o	2		43	39	0.04
Christiansund ...	30.18	46	N	1	bc		30.14	+ .03	47	43	+ 1	NE	4	bc	3		?	1	—
Skudesnaes ...	30.13	48	NW	6	o		30.08	— .07	48	43	0	NW	4	o	3		50	48	—
Christiania Fjord (Ferder)	29.99	53	S	4	b		30.10	+ .06	52	48	— 1	NNE	2	bc	1		57	52	—
Skagen (The Scaw)	30.04	47	WSW	1	bc		30.04	— .04	57	48	— 2	S	1	c	0		54	45	—
Fanö ...	30.15	47	NW	4	o		30.11	— .08	50	46	— 8	WNW	3	c	*		63	43	—
<b>BRITISH ISLANDS.</b>																			
Sumburgh Head	30.19	47	Z	0	o		30.15	— .04	45	42	0	Z	0	o	0		49	42	—
Stornoway ...	30.10	51	NE	1	b		30.07	— .10	47	47	— 3	NE	1	om	1		54	39	—
Wick ...	30.15	46	NNE	2	o		30.10	— .10	48	45	— 1	NNE	2	o	1		53	44	—
Nairn ...	30.11	50	NE	1	m		30.10	— .08	47	46	— 2	ENE	1	o	1		58	45	—
Aberdeen ...	30.15	53	SSW	4	bc		30.10	— .12	54	50	+ 4	SSW	3	b	1		56	43	—
Leith ...	30.12	61	SE	1	b		30.10	— .12	60	50	+ 9	NE	1	bc	*		62	39	—
Shields ...	30.19	47	E	2	m		30.10	— .12	46	44	+ 2	E	2	o	3		48	42	—
Spurn Head ...	30.16	52	E	4	b		30.05	— .11	49	48	— 4	ESE	4	b	3		54	47	—
York ...	30.17	58	E	1	b		30.06	— .13	53	48	— 1	E	2	bc	*		64	39	—
Loughborough	30.10	59	ENE	3	b		30.01	— .12	49	48	— 3	ENE	2	ogp	*		65	39	—
<b>GERMANY.</b>																			
Arrossan ...	30.08	65	NW	3	bm		30.04	— .14	58	49	+ 7	N	3	bm	2		65	46	—
Malin Head ...	30.08	53	E	3	om		30.00	— .14	52	50	— 2	E	3	om	1		55	50	—
Mullaghmore ...	30.05	59	NNE	2	c		29.96	— .17	53	49	+ 3	E	4	bc	2		60	50	—
Belmullet ...	30.16	56	NE	3	o		29.94	— .17	55	51	0	E	2	o	*		61	50	—
Donaghadee ...	30.10	57	ENE	2	c		30.03	— .14	54	49	+ 4	E	4	b	2		62	48	—
<b>FRANCE &amp; NETHERLANDS.</b>																			
Barrow-in-Farness	30.10	59	SE	3	b		30.02	— .12	50	45	— 3	NE	3	bc	*		65	44	—
Liverpool (Bidston)	30.07	61	ESE	3	b		29.99	— .15	53	49	+ 1	E	3	b	3		65	43	—
Holyhead ...	30.04	58	ENE	3	c		29.91	— .16	54	49	+ 1	ENE	3	bc	2		61	48	—
Parsonstown ...	30.02	60	Z	0	c		29.90	— .20	55	51	0	NE	1	o	*		62	50	—
Valencia ...	29.98	56	W	2	omg		29.82	— .26	55	54	0	ENE	3	rm	3		60	50	0.02
Roche's Point ...	30.01	56	SE	3	bc		29.84	— .22	52	52	— 3	ESE	5	rm	4		60	50	0.15
Pembroke ...	29.98	59	ESE	2	bc		29.87	— .11	49	48	— 4	ESE	5	ogp	3		60	47	0.36
Scilly ...	29.94	52	ESE	4	of		29.84	— .17	55	54	+ 1	SE	4	c	3		57	50	0.13
Prawle Point ...	29.96	67	ENE	3	c		29.91	— .12	51	51	— 4	ENE	1	f	1		60	51	0.17
Jersey ...	29.96	60	ENE	2	ogm		29.92	— .08	55	55	— 4	SSE	1	cf	3		64	51	0.03
<b>SPAIN &amp; PORTUGAL.</b>																			
Hurst Castle ...	29.99	57	E	2	om		29.91	— .14	54	54	— 1	NE	2	c	1		65	50	0.25
Dungeness ...	29.98	56	E	5	c		29.88	— .14	54	50	— 3	ENE	3	o	2		59	52	—
London ...	30.03	62	E	4	bc		29.92	— .16	55	52	+ 1	E	2	o	*		68	44	0.04
Oxford ...	30.04	58	ENE	3	c		29.96	— .14	48	47	— 3	NE	1	o	*		64	44	0.14
Cambridge ...	30.09	55	E	1	b		29.96	— .16	53	51	— 5	NNE	1	o	*		67	43	0.05
Yarmouth ...	30.11	52	ENE	5	b		29.98	— .15	52	51	0	ENE	5	bc	4		54	48	—
Curhaven ...	30.18	52	NNE	2	b		30.14	— .02	58	52	+ 5	E	1	b	*		59	52	—
Berlin ...	30.14	56	ESE	2	b		30.15	— .05	56	47	+ 8	SE	2	b	*		64	43	—
Wiesbaden ...	*	*	*	*	*		30.02	— .04	58	53	+ 2	NE	3	o	*		68	54	0.04
Munich ...	30.10	57	NE	1	r		30.07	— .02	59	57	0	SE	2	o	*		66	52	0.28
<b>ITALY.</b>																			
The Helder ...	30.10	55	NE	4	b		30.03	— .09	54	50	+ 1	ENE	4	bc	3		57	52	—
Brussels ...	*	*	*	*	*		29.93	— .10	63	60	+ 6	ESE	1	o	*		71	56	0.08
Cape Gris Nez ...	29.99	54	ENE	7	c		29.88	— .13	57	56	0	SE	1	m	1		59	50	—
Paris ...	29.96	67	SSW	3	bc		29.95	— .07	59	58	— 4	SW	3	bc	*		74	52	—
Brest ...	29.97	57	SW	1	c		29.92	— .07	55	51	+ 5	S	3	bc	3		63	45	—
<b>AFRICA.</b>																			
Lorient ...	29.99	60	Z	0	b		29.95	— .07	55	55	+ 4	WSW	1	c	2		61	48	—
Rocheport ...	30.03	66	Z	0	c		30.00	— .03	58	58	+ 2	NW	1	o	1		72	54	0.04
Belfort ...	30.01	66	E	1	o		29.94	— .12	70	63	+ 3	E	1	b	*		73	42	0.32
Lyons ...	29.97	65	E	3	b		29.95	— .11	64	61	+ 5	ENE	1	bc	*		73	56	0.20
Nice ...	29.99	64	W	1	b		29.98	— .08	65	60	— 1	Z	0	b	0		72	55	—
<b>ASIA.</b>																			
Perpignan ...	29.97	61	NE	3	o		29.97	— .11	59	59	0	Z	0	o	*		68	53	—
Biarritz ...	30.04	62	W	5	o		29.93	— .02	60	59	— 2	E	1	o	0		72	57	0.16
<b>AMERICA.</b>																			
Corunna ...	*	*	*	*	*		29.89	— .13	64	63	+ 5	SW	1	o	1		68	55	0.16
Lisbon ...	30.01	59	ENE	3	o		29.88	— .20	61	59	0	SW	7	c	4		62	57	0.35

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on WEDNESDAY 1<sup>st</sup> June 1887.

## 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.

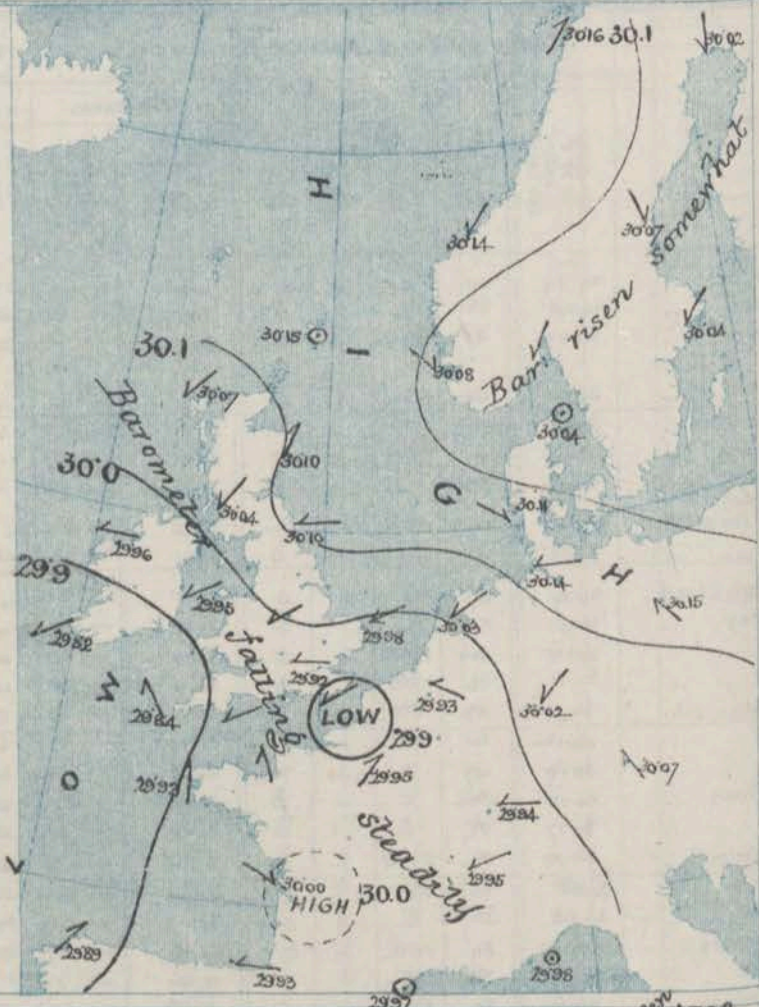
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of June.  
During the 10 Years 1871-1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head.	29.880
Stornoway.	29.832
Wick.	29.861
Nairn.	29.868
Aberdeen.	29.876
Leith.	29.892
Shields.	29.918
York.	29.936
Ardrossan.	29.895
Donaghadee.	29.898
Holyhead.	29.929
Liverpool.	29.930
Valencia.	29.929
Roche's Point.	29.929
Pembroke.	29.937
Scilly.	29.971
Hurst Castle.	29.969
Dover.	29.962
LONDON.	29.963
Oxford.	29.953
Cambridge.	29.960
Yarmouth.	29.956



## 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.

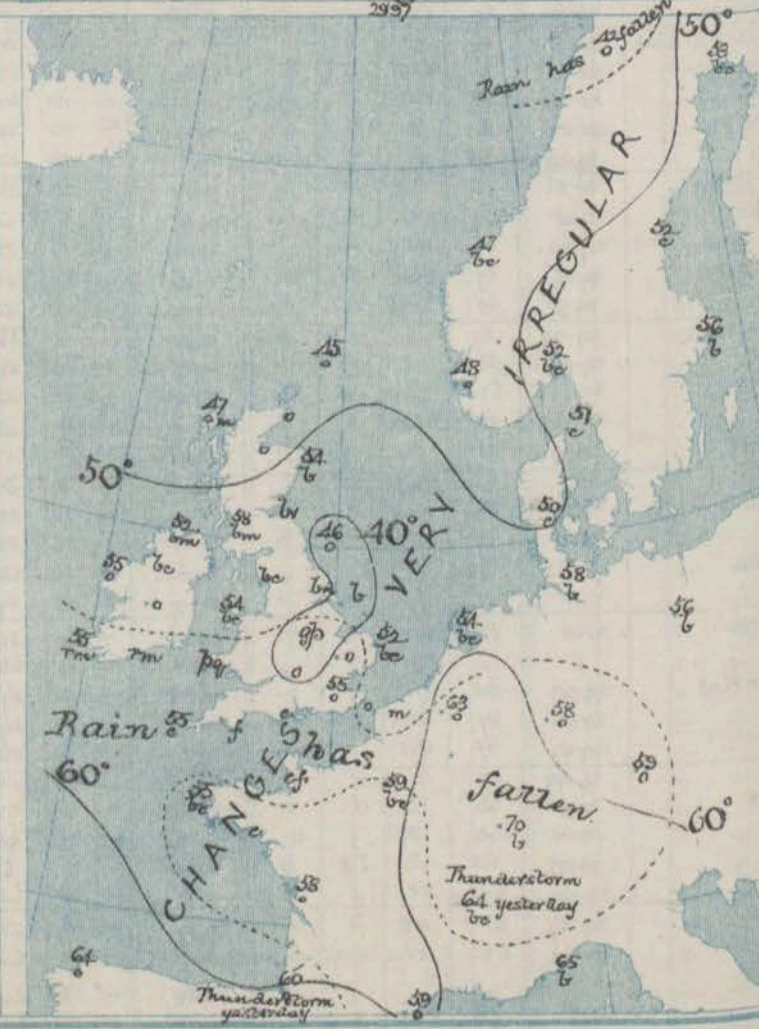
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## 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.	54.9	45.5	50.7	49.1	2.07
Stornoway	53.3	40.4	51.2	51.7	2.99
Wick	59.2	46.0	53.8	50.7	1.75
Nairn	52.7	48.4	54.8	50.8	1.88
Aberdeen	51.5	48.2	54.8	51.1	1.58
Leith	55.2	48.4	50.4	53.1	1.84
Shields	51.2	50.1	55.2	51.9	1.82
York	56.5	48.6	50.6	53.2	2.45
Ardrossan	53.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	60.1	51.5	56.8	53.6	3.25
Pembroke	61.2	51.8	55.4	53.2	2.00
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle.	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

Note — The Temperature means are for the 10 years 1871-80, 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 a band extending from the northward part of the North Sea to the Netherlands and Germany.  
Lowest, 29.9 ins and less in a large area lying to the southward of our islands, and also in a small depression, which has appeared near the Straits of Dover.

## TEMPERATURE

Highest, 70° at Belfast, 65° at Nice, 61° at Lyons and Corunna, 63° at Brussels and 61° at Lisbon.  
Lowest, 42° at Leeds, 45° at Lumburg Head, 46° at Shields and 47° at Christiansund, Hornoway and Naime.  
[During yesterday the thermometer exceeded 65° at some of the English stations.]

## WIND

N<sup>ly</sup> in Scandinavia; chiefly E<sup>ly</sup> in our islands; variable in France.  
Light or moderate in force generally, but strong from S.W. at Lisbon.

## WEATHER

Fine at several of our northern stations as well as in Scandinavia, the Netherlands, Germany and the east of France.  
Cloudy or overcast elsewhere, with fog at some of the Channel stations and rain in the south of Ireland.  
[Thunderstorms occurred yesterday in some parts of France.]

## SEA

Moderate at Roche's Point and Yarmouth, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone noticed yesterday over our islands and the North Sea has partially dispersed; the barometer has fallen at all but the Scandinavian stations; and a large area of low-pressure has appeared off our south-west coasts, while a small shallow depression has advanced from the southward to the eastern part of the Channel.

These disturbances will probably move northwards, and the unsettled weather now prevailing over the southern parts of the Kingdom is therefore likely to extend gradually to our northern stations. Thunderstorms are not improbable over England.

## FORECASTS

for the 24 hours ending at NOON on

2<sup>nd</sup> June

1887.

### DISTRICTS.

### FORECASTS.

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

Light breezes, chiefly E<sup>ly</sup>, dull, rain locally.

E<sup>ly</sup> winds, moderate, fine to dull and some rain, possibly thunder.

----- D° ----- D° -----

Same as N° 5.

Same as N° 5.

E<sup>ly</sup> winds, moderate, dull, unsettled, some rain, thunder locally.

### DISTRICTS.

### FORECASTS.

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

Same as N° 1.

Same as N° 1.

E<sup>ly</sup> and SE<sup>ly</sup> winds, freshening; dull, rain at times.

E<sup>ly</sup> winds, freshening, fair to dull and rainy.

Same as N° 8.

None issued.

### WARNINGS

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Woa.	Sea.		Bar.	Dry.	Wet.	Wind.	Woa.	Sea.		
Skudesneoe ...	30.15	50	44	NW	6	0	3	Holyhead ...	30.08	61	53	ENE	2	bom	2
Sumburgh Head ...	30.21	47	42	Z	0	0	0	Valencia ...	30.02	60	56	N	2	om	2
Stornoway ...	30.16	53	51	NE	1	6	1	Scilly ...	29.98	56	54	E	4	of	4
Aberdeen ...	30.21	52	48	S	5	6	2	Dungeness ...	29.99	58	54	E	4	60	3
Shields ...	30.21	47	45	ENE	2	f	3	London ...	30.07	65	54	E	2	60	*
Ardrossan ...	30.13	61	55	NW	3	60	2	Yarmouth ...	30.13	53	50	ENE	5	b	4
Malin Head ...	30.11	54	58	E	3	0	1	Jersey ...	29.98	62	59	E	3	c	3
Mullaghmore ...	30.10	57	53	ENE	4	om	2	Rocheport ...	30.04	67	64	SE	2	r	1
Belmullet ...	30.09	60	54	NE	3	0	*								

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

The reports for yesterday showed that pressure varied from a little above 30.2 ins over the east of Scotland and from between 30.1 ins and 30.2 ins over the whole of the North Sea, the north of our islands and part of North Germany, to rather below 29.5 ins in a depression lying near St. Petersburg and to rather below 30.0 ins over the Bay of Biscay and north of Spain. In the latter district there appeared to be a very shallow depression moving northwards. The winds reported were consequently chiefly N.W. (W to N.E.), but varied greatly over France and the Peninsula. Over England it was freshening from the E. The weather though fair over the British Islands was cloudy in the south, while over France showers were reported generally, and then descending inland. Temperature was inclined to rise over France and England, and varied from between 70° and 83° over Algeria and from upwards of 70° over the S. parts of the Mediterranean generally to between 50° and 60° over Ireland and England and to between 40° and 45° over Northern Europe. The highest individual values were 83° at Biskra (Algeria), 75° at Constantinople and Malta, 73° at Lesina, 72° at Naples, 70° at Rome and Brindisi, 67° at Trieste, 66° at Palermo, 54° at Valencia and 54° in London; the lowest were 39° at Archangel, 41° at Kaspick and Riga, 43° at Rode, 44° at Haparanda and Shields and 45° at Sumburgh Head.

During the day the sky cleared temporarily and temperature rose to between 64° and 68° over England and to between 70° and 75° in many parts of France, but the improvement was very temporary.

### General Remarks for 24 hours ending 8 am on Friday May 20<sup>th</sup> 1887.

The reports for Thursday, 19<sup>th</sup> May, showed that pressure then varied from 30.3 ins at Corunna and off the Portuguese coast, and from 30.1 ins and upwards over Central Russia to 29.3 ins over the north-west of Norway. The two high-pressure systems were separated by a depression lying over Bulgaria and the south of Hungary, and in which readings were as low as 29.7 ins, while another small depression lay over the Gulf of Genoa. Thus, cold W. winds prevailed over the British Islands and North Sea, while over the Baltic the wind was S.E., and in the south of France N.W. The weather was very cloudy in the west and north-west, with rain at times. Temperature was low over the whole of Western Europe, but had risen in the north and over Russia. The highest individual values were 69° at Algiers, 67° at Cagliari, Nicolaieff and Odessa, 66° at Brindisi, 65° at Kiev, 64° at Kharkov, 63° at St. Petersburg and 57° at Haparanda; the lowest were 44° at Stornoway and Helsingfors, 45° at Christiansund, Fano, Hangö and La Hève, 46° at Le Mans, Besançon and Belfort, and 49° at Yarmouth.

Later in the day there was no change of importance.

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

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

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

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

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



# DAILY WEATHER REPORT.

for Thursday 1<sup>st</sup> June 1887.

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 ...	29.97	49	N	2	b	30.01	-0.01	51	45	-2	N	4	b	*	59	39	-		
Hernösand ...	30.06	46	SE	0	b	30.07	0.00	53	46	+1	E	2	b	*	61	43	-		
Stockholm ...	30.02	50	ESE	2	b	30.04	+0.02	55	48	-1	NNE	3	b	*	63	43	-		
Wisby ...	30.00	49	NE	2	b	30.01	0.00	49	45	0	NE	2	b	*	61	45	-		
Bodö ...	30.13	43	W	4	o	30.12	-0.04	45	42	+3	W	2	c	1	45	39	-		
Christiansund ...	30.06	48	NNE	4	b	30.02	-0.12	32	46	+5	NNE	3	b	3	54	45	-		
Skudesnæs ...	30.01	49	NW	4	b	29.99	-0.09	52	50	+4	NW	2	o	3	54	46	-		
Christiania Fjord (Færder) ...	29.98	56	SW	2	b	30.02	-0.08	53	52	+1	NW	4	c	1	57	52	-		
Skagen (The Scaw) ...	29.98	53	S	1	b	30.00	-0.04	55	51	+4	SSE	1	b	0	63	46	-		
Fanø ...	29.96	44	NW	1	b	29.93	-0.18	58	53	+5	ESE	3	b	*	59	43	-		
BRITISH ISLANDS.																			
Sumburgh Head ...	30.09	46	SE	0	o	30.02	-0.13	46	42	+1	NE	1	o	0	50	42	-		
Stornoway ...	29.89	55	NE	1	b	29.87	-0.20	53	50	+6	SE	1	b	1	56	42	-		
Wick ...	30.02	49	NNE	3	o	30.00	-0.10	46	44	-2	S	2	o	1	54	43	-		
Nairn ...	29.99	48	NE	2	o	29.97	-0.13	48	46	+1	ESE	2	o	2	56	44	-		
Aberdeen ...	30.04	48	SE	4	b	30.01	-0.09	46	44	0	SSE	2	o	1	58	43	-		
Leith ...	29.98	47	NE	1	b	29.96	-0.14	49	47	-11	SE	1	o	*	60	41	-		
Shields ...	30.00	48	E	3	o	29.98	-0.15	46	45	0	NE	1	o	2	50	44	-		
Spurn Head ...	29.94	48	ESE	4	c	29.87	-0.18	48	46	-1	NE	5	c	5	52	45	0.01		
York ...	29.96	52	E	2	o	29.91	-0.15	48	46	-5	ESE	2	o	*	63	45	0.05		
Loughborough ...	29.89	52	ESE	2	o	29.85	-0.16	49	47	0	ESE	3	o	*	61	46	0.16		
Ardrossan ...	29.90	52	ESE	4	b	29.91	-0.13	49	46	-9	NNE	4	om	2	65	45	-		
Malin Head ...	29.84	58	ESE	4	om	29.84	-0.16	49	49	-3	E	4	om	2	58	49	-		
Mullaghmore ...	29.78	54	NE	1	o	29.78	-0.18	54	51	+1	ESE	5	om	3	63	50	-		
Belmullet ...	29.81	60	NE	1	c	29.77	-0.17	55	51	0	ESE	1	c	*	64	50	-		
Donaghadee ...	29.91	52	E	2	o	29.88	-0.15	49	47	-5	E	4	o	2	58	47	0.01		
Barrow-in-Furness ...	29.90	56	E	3	o	29.86	-0.16	50	47	0	NE	2	b	*	61	48	0.06		
Liverpool (Birkenhead) ...	29.86	58	ESE	4	c	29.84	-0.15	54	48	+1	E	3	b	3	59	47	0.05		
Holyhead ...	29.86	54	E	2	om	29.81	-0.14	56	53	+2	ESE	1	b	2	56	49	-		
Parsonstown ...	29.82	56	SE	1	o	29.77	-0.13	55	52	0	SE	2	c	*	57	49	0.10		
Valencia ...	29.72	58	E	4	o	29.65	-0.17	54	53	-1	ESE	5	ogm	5	60	52	0.37		
Roche's Point ...	29.77	53	SSE	5	p	29.72	-0.12	53	53	+3	SE	4	b	4	58	51	0.23		
Pembroke ...	29.82	54	ESE	3	b	29.77	-0.12	54	53	+5	ESE	1	c	1	57	48	-		
Scilly ...	29.78	55	SSE	4	b	29.75	-0.09	55	55	0	SSE	1	c	1	58	50	-		
Prawle Point ...	29.83	53	ESE	2	o	29.73	-0.18	55	54	+4	NE	3	om	2	58	51	0.01		
Jersey ...	29.81	60	NNE	2	b	29.68	-0.24	53	53	-2	NW	3	ogpt	3	64	52	0.38		
Hurst Castle ...	29.83	56	W	2	b	29.72	-0.19	52	52	-2	NE	4	om	2	60	49	-		
Dungeness ...	29.82	52	S	1	f	29.69	-0.19	54	53	0	NE	3	b	2	60	46	-		
London ...	29.82	62	ESE	2	o	29.76	-0.16	50	49	-5	NE	2	og	*	65	49	-		
Oxford ...	29.85	54	NE	1	o	29.79	-0.17	49	48	+1	NNE	3	og	*	56	46	0.46		
Cambridge ...	29.86	55	NE	1	o	29.78	-0.18	51	49	-2	N	1	ot	*	58	44	-		
Yarmouth ...	29.89	52	ESE	5	c	29.79	-0.19	51	50	-1	NE	4	c	4	53	48	0.01		
Cuxhaven ...	29.99	58	E	2	b	29.91	-0.23	59	55	+1	E	3	b	*	62	56	-		
Berlin ...	29.97	62	SE	2	b	29.91	-0.24	60	52	+4	SE	2	b	*	73	56	-		
Wiesbaden ...	*	*	*	*	*	29.74	-0.28	64	60	+6	NE	4	b	*	72	?	-		
Munich ...	29.88	58	NE	3	o	29.80	-0.27	62	58	+3	NE	4	b	*	68	50	0.71		
FRANCE & NETHERLANDS.																			
The Helder ...	29.87	55	NE	4	o	29.77	-0.26	57	53	+3	ESE	3	c	3	59	54	0.04		
Brussels ...	*	*	*	*	*	29.67	-0.26	59	58	-4	E	1	o	*	69	54	0.04		
Cape Gris Nez ...	29.82	51	SE	0	m	29.65	-0.23	52	52	-5	NE	4	f	3	64	46	-		
Paris ...	29.80	61	S	1	b	29.63	-0.32	60	60	+1	N	3	r	*	75	57	-		
Brast ...	29.83	59	S	1	o	29.77	-0.15	53	51	-2	N	3	o	2	64	45	-		
Lorient ...	29.81	58	NW	3	o	29.68	-0.27	56	54	+1	N	3	o	2	64	54	-		
Rochefort ...	29.80	70	NE	3	o	29.64	-0.30	61	60	+3	S	4	o	2	72	55	-		
Belfort ...	29.86	69	E	1	c	29.68	-0.26	62	54	-8	E	1	b	*	77	53	0.51		
Lyons ...	29.79	62	NW	3	c	29.72	-0.23	57	55	-7	S	1	o	*	77	54	0.04		
Nice ...	29.87	67	E	3	c	29.83	-0.15	60	59	-5	W	4	r	4	75	57	-		
Perpignan ...	29.77	61	NE	1	o	29.68	-0.29	62	59	+3	SE	0	o	*	65	55	-		
Biarritz ...	29.69	66	E	5	o	29.73	-0.20	59	55	-1	W	3	o	3	70	54	0.04		
Corunna ...	*	*	*	*	*	29.99	+0.10	63	61	-1	W	1	b	1	64	54	0.39		
Lisbon ...	29.83	58	W	8	c	30.05	+0.17	59	56	-2	W	3	c	4	64	50	0.24		

For Explanation of Columns, see p. 4.

† Received too late for insertion in charts.



# WEATHER CHARTS

for 8 a.m. on

Thursday, 2<sup>nd</sup> June.

1887.

## 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.

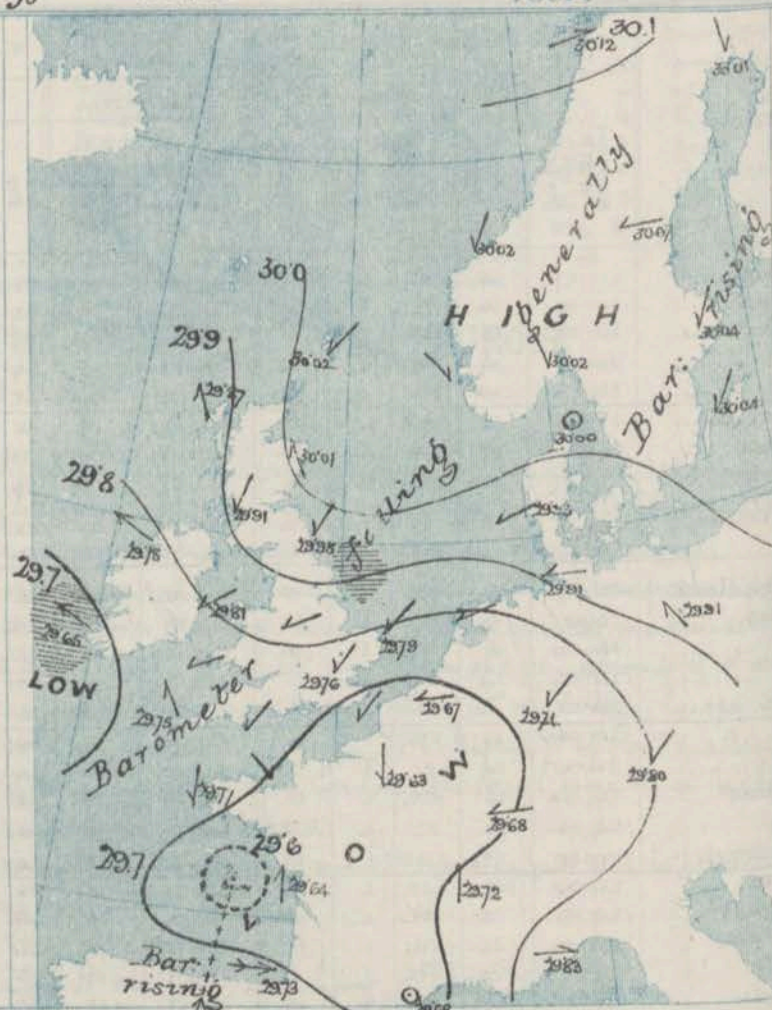
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of June  
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS. in.
Sumburgh Head	29.800
Stornoway	29.832
Wick	29.861
Nairn	29.868
Aberdeen	29.876
Leith	29.892
Shields	29.918
York	29.936
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.969
Dover	29.962
LONDON	29.963
Oxford	29.953
Cambridge	29.960
Yarmouth	29.956



## 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.

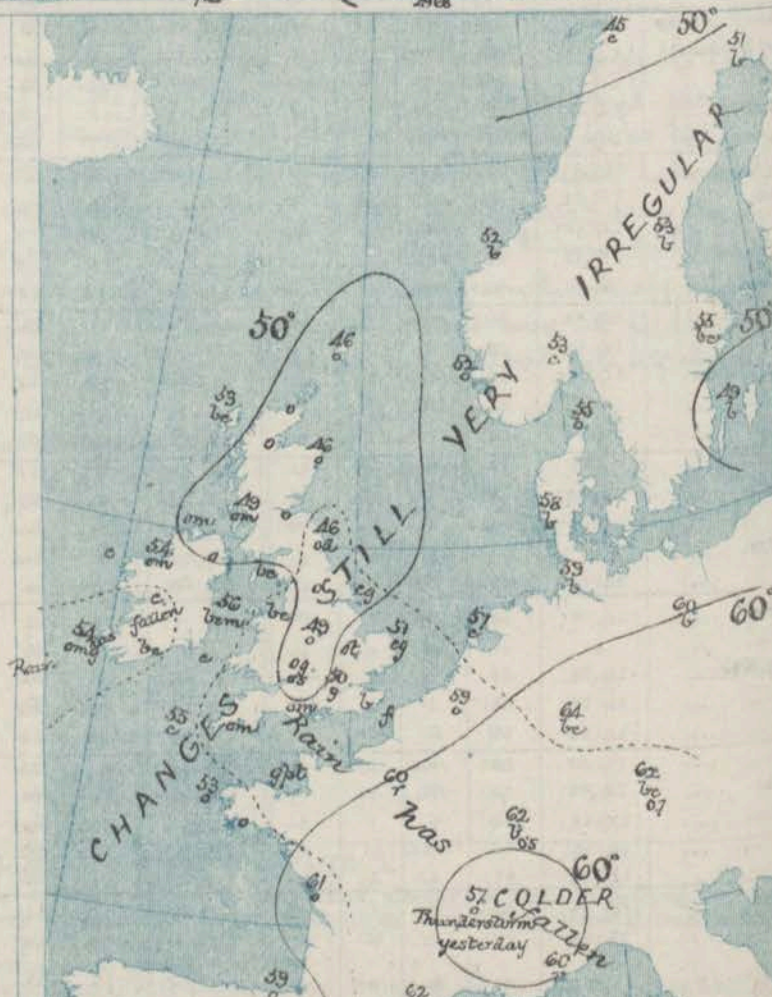
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of June.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	Average Day.	Average Night.	
Sumburgh Head	54.9	45.5	50.7	49.1	2.07
Stornoway	58.3	46.4	54.2	51.7	2.09
Wick	59.2	46.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	66.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.25
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	40.0	58.1	54.0	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.1 ins: and upwards, in the north of Norway, and high, 30.0 ins: and upwards, over Scandinavia and the northern part of the North Sea, as well as in the neighbourhood of Portugal.  
Lowest, 29.64 ins: at Rochefort, 29.7 ins: and less, in areas lying respectively over France and the SW. of Ireland.

## TEMPERATURE

Highest, 64° at Wiesbaden, 62° at Munich, Belfort and Bupignan, and 61° at Rochefort; highest in our islands 66° at Holyhead.  
Lowest, 45° at Brest, 46° at Lumburgh H<sup>d</sup>, Kiel, Aberdeen and Shields, and 48° at Ayr.

## WIND

Light or moderate from E. or SE. in Ireland and Scotland.  
Moderate N<sup>W</sup> in Scandinavia, and NE<sup>W</sup> over England and Germany.  
W in Spain and the extreme south of France; strong to a gale at Biarritz.

## WEATHER

Fine at several of our western stations, and also in Scandinavia, Denmark, the Netherlands and Germany.  
Cloudy or overcast elsewhere, with rain at Paris and Nice, and thunder at Cambridge and Jersey.  
[Rain fell yesterday at several of the English and Irish stations.]

## SEA

Rather rough at L<sup>o</sup>rron H<sup>d</sup> and Valencia, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions which lay off our SW. and SE. coasts yesterday have remained almost stationary, and in the course of the night a new disturbance has appeared over the Bay of Biscay, its centre being a little to the W<sup>d</sup> of Rochefort. The barometer is therefore falling in most places, but over Spain and the extreme southwest of France a recovery of pressure has set in.

The small depression over the Bay of Biscay will probably advance in a NE<sup>W</sup> direction, and occasion rain at many of the English stations, with a continuance of dull cold weather.

## FORECASTS

for the 24 hours ending at NOON on 3<sup>rd</sup> June 1887.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	SE <sup>W</sup> and E <sup>W</sup> winds, moderate, dull, some rain
1	SCOTLAND EAST	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----
2	ENGLAND N.E.	Same as N <sup>o</sup> 5
3	ENGLAND EAST	Same as N <sup>o</sup> 5
4	MIDLAND COUNTIES	Same as N <sup>o</sup> 5
5	ENGLAND SOUTH	NE <sup>W</sup> winds, freshening, dull, some rain, thunder locally.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Same as N <sup>o</sup> 0
7	ENGLAND N.W.	E <sup>W</sup> winds, light or moderate, fair to unsettled and some rain.
8	ENGLAND S.W.	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----
9	IRELAND NORTH	E <sup>W</sup> and SE <sup>W</sup> winds, moderate or fresh, dull, some rain.
10	IRELAND SOUTH	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----

### 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 ...	30.04	53	48	NW 6	c	3	Holyhead ...	29.89	53	51	E 8	o m p	2
Sumburgh Head ...	30.11	47	45	25 0	0	0	Valencia ...	29.75	59	55	E 4	c	14
Stornoway ...	29.98	56	53	NE 1	b	1	Scilly ...	29.80	58	55	SE 5	bc	14
Aberdeen ...	30.06	54	50	8 5	b	1	Dungeness ...	29.65	53	56	SW 1	f	1
Shields ...	30.05	50	47	5 2	0	3	London ...	29.66	62	57	E 2	em	*
Ardrossan ...	29.95	54	51	ESE 4	c	2	Yarmouth ...	29.91	52	51	E 1/2 5	c	14
Malin Head ...	29.91	55	50	E 3	0	2	Jersey ...	29.87	62	56	SE 2	bc	2
Mullaghmore ...	No observations			Lat. 54			Rochefort ...	29.92	65	60	NW 4	0	2
Belmullet ...	29.87	62	55	E 1/2 3	c	*							

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

The reports for yesterday morning showed that pressure varied from 30.1 ins. and upwards over the coast of Norway, the northeast of Great Britain, the North Sea, and North Germany to a little below 29.9 ins. over the Bay of Biscay and south of Ireland, on the one hand, and to about 29.5 ins. in a depression lying over Russia, on the other hand. N winds were consequently still prevalent over Western Russia, the Baltic, and Scandinavia, with cloudy weather, E winds over the British Isles and the greater part of France, accompanied by showers and thunder at the French stations and in Ireland, but clear weather in Scotland. In Germany, Poland, and Hungary the wind was very light and variable from the NW, and the weather fine. Temperature remained low in Scotland, but had risen a little over the Gulf of Bothnia, and fallen decidedly over Russia. Over the southern part of the Mediterranean it had risen considerably. The highest individual readings reported, were 88° at Palermo, 87° at La Calle and 81° at Tunis (Algeria) 80° at Malta and at Cagliari, 74° at Naples, 70° at Constantinople and Belfort, 69° at Athens and Trieste, 65° at Nice, 63° at Brussels and 60° at Lifford; the lowest were 42° at Rode, 43° at Archangel, 45° at Sumburgh Head, 46° at Shields, Prague, and Cracow, and 47° at Lemberg.

Very little change occurred during the day. Over England the thermometer did not rise above 65° all day and in many places it did not reach 60°.

## General Remarks on the Weather for 24 hours ended 8 a.m. May 27<sup>th</sup>

The reports for Thursday, 26<sup>th</sup> May, showed that pressure varied from 30.3 ins. and upwards over Scandinavia and the northern parts of the British Isles, and from about the same value over Central Russia to rather below 29.9 ins. over Hungary and Bulgaria. N and NE winds were therefore chiefly prevalent, and were accompanied by showery weather in most places, and thunder in France. Temperature was very low over the British Isles, France and Spain, but high over Russia and Northern Europe. The highest morning values were 73° at Moscow, 71° at Kiev and Kharkov, 70° at Nicolaieff, 66° at Rindisi and Corunna, 65° at San Fernando, 58° at Valencia, and 57° at Biarritz, Faro, Skudesnaes and Helsingfors; <sup>the lowest</sup> 43° at Besancon and 44° at Rode, 46° at Shields, Lifford, Clermont and Lyons, 47° at Belfort, and 48° at Nisk, York and Rochefort. No important change occurred later in the day.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Friday 3<sup>rd</sup> June

1887.

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

STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ...	29.97	51	N	2	c	30.09	+ .08	51	45	0	NE	2	c	*	59	39	-	
Hernösand ...	30.03	51	Z	0	b	30.01	- .06	54	49	+ 1	SSW	2	b	*	66	39	-	
Stockholm ...	30.06	52	W	2	b	30.05	+ .01	61	53	+ 6	S	2	b	*	64	41	-	
Wishby ...	30.02	48	E	2	b	30.03	+ .02	49	46	0	NNE	2	b	*	57	41	-	
Bodö ...	30.12	46	WNW	2	b	30.12	00	47	44	+ 2	N	2	bc	1	50	41	-	
Christiansund...	30.03	40	NNE	4	b	30.06	+ .04	49	45	- 3	NNE	4	b	2	59	45	-	
Skudesnaes ...	29.98	53	WNW	2	bc	29.98	- .01	62	53	+ 10	ESE	2	b	2	?	52	-	
Christiania Fjord (Furder) ...	29.99	60	SW	2	b	30.02	00	57	52	+ 4	WNW	2	b	1	66	?	-	
Skagen (The Scaw)	29.95	55	E	1	b	29.98	- .02	57	52	+ 2	ESE	1	b	0	68	52	-	
Fanö ...	29.84	55	E	4	b	29.80	- .13	61	54	+ 3	ESE	6	b	*	70	50	-	
IRELAND.																		
Sumburgh Head	29.98	47	E	1	0	29.99	- .03	45	43	- 1	Z	0	0	0	50	42	-	
Stornoway ...	29.96	54	NE	1	b	29.98	+ .01	51	49	- 2	SE	1	bc	1	59	44	-	
Wick ...	29.94	45	SE	2	0	29.95	- .05	51	48	+ 5	SE	2	0	1	54	42	-	
Nairn ...	29.88	53	NNE	4	bc	29.93	- .04	46	44	- 2	Z	0	0	1	56	37	-	
Aberdeen...	29.95	47	ESE	2	0	29.94	- .07	49	46	+ 3	NE	3	c	1	50	44	-	
Leith ...	29.93	47	E	1	0	29.92	- .04	47	45	- 2	NE	1	0	*	49	44	-	
Shields ...	29.91	47	NE	2	0	29.82	- .11	48	47	+ 2	NNE	4	0	4	49	44	-	
Spurn Head ...	29.77	50	N	5	c	29.67	- .20	51	50	+ 3	NNE	5	ag dip	5	51	46	0.02	
York ...	29.83	52	NNE	2	0	29.74	- .17	51	49	+ 3	N	2	0	*	56	47	-	
Loughborough	29.75	51	NNE	4	0	29.67	- .18	50	50	+ 1	NNE	4	0	10	53	47	0.49	
BRITAIN.																		
Ardrossan ...	29.85	54	NE	4	bc	29.89	- .02	49	47	0	NE	4	cm	2	60	44	0.06	
Malin Head ...	29.78	53	E	4	orm	29.82	- .02	50	49	+ 1	ESE	3	cm	2	57	48	0.09	
Mullaghmore ...	29.77	56	E	4	0	29.82	+ .04	54	51	0	ESE	4	cm	2	59	49	0.02	
Belmullet ...	29.74	59	SE	3	tblr	29.82	+ .05	57	53	+ 2	SSE	2	b	*	60	50	0.17	
Donaghadee ...	29.82	55	E	2	0	29.87	- .01	51	48	+ 2	ESE	3	0	1	58	48	-	
Barrow-in-Furness	29.79	59	NE	2	bc	29.77	- .09	52	48	+ 2	NE	2	r	*	68	49	0.01	
Liverpool (Bidston)	29.76	56	ESE	4	0	29.76	- .08	49	47	- 5	N	3	0	3	62	47	0.38	
Holyhead ...	29.76	55	ESE	3	cm	29.82	+ .01	49	49	- 7	NNE	2	rm	2	61	49	0.16	
Parsonstown ...	29.74	64	Z	0	bc	29.82	+ .05	54	51	- 1	Z	0	0	*	64	41	-	
Valencia ...	29.74	56	SW	5	bc	29.81	+ .16	57	54	+ 3	SSE	3	c	3	58	52	0.09	
Roche's Point...	29.77	56	SSE	3	c	29.80	+ .08	51	50	- 4	NW	1	0	f	59	48	-	
Pembroke ...	29.74	52	WNW	3	r	29.77	- .00	50	50	- 4	NW	2	cm	2	55	49	0.07	
Seilly ...	29.76	57	WNW	2	bc	29.82	+ .07	55	54	0	W	3	0	f	59	52	-	
Prawle Point ...	29.70	57	W	2	0	29.77	+ .04	53	52	- 2	W	4	0	4	58	52	0.35	
Jersey ...	29.67	53	NW	3	rm	29.79	+ .11	55	53	+ 2	WNW	5	cm	4	55	51	0.46	
Hurst Castle ...	29.62	52	NNE	4	r	29.68	- .04	51	50	- 1	WNW	4	c	2	58	49	0.70	
Dungeness ...	29.52	55	NE	4	r	29.55	- .14	55	54	+ 1	Z	0	r	0	59	52	0.32	
London ...	29.60	55	NNE	4	r	29.61	- .15	54	53	+ 4	WNW	1	0	f	59	50	0.51	
Oxford ...	29.66	50	NNE	3	r	29.66	- .13	49	49	0	WN	1	r	*	53	48	1.00	
Cambridge ...	29.65	52	N	2	0	29.63	- .15	53	53	+ 2	N	1	r	*	60	49	0.13	
Yarmouth ...	29.63	53	NE	5	0	29.59	- .20	53	52	+ 2	ESE	4	c	4	57	49	0.11	
Cuxhaven ...	29.83	58	E	4	b	29.72	- .19	60	58	+ 1	E	4	b	*	64	57	-	
Berlin ...	29.78	67	SE	3	bc	29.69	- .22	62	55	+ 2	SE	4	0	*	75	57	-	
Wiesbaden ...	*	*	*	*	*	29.64	- .10	60	58	- 4	SW	3	0	*	77	57	0.20	
Munich ...	29.60	65	SE	2	bc	29.79	- .01	58	51	- 4	W	5	bc	*	73	52	-	
AFRICA.																		
The Helder ...	29.62	60	NE	4	0	29.58	- .19	58	56	+ 1	ESE	4	bc	3	61	57	-	
Brussels ...	*	*	*	*	*	29.54	- .13	58	58	- 1	WSW	1	r	*	73	58	0.71	
Cape Gris Nez...	29.50	53	ESE	5	r	29.55	- .10	53	53	+ 1	Z	0	r	2	55	52	0.28	
Paris ...	29.52	63	SW	3	bc	29.70	+ .07	54	53	- 6	W	3	r	*	68	53	0.71	
Brest ...	29.81	59	NW	4	bc	29.91	+ .14	54	52	+ 1	WNW	4	b	4	64	43	-	
Lorient ...	29.79	56	WNW	5	bc	29.90	+ .22	55	53	- 1	WNW	5	b	2	59	52	-	
Rochefort ...	29.82	57	WNW	8	0	29.98	+ .24	58	55	- 3	WNW	5	b	2	72	50	-	
Belfort ...	29.68	63	W	4	r	29.84	+ .16	53	50	- 9	W	1	r	*	68	50	0.98	
Lyons ...	29.65	59	S	1	r	29.95	+ .23	57	52	0	W	1	0	*	68	58	0.83	
Nice ...	29.80	55	ESE	4	t	29.84	+ .01	59	54	- 1	WSW	3	b	3	64	50	1.10	
Perpignan ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Biarritz ...	29.97	59	W	7	0	30.08	+ .35	62	55	+ 3	S	1	c	1	?	54	-	
Corunna ...	*	*	*	*	*	30.04	+ .05	68	64	+ 5	S	3	bc	2	68	55	-	
Lisbon ...	30.10	61	SW	4	0	30.11	+ .06	59	59	0	SW	5	0	2	64	59	-	

For Explanation of Columns, see p. 4.

Received too late for insertion in charts.



# WEATHER CHARTS

for 8 a.m. on

Friday, 3<sup>rd</sup> June

1887.

## 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.

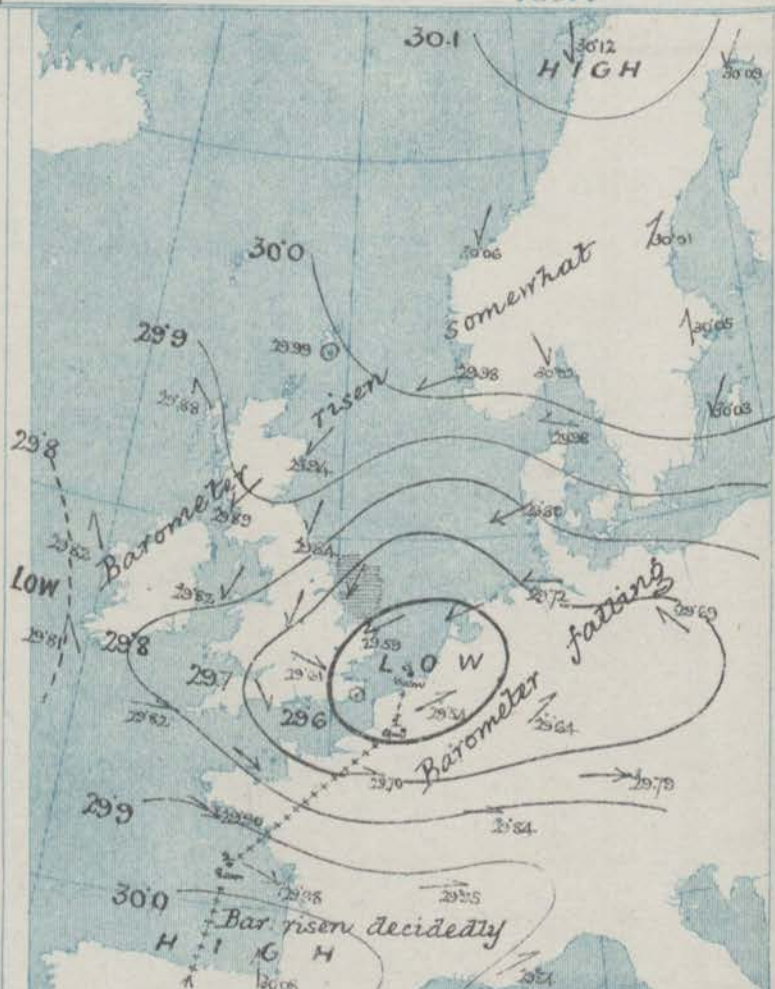
**Sea Disturbance** — where considerable is shown thus

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of June.  
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.860
Stornoway	29.832
Wick	29.861
Nairn	29.868
Aberdeen	29.876
Leith	29.892
Shields	29.918
York	29.936
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.969
Dover	29.962
LONDON.	29.963
Oxford	29.953
Cambridge	29.960
Yarmouth	29.956



## 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 a.m.	
			Dry.	Wet.	
Sumburgh Head	54.9	45.5	50.7	49.1	2.07
Stornoway	53.3	46.4	54.2	51.7	2.99
Wick	59.2	46.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	66.5	48.8	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	60.1	51.5	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON.	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.0	2.28
Cambridge	60.4	40.0	58.1	54.0	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

Note — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.1 in: and upwards, in two areas lying respectively over Spain and the north of Scandinavia.  
Lowest, 29.6 in: and less, in a depression lying over the Netherlands and southeast of England.

## TEMPERATURE

Highest, 62° at Skudenes, Berlin, and Biarritz, 61° at Stockholm, Tübingen, and Copenhagen, and 60° at Wiesbaden.  
Lowest, 45° at Lumburg Head, 46° at Nain, and 47° at Bodø and Seith.

## WIND

Moderate or fresh from the NE<sup>ly</sup> over Denmark and the eastern parts of Great Britain.  
NW<sup>ly</sup> or W over the south of England and the greater part of France.  
Moderate SE<sup>ly</sup> in the west of Ireland; variable in Scandinavia.

## WEATHER

Fine in Scandinavia, Denmark, and the western parts of Ireland and France.  
Cloudy in most other localities, with rain over England, the Netherlands and the east of France.  
[Heavy rain fell yesterday at many of the English and French stations, and thunderstorms occurred locally.]

## SEA

Rather rough at Lumburg Head, moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The small depression noticed over the Bay of Biscay yesterday morning has grown larger and deeper, and moved in a northeasterly direction to the Netherlands. The barometer has therefore continued to fall on our east coasts as well as in Denmark and Germany, but elsewhere it has risen somewhat, the change being greatest in the SW. of France.

The depression is now disposed to fill up, and an improvement in the weather is therefore probable over Southern England. At Lisbon, however, the barometric rise noticed yesterday has almost ceased, while the wind there is backing and conditions are not yet settled.

## FORECASTS

For the 24 hours ending at NOON on 4<sup>th</sup> June

1887.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	Light breezes, chiefly E <sup>ly</sup> ; cloudy, slight rain locally.
1	SCOTLAND EAST	— D° — D° — D° —
2	ENGLAND N.E.	NE <sup>ly</sup> and N <sup>ly</sup> winds, moderate, dull, some rain.
3	ENGLAND EAST	— D° — D° — D° —
4	MIDLAND COUNTIES	Same as N° 5
5	ENGLAND SOUTH	NW <sup>ly</sup> to variable breezes, weather improving temporarily, but still unsettled.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Same as N° 0.
7	ENGLAND N.W.	NE <sup>ly</sup> and E <sup>ly</sup> winds, light, dull, some rain.
8	ENGLAND S.W.	Same as N° 5
9	IRELAND NORTH	SE <sup>ly</sup> winds, light or moderate, cloudy, rain locally.
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.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	30.01	58	52	WNW 2	bc	3	Holyhead ...	29.79	59	54	ENE 2	cm	2
Sumburgh Head ...	30.01	48	44	E 0	c	0	Valencia ...	29.70	56	54	SSW 5	0	5
Stornoway ...	29.90	59	54	E 1	b	0	Scilly ...	29.76	59	55	WNW 2	bc	3
Aberdeen ...	29.99	49	46	SE 3	0	1	Dungeness ...	29.59	57	56	NE 4	T	2
Shields ...	29.94	48	45	NE 3	0	3	London ...	29.68	57	54	NE 4	0	*
Ardrossan ...	29.86	58	53	NE 5	c	3	Yarmouth ...	29.70	56	53	NE 4	bc	4
Malin Head ...	29.81	54	51	E 4	0	3	Jersey ...	29.66	52	52	WNW 3	T	3
Mullaghmore ...	29.79	57	53	E 5	cm	4	Rocheport ...	29.71	61	58	WNW 7	0	2
Belmullet ...	29.75	59	56	ENE 2	0	*							

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

The Continental reports for yesterday morning showed that pressure was highest 30.1 ins. and upwards, in an anticyclone lying off the southwest of Spain, and relatively high, 30.0 ins., and upwards, over Scandinavia. The lowest readings of all, 29.6 ins. and less, were found in a small depression lying over the Bay of Biscay, but pressure was relatively low, 29.7 ins. and less, over central Russia, France, and the extreme southwest of our Islands. Moderate breezes from E. or NE. prevailed over Northern Europe, and also over England, the Netherlands, and the east of France, but in Ireland and Scotland the wind drew more into SE., while in Algeria, Spain and the southwest of France it varied between W. and SW. Dull unsettled weather prevailed in England and France, with rain in many places, but elsewhere conditions were fair or fine. Temperature had fallen a little in Spain and Algeria, but changed very irregularly elsewhere; readings ranged from 70° and upwards at several of the Italian and Algerian stations to about 45° in the north and northeast of our Islands, and to 40° or less over central Russia. The highest individual readings were 81° at Biskra, 77° at Palermo, 76° at Tunis and Malta, and 75° at Sfor, Naples and Thionville. The lowest were 39° at Moscow, 45° at Rode, and 46° at Lumburgh Hd, Wick, Aberdeen and Shields.

In the course of the day the depression over the Bay of Biscay advanced NE<sup>2</sup> to the northeast of France, and in its rear the barometer rose quickly over the west of France, while the wind there veered to the W<sup>2</sup>, with some improvement in the weather. Over England and the east of France heavy rain fell, with thunderstorms in places.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

**WEATHER.**—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (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 4<sup>th</sup> June

1887.

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.		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.)		Weather.	Max.		Min.	
SCANDINAVIA.																		
Haparanda ...	30.10	48	Z	0	b	30.08	- .01	51	46	0	SW	2	c	*	59	41	-	
Hernösand ...	30.03	54	SSW	2	b	30.08	+ .07	53	50	+ 1	SSW	2	b	*	66	41	-	
Stockholm ...	30.05	52	W	0	b	30.07	+ .02	61	52	0	E	4	b	*	68	41	-	
Wisby ...	30.03	52	E	6	b	30.00	- .03	62	52	+ 13	ESE	2	b	*	68	43	-	
Bodo ...	30.09	46	NE	4	b	30.05	- .07	47	42	0	NE	2	b	1	50	41	-	
Christiansund...	30.06	51	NNE	3	b	30.06	.00	47	45	- 2	ENE	4	b	2	57	41	-	
Skudesnaes ...	29.98	66	NNW	1	b	30.01	+ .03	64	53	+ 2	ESE	2	b	2	70	61	-	
Christiania Fjord (Færdar)	29.96	66	Z	0	b	30.02	.00	62	55	+ 5	SW	2	b	1	66	?	-	
Skagen (The Scaw)	29.93	59	E	1	b	29.97	- .01	59	53	+ 2	E	1	b	0	68	52	-	
Fanø ...	29.84	55	ESE	6	b	29.91	+ .11	61	53	0	E	4	b	*	70	50	-	
BRITISH ISLANDS.																		
Sumburgh Head	29.99	49	NE	2	0	30.01	+ .02	49	48	+ 4	NE	1	b	2	51	39	-	
Stornoway ...	29.90	55	NE	1	0	29.90	+ .02	55	53	+ 4	NE	1	0	1	59	47	-	
Wick ...	29.96	49	SE	2	f	29.97	+ .02	55	52	+ 4	SE	1	b	0	58	40	-	
Nairn ...	29.93	55	NE	2	m	29.95	+ .02	51	50	+ 5	N	2	0	2	57	44	-	
Aberdeen...	29.94	51	NE	3	c	29.96	+ .02	58	52	+ 9	NE	3	b	2	58	41	-	
Leith ...	29.90	51	NE	1	c	29.90	- .02	51	50	+ 4	E	1	0	*	53	46	-	
Shields ...	29.85	52	N	2	b	29.87	+ .03	49	49	+ 1	NE	1	T	3	54	46	0.13	
Spurn Head ...	29.74	52	N	5	c	29.55	+ .18	53	52	+ 2	W	2	0	3	54	49	0.06	
York ...	29.78	58	N	3	c	29.86	+ .12	52	51	+ 1	W	1	0	*	63	49	0.05	
Loughborough.	29.75	56	NNW	1	0	29.88	+ .21	52	50	+ 2	W	3	0	*	56	50	0.56	
GERMANY.																		
Ardrossan ...	29.86	60	NE	2	0	29.85	- .04	51	50	+ 2	NE	2	Tm	1	60	49	0.15	
Malin Head ...	29.85	53	NE	2	om	29.84	+ .02	50	50	0	E	2	OT	1	55	49	0.23	
Mullaghmore ...	29.83	59	N	1	cm	29.85	+ .03	58	54	+ 4	E	1	bw	1	64	51	-	
Beltmullet ...	29.84	60	NNE	2	T	29.84	+ .02	60	55	+ 3	E	1	b	*	63	50	-	
Donaghadee ...	29.85	53	NE	2	0	29.84	- .03	50	50	- 1	ESE	3	0	1	58	48	0.43	
FRANCE & NETHERLANDS.																		
Barrow-in-Furness	29.78	57	N	2	T	29.80	+ .03	51	50	- 1	SW	2	op	*	57	50	0.40	
Liverpool (Bidston)	29.79	51	N	1	T	29.88	+ .12	53	51	+ 4	W	1	0	2	53	49	0.94	
Holyhead ...	29.82	49	NNW	1	Tm	29.88	+ .06	50	49	+ 1	SSW	2	om	2	50	48	0.79	
Parsonstown ...	29.83	61	Z	0	0	29.87	+ .05	58	54	+ 4	Z	0	b	*	62	41	-	
Valencia ...	29.81	59	SSE	2	b	29.84	+ .03	57	55	0	SSE	3	c	3	64	49	-	
ITALY.																		
Roche's Point...	29.84	54	S	4	of	29.85	+ .05	55	54	+ 4	SE	4	of	4	56	48	-	
Pembroke ...	29.84	55	NE	1	b	29.89	+ .12	50	50	0	SE	1	dm	1	60	46	0.05	
Seilly ...	29.83	57	SE	3	0	29.90	+ .08	54	53	- 1	WSW	2	of	2	62	52	0.03	
Prawle Point ...	29.86	53	WSW	4	b	29.93	+ .16	56	56	+ 3	WSW	2	f	4	58	52	0.03	
Jersey ...	29.90	57	N	4	b	29.95	+ .16	55	55	0	SSE	3	odf	3	58	53	0.02	
SPAIN.																		
Hurst Castle ...	29.81	55	W	3	m	29.94	+ .26	53	53	+ 2	SW	2	m	1	58	40	0.06	
Dungeness ...	29.72	54	W	4	T	29.93	+ .38	53	52	- 2	W	3	0	2	58	60	0.24	
London ...	29.75	53	W	2	T	29.92	+ .31	52	51	- 2	W	1	0	*	55	46	0.59	
Oxford ...	29.82	50	NW	2	T	29.93	+ .27	51	50	+ 2	WSW	1	0	*	53	47	0.29	
Cambridge ...	29.74	55	N	1	0	29.92	+ .29	54	52	+ 1	SW	1	0	*	64	51	0.21	
Yarmouth ...	29.69	54	NNW	2	c	29.85	+ .26	55	53	+ 2	NNW	3	om	3	57	50	0.08	
PORTUGAL.																		
Cuxhaven ...	29.73	57	E	2	b	29.86	+ .14	59	58	- 1	ESE	2	b	*	64	55	-	
Berlin ...	29.72	58	SSE	1	T	29.75	+ .06	55	53	- 7	NNW	2	T	*	68	54	0.79	
Wiesbaden ...	*	*	*	*	*	29.93	+ .29	56	54	- 4	SW	3	0	*	70	54	0.20	
Munich ...	29.97	52	W	5	b	30.06	+ .27	52	49	- 6	SW	6	T	*	63	50	0.04	
GREECE.																		
The Helder ...	29.67	58	ESE	1	b	29.81	+ .23	59	57	+ 1	ESE	1	c	1	61	57	-	
Brussels ...	*	*	*	*	*	29.93	+ .39	56	53	- 2	WSW	3	0	*	58	52	0.12	
Cape Gris Nez...	29.70	51	WSW	4	T	29.95	+ .40	52	51	- 1	NNW	5	b	3	55	48	0.85	
Paris ...	29.89	6	W	3	b	30.06	+ .36	56	54	+ 2	SW	1	0	*	63	47	0.24	
Brest ...	29.91	55	S	5	f	29.95	+ .04	55	53	+ 1	SE	1	T	2	64	50	0.20	
Lorient ...	29.94	56	SW	5	0	29.99	+ .09	57	57	+ 2	SSW	4	f	2	61	54	0.08	
Rochefort ...	30.10	62	SW	4	0	30.12	+ .14	60	59	+ 2	SW	3	0	2	66	52	-	
Belfort ...	29.97	55	W	1	0	30.11	+ .27	56	51	+ 3	W	1	0	*	59	46	0.24	
Lyons ...	30.02	62	SSE	1	c	30.15	+ .20	60	55	+ 3	S	1	b	*	69	51	-	
Nice ...	29.88	64	S	1	b	30.06	+ .22	59	56	0	Z	0	c	3	75	52	-	
Perpignan ...	30.04	70	S	3	b	30.13		65	63		Z	0	b	*	74	52	-	
Biarritz ...	29.99	67	ESE	4	b	30.12	+ .04	61	59	- 1	WSW	3	0	0	70	59	-	
Corunna ...	*	*	*	*	*	30.15		68	53		S	1	2	2	70	55	-	
Lisbon ...	30.12	63	NNW	4	0	30.17	+ .06	61	60	+ 2	NNW	3	0	2	66	59	-	

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts.



# WEATHER CHARTS

for 8 a.m. on

Saturday 4<sup>th</sup> June.

1887.

## 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.

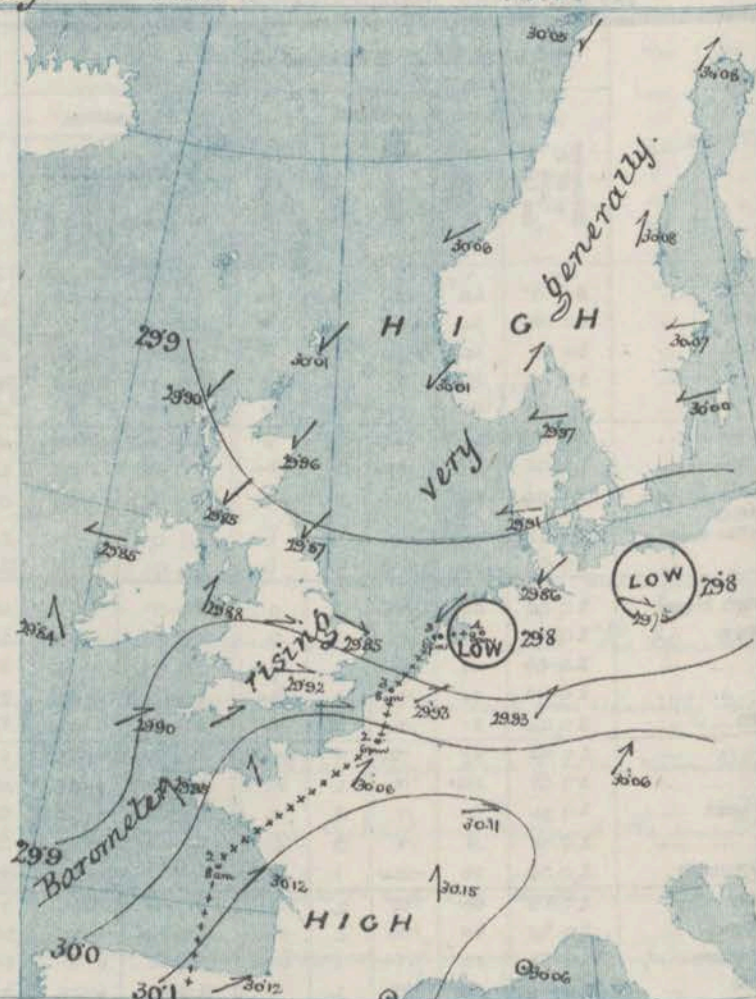
**Sea Disturbance**—where considerable is shown thus

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of June.  
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.860
Stornoway	29.832
Wick	29.861
Nairn	29.865
Aberdeen	29.875
Leith	29.892
Shields	29.918
York	29.936
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.969
Dover	29.962
LONDON	29.963
Oxford	29.953
Cambridge	29.960
Yarmouth	29.956



## 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.

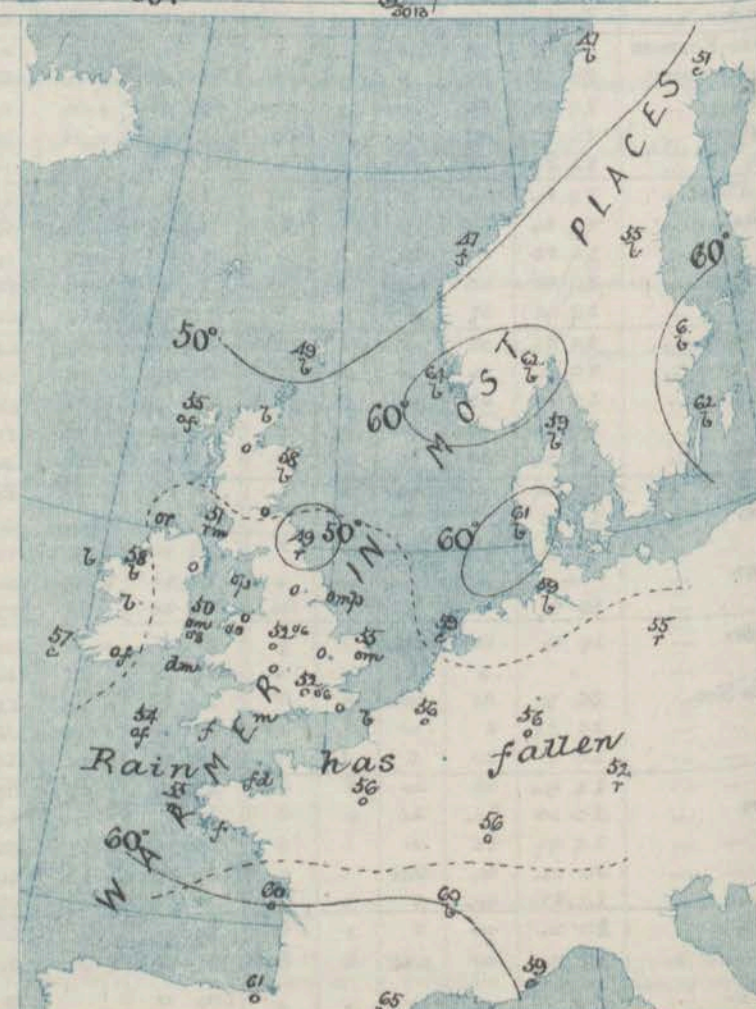
**Rainfall**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.3 in. or more, are quoted in figures.

## 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	54.9	45.5	50.7	49.1	2.07
Stornoway	58.3	46.4	54.2	51.7	2.99
Wick	59.2	46.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	56.2	51.9	1.82
York	66.5	48.6	56.0	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	56.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.98
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE—The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.1 ins. and upwards, over Spain and the greater part of France; high, 30.0 ins. and upwards, over Scandinavia.  
Lowest, 29.8 ins. and less, in two small depressions lying respectively over the northern parts of Holland and Germany.  
(A band of relatively low pressure (29.9 ins. and less) extends from Ireland across the northern parts of England to Germany.)

## TEMPERATURE

Highest, 65° at Perpignan, 64° at Shideanes, 62° at Tanderen, Kirby, and 60° at Helmsleet, Rochefort, and Lyons.  
Lowest, 47° at Bodø and Christiansund, 49° at Lumbugh Head and Shields, and 50° at Malin H<sup>d</sup>, Donaghadee and Holyhead.

## WIND

Light E<sup>ly</sup> over Scandinavia, Denmark, and the north of our Islands, and SE<sup>ly</sup> in the south of Ireland and northwest of France.  
Light or moderate SW<sup>ly</sup> over France, Belgium, and South Germany.

## WEATHER

Fine in Scandinavia, Denmark, the east of Scotland and the south of France as well as at some of the Irish stations.  
Cloudy elsewhere, with fog in the western part of the Channel, and rain over the northern parts of Ireland and England.  
The largest amounts of rain which fell yesterday, were 0.9 in. at Liverpool, 0.8 in. at Holyhead, 0.6 in. at Loughboro' and in London and 0.5 in. at Sittingbourne.

## SEA

Moderate at Rockin<sup>g</sup> and Hawke<sup>l</sup>, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed over the Netherlands yesterday is filling up, the barometer rising generally, and the general indications are in favour of some improvement in the weather.

A shallow depression is, however, lying off our extreme southwest coast, and this is likely to move eastwards; further rain is probable over the south of England, with local thunderstorms.

## FORECASTS

For the 24 hours ending at NOON on 5<sup>th</sup> June 1887.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	Light breezes, chiefly E <sup>ly</sup> ; cloudy, rain locally.
1	SCOTLAND EAST	-----D°-----D°-----D°-----
2	ENGLAND N.E.	Light variable airs; dull, some rain.
3	ENGLAND EAST	Same as N°5
4	MIDLAND COUNTIES	Same as N°5
5	ENGLAND SOUTH	W <sup>ly</sup> to S <sup>ly</sup> or SE <sup>ly</sup> breezes, light; fair to dull and some rain. Perhaps thunder.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Same as N°0
7	ENGLAND N.W.	Same as N°2
8	ENGLAND S.W.	S <sup>ly</sup> and SW <sup>ly</sup> winds, light; dull, foggy, some rain.
9	IRELAND NORTH	SE <sup>ly</sup> and E <sup>ly</sup> winds, moderate; changeable, 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.	Wec.	Sea.		Bar.	Dry.	Wet.	Wind.	Wec.	Sea.
Skudesnaes ...	29.96	69	56	NW 4	bc	2	Holyhead ...	29.82	49	48	N 2	tm	2
Sumburgh Head ...	30.00	49	46	NE 1	c	1	Valencia ...	29.81	63	58	SW 2	bcm	2
Stornoway ...	29.89	67	52	SW 1	bc	1	Scilly ...	29.84	62	57	S 2	bc	3
Aberdeen ...	29.95	62	49	NE 3	0	2	Dungeness ...	29.64	54	54	WNW 2	7	1
Shields ...	29.83	51	49	N 4	0	5	London ...	29.70	55	54	WNW 3	OT	*
Ardrossan ...	29.86	57	52	NE 2	0	1	Yarmouth ...	29.65	57	54	NE 4	c	4
Malin Head ...	29.83	54	52	SEE 3	0	2	Jersey ...	29.88	58	55	WNW 5	bc	4
Mullaghmore ...	29.83	61	56	NW 2	cm	2	Rocheport ...	30.06	66	59	W 5	c	2
Belmullet ...	29.84	60	55	NW 3	bc	*							

## 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 upwards both over the north of Scandinavia and the south of Spain to a little below 29.5 ins: in a depression, the central part of which was over Belgium and the Netherlands. This depression lay in a hollow which stretched WSW<sup>th</sup> from the Atlantic across the British Isles, Netherlands, Germany, and Austria, and which there separated the high pressure area in the far south from that in the extreme north. Thus, while E winds prevailed over Northern Europe with fair weather in most places, but much rain in Holland and the north of England, brisk W winds were reported in France, the southern parts of England and the North Sea, in which regions also rain fell continuously. In the neighbourhood of the depression the fall was very heavy, and was accompanied by thunderstorms locally. Temperature varied from about 75° over the southern parts of the Mediterranean to between 50° and 57° over Ireland and the southwest of England, as well as over the Baltic and Sweden, and to less than 50° over the northern parts of Great Britain and the north-west of Norway. The highest individual readings were 79° at Constantinople, 76° at Brindisi, 74° at Sirina, Cagliari and Palma, 73° at Palermo. Sfax and Algiers, 69° at Naples, 68° at Bilbao and Corunna, 61° at Helsingfors, and 57° at Valencia; the lowest were 45° at Lumburg H<sup>d</sup>, 46° at Kaini, 47° at Bodö, 48° at Shields and 49° at several of our northwestern stations.

Rain continued to fall fast in the neighbourhood of the depression all day, the total fall in London being 1.10 ins: and at Lutterworth 1.81 ins, but the system filled up steadily.

### 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 5<sup>th</sup> June

1887.

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 3 P.M. and Sea Level.	Temp. in Shade.	WIND.			Weather.	BAROMETER.		SHADE TEMP.			WIND.			Sea (0 to 9.)	Weather.	SHADE TEMP.		Amount of Rainfall.
			Dir.	Force (0 to 12.)	Force (0 to 12.)		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force (0 to 12.)	Force (0 to 12.)			Max.	Min.	
<b>SCANDINAVIA.</b>																			
Haparanda ...	29.93	48	Z	0	bc		29.83	- .25	57	50	+ 6	NE	4	c	*		59	43	-
Hernösand ...	29.98	56	S	4	bc		29.93	- .15	65	51	+ 10	SSW	4	b	*		66	41	-
Stockholm ...	30.06	57	ESE	2	b		30.06	- .01	64	56	+ 3	W	2	b	*		70	43	-
Wibby ...	30.00	55	E	4	b		30.02	+ .02	54	49	- 8	NE	4	b	*		72	46	-
Bodö ...	30.05	48	W	2	b		30.03	- .02	45	42	- 2	W	4	o	2		54	45	-
Christiansund ...	30.02	54	NE	3	b		30.03	- .03	54	50	+ 7	W	2	b	1		59	41	-
Skudeenæs ...	30.01	60	NW	2	b		30.06	+ .05	59	53	- 5	WNW	2	b	2		70	43	-
Christiania Fjord (Fjorder)	30.01	64	W	4	b		30.05	+ .03	63	57	+ 1	ESE	2	b	1		66	59	-
Skagen (The Scaw)	30.00	58	Z	0	b		30.04	+ .07	60	57	+ 1	SSW	1	b	0		68	54	-
Faßö ...	30.00	56	Z	0	b		30.03	+ .12	66	59	+ 5	SSE	1	b	*		72	50	-
<b>BRITISH ISLANDS.</b>																			
Sumburgh Head	30.01	54	ENE	1	b		30.00	- .01	54	51	+ 5	ENE	1	c	1		56	44	-
Stornoway ...	29.90	58	SW	1	om		29.86	- .04	56	50	+ 1	S	1	bc	3		64	51	0.03
Wick ...	29.96	54	SE	1	bc		29.94	- .03	51	51	- 4	SE	1	d	0		62	48	0.03
Nairn ...	29.91	50	NNE	1	c		29.95	- .00	55	53	+ 4	WNW	1	c	1		57	50	0.02
Aberdeen ...	29.97	52	SE	1	op		29.96	- .00	60	57	+ 2	SW	1	bc	1		60	48	0.05
Leith ...	29.93	52	E	1	o		29.99	+ .09	57	53	+ 6	W	1	om	*		57	46	0.22
Shields ...	29.93	52	NE	1	o		30.03	+ .16	54	52	+ 5	WSW	2	c	2		54	47	0.10
Spurn Head ...	29.94	54	SSE	1	b		30.06	+ .21	54	53	+ 1	NNW	1	bc	2		59	51	-
York ...	29.94	63	WNW	2	b		30.05	+ .19	57	53	+ 5	W	1	b	*		63	44	-
Loughborough	29.94	66	WSW	2	c		30.07	+ .19	58	54	+ 6	WNW	2	c	*		70	52	-
<b>GERMANY.</b>																			
Ardrossan ...	29.91	53	NE	1	om		30.02	+ .17	52	51	+ 1	SE	1	om	1		54	51	0.13
Malin Head ...	29.89	54	ENE	1	o		29.97	+ .13	48	48	- 2	SE	2	of	2		54	45	0.02
Mullaghmore ...	29.89	61	W	2	bm		29.99	+ .14	58	55	- 0	S	1	c	1		64	49	-
Belmullet ...	29.92	60	WSW	2	b		29.98	+ .14	55	54	- 5	S	4	o	*		62	52	0.05
Donaghadee ...	29.92	56	S	2	bc		30.00	+ .16	57	56	+ 7	SSW	1	b	0		57	47	0.08
<b>FRANCE &amp; NETHERLANDS.</b>																			
Barrow-in-Farness	29.96	55	W	2	b		30.05	+ .25	54	52	+ 3	SSE	3	o	*		57	50	-
Liverpool (Bidston)	29.96	59	NW	1	bc		30.06	+ .18	61	55	+ 8	SW	1	b	1		63	50	-
Holyhead ...	29.96	54	SSW	3	bc		30.06	+ .18	50	50	- 0	SSW	4	mg	3		58	49	-
Parsonstown ...	29.91	64	Z	0	c		30.02	+ .15	60	55	+ 2	Z	0	bc	*		69	45	-
Valencia ...	29.96	59	SSW	3	b		30.02	+ .18	56	55	- 1	SSE	4	og	4		62	53	0.01
Roohe's Point...	29.96	59	SW	4	b		30.02	+ .17	55	53	- 0	S	2	om	3		61	50	-
Pembroke ...	29.99	54	SSW	2	b		30.10	+ .21	53	52	+ 3	S	2	c	2		54	50	-
Scilly ...	30.02	59	WSW	4	c		30.07	+ .17	56	56	+ 2	SW	4	f	4		61	52	0.02
Prawle Point ...	30.03	54	W	2	c		30.05	+ .12	50	50	- 6	ESE	2	f	2		57	50	0.01
Jersey ...	30.07	58	WNW	3	cg		30.16	+ .21	54	54	- 1	ESE	1	f	1		65	49	0.06
Hurat Castle ...	30.03	54	SW	2	m		30.14	+ .20	54	53	+ 1	W	2	c	1		58	50	-
Dungeness ...	29.99	53	W	3	bc		30.08	+ .15	53	53	- 0	W	2	f	2		60	53	-
London ...	29.98	66	WSW	2	b		30.12	+ .20	58	54	+ 6	WNW	2	bc	*		68	51	-
Oxford ...	30.01	58	Z	0	b		30.11	+ .18	53	52	+ 2	SW	1	o	*		66	47	-
Cambridge ...	29.95	66	SW	1	b		30.09	+ .17	59	56	+ 5	SW	1	bc	*		70	49	-
<b>ITALY.</b>																			
Cuzhaven ...	29.95	58	SSE	1	b		30.05	+ .20	63	60	+ 8	WSW	1	b	2		66	52	-
Berlin ...	29.93	60	E	2	b		30.01	+ .15	60	58	+ 1	ESE	2	b	*		66	56	-
Wiesbaden ...	29.91	61	WNW	3	b		30.02	+ .27	57	53	+ 2	WNW	2	c	*		64	50	-
Munich ...	*	*	*	*	*		30.12	+ .19	61	58	+ 5	SW	2	bc	*		66	52	-
<b>SPAIN.</b>																			
The Helder ...	29.98	54	WSW	1	r		30.05	+ .24	54	53	- 5	WNW	1	b	1		63	54	0.04
Brussels ...	*	*	*	*	*		30.09	+ .16	61	57	+ 5	WSW	1	c	*		66	56	-
Cape Gris Nez...	30.02	57	WSW	3	bc		30.09	+ .14	50	50	- 2	WSW	4	f	2		59	48	-
Paris ...	30.06	65	SSW	3	c		30.13	+ .12	57	55	+ 1	NNW	3	o	*		66	55	0.24
Brest ...	30.10	57	Z	0	b		30.16	+ .21	55	65	- 0	WSW	1	m	2		64	52	-
Lorient ...	30.14	56	W	4	bc		30.19	+ .20	57	57	- 0	W	3	m	4		59	52	-
Rochefort ...	30.20	59	W	5	o		30.27	+ .15	60	59	- 0	W	3	m	2		65	52	-
Belfort ...	*	*	*	*	*		*	*	*	*	*	*	*	*	*		*	*	*
Lyons ...	30.13	67	NNE	1	bc		30.20	+ .05	61	57	+ 1	N	3	bc	*		76	57	-
Nice ...	30.08	69	WSW	1	o		30.09	+ .03	57	57	- 2	Z	0	f	1		66	54	-
Perpignan ...	30.10	73	ENE	3	bc		30.16	+ .03	70	63	+ 5	NNW	3	c	*		77	?	-
Biarritz ...	30.21	64	WSW	1	o		30.26	+ .14	61	59	- 0	NE	1	o	0		75	59	-
<b>PORTUGAL.</b>																			
Corunna ...	*	*	*	*	*		30.28	+ .13	69	67	+ 1	W	1	b	1		77	54	-
Lisbon ...	30.19	64	NNW	5	b		30.21	+ .04	63	59	+ 2	NNE	3	b	2		72	57	-

For Explanation of Columns, see p. 4.



# WEATHER

for 8 a.m. on

# CHARTS

Sunday 5<sup>th</sup> June

1887.

## 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

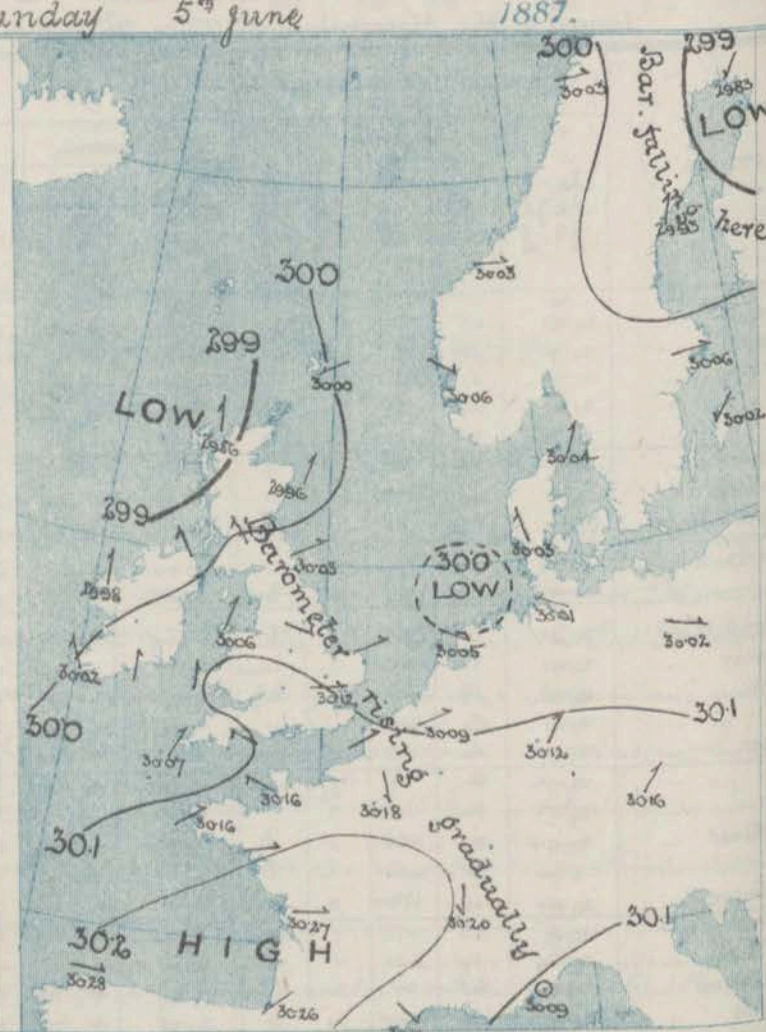
■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of June

During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.860
Stornoway	29.832
Wick	29.861
Nairn	29.868
Aberdeen	29.876
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Holyhead	29.929
Liverpool	29.930
Valencia	29.929
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Scilly	29.971
Hurst Castle	29.969
Dover	29.962
LONDON	29.963
Oxford	29.953
Cambridge	29.960
Yarmouth	29.956



## 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.

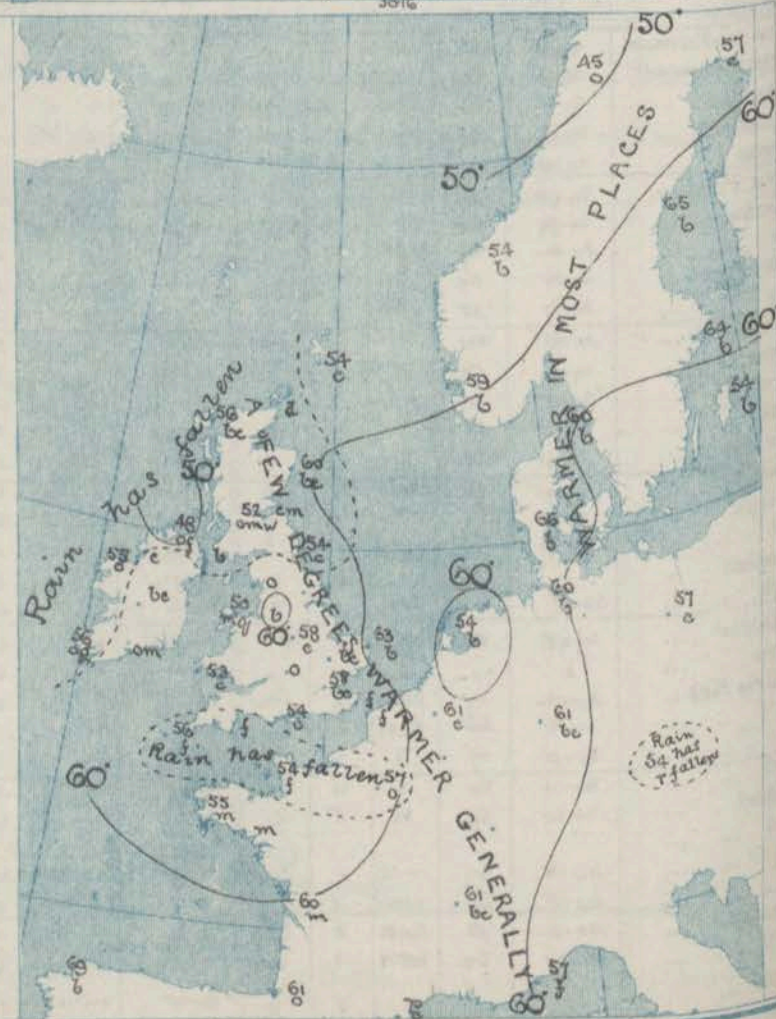
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## 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	54.9	45.5	50.7	49.1	2.07
Stornoway	58.3	46.4	54.2	51.7	2.99
Wick	59.2	46.0	53.8	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	58.4	58.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	66.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	58.9	58.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.28
Pembroke	61.2	51.8	55.4	58.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
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Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 ins: and upwards, over Spain, the southern part of the Bay of Biscay and the greater part of France.  
Lowest, 29.3 ins: and upwards, in depressions lying respectively off the N.W. of Scotland and the N. part of the Gulf of Bothnia.

## TEMPERATURE

Highest, 70° at Perpignan, 69° at Conna, 66° at Tarragona, 65° at Helsingfors, 64° at Stockholm and 63° at Lander and Yarmouth.  
Lowest, 45° at Haparanda, 50° at Holyhead, 51° at Haverford, and 51° at Wick.

## WIND

Light or moderate from the S.W. on our west coast: light W. in the east and southeast of England and the N. of France.  
Variable on the eastern shores of the North Sea; light N.W. in the south of France.

## WEATHER

Fair generally, but foggy at most of the Channel stations, and dull on the west coasts of Ireland and France.  
[Slight rain fell yesterday in many parts of the United Kingdom]

## SEA

Moderate at Valencia and Lillie, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions noticed yesterday over the Netherlands and North Germany have continued to disperse, and the barometer has risen at all but the extreme northern stations, where a slight fall has taken place. The distribution of pressure is however, still somewhat irregular.

## FORECASTS

for the 24 hours ending at NOON on 6<sup>th</sup> June 1887.

### 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.
Skudeanses ...	30.02	70	58	WNW 4	b	2	Holyhead ...	29.95	58	55	SSW 3	b	2
Sumburgh Head ...	30.03	55	50	2 0	b	2	Valencia ...	29.92	62	58	WSW 3	c	3
Stornoway ...	29.89	64	59	NE 1	c	1	Scilly ...	30.00	60	57	WSW 4	f	4
Aberdeen ...	29.97	57	53	ENE 2	b	2	Dungeness ...	29.97	58	56	W 4	bc	3
Shields ...	29.91	49	48	ENE 1	r	3	London ...	29.97	66	60	SW 4	c	*
Ardrossan ...	29.89	53	52	NE 1	o	1	Yarmouth ...	29.99	62	58	WNW 2	b	2
Malin Head ...	29.87	52	52	E 1	o	1	Jersey ...	30.01	64	60	W 3	bc	3
Mullaghmore ...	29.88	63	56	WNW 2	b	1	Rochefort ...	30.19	63	59	WSW 5	o	2
Belmullet ...	29.90	61	55	W 2	b	*							

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

The Continental reports for yesterday morning showed that pressure was highest, 30.1 in.: and upwards, over Spain and Central France, and lowest, 29.8 in.: and less, in two small depressions which lay over the Netherlands and North Germany. A trough of relatively low pressure, however (29.9 in.: and less) extended from our extreme western coasts across England and the southern part of the North Sea to Western Russia. The wind was light from E. or NE. over Scandinavia and the north of our Islands, but in the south of England, the north of France and the greater part of Germany it was SW, while in the south of France it drew into NW., and at the Algerian stations into NE. In the neighbourhood of the trough of low pressure the weather was in an unsettled showery state, but elsewhere it was generally fair. Temperature had fallen a little in Austria, Germany, and the Netherlands, but risen elsewhere, and readings ranged from 70° and upwards at several of the Algerian, Spanish and Italian stations to 50° or less over central Russia, Northern Scandinavia and Northeastern England. The highest individual readings were 79° at Biskra, 77° at Cagliari, 75° at Brindisi and Malta, 74° at Constantinople, and 72° at Barcelona; the lowest were 39° at Archangel, 46° at Moscow, 47° at Ulaborg, and 49° at Sumburgh H., Shields, and St. Petersburg.

In the course of the day the depressions over the Netherlands and Germany dispersed while the high pressure system over Spain extended northwards. The barometer therefore rose generally, and fine weather set in over the greater part of the United Kingdom.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Monday 6<sup>th</sup> June 1887.

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.	Inch.	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 ..	29.89	53	E.N.E.	2	o	Inch.	29.91	+0.02	51	47	-6	S.E.	2	o	#	63	41	-	
Hernösand ...	29.89	62	Z.	o	b		29.89	-0.04	63	52	-2	N	2	b	#	81	46	-	
Stockholm ...	29.99	59	S.S.E.	2	b		29.95	-0.11	66	59	+2	N.W.	2	b	#	75	45	-	
Wisby ...	30.02	57	E.S.E.	4	b		30.01	-0.01	59	52	+5	N.W.	4	b	#	72	48	-	
Bodö ...	29.97	45	N	2	c		29.98	-0.05	46	45	+1	N.E.	2	o	1	46	43	0.08	
Christiansund...	30.05	49	N	1	f		29.99	-0.04	48	46	-6	N.W.	2	f	1	7	43	-	
Skudesnaes ...	30.04	57	S.S.W.	1	b		30.00	-0.06	58	50	-6	S	4	o	3	68	?	-	
Christiania Fjord (Færder)	30.00	63	S.W.	4	b		29.95	-0.10	61	56	-2	N.W.	4	b	2	68	59	-	
Skagen (The Scaw)	30.01	62	Z.	o	b		30.02	-0.02	60	52	o	W	2	b	2	72	48	-	
Fanö ...	30.06	56	N.W.	1	b		30.06	+0.03	65	58	-1	W.N.W.	2	b	#	70	52	-	
BRITISH ISLANDS.																			
Sumburgh Head	29.99	50	E.N.E.	1	m		29.95	-0.05	49	48	-5	E.N.E.	1	o	2	56	47	0.04	
Stornoway ...	29.95	61	S.W.	1	b		29.87	+0.01	54	54	-2	S.W.	1	o	0	65	46	0.20	
Wick ...	29.98	52	Z.	o	b		29.93	-0.01	52	51	+1	S.E.	2	o	1	56	40	0.02	
Nairn ...	29.98	62	Z.	o	b		29.94	-0.01	53	52	-2	Z.	o	r	1	62	45	-	
Aberdeen...	29.99	63	E.S.E.	1	b		29.96	-0.00	60	56	o	S	2	c	1	66	47	-	
Leith ...	29.99	66	W	2	b		29.99	-0.00	56	54	+2	N.W.	1	o	m	70	49	-	
Shields ...	30.03	58	S.W.	2	c		30.04	+0.01	56	54	+2	S.W.	2	o	2	64	48	-	
Spurn Head ...	30.06	55	S.S.E.	3	b		30.07	+0.01	57	55	+3	S	1	b	2	58	51	-	
York ...	30.06	65	W	1	c		30.08	+0.03	60	56	+3	W	1	c	#	73	49	-	
Loughborough	30.07	68	W.N.W.	1	b		30.10	+0.03	60	56	+2	W	2	o	W	69	47	-	
Ardsrossan ...	30.02	58	N.W.	1	c		29.99	-0.03	53	52	+1	S.W.	1	o	2	60	44	-	
Malin Head ...	29.94	57	S.E.	3	o		29.93	-0.04	56	54	+2	S	4	o	2	59	48	0.01	
Mullaghmore ...	29.93	67	S.S.E.	3	c		29.89	-0.10	58	56	o	S	5	c	3	68	57	0.03	
Belmullet ...	29.93	60	S.W.	3	o		29.87	-0.11	56	55	+1	S.S.W.	2	o	#	62	54	0.05	
Donaghadee ...	30.02	57	S	3	b		30.00	-0.00	54	54	-3	S.S.W.	5	o	3	66	50	-	
Barrow-in-Furness	30.07	54	N.W.	1	b		30.07	+0.02	53	52	-1	N.W.	8	o	#	58	50	-	
Liverpool (Bidston)	30.06	61	N.W.	1	b		30.08	+0.02	57	55	-4	E.S.E.	1	o	1	66	53	-	
Holyhead ...	30.06	54	S.W.	3	b		30.06	-0.00	52	52	+2	S	3	m	2	56	49	-	
Parsonstown ...	30.00	65	S.S.E.	1	b		29.97	-0.05	59	56	-1	S	2	o	#	67	55	-	
Valencia ...	29.96	57	S.S.E.	6	o		29.93	-0.09	57	56	+1	S	6	r	5	59	55	0.41	
Roche's Point...	30.07	56	S.S.W.	4	c		30.00	-0.02	56	55	+1	S	4	c	4	60	52	0.02	
Pembroke ...	30.10	52	S	2	f		30.09	-0.01	53	53	o	S.S.W.	2	o	3	56	50	-	
Scilly ...	30.13	57	S.W.	4	o		30.09	+0.02	58	57	+2	S	4	o	4	62	52	-	
Prawle Point ...	30.16	54	N.W.	3	o		30.17	+0.12	54	53	+2	S.S.W.	2	c	1	57	50	-	
Jersey ...	30.19	66	N.W.	2	b		30.20	+0.04	58	55	+4	N.W.	2	c	2	68	53	-	
Hurst Castle ...	30.15	53	S.W.	2	f		30.17	+0.03	55	54	+1	N.W.	2	o	1	58	50	-	
Dungeness ...	30.11	55	W	4	b		30.15	+0.07	52	52	-1	W	4	o	3	58	50	-	
London ...	30.10	66	W	2	b		30.13	+0.01	58	56	o	W	1	c	#	68	53	-	
Oxford ...	30.10	61	S.W.	1	b		30.14	+0.03	56	54	+3	N.W.	2	o	#	65	53	-	
Cambridge ...	30.11	66	W	2	b		30.18	+0.04	61	58	+2	W	1	c	#	67	48	-	
Yarmouth ...	30.07	61	N.W.	1	b		30.11	+0.06	57	55	-6	Z.	o	b	2	65	52	-	
Cuxhaven ...	30.09	57	?	2	b		30.08	+0.07	63	61	+3	N.W.	1	o	#	66	57	-	
Berlin ...	30.03	64	Z.	o	b		30.08	+0.06	62	54	+5	N	1	b	#	72	52	-	
Wiesbaden ...	*	*	*	*	*		30.16	+0.04	62	59	+1	N.W.	1	o	#	70	57	-	
Munich ...	30.18	56	Z.	o	c		30.18	+0.02	58	57	+4	N.W.	2	o	#	64	?	0.87	
FRANCE & NETHERLANDS.																			
The Helder ...	30.10	57	W	1	c		30.12	+0.07	55	54	+1	S.W.	1	c	1	61	50	-	
Brussels ...	*	*	*	*	*		30.17	+0.08	56	53	-5	N.W.	3	b	#	67	?	-	
Cape Gris Nez...	30.14	54	W	4	b		30.17	+0.08	50	50	o	N.W.	4	f	3	57	48	-	
Paris ...	30.18	68	N.W.	1	b		30.17	-0.01	58	56	+1	N	1	m	#	69	52	0.04	
Brest ...	30.22	57	W	3	o		30.18	+0.02	55	54	o	E.N.E.	1	o	2	57	52	-	
Lorient ...	30.22	59	N.W.	4	b		30.23	+0.04	57	55	o	S	1	o	2	61	54	-	
Rochefort ...	30.30	66	N	1	o		30.27	-0.00	61	59	+1	N	4	c	3	70	54	-	
Belfort ...	30.15	62	W	1	c		30.19	-0.03	60	53	o	W	3	c	#	69	51	0.12	
Lyons ...	30.15	67	N.E.	1	b		30.17	-0.03	63	57	+2	N.W.	1	c	#	70	54	-	
Nice ...	30.03	63	Z.	o	b		30.02	-0.07	66	57	+9	Z.	o	b	o	68	53	-	
Perpignan ...	30.10	77	N.W.	3	b		30.14	-0.02	71	61	+1	N.W.	1	b	#	82	63	-	
Biarritz ...	30.19	64	N.E.	4	?		30.21	-0.05	62	60	+1	Z.	o	o	o	68	59	-	
Corunna ...	*	*	*	*	*														
Lisbon ...	30.19	64	N.W.	1	b		30.19	-0.02	63	59	o	N	5	b	2	75	57	-	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Monday, 6<sup>th</sup> June

1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

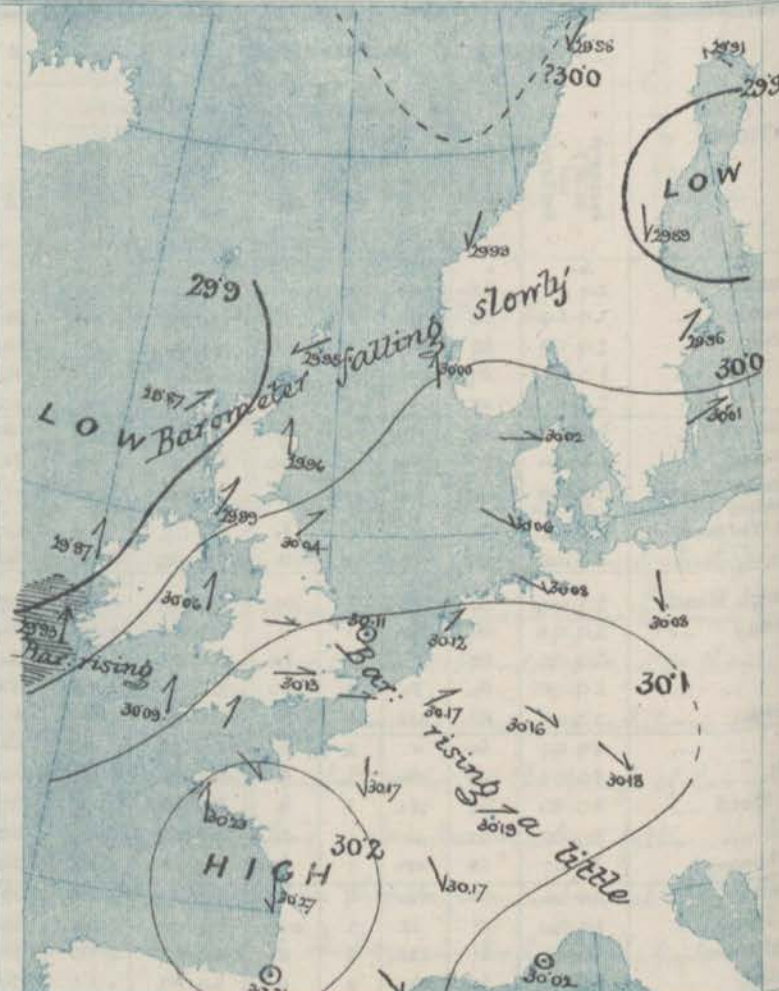
**Barometer** — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus —  
 — = forces above 10, — = forces 8 to 10,  
 — = forces 5 to 7, — = 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 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.860
Stornoway	29.832
Wick	29.861
Nairn	29.868
Aberdeen	29.876
Leith	29.892
Shields	29.918
York	29.936
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.989
Dover	29.982
LONDON	29.983
Oxford	29.953
Cambridge	29.960
Yarmouth	29.956



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

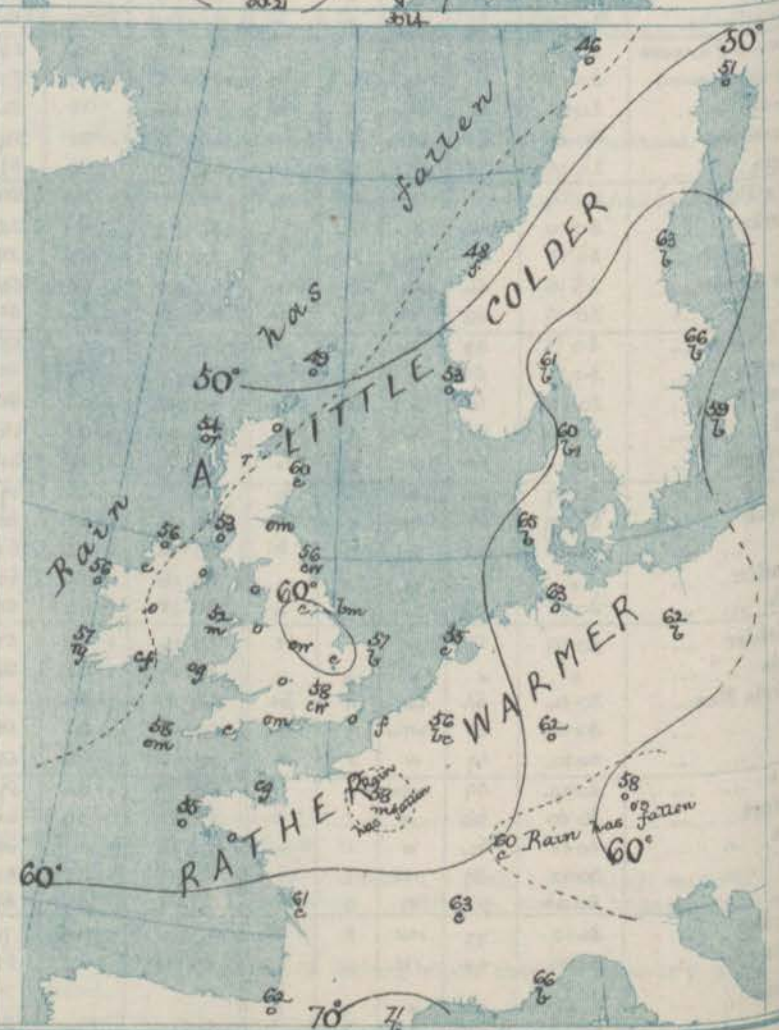
**Temperature** — Isotherms are drawn for each 10° changes since previous morning are stated in words.  
**Weather** — is shown by letters of the Beaufort Scale.  
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, 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 a.m.	
			Dry.	Wet.	
Sumburgh Head	54.9	45.5	50.7	49.1	2.07
Stornoway	55.3	46.4	51.2	51.7	2.09
Wick	59.2	46.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	66.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	58.9	53.9	3.43
Roche's Point	66.1	51.6	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85.





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Highest, 30.2 ins. and more, over the coast of France and the Channel Islands and about 30 ins. off the NW. of Norway.  
 Lowest, 29.87 ins. at Belmullet and Stormoway — 29.83 ins. at Hinnösand.  
 Gradients are slight. Barometer is changing little and irregularly.

### TEMPERATURE

Highest, 71° at Perpignan, 66° at Stockholm and Nice, 65° at Fano, and 63° at Hinnösand and at Stockholm.  
 Lowest, 46° at Bodø, 48° at Christiansund and 49° at Lumburgh Hk.  
 Its distribution is therefore somewhat irregular.

### WIND

Fresh to moderate S. in Ireland. Light SW over England. W. to NW over Germany and the Netherlands.  
 Elsewhere wind is very variable, and in most places light.

### WEATHER

Fine and bright over the east of England, North Sea, and south of Scandinavia, also over Spain and the south of France.  
 Very cloudy elsewhere, with rain at Valencia, Kairi and Stormoway.  
 [The rainfall in our Islands yesterday was confined to Ireland and the west and north of Scotland.]

### SEA

Rather rough at Valencia, moderate at our other southwestern stations, slight or smooth elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The changes in progress are too slight to indicate any immediate change of importance.

## FORECASTS

for the 24 hours ending at NOON on 7<sup>TH</sup> JUNE 1887.

### DISTRICTS.

### FORECASTS.

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

S<sup>w</sup> winds, light, close, changeable, some rain  
 ----- D° ----- D° ----- D°  
 ----- D° ----- D° ----- D°  
 Same as N°5  
 Same as N°0  
 SW<sup>w</sup> winds, light, dull and close to fair and bright.



### DISTRICTS.

### FORECASTS.

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

S<sup>w</sup> winds, moderate, showery.  
 ----- D° ----- D° ----- D°  
 Same as N°0  
 S<sup>w</sup> winds, fresh to moderate, showery.  
 ----- D° ----- D° ----- D°  
 The signals which were hoisted yesterday in districts 9 and 10 have been lowered again this morning.

### WARNINGS

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	30.04	67	52	SSW 1	6	1	Holyhead ...						
Sumburgh Head							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rochefort ...	30.30	66	63	N 1	0	2
Belmullet ...													

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

The Continental reports for yesterday morning showed that although pressure over Western Europe was uniform, its distribution was exceedingly irregular. Areas of high readings 30.5ms and upwards were found respectively over Central Russia, Spain and France, while shallow areas of low readings 29.9ms and less existed over the northern parts of the Gulf of Bothnia, over Western Russia and over the extreme north of our islands. The winds were generally light in force, but varied a good deal in direction. Over England, Ireland and the north of France they were SW or W, but in the south of France they veered into NW, and in Spain into NE. Over Eastern Europe, however, they were generally E. The weather was rainy at several of the German stations, but fair or fine in almost all other localities. Temperature had risen a little in most places, and readings ranged from 70° and upwards in Algeria and several parts of Southern Europe to 50° or less over the northern parts of Russia and Norway. The highest individual readings were 76° at Biskra and Cagliari, 75° at Tunis and Brindisi and 74 at Nemours. The lowest were 43° at Archangel, 45° at Rodez and 50° at Holyhead and Braule Point.

In the course of the day the barometer fell somewhat decidedly on our extreme western coasts and the wind increased to a strong breeze from SSE at Valencia. Elsewhere, however, little change was observed.

## SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 29<sup>TH</sup> MAY TO THE 4<sup>TH</sup> JUNE 1887.

The weather of the past week has been generally fair over Scandinavia and the northern and north-western parts of the United Kingdom, but unsettled and rainy in England, France and Germany. Temperature remained rather low for the time of year until quite the close of the week, when the thermometer over England began to rise somewhat decidedly.

At the commencement of the period a large anticyclonic system lay to the northward of our islands, while a small shallow depression existed over France. NE's and E's winds therefore prevailed generally, and on the eastern coasts of Great Britain they blew freshly or strongly, while rain fell at some of our northern stations.

On the 30<sup>th</sup> May, however, the anticyclone extended southwards while the depression filled up and the E's winds therefore fell light, while fair weather set in over the greater part of Western Europe.

During the latter part of the 31<sup>st</sup> May, however, the anticyclone again receded in a northerly and north-easterly direction, while depressions began to appear over France. On the morning of the 2<sup>nd</sup> June a small depression was seen over the Bay of Biscay and in the course of the day this grew deeper and moved north-eastwards to the north-east of France. On the 3<sup>rd</sup> the disturbance began to fill up over the Netherlands, and by the close of the week it had almost entirely disappeared.

The advance of the depression was attended by heavy rain at the English and French stations, the largest amounts in the 48 hours ending June 4<sup>th</sup> being 1.3 ins at Liverpool and Oxford, 1.2 ins at Belfast, 1.1 ins in London and at Loughborough and 1.0 in at Holyhead and Paris. On the early morning of the 3<sup>rd</sup> a little snow fell at Lutterworth.

During the 4<sup>th</sup> a new high-pressure system advanced from Spain and the south of France and extended northwards over our southern districts. Fair weather therefore set in at all but our northern stations and temperature rose to 70° in some parts of England.

## EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Tuesday 7<sup>th</sup> June 1887.

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.	
<b>SCANDINAVIA.</b>																			
Haparanda ...	29.84	51	S	2	o		29.86	-.05	53	46	+ 2	NE	4	c	*		57	45	-
Hernösand ...	29.82	61	SW	2	bc		29.84	-.05	58	50	- 5	NNE	2	b	*		79	48	-
Stockholm ...	29.87	64	WSW	2	o		29.85	-.10	62	57	- 4	WNW	4	b	*		79	50	-
Wishby ...	29.96	57	S	4	b		29.90	-.11	58	53	- 1	W	4	b	*		73	50	-
Bodö ...	29.98	44	NNE	4	c		29.95	-.03	46	42	0	NE	2	c	1		48	41	-
Christiansund ...	29.95	49	NNE	5	bc		29.86	-.13	50	47	+ 2	ESE	2	c	1		55	?	-
Skudesnaes ...	29.95	54	WNW	1	o		29.89	-.11	55	51	+ 2	SSE	4	o	3		55	52	-
Christiania Fjord (Fjorder)	29.63	59	SW	8	b		29.83	-.12	60	54	- 1	Z	0	bc	2		61	55	-
Skagen (The Scaw)	29.95	52	W	2	b		29.90	-.12	54	52	- 6	WNW	4	o	3		64	48	-
Fanö ...	30.04	55	W	1	b		30.03	-.03	59	56	- 6	W	4	o	*		68	54	-
<b>BRITISH ISLANDS.</b>																			
Sumburgh Head	29.90	50	Z	0	o		29.69	-.26	50	50	+ 1	ESE	2	f	2		53	46	-
Stornoway ...	29.78	58	SW	2	c		29.47	-.40	53	53	- 1	SW	1	r	1		60	51	0.12
Wick ...	29.90	55	Z	0	o		29.63	-.30	52	51	0	S	2	o	1		63	49	0.02
Nairn ...	29.86	65	WSW	1	c		29.62	-.32	59	56	+ 6	S	2	c	2		68	52	0.02
Aberdeen ...	29.90	63	SW	3	c		29.72	-.24	53	52	- 7	S	4	op	1		70	51	0.10
Leith ...	29.94	60	W	1	o		29.73	-.26	60	56	+ 4	SW	2	c	*		65	55	0.01
Shields ...	29.99	62	SW	3	o		29.84	-.20	58	56	+ 2	S	3	op	2		66	50	-
Spurn Head ...	30.01	61	SW	3	c		29.95	-.12	59	57	+ 2	SSW	4	c	2		66	53	-
York ...	30.03	65	W	1	o		29.90	-.18	61	58	+ 1	S	3	c	*		71	55	-
Loughborough	30.07	64	WSW	2	c		29.96	-.14	60	57	0	SSW	3	o	*		67	55	-
Ardrossan ...	29.93	54	ESE	1	rm		29.69	-.30	53	52	0	SSE	3	rm	3		56	48	0.11
Malin Head ...	29.84	59	S	3	op		29.53	-.40	52	51	+ 4	SSW	4	og	2		61	52	0.12
Mullaghmore ...	29.88	61	S	5	op		29.59	-.30	56	53	- 2	S	7	o	6		63	51	0.12
Belmullet ...	29.81	59	SW	2	o		29.60	-.27	56	54	0	SW	7	o	*		59	53	0.35
Donaghadee ...	29.94	55	SW	5	r		29.72	-.22	55	54	+ 1	SW	4	o	2		58	52	0.04
<b>BRITISH ISLANDS.</b>																			
Barrow-in-Farress	30.02	57	S	3	o		29.85	-.22	55	54	+ 2	SSW	4	c	*		59	53	0.01
Liverpool (Bidston)	30.03	62	W	1	o		29.88	-.20	59	54	+ 2	SSW	3	o	2		67	57	-
Holyhead ...	30.01	54	SSW	4	o		29.87	-.19	52	51	0	SSW	4	ogm	4		57	51	0.03
Parsonstown ...	29.88	62	SSE	2	o		29.77	-.20	58	55	- 1	SW	2	og	*		62	53	0.05
Valencia ...	29.82	57	SSW	4	om		29.82	-.11	57	56	0	WSW	6	o	6		58	53	0.33
Roche's Point ...	29.89	55	S	5	r f		29.85	-.15	56	56	0	SW	5	rm	4		57	52	0.15
Pembroke ...	30.04	56	S	4	o		29.95	-.14	53	52	0	SW	4	ogm	5		56	51	0.03
Scilly ...	30.03	58	S	6	o		30.01	-.08	60	58	+ 2	SW	5	c	5		60	53	0.01
Prawle Point ...	30.14	53	SSW	2	f		30.08	-.09	55	55	+ 1	SW	4	og	4		57	52	0.05
Jersey ...	30.17	59	Z	0	c		30.12	-.08	57	56	- 1	SSW	3	ogm	3		63	54	-
Hurst Castle ...	30.14	54	SW	3	c		30.08	-.09	54	54	- 1	SW	5	oam	2		60	52	-
Dungeness ...	30.10	55	W	4	c		30.08	-.07	55	53	+ 3	W	3	c	2		58	51	-
London ...	30.12	63	SW	1	o		30.06	-.07	61	57	+ 3	SW	3	c	*		61	53	-
Oxford ...	30.10	59	SW	3	b		30.02	-.12	58	57	+ 2	SW	4	o	*		64	53	-
Cambridge ...	30.08	63	SW	1	o		30.03	-.10	60	58	- 1	SSW	2	o	*		70	52	-
Yarmouth ...	30.08	65	WNW	2	bc		30.04	-.07	62	58	+ 5	WSW	4	bc	2		68	51	-
Cuxhaven ...	30.15	54	NW	1	f		30.12	+ .04	62	59	- 1	SSW	1	m	*		63	54	-
Berlin ...	30.05	66	Z	0	b		30.08	-.00	65	58	+ 3	NW	1	b	*		72	57	-
Wiesbaden ...	*	*	*	*	*		30.15	-.01	62	59	0	Z	0	c	*		73	54	-
Munich ...	30.18	57	W	2	c		30.19	+ .01	60	57	+ 2	SW	1	b	*		64	52	0.04
<b>FRANCE &amp; NETHERLANDS.</b>																			
The Helder ...	30.11	53	SW	1	f		30.06	-.06	57	55	+ 2	SW	3	bc	2		61	52	-
Brussels ...	*	*	*	*	*		30.13	-.04	59	54	+ 3	WSW	3	b	*		69	59	-
Cape Gris Nez ...	30.16	54	SW	4	c		30.11	-.06	57	55	+ 7	S	3	c	2		57	50	-
Paris ...	30.16	65	N	1	bc		30.17	-.00	62	60	+ 4	SE	1	bc	*		71	53	-
Brest ...	30.15	55	SW	5	m		30.12	-.06	58	56	+ 3	S	5	m	5		?	52	-
Lorient ...	30.21	56	SSW	1	o		30.16	-.07	58	57	+ 1	SW	3	o	3		64	54	-
Rochefort ...	30.24	63	WNW	4	b		30.23	-.04	61	59	0	Z	0	b	0		74	52	-
Belfort ...	30.12	65	W	1	b		30.19	-.00	59	52	- 1	E	1	b	*		74	50	-
Lyons ...	30.11	68	NNE	3	b		30.15	-.02	62	56	- 1	N	3	b	*		72	57	-
Nice ...	29.97	68	W	1	b		29.98	-.04	70	59	+ 4	E	3	b	0		77	59	-
Perpignan ...	30.07	76	NW	4	b		30.13	-.01	71	50	0	NW	3	b	*		88	59	-
Biarritz ...	30.19	68	E	4	b		30.22	+ .01	60	58	- 2	NW	4	o	1		70	57	-
<b>SPAIN.</b>																			
Corunna ...	*	*	*	*	*		*	*	*	*	*	*	*	*	*		*	*	*
Lisbon ...	30.12	67	WNW	7	b		30.10	-.09	66	59	+ 3	NNE	5	b	2		77	59	-

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on *Tuesday, 7<sup>th</sup> June*

1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

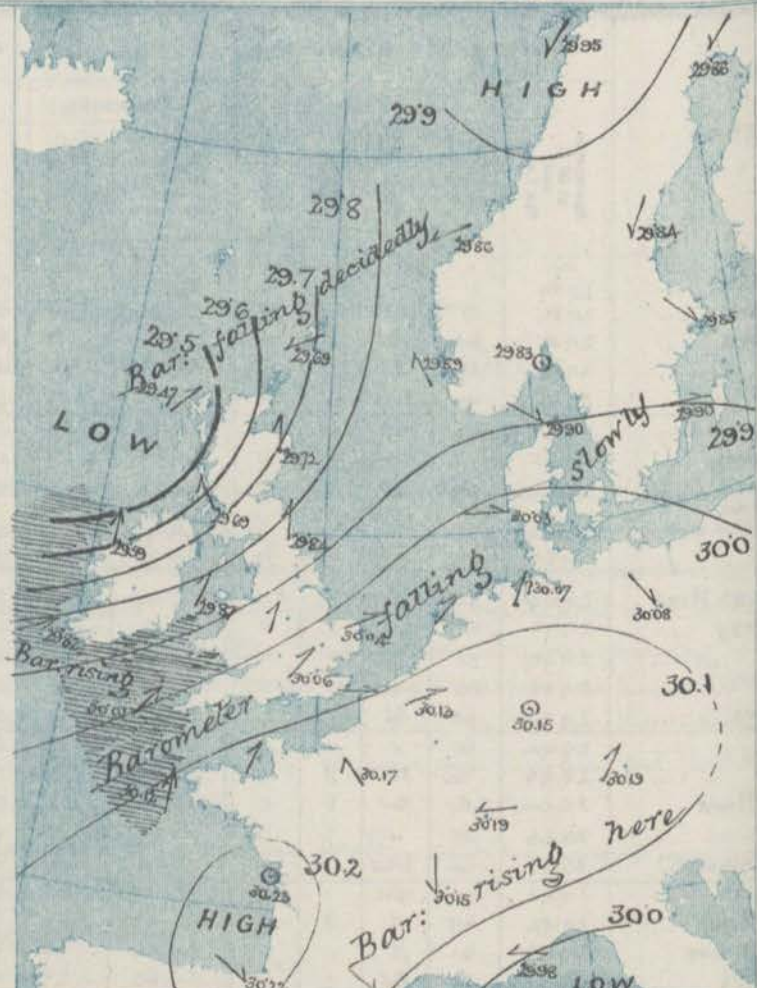
→ = forces above 10; →→ = forces 8 to 10;  
→→ = forces 5 to 7; →→ = forces 4 to 4;  
○ = dead calm.

**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 10 Years 1871—1880.

STATIONS.	MEAN READINGS
	in.
Sumburgh Head	29.860
Stornoway	29.832
Wick	29.861
Nairn	29.868
Aberdeen	29.876
Leith	29.892
Shields	29.918
York	29.936
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.969
Dover	29.962
LONDON	29.963
Oxford	29.953
Cambridge	29.960
Yarmouth	29.956



## 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	54.9	45.5	50.7	49.1	2.07
Stornoway	58.3	48.4	54.2	51.7	2.99
Wick	59.2	48.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	66.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.0	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.1 to 30.2 ins., over nearly the whole of Spain, France and Germany, 29.95 ins. in north of Norway.  
Lowest, 29.5 ins. and less, off the west and north-west of Scotland. 29.8 ins. and less, over Finland.  
Gradients slight over the Continent, moderately steep over our Islands.  
Barometer falling over the United Kingdom generally - most in the north.

## TEMPERATURE

Highest, 71° at Reims, 70° at Nice, 66° at Liège, 65° at Berlin, 62° at Stockholm and Yarmouth, 61° at York and in London.  
Lowest, 46° at Bodo, 50° at Christiansund and Lumburg Ht., 52° at Malin Ht.  
It is slightly higher over Great Britain than it was yesterday.

## WIND

SW<sup>ly</sup>, strong, over Ireland, SW<sup>ly</sup> to S<sup>ly</sup>, moderate, over England.  
S<sup>ly</sup>, light in Scotland. Very variable over the Continent.  
Over France and Germany it is mainly anticyclonic.

## WEATHER

Clear over Sweden, Germany, France, and Spain.  
Cloudy over the British Isles, the Channel and Brittany.  
Showery in the United Kingdom, except at the eastern and southeastern stations.  
[Halo was seen yesterday in the south-east of England, mock suns in some places.]

## SEA

Though in the extreme west, rather so off our southwest coasts, moderate in St. George's Channel, slight off our south-east coasts, smooth in the north-east and east.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the depression in the northwest moves northeastwards small shallow subsidiary systems will probably be developed in the east and south, and the showery weather will thus become general. In the east and south-east, however, the showers will probably be separated by intervals of bright sunshine.

## FORECASTS

For the 24 hours ending at NOON on 8<sup>th</sup> JUNE 1887.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	S <sup>ly</sup> and SW <sup>ly</sup> winds, moderate, showery.
1	SCOTLAND EAST	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----
2	ENGLAND N.E.	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----
3	ENGLAND EAST	Same as N°5
4	MIDLAND COUNTIES	Same as N°5
5	ENGLAND SOUTH	SW <sup>ly</sup> breezes, moderate to fresh, some showers with bright intervals.



### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	SW <sup>ly</sup> winds, fresh or strong; squally, showery.
7	ENGLAND N.W.	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----
8	ENGLAND S.W.	SW <sup>ly</sup> winds, fresh; showery.
9	IRELAND NORTH	SW <sup>ly</sup> and S <sup>ly</sup> winds, strong and squally, showery especially in the west.
10	IRELAND SOUTH	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----

### 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 ...	29.99	55	52	SSW 2	0	3	Holyhead ...	30.06	54	53	SSW 3	TM	2
Sumburgh Head ...	29.94	52	50	2 0	0	1	Valencia ...	29.88	58	58	SE 6	TM	5
Stornoway ...	29.86	59	57	SW 1	0p	1	Scilly ...	30.07	60	58	S 5	0	4
Aberdeen ...	29.93	67	60	SSW 4	c	1	Dungeness ...	30.13	57	55	W 4	bc	3
Shields ...	30.01	66	59	SW 2	0	2	London ...	30.14	65	59	W 2	0	4
Ardrossan ...	29.98	55	53	SSW 2	0	2	Yarmouth ...	30.10	59	57	SSE 3	bc	2
Malin Head ...	29.67	59	58	S 3	0	2	Jersey ...	30.21	60	57	SE 3	c	3
Mullaghmore ...	29.87	62	59	SSW 5	0p	4	Rochefort ...	30.26	72	64	W 3	c	2
Belmullet ...	29.87	57	56	SW 2	6	*							

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

The Continental reports for yesterday morning showed that, although, barometric readings were fairly uniform the distribution of pressure over Western Europe was very irregular. The highest pressures (30.1 to nearly 30.3 ins.) were found in an anticyclone lying over France, Spain, and the north of Algeria, but large areas of relatively low readings were situated respectively over the extreme west and north of our Islands, Finland, the south of Russia, and the southern part of the Mediterranean. With these conditions the winds varied a good deal in different localities. Over our Islands and the north of France they were chiefly SW<sup>ly</sup>, and in the south of France NW<sup>ly</sup>, but elsewhere no distinct current was observed. The weather was fair generally, but overcast skies were reported locally, and rain was falling at some of our western and northern stations as well as at Casco. Temperature had fallen a little in Scandinavia and in the north of Denmark, ~~but~~ risen in most other localities; readings ranged from between 65° and 75° over Algeria, Spain, and Southern Italy to 50° or less over the extreme north of Europe. The highest individual readings were 77° at Cagliari, 74° at Trieste and Barcelona, 73° at Brindisi, 72° at Oren, Bilbao, and Constantinople; the lowest were 37° at Archangel, 46° at Bodö, 48° at Christiansund, and 49° at Sumburgh Hd.

In the course of the day the barometer fell slightly over Western Europe, and low pressure systems were disposed to extend over us from the Atlantic. Over the eastern part of Great Britain the weather, however, remained fair and mild, the thermometer rising to 70° at Aberdeen and Cambridge and 71° at York during the afternoon.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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# DAILY WEATHER REPORT.

for Wednesday 8<sup>th</sup> June

1887.

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

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ...	29.80	50	Z	0	b	29.64	- .22	54	46	+ 1	S	2	b	*	57	43	-		
Hernösand ...	29.83	51	Z	0	b	29.55	- .29	49	48	- 9	SE	2	r	*	64	?	0.04		
Stockholm ...	29.80	59	ENE	2	c	29.62	- .23	50	55	- 6	S	2	r	*	70	52	0.12		
Wisby ...	29.89	60	SW	4	b	29.79	- .17	58	55	0	WSW	4	r	*	72	?	-		
Bodö ...	29.76	46	NNE	4	b	29.39	- .56	53	48	+ 7	ENE	4	b	2	52	43	-		
Christiansund ...	29.60	53	NE	5	c	29.32	- .54	49	48	- 1	WSW	7	r	3	55	46	0.20		
Skudesnaes ...	29.62	55	S	8	r	29.60	- .29	54	51	- 1	SW	6	c	4	55	?	-		
Christiania Fjord (Færder)	29.72	57	SSW	8	o	29.54	- .29	57	52	- 3	WSW	8	b	5	61	54	-		
Skagen (The Scaw)	29.79	57	WSW	2	o	29.68	- .22	55	53	+ 1	W	4	b	3	66	60	0.12		
Fanö ...	29.88	57	SW	4	c	29.85	- .18	64	59	+ 5	WSW	4	b	*	64	55	-		
BRITISH ISLANDS.																			
Sumburgh Head	29.34	51	SW	2	o	29.37	- .32	49	48	- 1	W	6	o	6	55	46	0.40		
Stornoway ...	29.48	53	SW	4	o	29.60	+ .13	50	52	0	NW	5	b	5	54	48	0.25		
Wick ...	29.43	55	WNW	7	c	29.62	- .01	52	51	0	W	6	o	4	61	48	0.07		
Nairn ...	29.52	57	WSW	5	b	29.69	+ .05	55	50	- 4	WSW	2	c	2	67	51	-		
Aberdeen ...	29.55	63	W	6	b	29.70	- .02	56	49	+ 3	W	3	o	1	67	50	0.02		
Leith ...	29.68	62	SW	6	b	29.80	+ .07	59	65	- 1	W	3	c	*	68	51	0.01		
Shields ...	29.76	62	SW	5	c	29.88	+ .04	55	51	- 3	WSW	3	o	2	64	51	-		
Spurn Head ...	29.87	65	SW	3	c	29.96	+ .01	58	65	- 1	WSW	3	b	2	70	53	-		
York ...	29.85	64	S	3	c	29.95	+ .05	58	54	- 3	W	3	c	*	70	50	-		
Loughborough	29.91	67	WSW	3	o	29.99	+ .08	59	54	- 1	SW	2	c	*	72	51	-		
GERMANY.																			
Ardrossan ...	29.75	55	WSW	4	b	29.86	+ .17	53	51	0	SW	3	c	2	59	49	0.16		
Malin Head ...	29.73	55	W	4	o	29.83	+ .30	54	51	+ 2	SW	3	o	2	60	51	-		
Mullaghmore ...	29.82	56	WSW	5	b	29.89	+ .30	56	53	0	SSW	4	b	2	62	52	0.01		
Belmullet ...	29.84	57	WSW	6	b	29.89	+ .29	56	52	0	SW	6	b	*	59	52	0.10		
Donaghadee ...	29.81	64	W	6	c	29.92	+ .20	56	52	+ 1	W	3	o	1	68	50	-		
FRANCE & NETHERLANDS.																			
Barrow-in-Farress	29.85	54	SW	5	f	29.94	+ .09	52	57	- 3	SW	4	sm	*	56	50	0.01		
Liverpool (Bidston)	29.89	63	SW	4	b	29.99	+ .11	52	51	- 7	WSW	2	r	2	67	51	0.03		
Holyhead ...	29.90	52	SSW	4	f	29.98	+ .11	51	51	- 1	SSW	1	rm	3	55	49	0.08		
Parsonstown ...	29.90	61	SW	2	b	29.97	+ .20	57	54	- 1	SW	1	c	*	64	50	-		
Valencia ...	29.92	58	WSW	5	sm	30.02	+ .20	58	65	+ 1	WSW	3	b	1	62	52	0.12		
Roche's Point...	29.95	61	SW	4	b	30.03	+ .18	56	54	0	Z	0	b	1	65	52	0.14		
Pembroke ...	30.04	57	SW	4	f	30.07	+ .06	57	57	- 3	SW	4	f	5	63	55	-		
Scilly ...	30.08	63	SW	4	m	30.12	+ .04	54	54	- 1	SW	4	f	4	56	53	0.05		
Jersey ...	30.14	57	WNW	3	of	30.15	+ .03	55	55	- 2	SW	2	of	2	65	54	0.01		
ITALY.																			
Hurst Castle ...	30.07	55	WSW	5	of	30.10	+ .02	54	54	0	SW	4	f	3	57	52	0.01		
Dungeness ...	30.05	56	W	4	md	30.07	- .01	52	52	- 2	W	4	f	3	60	51	-		
London ...	30.03	66	SW	4	b	30.06	00	62	59	+ 1	WSW	3	o	*	67	56	-		
Oxford ...	30.00	61	SW	4	o	30.02	00	61	59	+ 3	SW	3	o	*	70	56	-		
Cambridge ...	29.90	66	SSW	3	c	30.03	00	60	60	+ 3	SW	2	o	*	72	53	-		
Yarmouth ...	29.94	69	SW	4	b	30.00	- .04	64	60	+ 2	WSW	4	b	2	71	56	-		
Cuxhaven ...	30.04	59	WNW	1	b	29.96	- .16	61	59	- 1	W	3	o	*	67	59	-		
Berlin ...	30.04	65	SSW	1	b	30.01	- .07	68	60	+ 3	WSW	2	c	*	70	57	-		
Wiesbaden ...	*	*	*	*	*	30.15	00	63	59	+ 1	NW	1	c	*	75	64	-		
Munich ...	30.18	69	Z	0	b	30.23	+ .04	62	57	+ 2	W	3	b	*	70	50	-		
SPAIN.																			
The Helder ...	29.98	58	SW	4	c	30.00	- .06	57	55	0	WSW	3	c	2	64	55	-		
Brussels ...	*	*	*	*	*	30.10	- .03	62	59	+ 3	WSW	4	o	*	72	58	-		
Cape Gris Nez...	30.08	56	WSW	5	o	30.10	- .01	53	53	- 4	SW	4	f	3	63	50	-		
Paris ...	30.13	74	WSW	3	b	30.19	+ .02	64	61	+ 2	Z	0	b	*	78	55	-		
Brest ...	30.16	57	WSW	3	m	30.18	+ .06	59	52	- 5	SW	1	m	3	59	50	-		
Lorient ...	30.18	59	WSW	4	f	30.17	+ .01	57	56	- 1	S	1	m	2	63	52	-		
Rockfort ...	30.23	64	NW	4	b	30.19	- .04	57	57	- 4	WNW	5	f	2	75	62	-		
Belfort ...	30.14	73	NE	1	b	30.18	- .01	67	61	+ 8	SW	1	b	*	73	48	-		
Lyons ...	30.12	?	N	2	?	30.18	+ .03	65	59	+ 3	N	1	o	*	74	58	-		
Nice ...	30.00	70	Z	0	b	30.07	+ .09	72	61	+ 2	S	3	b	0	77	57	-		
Perpignan ...	30.07	78	NW	4	b	30.13	00	73	63	+ 2	WSW	3	b	*	83	63	-		
Biarritz ...	30.19	61	WNW	4	o	30.19	- .03	62	60	+ 2	WNW	3	o	1	68	59	-		
Corunna ...	*	*	*	*	*														
Lisbon ...	29.99	74	SW	7	b	29.99	- .11	73	65	+ 7	NE	4	b	2	86	66	-		

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on WEDNESDAY, 8<sup>th</sup> June.

1887.

## 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.

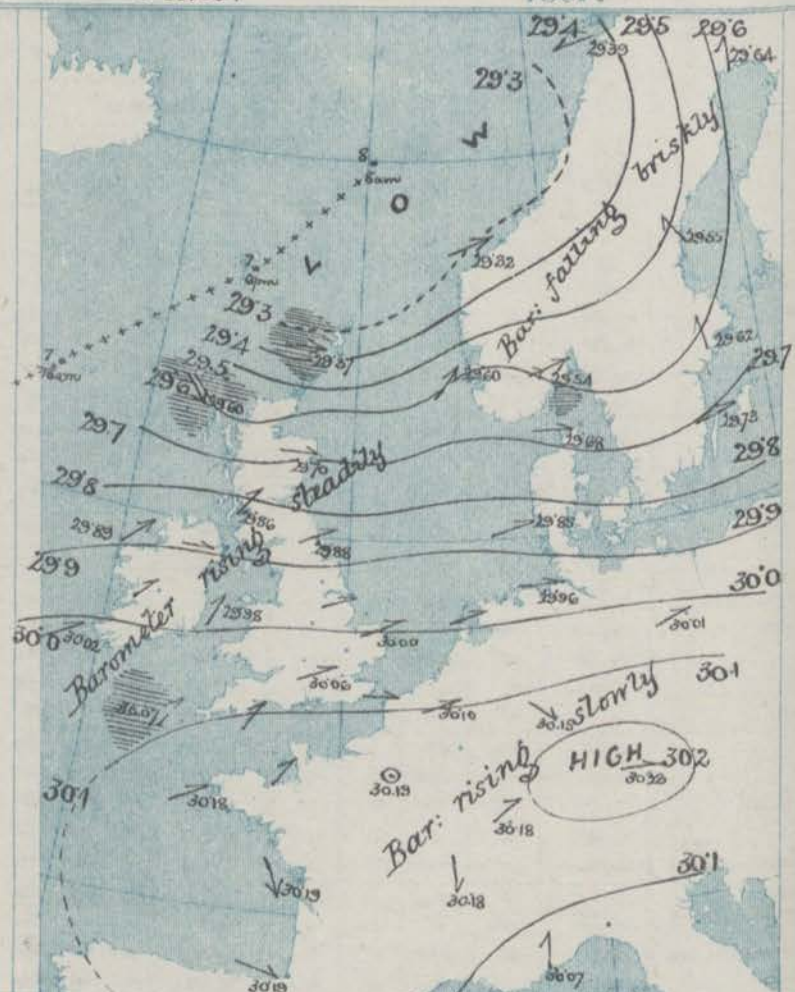
**Sea Disturbance** — where considerable is shown thus

▨ = Rough, ▨ = High.

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of June.  
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.860
Stornoway	29.832
Wick	29.861
Nairn	29.868
Aberdeen	29.876
Leith	29.892
Shields	29.918
York	29.936
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.969
Dover	29.962
LONDON	29.963
Oxford	29.953
Cambridge	29.960
Yarmouth	29.956



## 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.

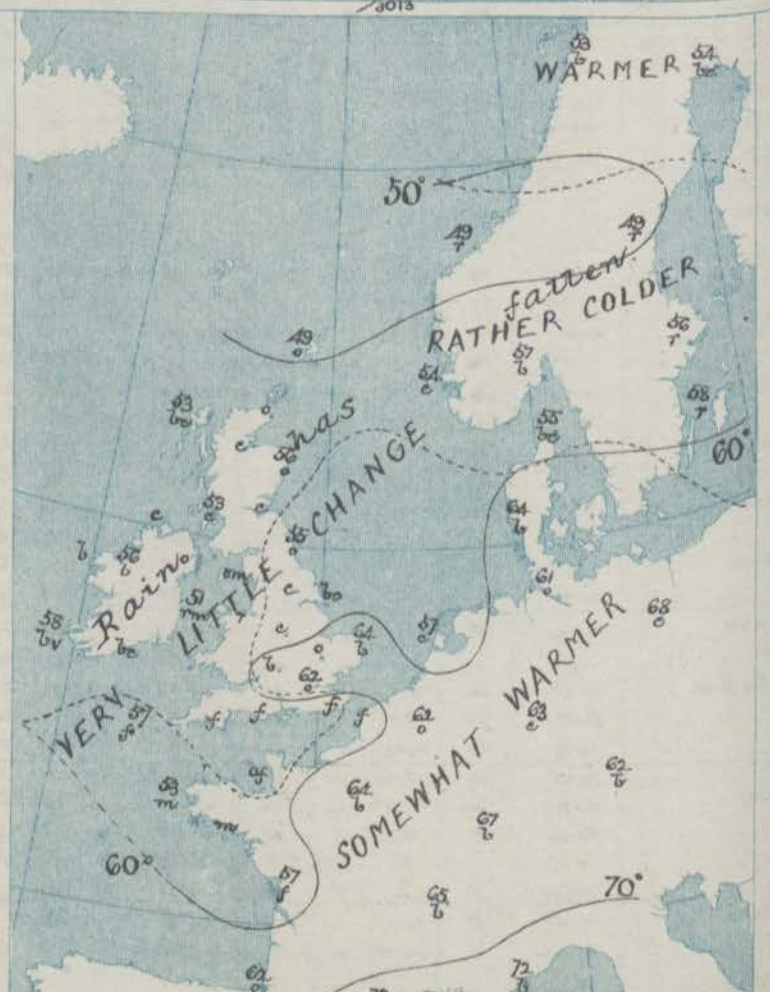
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of June

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	A t 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	54.9	45.5	50.7	49.1	2.07
Stornoway	58.3	46.4	54.2	51.7	2.09
Wick	59.2	46.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	66.5	48.6	56.0	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

Note — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 30 years 1866—85.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.1 ins and more over France, the Bay of Biscay and north-east of Spain.  
Lowest, 29.3 ins to the northward of the Shetlands and eastward of Norway.  
Gradients slight in the south, moderate in the north; Barometer rising in our islands, most in the north, falling over the north of Norway.

## TEMPERATURE

Highest, 73° at Lisbon and Perpignan, 72° at Nice, 64° at Paris and Harwich, 63° at Cambridge and 62° in London.  
Lowest, 49° at Heroussand, Christiansund and Lumburgh Head.  
Its distribution is more regular than of late.

## WIND

SW<sup>ly</sup> to W<sup>ly</sup> — moderate to fresh over the British Islands.  
Strong to a moderate gale over the southern parts of Scandinavia — light and variable over France.  
SE<sup>ly</sup> and E<sup>ly</sup> breezes prevail over the north of Scandinavia.

## WEATHER

Fine and bright over France and Germany — very foggy over the Channel and Bay and Biscay — cloudy and slightly showery in our islands — rainy over the southern half of Scandinavia.

## SEA

Rough in the far north — moderate to slight in the Channel, smooth or nearly so elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The second high-pressure area noticed in the far north yesterday has given way. The depression in the north is passing away to the north-eastward. Small shallow local disturbances are found over the British Islands causing a large amount of cloud and local showers, but there is no indication of the advance of any new large depression at present.

## FORECASTS

for the 24 hours ending at NOON on 9<sup>th</sup> June 1887.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	W <sup>ly</sup> breezes, fresh to moderate, cloudy, some showers.
1	SCOTLAND EAST	D° ————— D°
2	ENGLAND N.E.	Same as N° 5.
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	Same as N° 5.
5	ENGLAND SOUTH	SW <sup>ly</sup> and W <sup>ly</sup> breezes, changeable, some rain then fine, clear at night

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	SW <sup>ly</sup> breezes, moderate, some showers.
7	ENGLAND N.W.	D° ————— D°
8	ENGLAND S.W.	SW <sup>ly</sup> breezes, fresh, showery to fair.
9	IRELAND NORTH	D° ————— D°
10	IRELAND SOUTH	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.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudeanaes ...	29.81	55	54	S	4	0	3	Holyhead ...	29.87	53	53	SSW	5	mq	4
Sumburgh Head ...	29.49	51	50	SE	2	mp	3	Valencia ...	29.95	62	58	SW	5	bey	5
Stornoway ...	29.38	52	52	SW	2	ow	3	Scilly ...	30.04	60	57	SW	4	cm	5
Aberdeen ...	29.57	59	56	S	5	cp	2	Dungeness ...	30.07	59	57	W	3	c	2
Shields ...	29.77	61	55	S	7	c	2	London ...	30.03	65	60	SW	4	o	*
Ardrossan ...	29.69	56	54	SW	4	b	3	Yarmouth ...	29.97	62	58	SSW	4	bc	3
Malin Head ...	29.66	56	54	W	4	o	4	Jersey ...	30.13	63	60	SW	2	o	2
Mullaghmore ...	29.78	58	54	WSW	5	c	5	Rocheport ...	30.24	68	62	NW	5	b	2
Belmullet ...	29.80	59	55	N	7	c	*								

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

The continental reports for yesterday morning showed that while the highest pressures (30.1 mm. and upwards) were found in an anticyclone lying over France and the north of Spain a long band of relatively high readings (29.9 mm. and upwards) extended thence across Germany and Austria to Central Russia. The lowest readings (29.5 mm. and less) were found in a well marked depression, the centre of which lay off the west of Scotland, but another disturbance, with readings below 29.8 mm., existed over the Gulf of Bothnia. The wind was SW. or S. over the British Islands and strong in force in Ireland, but elsewhere it was light and very variable. Over Finland & the Gulf of Bothnia, however, it circulated round the depression mentioned above. The weather was fair over the greater part of the Continent, but in our islands showers were reported locally. Temperature had fallen a little in Scandinavia, Germany, Austria, Spain and the east of France, but risen in most other countries; readings, which were very irregularly distributed, were above 55° at all but the eastern & northern stations and above 70° at several of the Algerian, Italian and Mediterranean stations. The highest individual readings were 79° at Bistra, 77° at Cagliari, 74° at Palma, 73° at Brindisi and 72° at Algiers, Corunna and Barcelona; the lowest were 39° at Archangel, 46° at Rode, 50° at Christiansund & Sumburgh Head and 51° at St. Peterburgh.

In the course of the day the depression to the northwestward of our islands travelled northeastward and the wind on our western coasts veered to W., while the weather improved at all but the extreme northern stations. The highest points reached by the thermometer were 72° at Loughboro' & Cambridge, 71° at Yarmouth & 70° at Sumburgh Head, York & Oxford.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Thursday 9th June

1887.

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

Issued by the Meteorological Office, No. Victoria Street, London, E.C. 1, Secretary.

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.			Weather.	BAROMETER.		SHADE TEMP.			WIND.			Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.
			Dirac.	Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)	Max.			Min.		
SCANDINAVIA.																			
Haparanda ...	29.34	53	2	0	bc	29.25	- .39	55	?	+ 1	2	0	0	*	*	61	43	0.63	
Hernösand ...	29.25	51	2	0	f	29.25	- .30	57	53	+ 8	NW	2	0	*	*	59	45	0.28	
Stockholm ...	29.10	58	SSW	4	0	29.50	- .12	58	51	+ 2	W	8	0	*	*	66	54	—	
Wisby ...	29.65	55	W	4	bc	29.66	- .07	55	48	- 3	W	6	0	*	*	72	50	—	
Bodö ...	29.27	54	ENE	4	c	29.28	- .11	54	49	+ 1	ESE	2	0	1	59	48	—		
Christiansund ...	29.25	51	ESE	1	r	29.36	+ .04	45	44	- 4	WSW	8	r	2	54	45	0.20		
Skudesnaes ...	29.69	52	W	6	0	29.64	+ .04	53	50	- 1	WSW	4	r	4	54	52	—		
Christiania Fjord (Fæder)	29.53	55	SW	6	bc	29.57	+ .03	55	51	- 2	SW	8	0	5	57	52	—		
Skagen (The Scaw)	29.69	53	WNW	6	b	29.73	+ .05	56	53	+ 1	W	4	bc	3	59	48	—		
Fanö ...	29.98	54	W	6	b	29.93	+ .08	63	58	- 1	WSW	6	0	*	66	54	—		
BRITISH ISLANDS.																			
Sumburgh Head	29.54	48	W	5	0	29.56	+ .19	48	47	- 1	WNW	1	r	3	52	45	0.07		
Stornoway ...	29.68	58	W	5	cpg	29.66	+ .06	53	52	0	W	4	0	5	59	48	0.18		
Wick ...	29.68	58	W	7	c	29.68	+ .06	51	50	- 1	NW	4	cp	2	63	46	0.25		
Nairn ...	29.77	53	W	3	c	29.71	+ .04	52	51	- 3	W	1	0	1	64	50	0.07		
Aberdeen ...	29.76	62	W	3	bc	29.74	+ .04	59	51	+ 3	W	4	bc	1	69	50	—		
Leith ...	29.86	61	W	4	c	29.84	+ .04	58	52	- 1	W	5	cp	*	65	52	—		
Shields ...	29.92	66	W	3	bc	29.93	+ .05	54	52	- 1	SW	2	op	2	66	51	0.01		
Spurn Head ...	29.98	61	W	2	b	30.03	+ .07	58	55	0	W	4	0	2	65	51	0.01		
York ...	29.99	63	W	3	b	30.02	+ .07	56	53	- 2	WSW	4	0	*	67	52	0.01		
Loughborough	30.02	66	WNW	3	c	30.11	+ .12	61	56	+ 2	W	4	0	*	69	51	0.01		
GERMANY.																			
Ardrossan ...	29.89	57	SSE	1	bc	29.92	+ .06	54	51	+ 1	WSW	5	pg	4	59	58	—		
Malin Head ...	29.84	57	WSW	3	0	29.94	+ .11	55	53	+ 1	W	4	op	4	61	51	0.12		
Mullaghmore ...	29.92	60	WSW	5	b	30.05	+ .16	55	52	- 1	W	5	0	3	64	52	0.04		
Belmullet ...	29.93	57	SW	5	0	30.09	+ .20	56	53	0	W	5	0	*	59	52	—		
Donaghadee ...	29.98	65	W	4	b	30.02	+ .10	59	55	+ 3	W	4	0	2	69	52	0.09		
Barrow-in-Furness	29.99	56	SW	4	b	30.00	+ .06	54	51	+ 2	SW	5	0	*	58	51	0.02		
Liverpool (Bidston)	30.01	63	W	2	b	30.08	+ .09	57	53	+ 5	WSW	3	0	3	64	52	0.06		
Holyhead ...	30.04	54	SSW	3	b	30.10	+ .12	53	52	+ 2	SW	3	bc	3	59	50	—		
Parsonstown ...	30.02	63	SW	2	bc	30.11	+ .14	58	54	+ 1	SW	2	bc	*	66	52	—		
Valencia ...	30.09	59	SW	5	c	30.24	+ .19	58	56	0	W	4	omv	4	61	54	—		
Roche's Point...	30.11	60	SW	5	b	30.17	+ .14	59	55	+ 3	WSW	4	b	4	61	51	—		
Pembroke ...	30.11	54	WSW	4	bc	30.19	+ .20	53	51	0	W	4	0	4	56	50	—		
Scilly ...	30.15	54	W	2	f	30.25	+ .18	54	54	- 3	WNW	3	af	4	61	49	0.01		
Prawle Point ...	30.15	53	W	3	f	30.24	+ .12	59	58	+ 5	W	2	0	1	60	53	0.01		
Jersey ...	30.19	59	W	2	0	30.25	+ .10	54	54	- 1	W	2	af	2	63	51	—		
Hurst Castle ...	30.12	54	WSW	4	f	30.24	+ .14	57	55	+ 3	WSW	3	0	3	57	49	—		
Dungeness ...	30.07	54	W	5	f	30.15	+ .08	57	54	+ 5	W	3	bc	3	59	52	—		
London ...	30.05	66	SW	3	bc	30.18	+ .12	58	54	- 4	W	3	bc	*	74	49	0.08		
Oxford ...	30.08	59	WSW	4	b	30.19	+ .17	56	53	- 5	W	3	bc	*	69	50	—		
Cambridge ...	30.10	67	NW	1	0	30.13	+ .10	59	55	- 4	SW	2	0	*	71	47	0.02		
Yarmouth ...	30.02	58	NE	1	bc	30.09	+ .09	60	57	- 4	WNW	4	b	2	71	52	0.05		
Cuxhaven ...	30.05	61	WNW	3	c	30.05	+ .09	63	60	+ 2	WSW	3	0	*	64	59	—		
Berlin ...	29.99	69	WNW	2	c	30.06	+ .05	65	60	- 3	W	1	0	*	73	59	—		
Wiesbaden ...	*	*	*	*	*	30.17	+ .02	65	62	+ 2	NW	1	bc	*	77	57	—		
Munich ...	30.20	65	2	0	bc	30.25	+ .02	66	61	+ 4	2	0	bc	*	72	54	—		
FRANCE & NETHERLANDS.																			
The Helder ...	30.03	57	WSW	1	0	30.06	+ .06	57	56	0	SW	1	0	1	61	52	0.04		
Brussels ...	*	*	*	*	*	30.16	+ .06	57	55	- 5	WSW	4	0	*	72	51	—		
Cape Gris Nez...	30.12	52	SW	5	f	30.17	+ .07	50	58	- 3	WSW	5	f	4	55	48	0.04		
Paris ...	30.14	73	WSW	1	bc	30.25	+ .06	59	58	- 5	NNW	3	m	*	81	58	—		
Brest ...	30.21	86	SW	1	m	30.28	+ .10	65	55	+ 2	2	0	0	5	59	52	—		
Lorient ...	30.20	58	W	3	m	30.26	+ .09	59	59	+ 2	N	1	m	3	61	54	—		
Rockefort ...	30.22	64	NW	5	b	30.26	+ .07	65	63	+ 8	NNE	3	0	1	70	55	—		
Belfort ...	30.18	55	E	1	bc	30.20	+ .02	70	65	+ 3	S	1	0	*	82	51	—		
Lyons ...	30.12	75	NNE	1	b	30.19	+ .01	72	65	+ 7	N	1	0	*	79	61	—		
Nice ...	30.07	73	2	0	b	30.13	+ .06	74	63	+ 2	NE	3	0	0	81	63	—		
Perpignan ...	30.10	77	NE	3	b	30.17	+ .04	73	66	0	2	0	0	*	87	60	—		
Biarritz ...	30.15	70	NE	4	b	30.19	.00	63	61	+ 1	WSW	1	0	0	72	61	—		
PENIN. SULA.																			
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	—	
Lisbon ...	29.93	82	NNW	5	b	30.04	+ .05	73	61	0	SW	5	0	2	91	70	—		

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

Thursday, 9<sup>th</sup> June.

1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

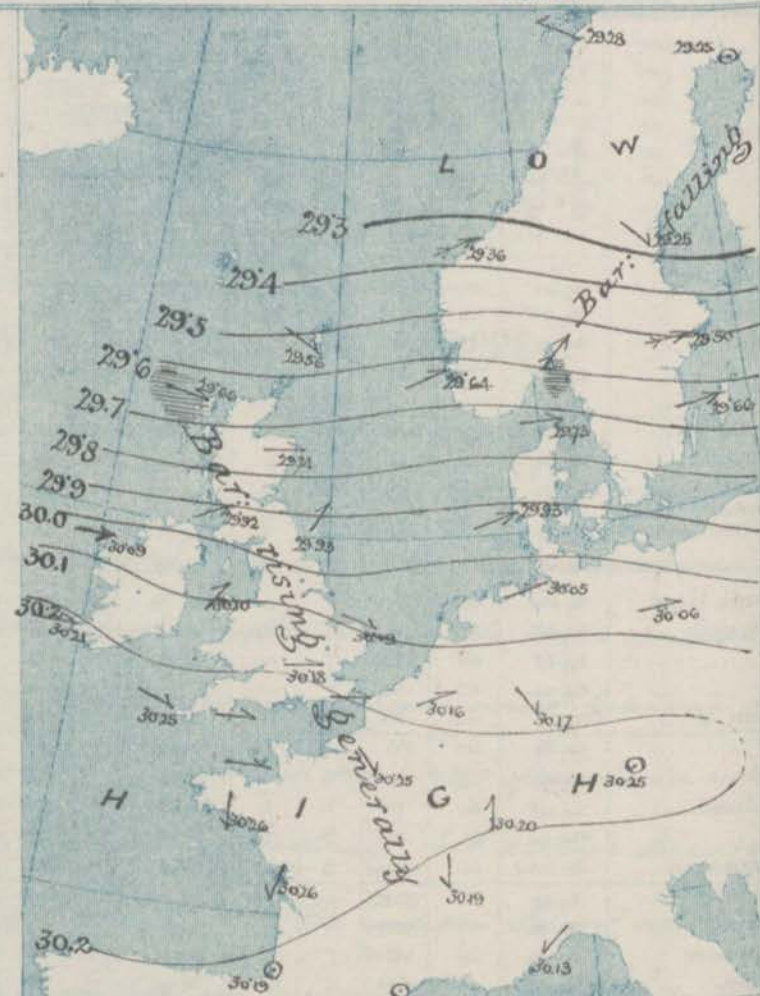
**Barometer** — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 → = forces above 10; → = forces 8 to 10;  
 → = forces 5 to 7; →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

**Sea Disturbance** — where considerable is shown thus  
 [Symbol] = Rough. [Symbol] = High.

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of June.  
 During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.860
Stornoway	29.832
Wick	29.861
Nairn	29.868
Aberdeen	29.876
Leith	29.892
Shields	29.918
York	29.936
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.969
Dover	29.962
LONDON	29.963
Oxford	29.963
Cambridge	29.960
Yarmouth	29.956



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

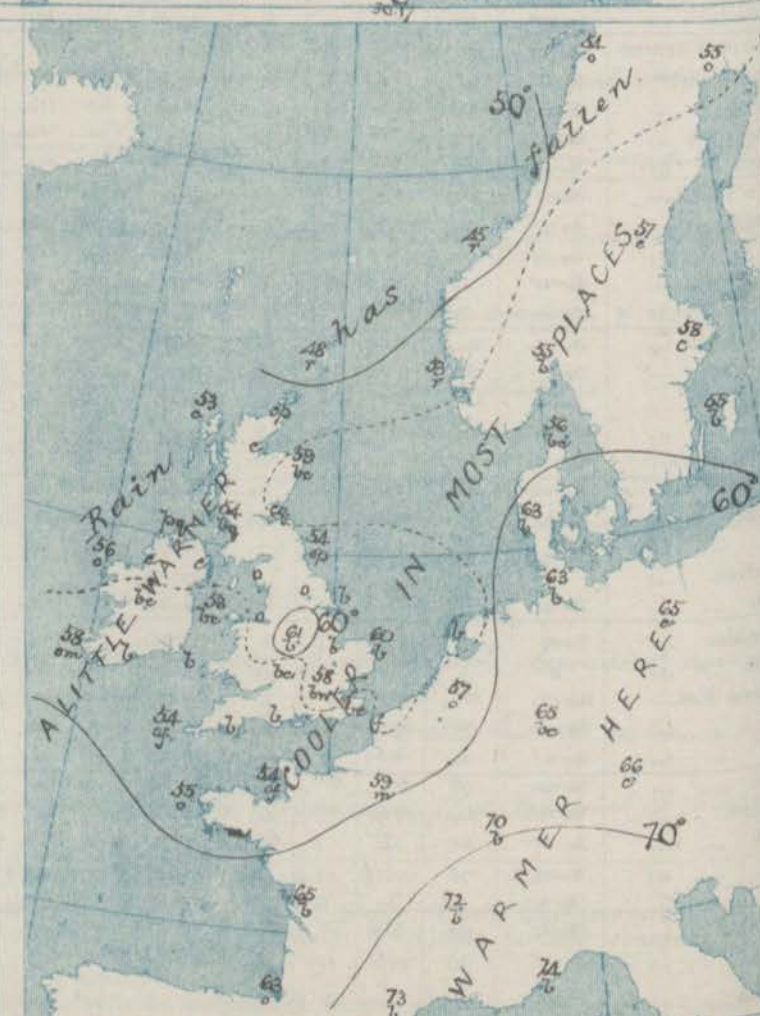
**Temperature** — Isotherms are drawn for each 10° changes since previous morning are stated in words.  
**Weather** is shown by Letters of the Beaufort Scale.  
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, 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	54.9	45.5	50.7	49.1	2.07
Stornoway	53.8	46.4	54.2	51.7	2.99
Wick	59.2	46.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	66.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85





# GENERAL SITUATION AT 8 A.M.

PRESSURE	{ Highest, 30.2 ins and upwards over France, the Bay of Biscay and the southern parts of our islands and Germany. Lowest, 29.3 ins and less over the north of Scandinavia.
TEMPERATURE	{ Highest, 74° at Nice, 73° at Perpignan and Lisbon, 72° at Lyons and 70° at Belfast. Lowest, 45° at Christiansund, 43° at Lumburgh Head, 51° at Wick, 52° at Kairn and 53° at Huddersness.
WIND	{ Light from NE or N over the greater part of France. W or SW elsewhere, moderate or fresh in force generally, but strong to a gale at some of the Scandinavian stations.
WEATHER	{ Rainy in the west of Norway, showery at some of our own northern stations; foggy at the mouth of the Channel. Fine in most other localities, but dull on the west coast of Ireland. [Showers fell yesterday in most parts of the Kingdom.]
SEA	{ Rather rough at Færster (Christiania Fjord) and Hornoway, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression noticed to the westward of Norway yesterday has moved eastwards to the north of Scandinavia, while the shallow subsidiary disturbances over our islands have travelled away over the North Sea. The barometer has consequently risen at all but the Scandinavian stations, and the high-pressure system over France has extended over our southern coasts.

The barometer is at present rising in the west, and the wind there shows no signs of backing. The distribution of pressure is, however, favourable for the advance of depressions from the Atlantic, and the general appearance is not yet settled.

## FORECASTS

for the 24 hours ending at NOON on 10<sup>th</sup> June. 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	W <sup>ly</sup> and SW <sup>ly</sup> winds, moderate, fair generally, but local showers.	6 { SCOTLAND WEST	Same as N° 0.
1 { SCOTLAND EAST	----- D° ----- D° -----	7 { ENGLAND N. W.	Same as N° 0.
2 { ENGLAND N. E.	----- D° ----- D° -----	8 { ENGLAND S. W.	W <sup>ly</sup> to SW <sup>ly</sup> winds, moderate or fresh, fair to cloudy and some rain.
3 { ENGLAND EAST	Same as N° 5.	9 { IRELAND NORTH	----- D° ----- D° -----
4 { MIDLAND COUNTIES	Same as N° 5.	10 { IRELAND SOUTH	----- D° ----- D° -----
5 { ENGLAND SOUTH	W <sup>ly</sup> winds, moderate, fine and warm at first, less settled later.	WARNINGS	
			None issued.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudownaes ...	29.63	54	51	WSW	6	0	4	Holyhead ...	30.03	58	53	SSW	3	b	2
Sumburgh Head ...	29.48	51	50	W	5	0	6	Valencia ...	30.07	61	58	SW	5	c	5
Stornoway ...	29.69	59	56	W	5	bc	5	Scilly ...	30.13	60	57	W	3	c	4
Aberdeen ...	29.74	67	54	WSW	4	b	1	Dungeness ...	30.03	58	56	W	5	f	3
Shields ...	29.91	65	55	W	4	bc	2	London ...	30.04	73	64	WSW	3	ev	*
Ardrossan ...	29.89	58	55	SSW	3	c	2	Yarmouth ...	29.98	71	64	WSW	5	bc	2
Malin Head ...	29.83	59	55	W	3	c	5	Jersey ...	30.19	61	58	WNW	2	0	2
Mullaghmore ...	29.92	62	56	WSW	5	b	4	Rochefort ...	30.24	69	65	NW	4	b	1
Belmullet ...	29.98	69	55	SW	5	bc	*								

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

Yesterday morning reports showed that pressure varied from between 30.1 in. and 30.2 in. over France and the Bay of Biscay and the north of Spain to about 29.3 in. in a depression which lay off the west of Norway and to about 29.3 in. over the southeastern parts of the Mediterranean and also over Central Russia. Thus, while S to W winds prevailed over the Northwestern part of Europe and the British Isles, and blew strongly in Norway N' airs were reported over the Mediterranean and calm over Central Europe. The weather was, in most places, fine, but smart local showers were reported in some parts of the British Isles, and steady rain over the southern part of Scandinavia, and thunderstorms at some of the Mediterranean and Adriatic ports. Temperatures varied from between 70° and 80° over Spain and the Mediterranean to rather below 50° off our northern coasts, and to very little above 40° on the shores of the White Sea. The highest individual values were 81° at Oporto, 77° at Cagliari, Palma, San Fernando, and Oran (Algeria) 72° at Naples and Legna, 69° at Malta, and 68° at Berlin; the lowest were 42° at Archangel, 43° at Hernösand, Christiansund, and Sumburgh Hd., 50° at Stornoway and 51° at Kiel.

Later in the day the weather became close, and over England the thermometer rose to between 70° and 75°; at Wiesbaden it reached 77°, and at Lisbon 91°. After a smart shower or two, however, temperature fell briskly at the English stations and the night was cool and bright, with very heavy dew inland.

### 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 10<sup>th</sup> June

1887.

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

STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	29.25	55	Z	0	o	29.26	+ .01	56	54	+ 1	S	2	b	*	64	45	0.16	
Hernösand ...	29.38	55	Z	0	o	29.46	+ .08	50	45	- 7	NNW	4	r	*	63	48	0.08	
Stockholm ...	29.50	54	SW	2	o	29.50	0.00	48	46	- 10	N	4	r	*	66	?	0.24	
Wisby ...	29.70	60	SW	6	o	29.56	- .10	51	49	- 4	W	4	o	*	60	?	0.28	
Bodö ...	29.34	49	Z	0	r	29.54	+ .20	42	40	- 12	W	6	r	4	54	39	0.22	
Christiansund...	29.65	44	NNW	7	r	29.89	+ .24	40	38	- 5	NNW	8	r	4	45	37	0.43	
Skudesnaes ...	29.76	48	NW	6	o	30.06	+ .30	47	43	- 6	NW	8	c	4	52	?	—	
Christiania Fjord (Furder)	29.48	55	WSW	6	bc	29.74	+ .26	56	46	+ 1	WNW	6	b	3	?	52	0.20	
Skagen (The Scaw)	29.59	52	W	7	bc	29.78	+ .19	55	48	- 1	NNE	3	c	2	61	46	—	
Faenø ...	29.86	53	W	6	c	29.99	+ .13	53	47	- 10	NW	7	c	*	63	50	0.04	
BRITISH ISLANDS.																		
Sumburgh Head	29.89	47	NNW	3	o	30.15	+ .26	49	48	+ 1	NNW	2	o	3	50	44	0.02	
Stornoway ...	30.00	55	NW	3	bc	30.28	+ .28	55	53	+ 2	SW	1	b	1	59	40	—	
Wick ...	30.00	52	N	5	o	30.28	+ .28	57	53	+ 6	N	5	b	3	57	40	0.14	
Nairn ...	30.05	54	NNW	3	o	30.31	+ .26	56	52	+ 4	NNW	2	bc	1	62	41	0.01	
Aberdeen...	30.00	55	NNW	5	bc	30.31	+ .31	58	51	- 1	NNW	3	b	1	66	45	0.04	
Leith ...	30.04	62	W	3	c	30.34	+ .30	61	54	+ 3	NW	1	bm	*	65	46	—	
Shields ...	30.05	63	W	4	bc	30.34	+ .29	52	49	- 2	NNW	2	c	2	64	45	—	
Spurn Head ...	30.09	60	NNW	5	b	30.35	+ .32	55	52	- 3	NNE	3	bc	2	62	49	—	
York ...	30.10	62	W	4	b	30.36	+ .26	56	51	0	NNW	2	b	*	65	46	—	
Loughborough	30.19	64	NNW	4	b	30.37	+ .18	60	54	- 1	NW	2	bc	*	69	48	—	
Ardrossan ...	30.11	56	NNW	6	bc	30.38	+ .27	58	54	+ 4	NNW	3	bc	2	66	47	0.04	
Malin Head ...	30.17	54	NNW	3	o	30.40	+ .23	56	52	+ 1	NNW	2	o	2	57	50	—	
Mullaghmore ...	30.25	57	W	5	c	30.42	+ .17	54	52	- 1	WSW	4	bc	2	59	48	—	
Belmullet ...	30.29	57	NNW	3	bc	30.45	+ .16	56	53	0	SSW	2	c	*	59	48	—	
Donaghadee ...	30.19	59	W	4	c	30.41	+ .22	58	54	- 1	ENE	2	b	0	62	50	—	
Barrow-in-Furness	30.18	54	NNW	4	b	30.35	+ .17	53	51	- 1	NW	3	b	*	59	51	—	
Liverpool (Bidston)	30.18	60	W	5	b	30.40	+ .22	55	51	- 2	NNW	2	c	3	63	50	—	
Holyhead ...	30.21	60	NNW	2	b	30.42	+ .21	60	55	+ 7	NW	1	bm	1	62	49	—	
Parsonstown ...	30.27	61	SW	1	bc	30.43	+ .16	57	52	- 1	Z	0	bc	*	64	42	—	
Valencia ...	30.35	60	NW	3	c	30.46	+ .11	58	56	0	Z	0	bc	1	62	48	—	
GERMANY.																		
Roche's Point...	30.29	61	NNW	3	b	30.46	+ .17	55	53	- 4	NNW	1	b	1	65	50	—	
Pembroke ...	30.27	53	NNW	3	bc	30.41	+ .14	57	55	+ 4	NNE	2	bc	2	57	50	—	
Seilly ...	30.31	59	W	2	b	30.40	+ .09	57	55	+ 3	N	2	c	5	60	49	—	
Prawle Point ...	30.29	58	NNW	2	b	30.39	+ .10	64	58	+ 5	NE	3	b	2	64	57	—	
Jersey ...	30.31	54	NNW	3	c	30.35	+ .04	62	58	+ 8	NE	2	bc	2	62	50	—	
FRANCE & NETHERLANDS.																		
Hurst Castle ...	30.28	53	WSW	3	f	30.39	+ .11	59	56	+ 2	ENE	1	m	1	60	50	—	
Dungeness ...	30.17	59	NNW	5	bc	30.31	+ .14	60	55	+ 3	N	3	bc	2	60	49	—	
London ...	30.19	66	NW	3	c	30.26	+ .07	59	55	+ 1	NNW	1	b	*	71	50	—	
Oxford ...	30.24	60	WSW	2	b	30.29	+ .05	57	52	+ 1	NW	4	bc	*	68	46	—	
Cambridge ...	30.17	64	NW	1	c	30.25	+ .08	59	54	0	N	1	b	*	69	48	—	
Yarmouth ...	30.12	61	NNW	4	bc	30.33	+ .21	57	52	- 3	NNE	3	b	2	69	48	—	
Cuxhaven ...	30.04	55	NNW	6	o	30.08	+ .04	52	52	- 9	NW	7	o	*	64	51	—	
Berlin ...	29.97	67	NNW	4	bc	30.03	- .03	57	50	- 8	NNW	6	c	*	73	55	—	
Wiesbaden ...	*	*	*	*	*	30.27	+ .10	63	55	- 2	NW	4	b	*	79	55	—	
Munich ...	30.21	61	W	2	r	30.27	+ .06	60	58	- 6	NW	4	b	*	77	55	0.16	
ITALY.																		
The Helder ...	30.10	58	WSW	3	b	30.26	+ .16	58	49	- 4	NNW	4	c	3	63	54	—	
Brussels ...	*	*	*	*	*	30.30	+ .14	59	54	+ 2	NNW	1	b	*	71	55	—	
Cape Gris Nez...	30.20	55	WSW	7	bc	30.32	+ .12	57	55	+ 7	NNW	1	b	0	59	50	—	
Paris ...	30.25	69	NW	3	b	30.33	+ .08	57	54	- 2	N	3	b	*	75	48	—	
Brest ...	30.32	51	N	4	m	30.38	+ .06	53	51	- 2	NNE	1	c	2	63	48	—	
Lorient ...	30.29	64	N	3	b	30.37	+ .11	54	52	- 5	ENE	4	b	2	66	50	—	
Rochefort ...	30.25	69	NW	5	b	30.29	+ .03	64	61	- 1	NE	5	b	2	79	57	—	
Belfort ...	30.19	76	W	1	b	30.25	- .05	65	59	- 5	W	1	b	*	83	57	—	
Lyons ...	30.17	78	NNE	3	b	30.25	+ .06	64	59	- 8	NNW	5	b	*	82	61	—	
Nice ...	30.09	74	W	1	b	30.03	- .10	75	64	+ 1	Z	0	b	0	81	66	—	
Perpignan ...	30.13	81	NNW	3	b	30.19	+ .02	74	67	+ 1	W	1	b	*	88	65	—	
Biarritz ...	30.15	72	NNW	4	b	30.23	+ .04	63	62	0	W	5	m	2	75	63	—	
SPAIN.																		
Corunna ...	*	*	*	*	*	30.12	+ .08	76	66	+ 3	Z	0	b	2	84	68	—	
Lisbon ...	30.07	73	NNW	7	b	30.12	+ .08	76	66	+ 3	Z	0	b	2	84	68	—	

For Explanation of Columns, see p. 1.



# WEATHER

for 8 a.m. on

# CHARTS

Friday 10<sup>th</sup> 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 bars and feathers refer to force, thus —

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

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

○ = dead calm.

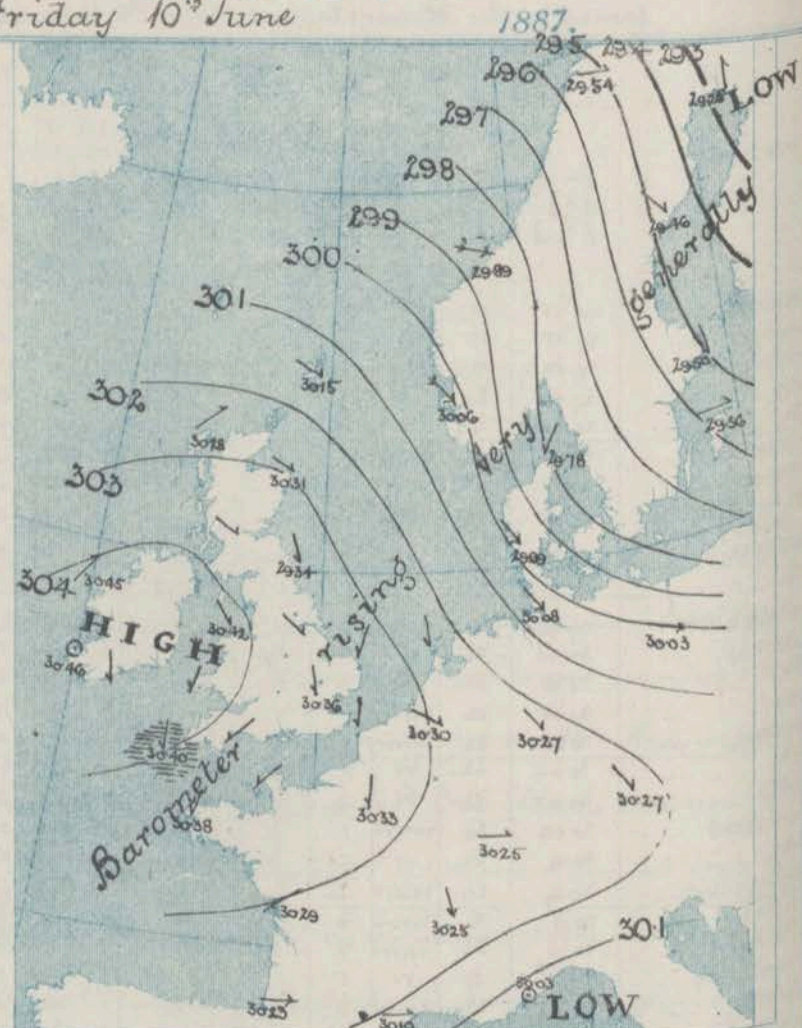
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of June.  
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head.	29.860
Stornoway	29.832
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Nairn	29.868
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Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.969
Dover	29.962
LONDON	29.963
Oxford	29.953
Cambridge	29.960
Yarmouth	29.956



## 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.

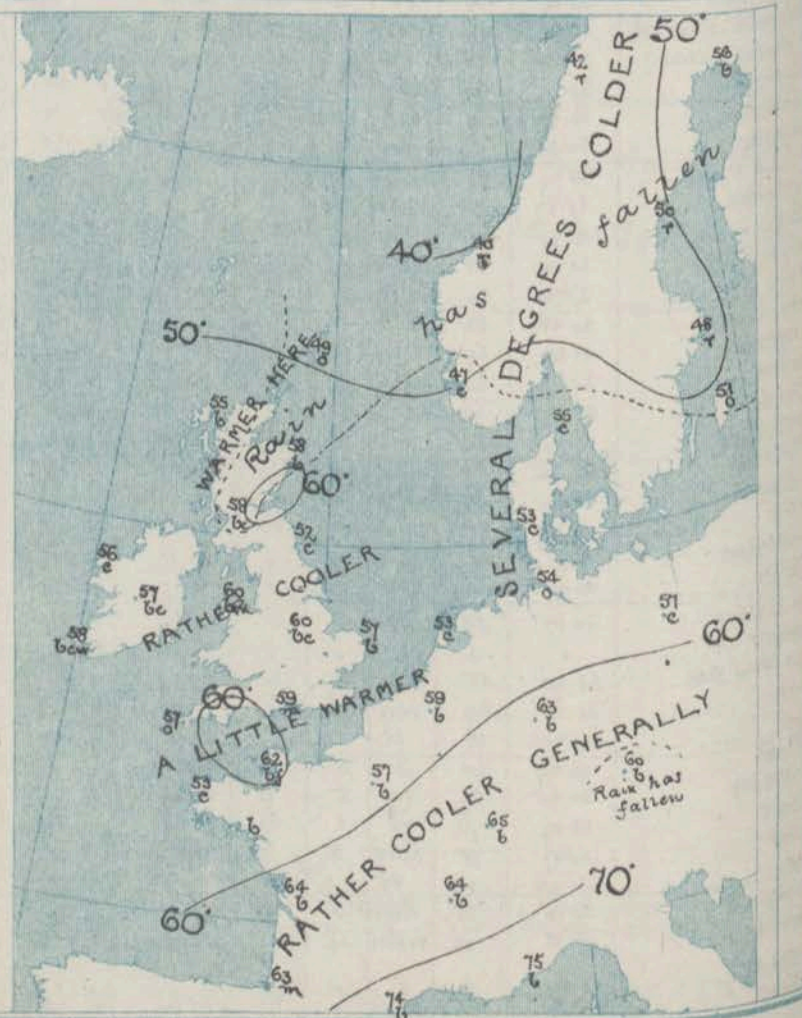
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## 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	54.9	45.5	50.7	49.1	2.07
Stornoway	58.3	46.4	54.2	51.7	2.99
Wick	59.2	46.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	66.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.00
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE — The Temperature means are for the 2 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30 and upwards in an anticyclone, the central portions of which lies over Ireland and Wales. Lowest, 29.3 and less over the northern part of the Gulf of Bothnia.
TEMPERATURE	Highest, 76° at Lisbon, 75° at Nice and 74° at Perpignan; highest in our islands 64° at Pwllheli Point, 62° at Jersey and 61° at Seith. Lowest, 40° at Christiansund, 42° at Rost, 47° at Alusness, 48° at Stockholm and 49° in the Shetlands.
WIND	Slight SW <sup>ly</sup> on our extreme north-western coast; moderate NW <sup>ly</sup> in the eastern parts of Great Britain. Slight NE <sup>ly</sup> over the Channel and Bay of Biscay. Strong to a gale from NW over Scandinavia and Denmark.
WEATHER	Rainy at several of the Swedish stations, but fair or fine elsewhere. Fog is still reported at Jersey, and mist at Hurst Castle. [Showers fell yesterday at most of the Scotch stations.]
SEA	Rather rough at Lundy, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT



In the course of the past twenty-four hours the barometer has risen generally; and, while the low-pressure system noticed over the north of Scandinavia yesterday has travelled away to the eastward, an anticyclone, in which readings exceed 30.4 ins has appeared over Ireland and Wales.

The high-pressure system will probably extend eastwards, and fine weather is therefore likely to continue for a time over the greater part of our islands.

## FORECASTS

For the 24 hours ending at NOON on 11<sup>th</sup> June 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	W <sup>ly</sup> and SW <sup>ly</sup> winds, moderate, fair generally.	6 { SCOTLAND WEST	Same as N <sup>o</sup> 1.
1 { SCOTLAND EAST	NW <sup>ly</sup> winds, light or moderate, fair generally.	7 { ENGLAND N. W.	Same as N <sup>o</sup> 1.
2 { ENGLAND N. E.	----- D <sup>o</sup> ----- D <sup>o</sup> -----	8 { ENGLAND S. W.	Same as N <sup>o</sup> 5.
3 { ENGLAND EAST	N <sup>ly</sup> winds, moderate, fair generally, but local showers.	9 { IRELAND NORTH	Variable breezes, finally S <sup>ly</sup> , fair generally.
4 { MIDLAND COUNTIES	Same as N <sup>o</sup> 5.	10 { IRELAND SOUTH	----- D <sup>o</sup> ----- D <sup>o</sup> -----
5 { ENGLAND SOUTH	N <sup>ly</sup> and NE <sup>ly</sup> winds, moderate, fair generally.		None issued.
		WARNINGS	

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.65	50	48	W 4	r	4	Holyhead ...	30.15	61	55	SW 2	b	2
Sumburgh Head ...	29.75	49	47	NNW 3	o	4	Valencia ...	30.31	62	59	W 3	c	3
Stornoway ...	29.88	58	55	NW 3	b	3	Scilly ...	30.31	60	55	W 2	b	4
Aberdeen ...	29.86	59	55	NNW 4	c	1	Dungeness ...	30.17	59	56	WSW 5	b	4
Shields ...	29.99	62	55	W 5	c	2	London ...	30.19	71	58	W 3	b	*
Ardrossan ...	30.03	58	55	WNW 6	o	4	Yarmouth ...	30.11	66	59	W 4	b	2
Malin Head ...	30.09	56	54	WNW 4	o	4	Jersey ...	30.21	59	57	W 3	b	3
Mullaghmore ...	30.19	58	55	W 6	b	5	Rochefort ...	30.27	75	70	NW 4	b	2
Belmullet ...	30.22	59	55	WNW 3	b	*							

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

Yesterday morning's reports showed that pressure varied from between 30.10 and 30.25 ins. over France, the Bay of Biscay, and the southern parts of our Islands to about 29.5 ins. in the neighbourhood of the Hebrides, and to rather below 29.2 ins. in a depression, the centre of which lay over the Gulf of Bothnia. W<sup>ly</sup> winds of moderate strength were consequently prevalent over Northwestern Europe, and strong W to SW breezes over the Baltic and Gulf of Finland, while in France the wind was light from the N<sup>th</sup>, and in the Mediterranean from NE. The weather was still rather showery in the north but over the greater part of Western and Central Europe it was fair, though cloudy in some localities. Temperature was inclined to fall again over the British Isles and North Germany; at 8 am it varied from a little above 81° at some stations lying in the western part of the Mediterranean to less than 50° in the northwest of Norway. The highest individual values were 81° at Cagliari, 80° at Laghouat (Algeria), 76° at Barcelona, 75° at Brindisi, 73° at Bilbao and Legna, 72° at Palermo and Malta, 71° at Breslau, 66° at Moscow, and 58° at Valencia; the lowest 45° at Christiansund, 48° at Sumburgh Head, 48° at Hangö, 51° at Helsingfors, and 52° at Archangel.

Later in the day the wind veered to NW. over England, with fair, cool, anticyclonic weather, and a good deal of dew fell at the inland stations.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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



# DAILY WEATHER REPORT.

for

Saturday 11<sup>th</sup> June

1887.

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 <sup>h</sup> P. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 6.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 8 <sup>h</sup> 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 ..	Ins.	"				Ins.	Ins.	"	"	"					"	"	Ins.	
Hernösand ...	29.55	47	W	0	c	29.60	+ .14	47	41	- 3	N	8	c	*	55	39	-	
Stockholm ...	29.78	45	NW	4	c	29.73	+ .23	43	40	- 5	NW	6	0	*	59	41	-	
Wisby ...	29.82	49	N	6	b	29.78	+ .22	46	40	- 5	NW	8	b	*	57	?	-	
Bodö ...	29.70	42	NW	6	r	29.85	+ .31	40	38	- 2	NW	6	r	3	45	39	0.35	
Christiansund...	30.08	42	NW	6	s	30.09	+ .20	42	39	+ 2	WSW	4	0	4	45	?	0.12	
Skudesnaes ...	30.20	46	NW	6	c	30.18	+ .12	49	44	+ 2	NW	2	0	4	?	46	-	
Christiania Fjord (Fjorder)	29.92	56	NW	6	b	30.00	+ .26	50	40	- 6	NW	6	b	2	?	46	-	
Skagen (The Seaw)	29.96	53	NW	2	b	30.03	+ .25	50	42	- 5	N	4	bc	3	63	46	-	
Fanö ...	30.20	51	NW	7	c	30.19	+ .20	53	48	0	NW	7	bc	*	55	48	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.25	49	NW	2	0	30.09	- .06	48	48	- 1	SSW	1	r	1	55	46	0.04	
Stornoway ...	30.26	60	SW	1	b	30.07	- .21	56	55	+ 1	W	1	sr	2	62	50	0.20	
Wick ...	30.33	56	NW	3	bc	30.09	- .19	52	52	- 5	S	1	d	1	62	47	0.15	
Nairn ...	30.32	60	W	1	bc	30.14	- .17	56	53	0	WSW	3	c	2	68	50	-	
Aberdeen...	30.33	60	S	2	b	30.17	- .14	54	51	- 4	SSW	3	0	1	64	46	0.02	
Leith ...	30.35	65	W	1	b	30.24	- .10	59	55	- 2	W	3	c	*	70	51	-	
Shields ...	30.38	56	SSW	2	b	30.30	- .04	59	53	+ 7	SW	2	0	2	59	49	-	
Spurn Head ...	30.45	54	ESE	3	b	30.35	- .00	57	53	+ 2	W	3	bc	2	58	49	-	
York ...	30.41	63	SSE	2	c	30.37	+ .01	59	53	+ 3	W	2	b	*	69	54	-	
Loughborough	30.42	66	ESE	1	c	30.40	+ .03	59	55	- 1	W	0	cmw	*	71	44	-	
IRISH ISLANDS.																		
Ardrossan ...	30.37	53	SSW	1	bc	30.28	- .10	54	53	- 4	SSW	2	0	2	62	51	0.02	
Malin Head ...	30.39	56	E	2	0	30.24	- .16	56	54	0	SW	3	0	2	59	54	-	
Mullaghmore ...	30.45	60	NW	2	bc						SW	5	0	*	62	50	-	
Belmullet ...	30.43	57	SW	3	0	30.32	- .13	56	54	0	SW	5	0	*	62	50	-	
Dúnaghadee ...	30.43	56	S	3	bc	30.32	- .09	57	55	- 1	WSW	3	c	1	62	51	-	
SCOTLAND.																		
Barrow-in-Furness	30.42	57	NW	4	b	30.37	+ .02	55	52	+ 2	S	3	bc	*	60	51	-	
Liverpool (Bidston)																		
Holyhead ...	30.46	54	W	0	b	30.40	- .02	57	54	- 3	SSW	3	bc	2	61	49	-	
Parsonstown ...	30.42	68	SW	1	b	30.40	- .03	61	55	+ 4	SW	1	bc	*	69	49	-	
Valencia ...	30.46	62	SW	2	bc	30.42	- .04	58	55	0	SSE	4	0	4	65	53	-	
Roehe's Point...	30.47	59	S	3	b	30.44	- .02	55	54	0	S	1	c	1	61	48	-	
Pembroke ...	30.44	60	NW	2	b	30.43	+ .02	54	51	- 3	NW	1	b	0	62	48	-	
Seilly ...	30.44	58	N	4	b	30.43	+ .03	63	59	+ 6	SE	2	c	4	63	52	-	
Prawle Point ...	30.43	61	WSW	2	b	30.46	+ .07	58	53	- 6	SSW	2	b	1	66	54	-	
Jersey ...	30.42	64	NE	3	b	30.44	+ .09	64	57	+ 2	E	2	bm	2	68	52	-	
ENGLAND.																		
Hurst Castle ...	30.42	60	WSW	2	b	30.48	+ .09	58	55	- 1	SSW	2	b	0	66	45	-	
Dungeness ...	30.42	55	ESE	4	bc	30.45	+ .14	54	49	- 6	N	2	b	1	64	40	-	
London ...	30.44	62	E	2	b	30.45	+ .09	57	51	- 2	WSW	1	bc	*	70	44	-	
Oxford ...	30.44	59	W	0	b	30.43	+ .04	58	55	+ 1	SW	1	bc	*	67	47	-	
Cambridge ...	30.43	64	E	1	b	30.40	+ .05	60	55	+ 1	SW	1	b	*	70	43	-	
WALLES.																		
Yarmouth ...	30.44	57	NNE	3	c	30.38	+ .05	57	53	0	W	3	bc	2	63	44	-	
GERMANY.																		
Cuxhaven ...	30.27	52	NW	7	0	30.27	+ .19	55	52	+ 1	NW	6	bc	*	55	52	-	
Berlin ...	30.14	56	NW	5	bc	30.19	+ .16	52	48	- 5	NW	6	0	*	64	48	-	
Wiesbaden ...						30.43	+ .16	55	48	- 8	N	3	b	*	70	45	-	
Munich ...	30.27	56	NW	1	0	30.39	+ .12	51	46	- 9	NW	3	b	*	66	46	0.08	
FRANCE & NETHERLANDS.																		
The Helder ...	30.42	51	NW	3	c	30.38	+ .12	54	51	+ 1	WSW	1	bc	2	54	50	-	
Brussels ...						30.47	+ .17	54	48	- 5	NW	1	b	*	67	48	-	
Cape Gris Nez...	30.41	53	NNE	5	b	30.41	+ .09	54	52	- 3	W	0	b	0	63	46	-	
Paris ...	30.36	66	NNE	3	b	30.44	+ .11	53	50	- 4	NNE	3	b	*	72	44	-	
Brest ...	30.37	64	NE	5	b	30.43	+ .05	56	50	+ 3	E	4	b	3	72	48	-	
SPAIN.																		
Lorient ...	30.36	64	NNE	5	b	30.43	+ .06	55	52	+ 1	E	3	b	2	72	52	-	
Rochefort ...	30.28	80	NE	5	b	30.36	+ .07	60	57	- 4	ESE	5	b	2	84	54	-	
Belfort ...	30.23	69	N	1	b	30.32	+ .07	57	53	- 8	E	4	b	*	77	46	-	
Lyons ...																		
Nice ...	29.95	74	S	1	bc	29.95	- .08	73	60	- 2	W	0	b	1	82	39	-	
PORTUGAL.																		
Perpignan ...	30.05	84	NE	5	b	30.11	- .08	75	64	+ 1	NW	3	b	*	94	66	-	
Biarritz ...	30.23	64	W	5	m	30.23	+ .05	62	61	- 1	W	4	om	1	66	61	-	
Corunna ...						30.27	+ .06	76	75	+ 3	NE	1	b	0	82	59	-	
Lisbon ...	30.12		NW	5	b	30.08	- .04	73	65	- 3	NE	1	b	2	84	68	-	

For Explanation of Columns, see p. 4.

† Received too late for insertion in charts.



# WEATHER

# CHARTS

for 8 a.m. on Saturday, 11<sup>th</sup> June 1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

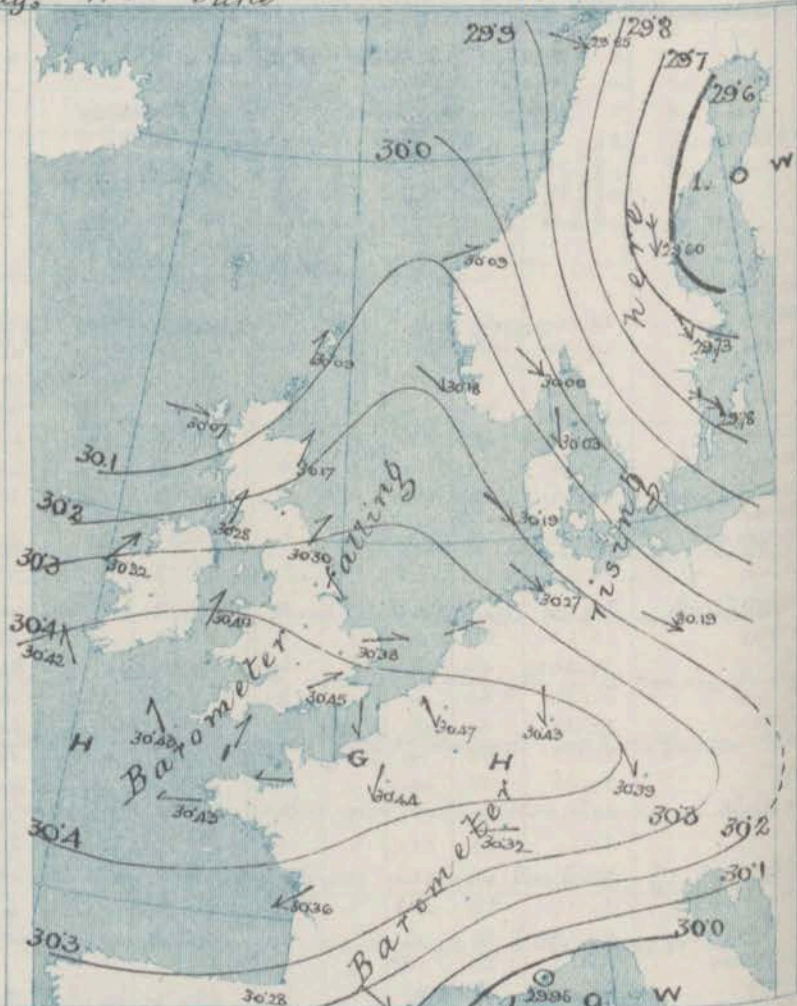
**Barometer** — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 — = forces above 10; — = forces 8 to 10;  
 — = forces 5 to 7; — = 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 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.860
Stornoway	29.832
Wick	29.861
Nairn	29.868
Aberdeen	29.876
Leith	29.892
Shields	29.918
York	29.936
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.969
Dover	29.982
LONDON	29.983
Oxford	29.953
Cambridge	29.960
Yarmouth	29.956



## 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	54.9	45.6	50.7	49.1	2.07
Stornoway	58.3	46.4	54.2	51.7	2.99
Wick	59.2	46.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	60.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	65.1	51.5	56.8	53.6	3.20
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.8	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—83





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.4 in. and upwards, over Belgium, the south of our Islands, and the north of France. Lowest, 29.6 in. and less, over the Gulf of Bothnia, relatively low 30.0 in. and less, over the Gulf of Lyons, 30.1 in. and less, off the N. of Scotland.
TEMPERATURE	Highest, 75° at Perpignan, 73° at Nice and Lisbon, 64° at Jersey, 63° at Scilly, and 61° at Harrogate. Lowest, 40° at Bodo, 42° at Christiansund, and 43° at Stockholm; lowest in our Islands 48° in the Shetlands.
WIND	Light or moderate from the SW <sup>th</sup> over the greater part of our Islands. Strong from NW in Scandinavia, Denmark, and North Germany. Moderate from E. over Central and Western France.
WEATHER	Dull in Scandinavia, Scotland, and the west of Ireland, with rain at Bodo, Lumburgh Hd., Storoway and Wick. Fine in nearly all other localities. [Since yesterday morning, rain has fallen in north and west of Scotland.]
SEA	Moderate at Valencia and Scilly, and also off the west of Norway, but smooth elsewhere.

\* The corresponding value for yesterday (accidentally erased owing to a lithographic defect) should have been 30.4 in.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone noticed yesterday morning over Ireland and Wales subsequently extended eastwards over the United Kingdom, but the system is now moving southwards, and, under the influence of a depression which has appeared off the northwest of Scotland, the barometer is falling over the greater part of our Islands.

The depression in the north will probably move away in a northeasterly direction, but, as the wind at Valencia holds southerly other disturbances are likely to appear in the west shortly, and a gradual extension of cloudy unsettled weather may therefore be expected.

## FORECASTS

For the 24 hours ending at NOON on 12<sup>th</sup> JUNE. 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SW <sup>th</sup> winds, light or moderate, cloudy, some rain.	6 { SCOTLAND WEST	Same as N°0.
1 { SCOTLAND EAST	----- D° ----- D° ----- D° -----	7 { ENGLAND N. W.	SW <sup>th</sup> to S <sup>th</sup> winds, moderate; fine to cloudy and unsettled.
2 { ENGLAND N. E.	Same as N°5.	8 { ENGLAND S. W.	S <sup>th</sup> breezes, moderate; fine to cloudy and unsettled.
3 { ENGLAND EAST	Same as N°5.	9 { IRELAND NORTH	S <sup>th</sup> and SW <sup>th</sup> winds, freshening; cloudy, some rain.
4 { MIDLAND COUNTIES	Same as N°5.	10 { IRELAND SOUTH	----- D° ----- D° ----- D° -----
5 { ENGLAND SOUTH	SW <sup>th</sup> and W <sup>th</sup> winds, light or moderate; fine generally, warmer.	WARNINGS	NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeenæs ...	30.16	48	44	W 8	0	4	Holyhead ...	30.47	58	55	WNW 1	6	1
Sumburgh Head ...	30.23	52	49	WNW 3	6	4	Valencia ...	30.47	65	47	SW 3	6v	3
Stornoway ...	30.26	60	54	SW 1	6	1	Scilly ...	30.48	60	57	WNW 3	6c	4
Aberdeen ...	30.34	59	54	S 3	6c	1	Dungeness ...	30.40	60	55	ENE 4	6c	2
Shields ...	30.40	54	49	E 3	6	3	London ...	30.41	65	55	ENE 3	c	*
Ardrossan ...	30.41	60	56	SW 1	6	1	Yarmouth ...	30.43	68	53	ENE 3	6v	2
Malin Head ...	30.41	57	55	W 2	0	1	Jersey ...	30.40	67	59	ENE 3	6	3
Mullaghmore ...	30.43	60	55	W 2	6v	2	Rochefort ...	30.50	77	70	WNW 4	6	2
Belmullet ...	30.44	60	55	SW 2	6c	*							

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

Yesterday morning's reports showed that pressure varied from 30.4 ins. and more, in an anticyclone lying over Ireland and Wales, to a little below 29.3 ins. in a depression over Finland, and to about 29.9 ins. in another (small) disturbance over the Gulf of Genoa. Thus, NW<sup>2</sup> winds were experienced over the British Isles, the North Sea, Scandinavia, and the western part of the Baltic, accompanied by cloudy weather at the more eastern stations, and some showers over the Baltic, but by fine dry weather over the British Isles. In the Channel and France the wind was NE<sup>1</sup> and the weather dry. Temperature had changed rather irregularly, but on the whole had decreased slightly, and varied from between 70° or 80° over the western part of the Mediterranean to about 40° in the west of Norway. The highest individual values were 87° at Barcelona, 84° at Lette, 79° at Cagliari, Sicily, and San Fernando, 77° at Palermo, 75° at Valencia, Livorno, Lisbon, and Trieste, 72° at Malta, Naples, and Odessa, and 70° at Pescara; the lowest were 33° at Christiansund, 42° at Bodø, 47° at Skudeenæs, 48° at Stockholm and Hangö and 50° at Helsingfors.

During the day the anticyclone in the west spread eastward over England to the Netherlands, with continued fine (but not very warm) weather, but the wind began to back to the S<sup>2</sup> in Ireland and Scotland, and the barometer began to fall there.

### 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 12<sup>th</sup> June 1887.  
Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.																		
STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.	
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer.  Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.		WIND.	Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.			
			Dir.	Force. (0 to 12.)				Dry.	Wet.				Max.	Min.				
<b>SCANDINAVIA.</b>																		
Haparanda ..	29.35	50	N	6	r	29.39		48	46		N	6	r	*	59	45	0.16	
Hernösand ...	29.4	47	N	6	bc	29.63	+ .03	48	41	+ 1	NNW	4	b	*	57	43	—	
Stockholm ...	29.78	49	L	0	o	29.75	+ .02	48	44	+ 5	WNW	2	b	*	54	39	—	
Wisby ...	29.80	51	E	4	o	29.78	— .00	48	45	+ 2	WNN	4	b	*	58	45	—	
Bodö ...	29.80	41	W	4	o	29.73	— .12	42	40	+ 2	NNW	4	c	2	43	37	—	
Christiansund...	29.93	46	E	2	c	29.79	— .30	49	43	+ 7	ESE	2	c	2	?	41	—	
Skadesnaes ...	29.93	47	SSE	2	o	29.83	— .35	53	51	+ 4	SSE	1	o	2	?	46	—	
Christiania Fjord (Fjorder) ...	29.82	56	S	4	bc	29.80	— .20	50	41	0	NE	2	b	1	57	48	—	
Skagen (The Scaw) Faro ...	29.85	51	WNW	3	o	29.77	— .26	54	49	+ 4	N	1	bc	0	57	45	—	
Faro ...	29.94	51	WSW	4	r	29.99	— .20	53	53	0	W	4	c	*	59	50	0.28	
<b>BRITISH ISLANDS.</b>																		
Sumburgh Head	29.87	51	W	3	r	29.80	— .29	50	50	+ 2	SW	1	r	2	53	46	0.35	
Stornoway ...	29.95	55	W	1	og	29.77	— .30	56	55	0	W	1	o	3	57	52	0.18	
Wick ...	29.94	56	NNW	2	c	29.81	— .28	55	55	+ 3	S	1	r	0	61	47	0.22	
Nairn ...	30.01	58	WSW	3	c	29.88	— .26	58	55	+ 2	SW	3	r	2	62	52	—	
Aberdeen ...	30.00	60	W	2	p	29.93	— .24	58	56	+ 4	SSW	2	p	1	64	51	0.10	
Leith ...	30.10	63	W	1	o	30.00	— .24	57	55	— 2	W	3	o	*	63	54	—	
Shields ...	30.17	61	SW	4	o	30.04	— .26	59	57	0	SW	2	og	2	67	42	—	
Spurn Head ...	30.20	62	WNW	4	c	30.11	— .24	58	55	+ 1	W	4	c	3	66	55	—	
York ...	30.23	60	W	3	o	30.12	— .25	60	57	+ 1	W	2	c	*	69	54	0.05	
Loughborough ...	30.25	67	W	3	o	30.18	— .22	60	59	+ 1	W	1	o	*	74	54	—	
<b>GERMANY.</b>																		
Androssan ...	30.16	56	SW	4	o	30.03	— .25	55	53	+ 1	SSW	4	o	3	57	51	0.04	
Malin Head ...	30.16	54	WSW	4	od	29.99	— .25	53	53	— 1	W	4	og	4	58	54	0.06	
Mullaghmore ...	30.23	59	SW	4	om	30.08	— .24	60	56	+ 3	WSW	6	bc	5	61	55	—	
Belmullet ...	30.24	57	SSW	3	o	30.10	— .22	55	55	— 1	SW	5	c	*	58	54	—	
Donaghadee ...	30.22	63	NNW	2	c	30.09	— .23	58	56	+ 1	W	3	c	1	65	55	—	
<b>IRELAND.</b>																		
Barrow-in-Furness	30.22	56	WSW	6	o	30.13	— .22	55	54	0	SW	4	o	*	59	53	—	
Liverpool (Bidston)	30.25	62	WSW	2	c	30.16	— .23	60	56	— 2	WSW	2	o	2	66	55	—	
Holyhead ...	30.27	54	SSW	4	c	30.18	— .22	60	57	+ 3	SSW	1	bc	1	61	51	—	
Parsonstown ...	30.29	63	W	1	o	30.20	— .20	59	56	— 2	SW	1	og	*	69	54	—	
Valencia ...	30.34	58	SW	3	om	30.23	— .19	57	56	— 1	SSW	4	om	4	61	55	—	
Roche's Point...	30.33	60	SW	4	bc	30.24	— .20	59	55	+ 4	WSW	3	b	3	62	52	—	
Pembroke ...	30.34	53	WSW	2	bc	30.25	— .18	53	53	— 1	SW	2	cm	1	58	52	—	
Scilly ...	30.37	63	WNW	1	bc	30.28	— .15	63	59	0	L	0	bc	2	67	51	—	
Prawle Point ...	30.37	59	WSW	3	bc	30.29	— .17	58	55	0	W	3	b	2	62	51	—	
Jersey ...	30.38	62	NNW	3	bm	30.29	— .15	61	55	— 3	W	2	bm	2	70	47	—	
<b>FRANCE &amp; NETHERLANDS.</b>																		
Hurst Castle ...	30.35	59	WSW	2	b	30.25	— .23	60	56	+ 2	WSW	3	b	1	61	52	—	
Dungeness ...	30.32	56	WSW	4	bc	30.21	— .24	56	54	+ 2	W	2	c	2	60	50	—	
London ...	30.29	70	W	2	bc	30.21	— .24	63	56	+ 6	N	1	b	*	74	50	—	
Oxford ...	30.27	60	WSW	2	c	30.21	— .22	58	54	0	WSW	1	c	*	72	51	—	
Cambridge ...	30.24	65	SW	1	o	30.17	— .23	63	57	+ 3	WSW	1	o	*	74	51	—	
<b>GERMANY.</b>																		
Cuxhaven ...	30.24	62	SE	2	b	30.14	— .24	62	58	+ 5	WNW	3	bc	2	69	54	—	
Berlin ...	30.20	52	WNW	4	o	29.98	— .29	56	52	+ 1	W	4	o	*	59	?	0.12	
Wiesbaden ...	30.12	50	WNW	3	c	29.92	— .27	53	51	+ 1	WNW	4	r	*	61	52	0.20	
Munich ...	*	*	*	*	*	30.21	— .22	58	53	+ 3	NE	3	o	*	68	48	—	
The Helder ...	30.32	54	NW	1	b	30.24	— .15	57	51	+ 6	SW	3	bc	*	61	41	—	
<b>FRANCE &amp; NETHERLANDS.</b>																		
Brussels ...	30.20	56	SW	3	o	30.10	— .28	58	54	+ 4	WNW	3	c	3	61	54	—	
Cape Gris Nes...	*	*	*	*	*	30.18	— .29	59	54	+ 5	WSW	1	o	*	68	52	—	
<b>FRANCE &amp; NETHERLANDS.</b>																		
Paris ...	30.33	67	NNE	1	b	30.29	— .15	59	54	+ 6	L	0	b	*	72	46	—	
Brest ...	30.35	68	N	4	b	30.32	— .11	56	51	0	NE	1	b	2	72	48	—	
Lorient ...	30.36	66	NNW	3	b	30.30	— .13	57	53	+ 2	E	3	b	2	73	54	—	
Rochefort ...	30.31	75	NE	5	b	30.28	— .08	61	55	+ 1	ENE	5	b	2	86	52	—	
Belfort ...	30.25	64	E	3	b	30.22	— .10	62	56	+ 5	E	1	b	*	67	45	—	
Nice ...	30.21	67	N	4	b	30.24	— .19	57	49	— 3	N	4	b	*	72	51	—	
Perpignan ...	30.08	67	L	0	b	30.14	+ .19	70	58	— 3	L	0	b	*	79	57	—	
<b>FRANCE &amp; NETHERLANDS.</b>																		
Biarritz ...	30.10	80	NNW	4	b	30.15	+ .04	69	61	— 6	L	0	b	*	85	64	—	
Coranna ...	30.21	67	W	5	b	30.19	— .09	63	58	+ 1	WSW	4	b	2	70	59	—	
<b>FRANCE &amp; NETHERLANDS.</b>																		
Lisbon ...	29.97	82	NNW	5	bc	29.99	— .09	74	68	+ 1	NNE	4	b	2	90	68	0.04	

For Explanation of Columns, see p. 1.



# WEATHER

for 8 a.m. on

# CHARTS

Sunday 12<sup>th</sup> June

1887.

## 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.

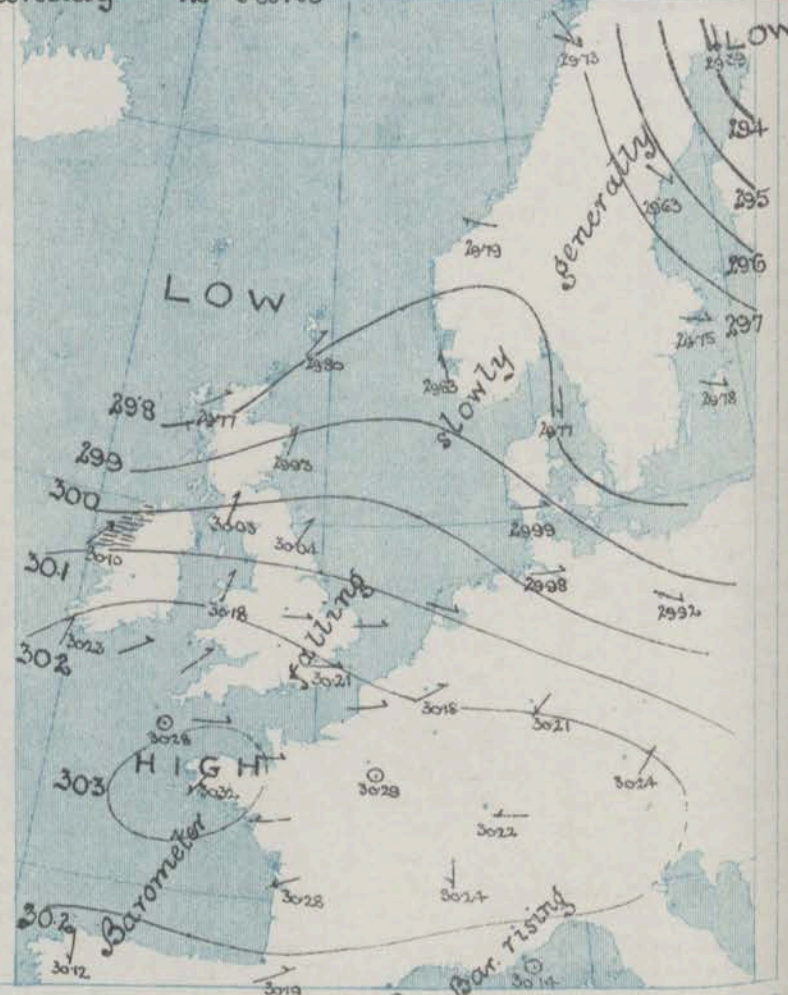
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of June.  
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.860
Stornoway	29.832
Wick	29.861
Nairn	29.868
Aberdeen	29.876
Leith	29.892
Shields	29.918
York	29.936
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.989
Dover	29.962
LONDON	29.963
Oxford	29.953
Cambridge	29.960
Yarmouth	29.956



## 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.

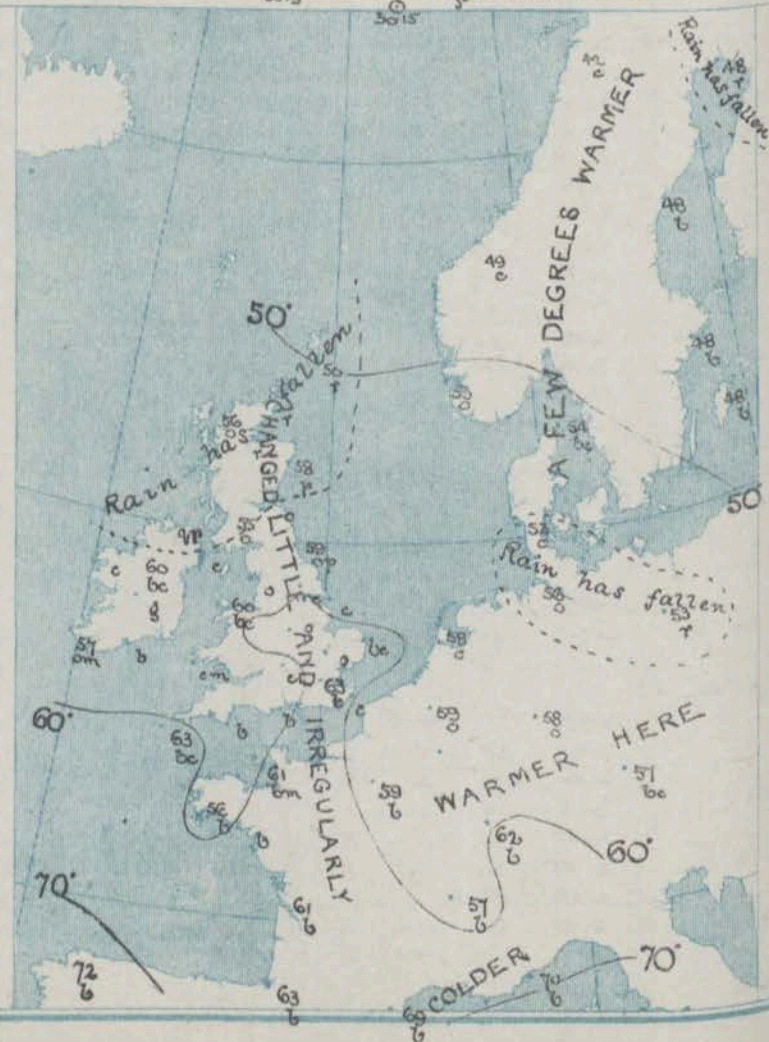
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## 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	54.9	45.5	50.7	49.1	2.07
Stornoway	58.3	46.4	54.2	51.7	2.99
Wick	59.2	46.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	66.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.3 in. and upwards, at the mouth of the English Channel; high 30.2 in. and upwards over France, the Bay of Biscay, and the S. part of the Atlantic; lowest, 29.4 in. and less, over the northern part of the Gulf of Bothnia; relatively low 29.5 in. and less, in the Hebrides.

## TEMPERATURE

Highest, 74° at Dublin, 72° at Corunna, 70° at Nice, 69° at Perpignan, and 68° at Liffey, Cambridge, London and Rheims. Lowest, 42° at Bodo, 48° at all the Swedish stations, 48° at Christiania and 50° at Sumburgh H. and Farsø.

## WIND

SW on our western and northern coasts, W in the east and south, and NW in Scandinavia. NE over the Bay of Biscay and the coast of France. Light or moderate in force generally, but fresh or strong in the north of Ireland.

## WEATHER

Cloud over the northern part of our Islands as well as in Denmark and North Germany, with rain or several of the localities. Fair or fine in nearly all other localities. [Since yesterday rain has fallen in Scotland and the north of Ireland.]

## SEA

Rather rough at Mullaghmore, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general distribution of pressure is very similar to that of yesterday, but the barometer has fallen generally - most in the north, and the gradients for SW winds over our western and northern coasts have increased somewhat. Over Spain and the south of France the mercury is now inclined to rise.

## FORECASTS

For the 24 hours ending at NOON on 13<sup>th</sup> June 1887.

### 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.
Skuaeneas ...	30.19	58	48	W 2	0	4	Holyhead ...	30.34	57	54	SSW 4	c	3
Sumburgh Head ...	29.93	52	52	W 2	m	2	Valencia ...	30.58	61	58	SSW 4	c	4
Stornoway ...	29.85	56	56	W 2	opq	2	Scilly ...	30.31	65	58	S 1	bc	4
Aberdeen ...	30.06	61	58	WSW 2	op	1	Dungeness ...	30.40	58	54	WSW 3	b	2
Shields ...	30.19	65	57	SW 3	0	2	London ...	30.35	73	59	W 3	bc	*
Ardrossan ...	30.21	56	54	SSW 4	0	3	Yarmouth ...	30.30	63	59	ENE 3	b	3
Malin Head ...	30.21	55	55	WSW 4	0	3	Jersey ...	30.43	68	58	ENE 3	b	3
Mullaghmore ...	30.28	60	57	WSW 5	om	3	Rocheport ...	30.36	82	67	ENE 5	b	2
Belmullet ...	30.29	58	57	SW 3	0	*							

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

Yesterday morning's reports showed that pressure varied from 30.3 ins: and upwards, in an anticyclone which lay over Western Europe, and the central area of which covered Ireland, England, and the northern half of France, to rather below 29.3 ins: over the eastern part of Lapland, and to somewhat below 29.3 ins: over the Black Sea, Turkey, Greece, as well as in a small depression which lay between Sardinia and Rome. NW<sup>2</sup> gales and rain prevailed over the Baltic (where the gradients were rather steep), but W and variable breezes of less strength over the British Isles, while NE<sup>3</sup> winds were felt in France, with fair weather. Temperature ranged from between 70° and 77° over the Mediterranean and the Spanish Peninsula to about 40° over several parts of Northern Europe, the thermometric gradient being steepest over the southern departments of France, and Austria. The highest individual values were 78° at Palma and Barcelona, 77° at Algiers, 76° at Corunna and C. Beam, 75° at Perpignan, 73° at Brindisi, Cagliari and Cetta, 72° at Malaga, Palermo, and Madrid, and 70° at Bilbao and Monaco; the lowest were 40° at Rode and Copenhagen, 41° at Christiansund, 43° at Stockholm, 44° at Helsingfors, 48° at St. Petersburg and Odessa.

Later in the day, rain fell over the northern parts of the British Isles, and even in London the sky became nearly overcast in the evening. Temperature, however, rose to between 70° and 74° over our inland countries, while in some of the parts of France it rose to between 86° and 91°, and in Spain and Algeria to between 77° and 87°.

### 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 13<sup>th</sup> June

1887.

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 ..	29.51	50	NW	2	0	29.54	+15	51	49	+3	W	2	0	*	55	43	-		
Hernösand ...	29.65	63	W	0	bc	29.56	-07	54	46	+6	E	2	0	*	64	29	-		
Stockholm ...	29.73	51	SW	2	b	29.63	-12	55	53	+7	S	2	0	*	64	39	-		
Wisby ...	29.80	51	S	4	b	29.74	-04	54	51	+6	W	4	0	*	63	46	-		
Bodo ...	29.70	44	NW	2	c	29.54	-19	45	43	+3	N	4	0	2	45	41	0.04		
Christiansund...	29.64	51	W	2	0	29.46	-33	50	47	+1	W	8	0	3	52	43	0.39		
Skudesnaes ...	29.75	50	SSE	6	T	29.76	-07	53	51	0	W	4	0	3	55	50	-		
Christiania Fjord (Færd)	29.67	57	SSE	4	bc	29.56	-24	56	53	+6	W	8	6	4	59	?	-		
Skagen (The Scaw)	29.74	50	W	4	0	29.66	-11	53	52	-1	W	5	0	3	59	48	-		
Fanø ...	29.89	54	W	4	0	29.88	-11	56	55	+3	W	5	0	*	59	49	-		
BRITISH ISLANDS.																			
Sumburgh Head	29.58	51	W	4	T	29.73	-07	51	51	+1	W	3	0	3	52	47	0.25		
Stornoway ...	29.68	55	W	4	0	29.87	+10	55	51	-1	W	1	0	1	57	49	0.18		
Wick ...	29.73	57	W	2	0	29.86	+05	56	51	+1	W	5	0	2	60	47	0.15		
Nairn ...	29.76	59	W	3	c	29.91	+03	57	52	-1	W	2	0	2	64	51	-		
Aberdeen...	29.80	64	W	3	c	29.91	-02	60	53	+2	W	3	0	1	66	53	0.08		
Leith ...	29.91	62	W	5	bc	29.97	-03	58	53	+1	W	4	0	*	70	56	-		
Shields ...	29.90	70	W	4	b	29.99	-05	62	59	+3	W	3	0	2	70	55	-		
Spurn Head ...	30.05	65	W	3	bc	30.06	-05	61	57	+3	W	4	0	2	66	53	-		
York ...	30.05	65	W	4	b	30.07	-05	63	59	+3	W	2	0	*	69	57	-		
Loughborough	30.10	72	W	3	b	30.14	-04	64	59	+4	W	2	0	*	76	53	-		
GERMANY.																			
Ardrossan ...	29.96	59	W	3	0	30.01	-02	55	53	0	W	1	0	1	60	52	-		
Malin Head ...	29.93	56	W	5	opq	29.98	-01	52	52	-3	W	0	0	2	60	51	0.14		
Mullaghmore ...	30.03	58	W	5	om	30.00	-08	58	57	-2	W	4	0	2	63	56	-		
Belmullet ...	30.05	57	W	3	0	30.01	-09	57	56	+2	W	3	0	*	58	55	0.05		
Donaghadee ...	30.01	70	W	4	b	30.04	-05	62	59	+4	W	4	0	2	73	57	-		
FRANCE & NETHERLANDS.																			
Barrow-in-Furness	30.07	59	W	4	b	30.06	-09	56	55	+1	W	3	0	*	61	55	-		
Liverpool (Bidston)	30.09	68	W	2	b	30.10	-06	64	59	+4	W	1	0	2	68	57	-		
Holyhead ...	30.12	58	W	3	bc	30.11	-07	54	53	-6	W	3	0	2	60	52	-		
Parsonstown ...	30.12	64	W	1	0	30.11	-09	60	57	+1	W	1	0	*	67	56	-		
Valencia ...	30.17	58	W	4	om	30.14	-09	56	55	-1	W	3	0	3	62	54	0.01		
Roche's Point...	30.17	62	W	4	b	30.17	-07	55	53	-4	W	4	0	4	64	52	-		
Pembroke ...	30.18	57	W	2	bc	30.18	-07	53	53	0	W	2	0	2	58	52	-		
Scilly ...	30.23	64	W	1	b	30.19	-09	61	59	+2	W	1	0	3	68	54	-		
Prawle Point ...	30.21	64	W	4	b	30.22	-07	60	56	+2	W	1	0	1	66	57	-		
Jersey ...	30.24	66	W	3	bc	30.21	-08	62	58	+1	W	1	0	1	69	47	-		
Hurst Castle ...	30.18	63	W	3	b	30.21	-04	60	56	0	W	1	0	0	64	48	-		
Dungeness ...	30.13	60	W	4	bc	30.16	-03	59	55	+3	W	3	0	1	61	51	-		
London ...	30.13	74	W	2	b	30.16	-03	64	57	+1	W	1	0	*	77	50	-		
Oxford ...	30.14	62	W	3	b	30.18	-03	61	57	+3	W	1	0	*	73	50	-		
Cambridge ...	30.12	73	W	1	b	30.15	-02	65	60	+2	W	1	0	*	75	49	-		
Yarmouth ...	30.09	62	W	1	b	30.12	-02	67	61	+5	W	3	0	2	68	54	-		
Cuxhaven ...	30.04	53	W	4	c	30.01	+03	63	60	+7	W	4	0	*	63	53	-		
Berlin ...	30.01	56	W	3	0	30.05	+13	60	56	+7	W	2	0	*	61	44	0.39		
Wiesbaden ...	30.21	59	W	0	0	30.24	+03	62	57	+5	W	1	0	*	70	52	-		
Munich ...	30.08	59	W	1	bc	30.08	-02	61	57	+3	W	1	0	2	64	57	-		
The Helder ...	30.16	59	W	5	bc	30.17	-02	61	57	+2	W	3	0	2	73	53	-		
Brussels ...	30.20	68	W	1	b	30.23	-06	60	56	+1	W	0	0	*	63	50	-		
Cape Gris Nez...	30.23	66	W	1	b	30.21	-11	60	53	+4	W	4	0	3	75	48	-		
Brest ...	30.22	65	W	1	b	30.19	-11	59	55	+3	W	3	0	2	72	54	-		
Lorient ...	30.19	74	W	4	b	30.18	-10	66	?	+5	W	4	0	2	90	54	-		
Rochefort ...	30.23	70	W	1	b	30.21	-01	71	59	+9	W	3	0	*	78	47	-		
Belfort ...	30.15	71	W	0	b	30.19	+05	61	52	-4	W	1	0	*	74	?	-		
Lyons ...	30.08	67	W	0	b	30.13	-01	69	59	-3	W	0	0	0	73	55	-		
Nice ...	30.10	75	W	1	b	30.13	-02	68	62	-1	W	0	0	*	80	44	-		
Perpignan ...	30.13	72	W	3	b	30.12	-07	67	52	+4	W	0	0	0	73	61	-		
Biarritz ...	29.97	77	W	5	bc	30.01	+02	71	65	-3	W	4	0	2	86	68	-		
Corunna ...																			
Lisbon ...																			

For Explanation of Columns, see p. 4.

Received too late for insertion in Charles.



# WEATHER CHARTS

for 8 a.m. on Monday 13<sup>th</sup> June

1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

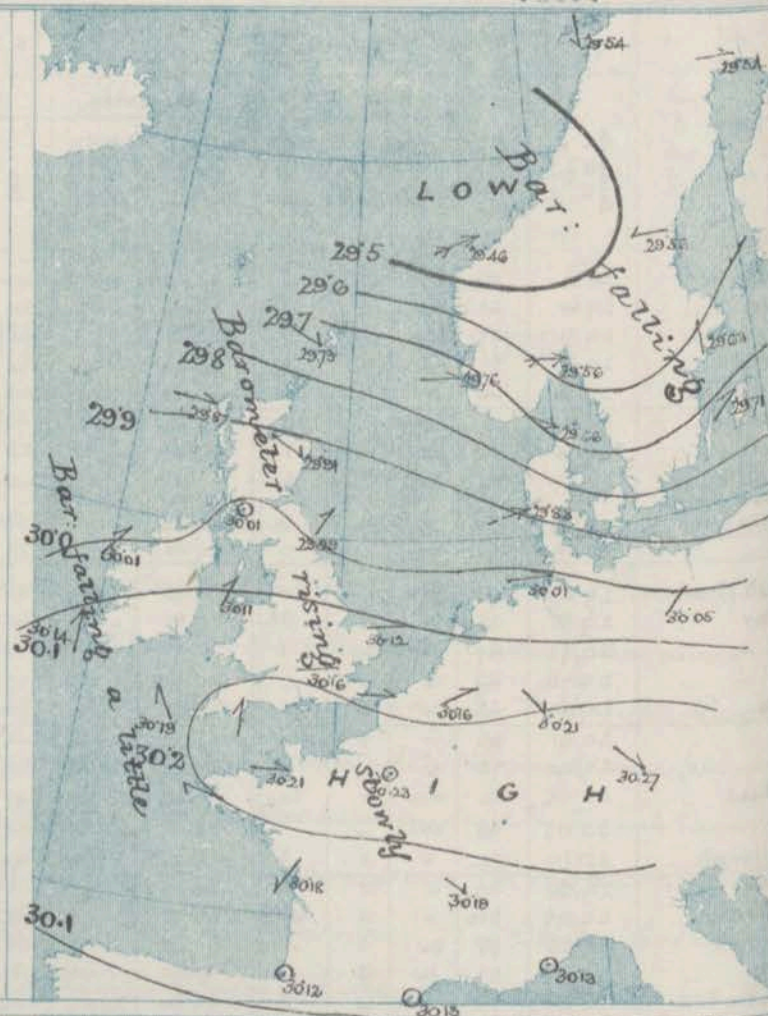
**Barometer** — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 — = forces above 10; — = forces 8 to 10;  
 — = forces 5 to 7; — = 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 10 Years, 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.860
Stornoway	29.832
Wick	29.861
Nairn	29.865
Aberdeen	29.876
Leith	29.892
Shields	29.918
York	29.936
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.969
Dover	29.962
LONDON	29.963
Oxford	29.953
Cambridge	29.960
Yarmouth	29.956



## 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	54.9	45.5	50.7	49.1	2.07
Stornoway	58.3	46.4	54.2	51.7	2.09
Wick	59.2	46.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	60.5	48.6	56.0	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85.





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.2 in: and upwards, in a broad anticyclonic band lying over the Channel, the N. of France and S. Germany. lowest, 29.5 in: and less, in a large depression lying over the northern part of Norway.
TEMPERATURE	Highest, 71° at Lisbon, 68° at Biscayan, 67° at Yarmouth, Biarritz and Nice, 66° at Rochefort, and 65° at Cambridge. lowest, 45° at Bodø, 50° at Christiania, 51° at Haparanda and Lumburg H <sup>ts</sup> , and 52° at Melin H <sup>ts</sup> .
WIND	Light or moderate from S. or SW. on our western coast. Moderate W <sup>ly</sup> in the east of Great Britain; fresh or strong from the same quarter on the eastern shore of the North Sea. Light or moderate from E. or NE. in the west of France; calm in the south of that country.
WEATHER	Dull in Scandinavia, Ireland, and the northwest of England, with drizzling rain at Melin H <sup>ts</sup> . Fair or fine in all other parts of Western Europe. [Rain fell yesterday over the northern part of Scotland and Ireland.]
SEA	Moderate at Rochefort, and also in the Christiania Fjord, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT



The depression which lay to the northward of Scotland yesterday has travelled away to Norway, and a slight recovery of pressure has set in over the whole of Great Britain. Elsewhere, however, the mercury continues to fall, and a further reduction is noticeable in the height of the anticyclone over our southern coasts.

There is at present no sign of any very decided change in the weather, but a small shallow depression which is now lying off the northwest of Ireland may possibly move eastwards, and occasion slight rain at some of our more northern stations.

## FORECASTS

For the 24 hours ending at NOON on 14<sup>th</sup> June 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W <sup>ly</sup> winds, moderate; fair generally, but perhaps local showers.	6 SCOTLAND WEST	SW <sup>ly</sup> winds, light or moderate; dull, slight rain locally.
1 SCOTLAND EAST	-----D°-----D°-----D°-----	7 ENGLAND N. W.	-----D°-----D°-----D°-----
2 ENGLAND N. E.	W <sup>ly</sup> winds, moderate; fair to dull and unsettled.	8 ENGLAND S. W.	S <sup>ly</sup> and SW <sup>ly</sup> winds, light; fair generally.
3 ENGLAND EAST	Same as N° 5.	9 IRELAND NORTH	SW <sup>ly</sup> and W <sup>ly</sup> winds, moderate; dull, rain locally.
4 MIDLAND COUNTIES	Same as N° 5.	10 IRELAND SOUTH	-----D°-----D°-----D°-----
5 ENGLAND SOUTH	W <sup>ly</sup> breezes, light; fine, warm.		
		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 ...	29.85	55	52	W/W 1	0	3	Holyhead ...						
Sumburgh Head							Valencia ...						
Sornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rocheport ...	30.25	87	68	E NE 5	0	2
Belmullet ...													

## 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 and 30.3 ins in a large anticyclone which covered Ireland, England, Denmark and the Bay of Biscay, and the central area of which lay over Brittany to about 29.3 ins in a depression lying over the east of Scotland. The gradients were slight over our neighbourhood, but moderate over Sweden and Finland and were favourable for W. winds, while over southern Europe the gradients were exceedingly slight and favourable for E. winds. The winds recorded agreed with these conditions, being chiefly W. over the north western and northern coasts, light over our islands, but strong over the Gulf of Bothnia and Finland, while in France and the Mediterranean they were very light from E. The weather was very fine over Ireland, England and France, but rain had fallen in many parts of Scotland, as well as over Germany, Scandinavia and Northern Russia. Temperature varied from between 70° and 80° over the Mediterranean and Spain, to between 40° and 50° over Scandinavia and Northern and Western Russia. The highest individual values were 83° at Oporto, 81° at Cagliari, 79° at Biskra (Algeria), 78° at Cape Baer, 75° at San Fernando, 73° at Brindisi and Barcelona, 72° at Malta, Bilbao and Ceta, and about 70° at Croisette, Nice and Langunnaire; the lowest were 42° at Rodez, 47° at Haparanda and St. Petersburg, 48° at Helsingfors, 49° at Archangel, and 49° at Lemberg.

Throughout the day the weather remained very fine over Western Europe and the thermometer rose to between 70° and 77° over England, to 86° at Lisbon, and to 90° at Rochefort. The barometer, however, was falling generally, but not quickly and slight disturbances in the north-west and north, caused a continuance of showers in those regions and in Germany.

## SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD.

FROM THE 5<sup>TH</sup> TO THE 11<sup>TH</sup> JUNE 1887.

During this period the weather over the British Islands and their neighbourhood has been finer than for some time past, and temperature has risen to a higher level than any previously recorded this season.

From the 5<sup>th</sup> to the 9<sup>th</sup> an area of high barometric readings lay over France, the Bay of Biscay and the north of Spain, while a series of depression systems moved north-eastwards along our western and northern coasts. These disturbances were, as a rule, of little importance, but on the 7<sup>th</sup> a somewhat deep depression skirted the coast of Scotland and occasioned a considerable increase of wind from between S.W. in all the more western and northern parts of the Kingdom, with rain at most stations. In the rear of this system some shallow subsidiary disturbances passed eastwards across our islands on the 8<sup>th</sup> producing heavy showers in several places.

On the 10<sup>th</sup> the series of depressions came to an end, and an anticyclone gradually extended eastwards and south-eastwards over the United Kingdom. The wind therefore subsided generally and on our southern coasts it shifted to the N.E. or E., with fine weather in all districts. At the close of the week, however, a new series of barometrical disturbances began to appear in the west and north, and S.W. winds again set in over the whole country, while the weather gradually extended over us from the westward.

Temperature has been rather below the average in Ireland and Scotland, but over England it has been somewhat high, the maximum reading at the inland stations varying between 70° and 75°.

## 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 14<sup>th</sup> June

1887.

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

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.																		
STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 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.		
Haparanda	29.49	47	Z	0	b	29.52	- 0.2	58	54	+ 4	Z	2	c	*	59	45	—	
Hernösand	29.50	47	Z	0	o	29.62	+ 0.6	55	50	+ 1	NE	2	o	*	55	43	0.12	
Stockholm	29.50	53	WSW	2	b	29.68	+ 0.5	56	52	+ 1	WNW	4	b	*	64	43	0.04	
Wisby	29.56	55	WNW	4	c	29.72	- 0.2	53	50	- 1	W	4	c	*	64	50	—	
Bodö	29.58	46	NE	4	c	29.73	+ 0.9	45	42	0	WNW	2	o	1	48	39	—	
Christiansund	29.68	48	WSW	6	f	29.90	+ 0.44	45	44	- 5	W	8	f	4	50	45	0.08	
Skudesnaes	29.89	51	NNW	2	o	30.05	+ 0.29	52	50	- 1	NW	6	c	3	54	50	—	
Christiania Fjord (Farder)	29.68	60	W	4	b	29.84	+ 0.28	59	49	+ 3	NW	4	b	2	64	55	—	
Skagen (The Sow)	29.71	53	W	4	o	29.80	+ 0.20	55	51	+ 2	NW	3	b	2	59	48	—	
Fanö	30.00	53	W	4	b	30.02	+ 0.14	55	52	- 1	NW	4	c	*	61	48	0.20	
Sumburgh Head	29.80	50	W	2	c	30.07	+ 0.34	51	50	0	W	2	c	3	54	45	0.10	
Stornoway	29.96	52	SW	1	o	30.09	+ 0.22	53	51	- 2	SSW	2	c	2	57	44	0.07	
Wick	29.94	52	NW	3	r	30.15	+ 0.29	56	53	0	NW	1	b	0	58	40	0.10	
Nairn	29.96	52	Z	0	r	30.16	+ 0.25	54	50	+ 3	W	1	b	0	60	41	0.23	
Aberdeen	29.94	53	NNE	3	rm	30.19	+ 0.28	55	51	- 5	SSW	3	b	1	62	43	0.26	
Leith	29.93	59	W	2	r	30.20	+ 0.23	58	55	0	E	1	b	*	66	48	0.03	
Shields	29.96	70	WSW	4	c	30.23	+ 0.24	51	49	- 9	ENE	1	o	2	72	48	—	
Spurn Head	30.00	63	WSW	2	b	30.24	+ 0.18	52	51	- 9	NNE	4	om	2	72	51	—	
York	30.04	72	W	3	b	30.24	+ 0.17	58	55	- 5	N	1	c	*	75	55	—	
Loughborough	30.08	77	W	2	b	30.24	+ 0.10	66	60	+ 2	WNW	1	c	*	79	53	—	
Ardrossan	29.97	57	WNW	3	pd	30.19	+ 0.18	53	51	- 2	SE	1	o	1	57	44	0.07	
Malin Head	30.01	52	NW	3	od	30.15	+ 0.15	54	53	+ 2	S	3	od	2	57	46	0.42	
Mullaghmore	30.07	55	WNW	4	or	30.14	+ 0.14	59	57	+ 1	SSW	2	op	2	61	49	0.04	
Belmullet	30.08	54	N	3	od	30.13	+ 0.12	56	56	- 1	SW	2	o	*	57	52	0.14	
Donaghadee	30.03	69	W	3	r	30.21	+ 0.17	53	51	- 9	S	2	o	0	70	51	—	
Barrow-in-Furness	30.08	57	W	3	b	30.19	+ 0.13	55	54	- 1	WNW	2	c	*	60	53	—	
Liverpool (Bidston)	30.07	68	WNW	1	b	30.22	+ 0.12	62	58	- 2	WNW	1	c	1	74	56	—	
Holyhead	30.10	54	SSW	4	b	30.22	+ 0.11	57	56	+ 3	SSW	2	cm	2	57	51	—	
Parsonstown	30.10	65	W	1	c	30.18	+ 0.07	60	57	0	Z	0	o	*	70	53	—	
Valencia	30.14	60	SW	2	o	30.19	+ 0.05	58	55	+ 2	SSE	3	b	2	62	51	—	
Roche's Point	30.14	60	SW	4	b	30.24	+ 0.07	56	54	+ 1	SW	3	b	3	63	48	—	
Pembroke	30.17	54	WSW	2	f	30.22	+ 0.04	52	51	- 1	SSW	1	b	1	59	50	—	
Scilly	30.16	65	SSE	1	b	30.19	0.00	65	58	+ 4	E	2	bm	4	67	54	—	
Prawle Point	30.17	68	W	2	b	30.22	0.00	69	59	+ 9	ESE	1	b	1	71	59	—	
Jersey	30.17	71	NW	2	b	30.20	- 0.01	70	60	+ 8	E	3	bm	3	75	52	—	
Hurst Castle	30.17	63	SW	2	b	30.23	+ 0.02	63	59	+ 3	ENE	1	b	0	67	48	—	
Dungeness	30.13	61	W	4	b	30.21	+ 0.05	61	57	+ 2	W	1	b	1	64	50	—	
London	30.12	77	WNW	3	b	30.23	+ 0.07	67	58	+ 3	SSW	1	bm	*	81	50	—	
Oxford	30.13	68	WSW	3	b	30.23	+ 0.05	66	57	+ 5	N	1	b	*	77	52	—	
Cambridge	30.10	75	WSW	1	b	30.23	+ 0.08	66	59	+ 1	N	1	b	*	80	50	—	
Yarmouth	30.10	62	SSE	2	b	30.21	+ 0.09	64	59	- 3	N	2	b	2	72	55	—	
Cuxhaven	30.08	52	WNW	4	o	30.07	+ 0.06	61	59	- 2	ENE	4	r	*	64	52	—	
Berlin	30.01	68	NW	3	b	30.10	+ 0.05	63	59	+ 3	WNW	4	c	*	73	55	—	
Wiesbaden	*	*	*	*	*	30.13	+ 0.02	66	62	+ 3	W	1	b	*	79	55	—	
Munich	30.24	63	Z	0	b	30.29	+ 0.02	67	60	+ 5	Z	0	b	*	72	50	—	
The Helder	30.11	60	WSW	1	b	30.17	+ 0.09	60	57	- 1	WNW	1	b	1	66	57	—	
Brussels	*	*	*	*	*	30.21	+ 0.05	67	60	+ 6	WSW	1	b	*	78	59	—	
Cape Gris Nez	30.15	62	WSW	5	b	30.21	+ 0.04	60	56	+ 3	SW	1	b	0	64	?	—	
Paris	30.17	75	N	1	b	30.24	+ 0.01	66	58	+ 6	NE	1	b	*	80	52	—	
Brest	30.15	70	NE	4	b	30.18	- 0.03	66	58	+ 6	ENE	4	b	2	77	57	—	
Lorient	30.15	73	Z	0	b	30.18	- 0.01	64	59	+ 5	E	3	b	2	82	59	—	
Rocheport	30.15	75	E	1	b	30.25	+ 0.04	71	63	0	E	1	b	*	84	51	—	
Belfort	30.13	76	NNE	1	b	30.24	+ 0.05	67	60	+ 6	SE	1	b	*	81	56	—	
Lyons	30.17	66	W	1	b	30.25	+ 0.12	67	60	+ 1	WSW	1	b	0	75	57	—	
Nice	30.11	77	E	3	b	30.21	+ 0.08	66	63	- 2	NE	3	b	0	81	59	—	
Perpignan	30.01	75	ENE	4	b	30.10	- 0.02	75	68	+ 8	ESE	3	b	0	88	66	—	
Biarritz	*	*	*	*	*	30.10	+ 0.09	74	64	+ 3	ENE	3	b	2	88	68	—	
Corunna	*	*	*	*	*	30.10	+ 0.09	74	64	+ 3	ENE	3	b	2	88	68	—	
Lisbon	30.00	79	NNE	5	b	30.10	+ 0.09	74	64	+ 3	ENE	3	b	2	88	68	—	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

Tuesday 14<sup>th</sup> June

1887.

## 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.

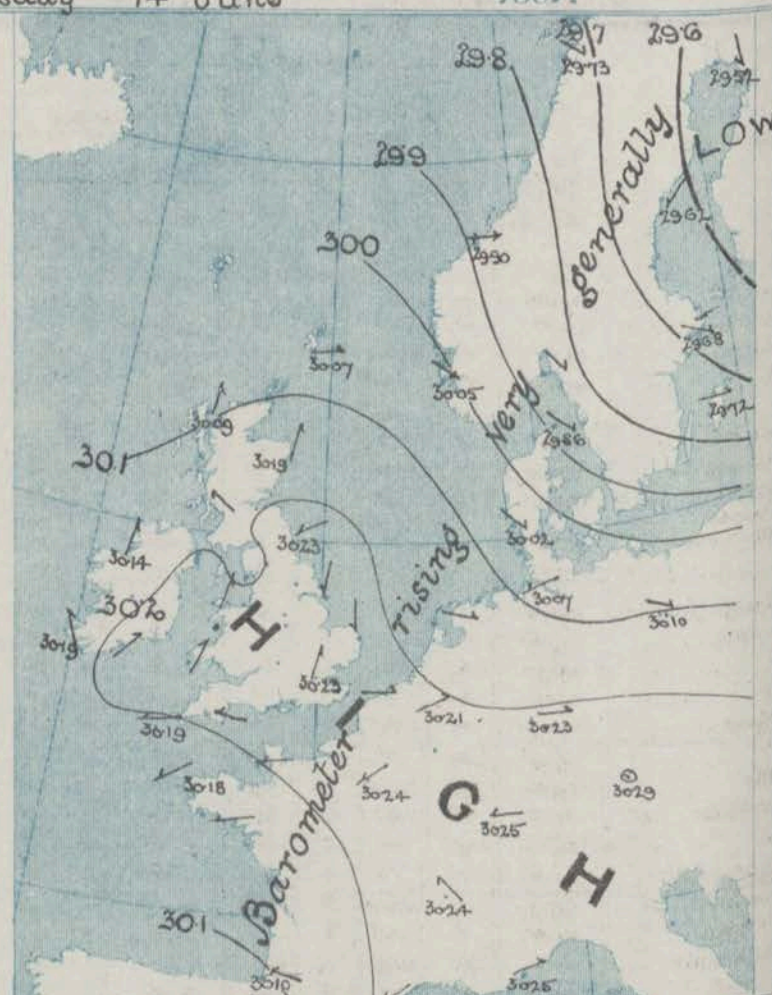
**Sea Disturbance**—where considerable is shown thus

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of June.  
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.860
Stornoway	29.832
Wick	29.861
Nairn	29.868
Aberdeen	29.876
Leith	29.892
Shields	29.918
York	29.936
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.969
Dover	29.962
LONDON	29.903
Oxford	29.953
Cambridge	29.900
Yarmouth	29.956



## 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.

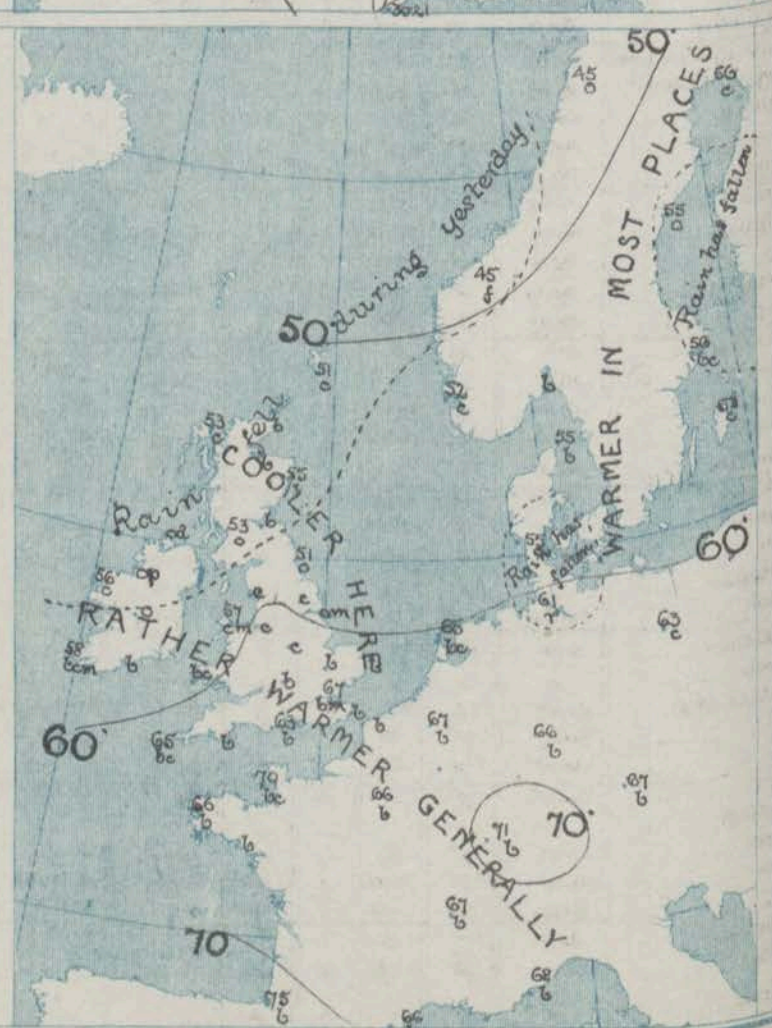
**Rainfall**. A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## 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	54.9	45.5	50.7	49.1	2.07
Stornoway	58.3	46.4	54.2	51.7	2.99
Wick	50.2	40.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	66.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE—The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866—85.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 ins and upwards in a large anticyclone system lying over England, the Channel, the greater part of France and South Germany.  
Lowest, 29.6 ins and less in a shallow depression lying over the Gulf of Bothnia.

## TEMPERATURE

Highest, 75° at Biarritz, 74° at Lisbon, 71° at Kieffort, 70° at Jersey, 69° at Poulk Point and 68° at Vise.  
Lowest, 45° at Bodø and Christiansund, 51° at Edinburgh Head and Shields, 52° at Spurehead and 53° at Hornø, Ardrossan and Braghaden.  
A brisk fall has taken place on the north-eastern coast of England, but in the south the thermometer has risen.

## WIND

Light from the E<sup>th</sup> over the Channel and greater part of France.  
Light from S or SW on most parts of our western and northern coasts.  
Moderate to strong from NW in Scandinavia and Denmark; light from N in the east of England.

## WEATHER

Fine generally, but dull in the north-east of England, showery in the north of Ireland and rainy at Copenhagen.  
Haze is reported at several of our southern stations.  
[Rain fell yesterday over Scotland and the north of Ireland.]

## SEA

Moderate at Christiansund and Lilloe, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general fall of the barometer noticed yesterday morning continued throughout the greater part of the day, and two or three small shallow depressions advanced from the westward over Ireland and Scotland. In the course of the night, however, these disturbances have entirely disappeared and the barometer has risen at all stations. The anticyclone over England and the Continent is apparently extending northward and westward, and fine warm weather is likely to continue for a time in all districts.

## FORECASTS

For the 24 hours ending at NOON on 15<sup>th</sup> June. 1887.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	SW <sup>ly</sup> and W <sup>ly</sup> winds, light, fair generally, warmer.
1	SCOTLAND EAST	D° ————— D°
2	ENGLAND N.E.	NW <sup>ly</sup> and variable airs, fair, warm, hazy.
3	ENGLAND EAST	D° ————— D°
4	MIDLAND COUNTIES	D° ————— D°
5	ENGLAND SOUTH	Variable and E <sup>ly</sup> airs, fine, warm.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Light breezes, chiefly SW <sup>ly</sup> , fair generally.
7	ENGLAND N.W.	D° ————— D°
8	ENGLAND S.W.	E <sup>ly</sup> and SE <sup>ly</sup> winds, moderate, fine, warm.
9	IRELAND NORTH	S <sup>ly</sup> and SW <sup>ly</sup> winds, light, cloudy, local showers.
10	IRELAND SOUTH	S <sup>ly</sup> winds, light, fine, warm.
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	54	51	WNW	6	0	4	Holyhead ...	30.12	55	54	SSW	4	mg	3
Sumburgh Head ...	29.81	52	50	WNW	3	0	3	Valencia ...	30.14	62	59	SSW	3	2	4
Stornoway ...	29.91	57	56	SW	1	0	1	Scilly ...	30.18	66	61	SSE	1	6	5
Aberdeen ...	29.92	58	55	SSW	3	r	1	Dungeness ...	30.14	63	57	W	4	6	3
Shields ...	29.97	71	63	WSW	3	c	2	London ...	30.13	77	63	W	3	6	2
Ardrossan ...	29.95	55	55	SSW	4	0	3	Yarmouth ...	30.12	64	60	E	2	6	2
Malin Head ...	29.91	56	56	WSW	3	0	3	Jersey ...	30.17	70	59	NNW	1	6	1
Mullaghmore ...	30.00	59	57	SW	4	om	2	Rocheport ...	30.14	95	76	E	4	6	2
Belmullet ...	30.01	60	56	SW	3	om	*								

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

The Continental reports for yesterday morning showed that while the highest pressures (30.2 ins. and upwards) were found in a long anticyclonic band which extended from the mouth of the English Channel to South Germany, the lowest (29.5 ins. and less) were reported in a large, but somewhat shallow depression, which lay over the northern part of Norway. With these conditions moderate to strong breezes from the SW<sup>2</sup> or W<sup>2</sup> prevailed over all the more northern countries of Europe, with dull weather in many places, and rain in the extreme northwest of our Islands, as well as at Trøgen. At the southern stations, however, the wind was light and very variable, and the weather fine. Temperature had fallen a little in Italy and the extreme southern part of Russia and France, but risen elsewhere; readings ranged from 45° and upwards at several of the Spanish, Algerian, and Mediterranean stations to 50° or less over the north-western part of Norway and the north of Russia. The highest individual readings were 81° at Bilbao, 80° at Barcelona, 79° at Comma, 78° at Cite and Bickro and 77° at C-beam; the lowest were 45° at Bodø, 48° at Moscow, 49° at Kuopio, Helsingfors and Hangö, and 50° at Christiansund, St. Petersburg, and Kiev.

In the course of the day the barometer fell generally, and some shallow depressions appeared over the west and north of our Islands, occasioning rain in many parts of Ireland and Scotland. Elsewhere the weather was fine, and maximum temperatures were recorded as high as 80° at Cambridge and Paris, 81° at Lyons, Perpignan, and in London, 82° at Genoa, and 88° at Biarritz.

### 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. ngly, 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 15<sup>th</sup> June

1887.

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

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Reading at 32° F. and Sea Level.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 8.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)			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	51	N	2	b	29.85	+ .33	55	50	- 3	N	4	bc	*	64	45	—		
Hernösand ...	29.83	55	NNW	4	b	29.98	+ .36	52	44	- 3	NW	2	b	*	70	45	—		
Stockholm ...	29.91	57	Z	0	c	30.05	+ .37	55	50	- 1	N	2	b	*	64	46	0.04		
Wisby ...	29.86	52	WNW	4	b	29.99	+ .27	53	49	0	N	4	b	*	61	48	—		
Bodö ...	29.94	45	W	5	r	29.97	+ .24	45	43	0	ESE	2	r	0	48	41	0.04		
Christiansund...	30.12	47	WSW	4	o	30.01	+ .11	54	50	+ 9	S	1	bc	3	54	41	—		
Skudesnaes ...	30.19	51	WNW	4	c	30.16	+ .11	53	49	+ 1	SE	2	o	3	57	52	—		
Christiania Fjord (Forder)	29.99	64	WNW	2	b	30.10	+ .26	58	50	- 1	NNE	2	b	1	64	55	—		
Skagen (The Scaw)	30.02	53	WNW	1	b	30.07	+ .21	57	53	+ 2	WNW	3	c	1	64	46	—		
Fanö ...	30.21	50	WNW	4	b	30.25	+ .23	58	64	+ 3	NW	4	b	*	59	48	—		
BRITISH ISLANDS.																			
Sumburgh Head	30.11	52	S	3	bc	30.06	- .01	52	51	+ 1	W	3	o	3	56	48	0.07		
Stornoway ...	30.02	55	SW	3	or	30.08	- .01	54	53	+ 1	SW	2	o	2	58	51	0.10		
Wick ...	30.05	56	SW	2	o	30.14	- .01	57	55	+ 1	SW	2	o	0	60	53	0.04		
Nairn ...	30.09	62	W	3	c	30.17	+ .01	57	54	+ 3	W	2	c	2	66	51	—		
Aberdeen...	30.16	53	SSW	2	c	30.16	- .03	66	59	+ 11	WNW	3	bc	0	66	57	0.02		
Leith ...	30.17	59	Z	0	o	30.22	+ .02	60	57	+ 2	W	2	c	*	61	54	0.01		
Shields ...	30.22	54	E	2	c	30.23	+ .00	59	56	+ 8	W	2	b	2	59	49	—		
Spurn Head ...	30.25	55	ESE	4	b	30.26	+ .02	64	59	+ 12	W	2	bcw	2	64	51	—		
York ...	30.24	64	E	2	bc	30.26	+ .02	64	58	+ 6	W	1	b	*	73	50	—		
Loughborough	30.22	74	E	3	bc	30.24	+ .05	70	59	+ 4	W	2	bcw	*	80	61	—		
Ardrossan ...	30.17	58	Z	0	o	30.26	+ .07	55	54	+ 2	WSW	2	o	2	58	51	0.03		
Malin Head ...	30.13	56	W	3	o	30.27	+ .14	55	54	+ 1	W	2	o	2	61	51	0.07		
Mullaghmore ...	30.19	59	W	3	o	30.31	+ .17	57	55	- 2	WNW	3	bw	1	66	53	—		
Beltmullet ...	30.18	59	SW	2	o	30.23	+ .20	57	55	+ 1	W	2	bc	*	61	?	—		
Donaghadee ...	30.19	54	S	2	o	30.30	+ .09	60	58	+ 7	SW	2	c	0	60	46	—		
GERMANY.																			
Barrow-in-Farness	30.21	65	WNW	2	b	30.28	+ .09	56	54	+ 1	WNW	2	b	*	65	54	—		
Liverpool (Bidston)	30.22	67	NW	1	b	30.31	+ .09	61	56	- 1	W	2	b	2	73	56	—		
Holyhead ...	30.23	53	SSW	3	b	30.32	+ .10	61	58	+ 4	Z	0	bw	0	61	50	—		
Parsonstown ...	30.20	68	Z	0	bc	30.25	+ .17	57	55	- 3	Z	0	o	*	76	47	—		
Valencia ...	30.24	66	W	1	bm	30.33	+ .14	63	58	+ 5	NE	1	bm	1	66	48	—		
Roche's Point...	30.24	59	S	4	b	30.23	+ .09	57	55	+ 1	N	2	bm	2	62	57	—		
Pembroke ...	30.25	60	WNW	1	b	30.33	+ .11	58	57	+ 6	NW	1	bm	1	61	50	—		
Seilly ...	30.23	64	E	3	bc	30.29	+ .10	69	59	+ 4	NNE	1	bm	2	69	56	—		
Prawle Point ...	30.26	69	Z	0	b	30.31	+ .09	73	61	+ 4	NE	3	b	2	73	64	—		
Jersey ...	30.24	71	NW	2	b	30.25	+ .05	72	64	+ 2	ENE	1	bm	1	77	57	—		
FRANCE & NETHERLANDS.																			
Harst Castle ...	30.25	66	W	2	b	30.32	+ .09	66	63	+ 3	Z	0	b	0	74	53	—		
Dungeness ...	30.24	62	ESE	2	b	30.28	+ .07	63	58	+ 2	Z	0	b	0	68	54	—		
London ...	30.25	75	E	2	b	30.30	+ .07	65	61	+ 1	W	1	b	*	81	52	—		
Oxford ...	30.23	71	Z	0	b	30.31	+ .08	67	60	+ 1	SW	1	b	*	79	46	—		
Cambridge ...	30.24	70	E	1	b	30.29	+ .06	68	63	+ 2	SW	1	b	*	80	50	—		
Yarmouth ...	30.28	57	ENE	3	bc	30.26	+ .08	65	61	+ 1	SW	2	b	2	65	50	—		
Cuxhaven ...	30.04	55	WNW	3	b	30.31	+ .24	57	55	- 4	NW	2	b	*	?	54	—		
Berlin ...	30.17	62	NW	4	b	30.16	+ .16	56	52	- 7	NW	2	c	*	72	52	0.08		
Wiesbaden ...	*	*	*	*	*	30.31	+ .08	68	59	+ 2	N	1	b	*	82	55	—		
Munich ...	30.28	71	Z	0	b	30.33	+ .04	69	63	+ 2	Z	0	b	*	79	57	—		
SPAIN.																			
The Helder ...	30.29	55	NE	1	b	30.30	+ .13	61	57	+ 1	S	1	b	1	63	52	—		
Brussels ...	*	*	*	*	*	30.30	+ .09	65	59	- 2	ENE	1	b	*	80	55	—		
Cape Gris Nez...	30.25	64	ENE	3	b	30.24	+ .08	65	61	+ 5	E	1	b	0	73	53	—		
Paris ...	30.22	66	N	1	b	30.27	+ .03	66	61	0	N	1	b	*	84	58	—		
Brest ...	30.19	75	ENE	3	b	30.26	+ .08	66	58	0	ESE	4	bc	3	82	48	—		
Lorient ...	30.21	75	NNW	1	b	30.23	+ .05	64	59	0	E	3	b	2	86	61	—		
Rochefort ...	30.18	78	NNW	4	b	30.22	+ .05	74	67	- 8	ESE	3	b	1	90	64	—		
Belfort ...	30.21	81	W	1	b	30.23	- .02	71	64	0	NE	3	b	*	85	50	—		
Lyons ...	30.17	79	SSE	3	b	30.23	- .01	67	60	0	SSE	1	b	*	87	59	—		
Nice ...	30.22	73	Z	0	b	30.22	- .03	69	60	+ 1	Z	0	b	0	77	59	—		
Perpignan ...	30.18	76	E	3	b	30.24	+ .03	69	64	+ 3	Z	0	b	*	83	58	—		
Biarritz ...	30.17	66	W	1	c	30.21	+ .11	75	67	0	Z	0	b	0	84	66	—		
Corunna ...	*	*	*	*	*	30.10	.00	76	67	+ 2	NE	5	b	2	88	72	—		
Lisbon ...	30.12	80	NNE	7	b														

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on WEDNESDAY, 15<sup>th</sup> June

1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

○ = dead calm.

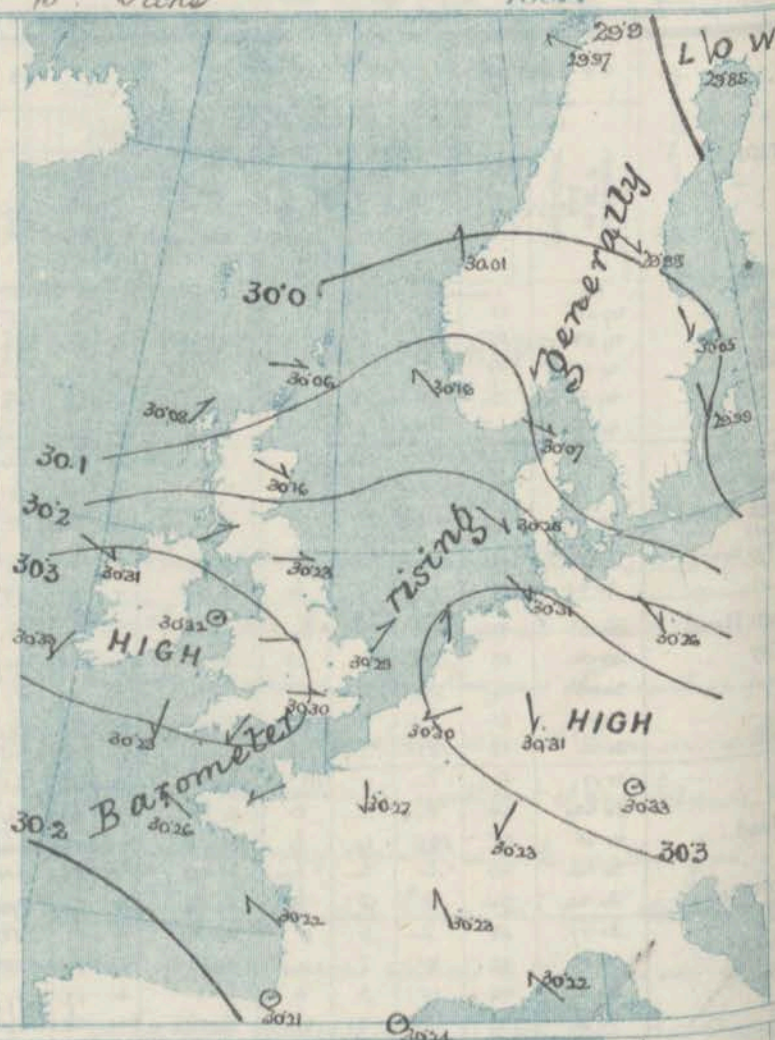
**Sea Disturbance** — where considerable is shown thus

■ = Rough, ■ = High.

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of June.  
During the 10 Years 1871-1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.800
Stornoway	29.832
Wick	29.861
Nairn	29.868
Aberdeen	29.876
Leith	29.892
Shields	29.918
York	29.936
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.969
Dover	29.902
LONDON	29.963
Oxford	29.953
Cambridge	29.960
Yarmouth	29.958



## 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.

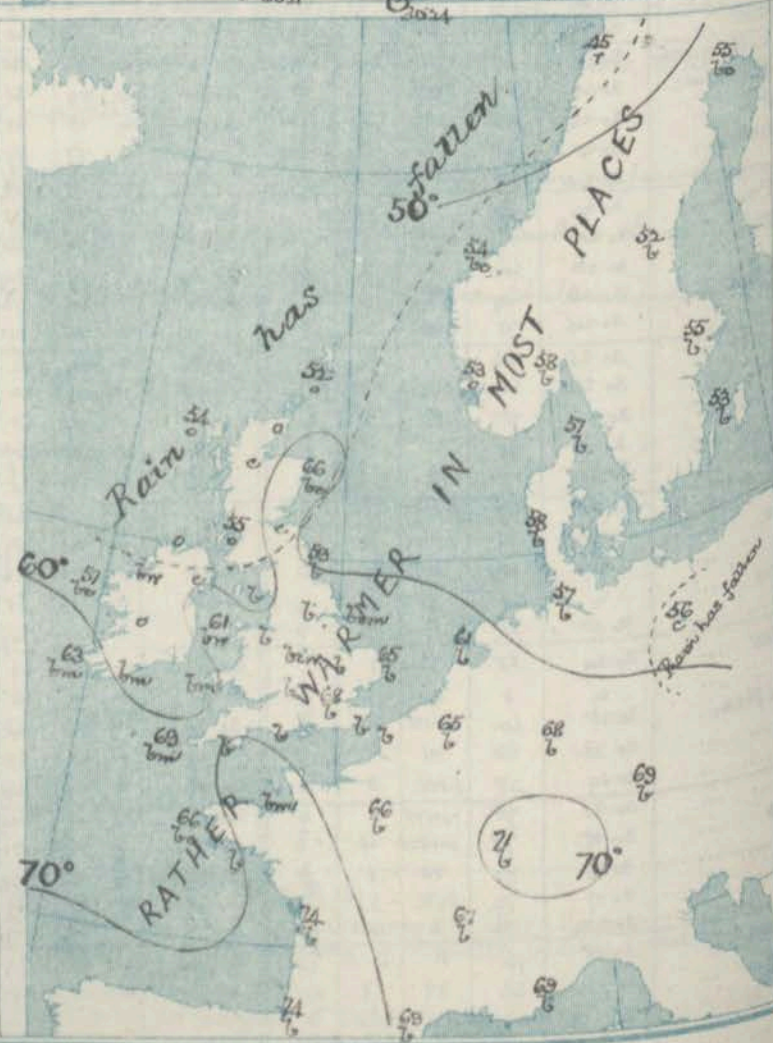
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of June

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min	Avg Dry	Avg Wet	
Sumburgh Head	54.9	45.5	50.7	49.1	2.07
Stornoway	55.8	46.4	54.2	61.7	2.09
Wick	59.2	46.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	60.5	48.6	50.3	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.02
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.6	56.8	53.6	3.20
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.6	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.29
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

Note — The Temperature means are for the 7 years 1871-80, the Rainfall means are mainly those for the 20 years 1866-85





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.3 in. upwards, in anticyclonic areas lying respectively over the Netherlands & the west & south-west of the British Islands.  
Lowest, 29.9 in. & less, in the extreme north of Sweden.

## TEMPERATURE

Highest, 76° at Lissow, 74° at Rochefort and Biarritz, 73° at Prætor Point, 72° at Jersey & at Belfast.  
Lowest, 45° at Bodø, 52° at Hornsund & Lumburgh Head and 53° at Wisby and Skudesnaes.

## WIND

Light from S.W. and W. in the north and east of our islands; S.E. in the west of Norway.  
W. or N. in Sweden, Denmark & Germany; N.E. or E. over France, Spain & our extreme S.W. coast.

## WEATHER

Fine generally, but dull in the northern parts of Scotland and Ireland and raining at Bodø.  
A little rain fell yesterday in Scotland and the north of Ireland.

## SEA

Slight or smooth on all coasts.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The existence of two anticyclones, — one over our western districts and the other to the eastward of us is favourable for the development of small (thunderstorm) depressions over our southeastern stations. Beyond this there is no indication of any change in the weather.

## FORECASTS

for the 24 hours ending at NOON on 16<sup>th</sup> JUNE 1887.

### DISTRICTS.

### FORECASTS.

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

SW<sup>3</sup> and W<sup>3</sup> winds, moderate; dull, rain locally.  
N<sup>4</sup> winds, light; fine generally.  
.....  
Same as N° 5.  
Same as N° 5.  
Light variable breezes; fine to cloudy, thunderstorms locally.

### DISTRICTS.



### FORECASTS.

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

SW<sup>3</sup> & N<sup>4</sup> winds, light; cloudy generally.  
Same as N° 1 and 2.  
SE<sup>3</sup> winds, light; fine generally.  
Same as N° 6.  
Same as N° 8.

### WARNINGS

NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.10	57	52	WNW 4	c	3	Holyhead ...	30.24	59	57	SSW 3	bm	0
Sumburgh Head ...	30.12	55	52	SW 2	bc	2	Valencia ...	30.25	64	60	WSW 2	bm	
Stornoway ...	30.06	58	53	SW 4	c	4	Scilly ...	30.23	69	60	ESE 3	b	4
Aberdeen ...	30.19	56	53	SSW 4	c	1	Dungeness ...	30.24	68	61	W 1	b	1
Shields ...	30.24	53	51	E 3	o	2	London ...	30.24	76	60	W 1	bm	*
Ardrossan ...							Yarmouth ...	30.27	59	53	NNE 4	bc	3
Malin Head ...							Jersey ...						
Mullaghmore ...	30.15	66	59	SSW 4	o	2	Rocheport ...	30.20	79	72	NW 4	b	2
Belmullet ...	30.18	57	55	SW 2	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 in. and more over the whole of southeastern, central and western Europe to rather below 29.5 in. over Finland. The wind was therefore W<sup>4</sup> over the Baltic and Scandinavia, but in our islands (over which the western extremity of the high pressure area rested) it was S<sup>4</sup> and SE<sup>4</sup>. The weather was fine over England and France, with Central Europe but showery at times at the Norwegian and Baltic stations. Temperature varied from between 40° & 80° at the Spanish, the Mediterranean and the French stations, to between 50° & 55° at the Scotch stations and to 45° in the northwest of Norway. The highest individual readings were 86° at Bilbao, 79° at Biskra, 77° at Algiers, 74° at Tangier, 73° at Cagliari and Barcelona, 72° at Brindisi, Palermo, Messina, Trieste and Utrecht & 69° at Madrid and Budapest; the lowest were 45° at Bodö & Christiansund, 49° at Archangel and St. Petersburg and 51° at Sumburgh Head and Shields. During the day the thermometer rose to between 79° and 80° over England and to 86° at Lorient, but to only 77° at Nice. In the evening the thermometer fell rather quickly in London and an E<sup>4</sup> breeze appeared temporarily, with local fog in some of the Southern suburbs.

### 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 16<sup>th</sup> June 1887.

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

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.																			
STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.			
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force (0 to 12.)		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.			
<b>SCANDINAVIA.</b>																			
Haparanda ...	29.82	48	W	2	b	29.81	- 0.01	53	49	- 2	8	2	o	*	63	48			
Hernösand ...	29.84	54	S	4	c	29.94	- 0.10	53	46	+ 1	N	6	b	*	66	45	0.24		
Stockholm ...	29.96	55	SSW	2	bc	29.94	- 0.02	49	48	- 6	N	6	o	*	68	?	0.16		
Wisby ...	29.97	53	S	4	b	29.89	- 0.08	58	51	0	W	4	r	*	68	50			
Bodo ...	29.79	47	SE	0	r	29.88	- 0.09	45	44	0	WSW	6	r	3	48	41	0.28		
Christiansund ...	30.01	49	WSW	6	c	30.15	+ 0.14	51	48	- 3	WSW	6	c	4	7	48	0.20		
Skudesnaes ...	30.19	52	WNW	4	o	30.31	+ 0.12	53	50	0	WNW	2	o	3	52	52			
Christiania Fjord (Fjorder) ...	29.97	63	WNW	4	o	30.11	+ 0.01	57	47	- 1	NW	6	o	2	63	55			
Skagen (The Scaw) ...	30.03	52	W	6	r	30.08	+ 0.01	55	50	- 2	N	3	o	3	59	50			
Fanö ...	30.22	54	W	4	o	30.23	- 0.02	55	51	- 3	NW	6	c	*	59	52			
<b>BRITISH ISLANDS.</b>																			
Sumburgh Head ...	30.18	52	W	2	o	30.23	+ 0.05	53	52	+ 1	W	2	o	2	55	48			
Stornoway ...	30.18	58	SW	2	o	30.17	+ 0.09	57	55	+ 3	SW	5	b	4	61	51			
Wick ...	30.25	57	W	2	o	30.25	+ 0.11	57	55	0	SW	1	c	0	62	51			
Nairn ...	30.27	60	W	1	c	30.27	+ 0.10	62	57	+ 5	W	2	b	2	65	52			
Aberdeen ...	30.28	58	NE	2	bc	30.29	+ 0.13	65	59	- 1	SSW	1	b	0	68	52			
Leith ...	30.30	65	W	3	b	30.33	+ 0.11	62	57	+ 2	WNW	1	m	*	71	53			
Shields ...	30.28	70	W	3	b	30.35	+ 0.12	63	59	+ 4	W	2	c	2	70	54			
Spurn Head ...	30.32	59	SE	2	b	30.38	+ 0.12	57	55	- 7	SSW	2	bc	2	74	54			
York ...	30.30	73	W	2	b	30.37	+ 0.11	62	58	- 2	SSW	1	b	*	79	52			
Loughborough ...	30.31	76	WNW	2	bc	30.38	+ 0.09	64	59	- 6	E	1	cm	*	81	48			
Ardrossan ...	30.33	63	WNW	1	bc	30.34	+ 0.08	60	58	+ 5	SSW	1	o	0	64	49			
Malin Head ...	30.32	58	WNW	2	o	30.28	+ 0.01	63	58	+ 8	SSW	2	o	2	63	52			
Mullaghmore ...	30.33	58	WNW	2	bc	30.30	- 0.01	64	60	+ 7	WNW	1	bc	3	64	49			
Belmullet ...	30.34	61	WNW	2	b	30.29	- 0.04	66	59	+ 9	SSW	3	b	*	67	51			
Donaghadee ...	30.36	61	NE	2	b	30.35	+ 0.05	58	56	- 2	S	3	b	1	65	53			
Barrow-in-Furness ...	30.33	62	NW	2	bc	30.34	+ 0.06	59	57	+ 3	NE	3	c	*	68	55			
Liverpool (Bidston) ...	30.35	62	WNW	1	b	30.36	+ 0.05	63	57	+ 2	SSW	1	bc	2	68	55			
Holyhead ...	30.37	56	WNW	1	b	30.36	+ 0.04	60	56	- 1	W	0	bc	0	63	52			
Parsonstown ...	30.33	72	SE	0	b	30.33	- 0.02	69	62	+ 12	SE	0	b	*	72	54			
Valencia ...	30.32	70	SSW	2	bc	30.30	- 0.03	69	63	+ 6	SE	3	bc	3	72	53			
Roche's Point ...	30.34	63	SSW	2	b	30.35	+ 0.02	61	58	+ 4	SE	0	b	0	66	52			
Pembroke ...	30.33	67	N	2	b	30.33	00	62	58	+ 4	NE	2	bc	1	70	55			
Scilly ...	30.31	67	NE	3	b	30.29	- 0.02	69	61	0	E	4	b	3	72	59			
Prawle Point ...	30.31	71	SE	0	b	30.33	+ 0.02	71	62	- 2	NE	3	b	2	76	63			
Jersey ...	30.28	74	NE	3	bc	30.33	+ 0.05	70	61	- 2	NE	3	bc	3	80	63			
Hurst Castle ...	30.32	66	W	2	b	30.33	+ 0.01	64	61	- 2	ENE	1	m	0	76	63			
Dungeness ...	30.28	70	SE	0	b	30.33	+ 0.05	63	60	0	E	2	m	1	74	56			
London ...	30.29	80	WNW	2	b	30.35	+ 0.05	65	60	- 3	N	1	bc	*	84	58			
Oxford ...	30.30	72	W	1	b	30.36	+ 0.05	63	59	- 4	WNW	2	bc	*	82	57			
Cambridge ...	30.28	78	N	1	b	30.37	+ 0.08	64	60	- 4	WNW	1	cm	*	85	49			
Yarmouth ...	30.29	64	SE	0	b	30.38	+ 0.09	58	56	- 7	SE	0	b	1	69	54			
Cuxhaven ...	30.34	55	NW	2	b	30.29	- 0.05	61	59	+ 4	N	4	c	*	61	54			
Berlin ...	30.25	65	NNE	1	b	30.21	- 0.04	63	54	+ 7	NW	3	o	*	72	55			
Wiesbaden ...	*	*	*	*	*	30.34	+ 0.03	65	59	- 3	NE	1	b	*	81	55			
Munich ...	30.30	67	SE	0	b	30.35	+ 0.05	63	58	- 6	SE	0	b	*	77	52			
<b>GERMANY.</b>																			
The Helder ...	30.29	59	NW	1	b	30.35	+ 0.05	59	57	- 2	WNW	1	b	1	68	55			
Brussels ...	*	*	*	*	*	30.34	+ 0.04	65	60	0	NE	1	b	*	81	59			
Cape Gris Nez ...	30.28	71	SE	0	b	30.32	+ 0.03	67	62	+ 2	SE	0	b	0	79	57			
Paris ...	30.24	78	NNE	3	b	30.28	+ 0.01	67	59	+ 1	NE	3	b	*	85	59			
Brest ...	30.26	77	NE	4	bc	30.24	- 0.02	68	61	+ 2	E	5	b	2	82	59			
Lorient ...	30.24	73	NE	1	bc	30.26	+ 0.03	74	62	+ 10	E	4	bc	2	90	64			
Rocheport ...	30.22	75	WNW	5	bc	30.24	+ 0.02	69	66	- 5	WNW	5	bc	2	92	63			
Belfort ...	30.23	78	NE	1	b	30.25	+ 0.02	70	61	- 1	NE	4	b	*	83	57			
Lyons ...	30.16	82	NNE	1	bc	30.20	- 0.03	71	64	+ 4	S	1	b	*	89	64			
Nice ...	30.14	69	SE	0	b	30.18	- 0.04	67	62	- 2	SSW	1	b	0	77	59			
Perpignan ...	30.18	70	NE	1	c	30.19	- 0.05	65	64	+ 4	NE	3	o	*	78	61			
Biarritz ...	30.17	76	NW	3	bc	30.17	- 0.04	69	64	- 6	SE	0	o	0	81	64			
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Lisbon ...	30.05	83	WNW	5	b	30.03	- 0.07	75	68	- 1	ENE	1	c	2	88	72			

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Thursday, 16<sup>th</sup> June, 1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

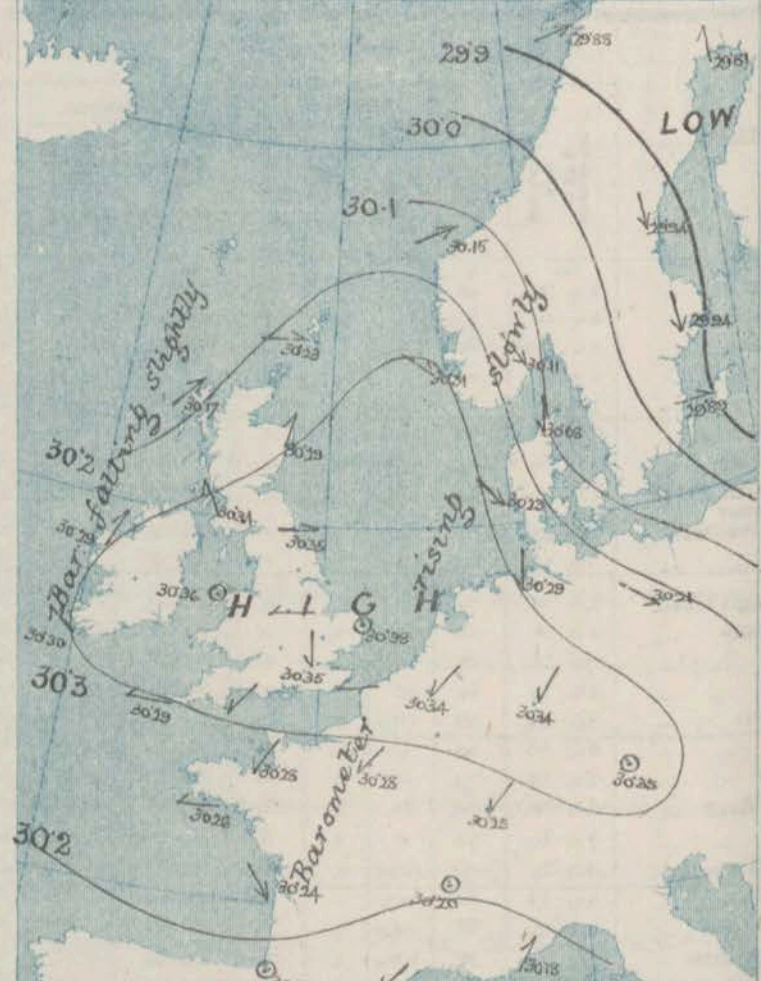
**Barometer**—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind**—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus—  
 → = forces above 10; → = forces 8 to 10;  
 → = forces 5 to 7; → = forces 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 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.860
Stornoway	29.832
Wick	29.861
Nairn	29.868
Aberdeen	29.876
Leith	29.892
Shields	29.918
York	29.936
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.969
Dover	29.962
LONDON	29.963
Oxford	29.958
Cambridge	29.960
Yarmouth	29.956



## 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.	Wet.	
Sumburgh Head	54.9	45.5	50.7	49.1	2.07
Stornoway	53.8	46.4	54.2	51.7	2.99
Wick	59.2	46.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.0	1.82
York	66.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.76
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.84
Hurst Castle	64.1	52.7	58.1	55.0	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.0	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE—The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1868—85.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.3 ins: and upwards, in a large anticyclone lying over Ireland, England, the North Sea, the Netherlands, and S Germany.  
Lowest, 29.9 ins: and less, over the Gulf of Bothnia, the Baltic, and the north of Scandinavia.

## TEMPERATURE

Highest, 75° at Lisbon, 71° at Boulogne and Lyons, 70° at Jersey and Belfort, and 69° at Harrogate.  
Lowest, 45° at Bodo, 43° at Stockholm, 51° at Christiansund, and 53° at Haparanda, Helsingfors, Kirby, Skudesnäs, and Lumburg Hd.  
(During yesterday the thermometer rose to 81° at Loughborough, 82° at Oxford, 84° in London, and 85° at Cambridge.)

## WIND

Light from E. or NE. over the Channel and the N. and E. of France.  
S. or SW. over the greater part of Ireland and Scotland.  
Strong from NW or N. in Sweden and Denmark.

## WEATHER

Fine over the greater part of our islands, France and Germany, but hazy in the southeast of England.  
Cloudy in Scandinavia and Denmark, with rain at Bodo and Kirby.  
A thunderstorm has occurred at Rochefort, and lightning was seen last evening at Lyons.

## SEA

Moderate at Christiansund and Stromsø, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The two anticyclonic systems noticed yesterday have united and one large area of high pressure now lies over our islands, the North Sea and the Netherlands.

The barometer has begun to fall a little on our extreme western and northern coasts, but the change is not yet sufficiently decided to lead to any important alteration in the weather.

## FORECASTS

for the 24 hours ending at NOON on 17<sup>th</sup> June 1887.

### DISTRICTS.

### FORECASTS.

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

SW<sup>ly</sup> winds, moderate; fair generally.  
Light variable breezes; fine generally.  
----- D° ----- D° ----- D° -----  
Same as No 5.  
Same as No 5.  
Light breezes, chiefly NE<sup>ly</sup>; fine generally.

### DISTRICTS.

### FORECASTS.

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

SW<sup>ly</sup> winds, light; cloudy generally.  
E<sup>ly</sup> or SE<sup>ly</sup> winds, moderate; fine generally.  
----- D° ----- D° ----- D° -----  
SE<sup>ly</sup> or SW<sup>ly</sup> winds, moderate; fair generally.  
----- 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.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.16	54	53	WNW 2	r f	3	Holyhead ...	30.37	57	58	WNW 1	b m	1
Sumburgh Head ...	30.13	53	50	W 4	0	4	Valencia ...	30.35	71	64	WSW 2	b	2
Stornoway ...	30.16	61	54	W 1	c	1	Scilly ...	30.32	70	59	WNW 2	b	2
Aberdeen ...	30.23	63	59	SE 1	0	0	Dungeness ...	30.30	72	63	W 0	b	0
Shields ...	30.28	68	66	W 3	b c	2	London ...	30.29	83	65	WNW 2	b c	*
Ardrossan ...	30.32	68	59	WNW 3	b c	2	Yarmouth ...	30.19	64	60	S 2	b	2
Malin Head ...	30.32	58	57	W 2	0	2	Jersey ...	30.29	78	69	E 1	b	1
Mullaghmore ...	30.34	59	55	NW 2	b	3	Rocheport ...	30.25	79	72	WNW 4	c	2
Belmullet ...	30.36	62	58	WNW 2	b	*							

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

*Continental Information not yet received*

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

\* 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 17<sup>th</sup> June.

1887.

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

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.																		
STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	29.93	49	NW	2	c	30.10	+ .24	53	48	0	N	4	bc	*	59	43	0.12	
Hernösand ...	30.08	54	N	0	bc	30.21	+ .27	52	45	- 1	N	4	o	*	70	46	—	
Stockholm ...	30.09	55	NNW	2	b	30.18	+ .24	52	47	+ 3	N	4	o	*	61	46	—	
Wisby ...	30.01	52	NW	4	c	30.12	+ .23	53	48	0	NNE	4	o	*	57	48	—	
Bodö ...	30.13	45	WSW	2	c	30.12	+ .24	44	43	- 1	E	4	r	2	46	41	0.04	
Christiansund...	30.21	51	WSW	3	f	30.31	+ .16	50	48	- 1	WSW	5	f	4	52	48	0.16	
Skudesnaes ...	30.26	53	NW	1	o	30.38	+ .07	57	52	+ 4	Z	0	bc	2	57	52	—	
Christiania Fjord (Fæder)	30.27	59	W	4	bc	30.27	+ .16	61	53	+ 4	Z	0	b	2	63	57	—	
Skagen (The Scaw)	30.21	52	NW	1	bc	30.28	+ .20	59	55	+ 4	NNW	1	b	0	63	48	—	
Fanø ...	30.30	51	NW	3	b	30.34	+ .11	61	57	+ 6	NW	3	b	*	61	50	—	
BRITISH ISLANDS.																		
Sumburgh Head	30.24	54	S	1	b	30.30	+ .07	65	53	+ 2	NW	1	bc	1	60	49	—	
Stornoway ...	30.18	64	W	4	b	30.29	+ .12	55	55	- 2	W	1	o	1	66	50	—	
Wick ...	30.26	63	S	1	b	30.34	+ .09	67	62	+ 10	S	1	bc	0	68	49	—	
Nairn ...	30.26	79	W	1	b	30.34	+ .07	71	64	+ 9	Z	0	bc	0	80	52	—	
Aberdeen...	30.29	64	SE	2	b	30.34	+ .05	68	62	+ 3	SSE	1	b	0	74	54	—	
Leith ...	30.28	76	NW	2	b	30.33	00	66	60	+ 4	Z	0	b	*	80	51	—	
Shields ...	30.31	66	S	2	bm	30.34	- .01	67	61	+ 4	S	2	b	2	69	59	—	
Spurn Head ...	30.35	59	SE	3	b	30.39	+ .01	60	57	+ 3	SE	2	c	2	69	54	—	
York ...	30.33	74	S	2	b	30.38	+ .01	63	?	+ 1	S	1	b	*	78	55	—	
Loughborough	30.33	76	ESE	2	c	30.38	00	66	61	+ 2	E	2	b	*	82	54	—	
Ardrossan ...	30.32	64	SSW	1	b	30.31	- .03	64	58	+ 4	NNW	2	o	1	68	53	—	
Malin Head ...	30.26	62	ESE	3	o	30.27	- .01	60	58	- 3	ESE	2	om	1	69	58	—	
Mullaghmore ...	30.27	69	NW	3	c	30.26	- .04	66	61	+ 2	ENE	4	b	3	70	58	—	
Beltmullet ...	30.28	62	SW	1	b	30.24	- .05	71	68	+ 5	ESE	1	b	*	72	58	—	
Donaghadee ...	30.32	68	S	2	b	30.31	- .04	58	56	0	NE	1	c	0	69	51	—	
GERMANY.																		
Barrow-in-Furness	30.30	69	NW	2	bc	30.32	- .02	65	62	+ 6	NE	4	c	*	70	58	—	
Liverpool (Bidston)	30.31	69	NNW	1	bc	30.33	- .03	68	62	+ 5	ESE	2	bm	2	74	59	—	
Holyhead ...	30.31	63	Z	0	b	30.31	- .05	68	64	+ 8	Z	0	bc	0	68	59	—	
Parsonstown ...	30.27	81	SSE	1	b	30.27	- .06	65	61	- 4	Z	0	b	*	82	52	—	
Valencia ...	30.25	72	SSE	2	bm	30.19	- .11	72	65	+ 3	Z	0	bm	*	74	57	—	
Roche's Point...	30.30	69	SE	2	b	30.25	- .10	69	62	+ 8	ESE	3	bm	3	71	60	—	
Pembroke ...	30.27	75	NNE	2	b	30.28	- .05	65	62	+ 3	ESE	4	b	3	77	58	—	
Scilly ...	30.23	70	ENE	3	b	30.20	- .09	64	61	- 5	ESE	6	bm	5	73	61	—	
Prawle Point ...	30.26	69	ENE	3	b	30.28	- .05	65	60	- 6	ENE	5	b	4	79	58	—	
Jersey ...	30.24	73	ENE	4	b	30.23	- .05	68	63	- 2	ENE	3	bm	3	79	61	—	
FRANCE & NETHERLANDS.																		
Hurst Castle ...	30.29	65	E	2	m	30.31	- .02	65	60	+ 1	E	4	b	3	78	55	—	
Dungeness ...	30.30	60	E	4	bc	30.30	- .03	61	58	- 2	E	4	bc	3	65	55	—	
London ...	30.33	69	ENE	3	b	30.35	00	66	60	+ 1	E	3	b	*	78	55	—	
Oxford ...	30.31	68	ENE	1	bc	30.35	- .01	64	61	+ 1	E	1	b	*	79	53	—	
Cambridge ...	30.33	68	ESE	1	c	30.38	+ .01	66	61	+ 2	ESE	1	b	*	80	50	—	
Yarmouth ...	30.37	60	ENE	1	b	30.41	+ .03	59	56	+ 1	Z	0	b	1	62	54	—	
GERMANY.																		
Cuxhaven ...	30.18	59	NW	5	bc	30.25	+ .04	59	52	- 4	NNE	3	b	*	68	50	—	
Berlin ...	*	*	*	*	*	30.33	- .01	60	53	- 5	N	2	b	*	79	55	—	
Wiesbaden ...	*	*	*	*	*	30.29	- .06	58	52	- 5	NE	4	c	*	75	53	—	
Munich ...	30.24	66	Z	0	c	30.29	+ .04	60	55	+ 1	NE	1	bc	1	64	55	—	
FRANCE & NETHERLANDS.																		
The Helder ...	30.36	60	NE	1	bc	30.39	+ .04	60	55	+ 1	NE	1	bc	1	64	55	—	
Brussels ...	*	*	*	*	*	30.33	+ .01	59	55	- 8	ENE	5	b	3	68	55	—	
Cape Gris Nez...	30.34	58	NE	5	c	30.26	+ .02	62	58	- 5	NE	4	b	*	87	58	—	
Paris ...	30.23	77	NNE	4	b	30.18	- .06	70	63	+ 2	E	4	b	3	86	59	—	
Brest ...	30.17	59	NE	5	b	30.17	- .09	67	62	- 7	E	4	b	2	90	64	—	
Lorient ...	30.16	85	Z	0	b	30.14	- .10	71	66	+ 2	ENE	5	b	2	100	54	—	
Rochefort ...	30.13	82	N	4	b	30.12	- .08	64	58	- 7	N	3	b	*	87	60	—	
Belfort ...	30.10	80	N	1	bc	30.01	- .17	69	61	+ 2	S	1	b	4	77	61	—	
Lyons ...	30.12	67	W	1	o	30.07	- .12	72	67	+ 7	SW	3	b	*	82	59	—	
Nice ...	30.09	75	NE	3	bc	30.04	- .13	73	69	+ 4	Z	0	b	0	81	68	—	
Perpignan ...	30.08	76	NE	3	b	29.96	- .07	75	65	0	E	4	b	2	84	72	—	
Biarritz ...	*	*	*	*	*													
Corunna ...	*	*	*	*	*													
Lisbon ...	29.97	77	ESE	4	c													

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

Friday, 17<sup>th</sup> June.

1887.

## 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.

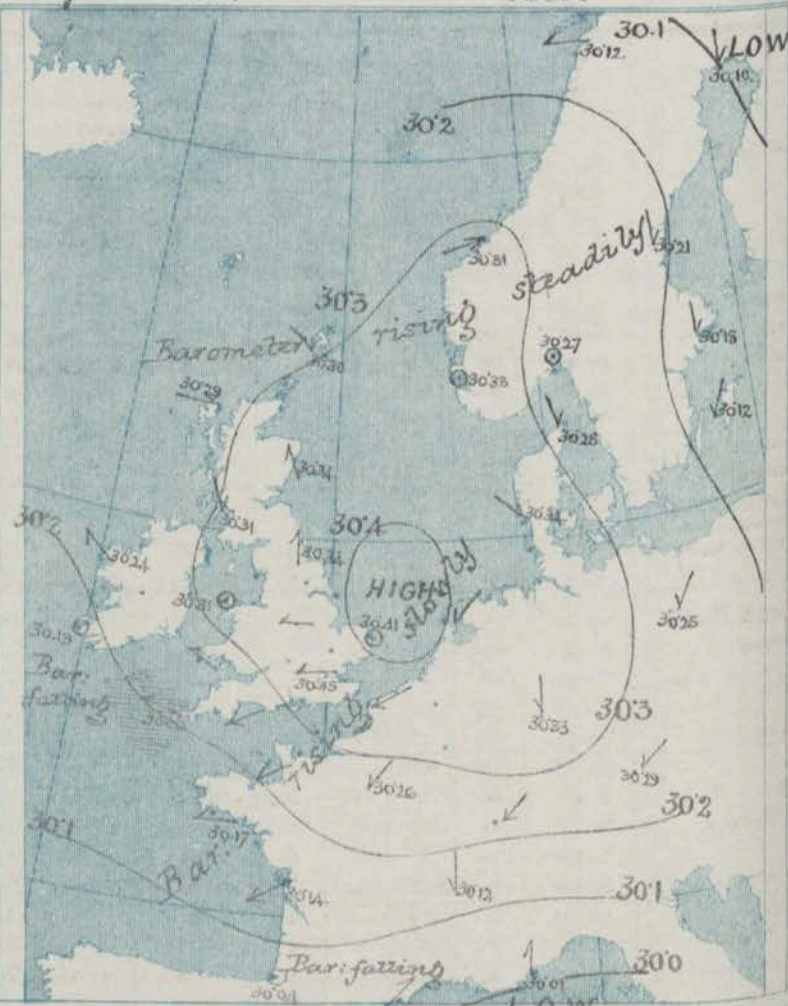
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of June.  
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.860
Stornoway	29.832
Wick	29.861
Nairn	29.863
Aberdeen	29.876
Leith	29.892
Shields	29.918
York	29.936
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.969
Dover	29.962
LONDON	29.963
Oxford	29.953
Cambridge	29.960
Yarmouth	29.956



## 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.

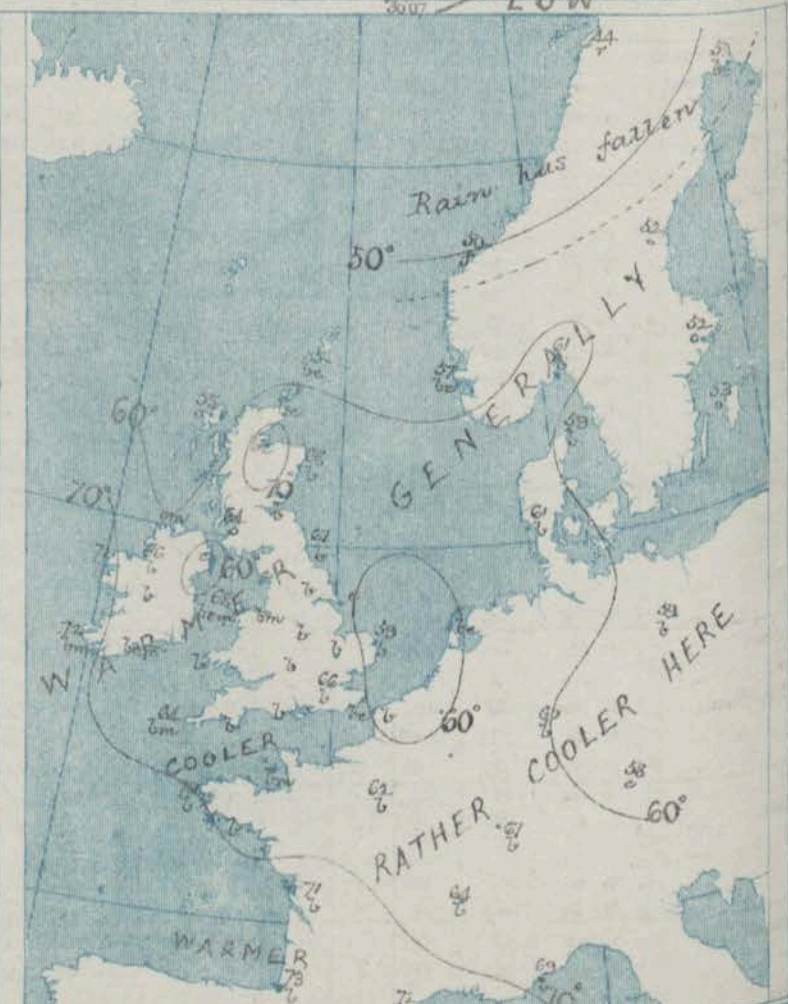
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## 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	54.9	45.5	50.7	49.1	2.07
Stornoway	58.3	46.4	54.2	51.7	2.99
Wick	59.2	46.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	66.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866—85.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.41 ins at Portsmouth, but high 30.3 ins and upwards over nearly the whole of Great Britain, the North Sea, Norway, Denmark and the Netherlands.  
Lowest, 30.00 ins and less over Portugal; relatively low 30.1 ins at Haparanda.

## TEMPERATURE

Highest, 75° at Lisbon, 73° at Biarritz, 72° at Valencia and Perpignan and 71° at Airm, Belmullet and Rockport.  
Lowest, 44° at Rode, 50° at Christiansund, 52° at Ventspils and Stockholm, 53° at Haparanda and Wiborg and 55° at Lumburgh Head and Hornøya.  
[The highest maxima registered yesterday were 82° at Loughborough and Perssonstun and 80° at Shields and Cambridge.]

## WIND

Light from NE or N in Germany and the east of France; moderate or fresh from E over the Channel and Bay of Biscay.  
Light from SE at many of our northern stations; moderate from N in Sweden.

## WEATHER

Fine generally, but dull in Sweden and the west of Scotland and rainy at Rode.  
[Lightning was seen last evening at Lyons and thunder and lightning occurred early this morning at Jersey.]

## SEA

Rather rough at Lally and moderate at Christiansund and Braule Pond, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large anticyclonic system recently noticed over north-western Europe appears to be moving slowly in a northerly or north-easterly direction, and the barometer is now falling slightly on our extreme west and south-west coasts.  
The changes in pressure are, however, at present too slight to lead to any decided alteration in the weather.

## FORECASTS

For the 24 hours ending at NOON on 18<sup>th</sup> June 1887.

### DISTRICTS.

### FORECASTS.

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

Variable or S<sup>ly</sup> airs; fine, warm.

----- D° ----- D° -----

E<sup>ly</sup> and SE<sup>ly</sup> winds, light; fine, warm.

----- D° ----- D° -----

----- D° ----- D° -----

E<sup>ly</sup> winds, light or moderate; fine, warm.

### DISTRICTS.

### FORECASTS.

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

Light variable airs; fair generally.

Same as No. 2.

E<sup>ly</sup> and SE<sup>ly</sup> winds, moderate or fresh; fine generally.

Light breezes, chiefly SE<sup>ly</sup>; fine, warm.

----- 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.	Therm.	Wet.	Wind.	Wex.	Sea.		Bar.	Therm.	Wet.	Wind.	Wex.	Sea.		
Skudesnaes ...	30.33	57	51	WNW	4	c	3	Holyhead ...	30.35	66	60	N	1	b	1
Sumburgh Head ...	30.25	58	55	SW	1	b	1	Valencia ...	30.28	72	65	SSE	4	b	4
Stornoway ...	30.28	65	60	W	5	b	5	Sailly ...	30.27	71	64	E	3	b	3
Aberdeen ...	30.28	69	61	S	1	b	1	Dungeness ...	30.22	64	59	E	4	b	3
Shields ...	30.32	67	59	E	2	a	2	London ...	30.24	73	63	E	2	c	*
Ardrossan ...	30.33	67	64	SSW	1	b	1	Yarmouth ...	30.39	60	57	ENE	2	b	1
Malin Head ...	30.28	63	60	E	3	o	1	Jersey ...	30.46	78	67	ENE	3	b	3
Mullaghmore ...	30.29	72	63	SW	1	b	2	Rocheport ...	30.18	99	79	E	1	b	1
Belmullet ...	30.29	72	62	SW	1	b	*								

## GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Yesterday morning's reports showed that pressure still exceeded 30.1 in. over the whole of Central and Western Europe, with the British Isles and North Sea, the highest readings of all (30.35 in. to 30.38 in.) being recorded over Ireland and England. The gradients, though slight were favourable for NE winds over France and the Channel, for NW and N over the North Sea, and for SW to W over Scotland. The winds reported agreed with these conditions, but blew rather strongly on the eastern shores of the North Sea than might have been expected. The weather was fair or fine generally, but thunderstorms had occurred over Spain and the south-west of France, and showers at several of the Scandinavian and Finnish stations. Temperature was not very different from that recently observed, the morning readings varying from between 70° and 80° over the south-west of France, Spain, Algeria, the Mediterranean and the Adriatic to several degrees below 50° at some of the Scandinavian stations and on the eastern shores of the North Sea. The highest individual values reported were 80° at Palma, 78° at Trieste, 77° at Rostov, La Galle and Cagliari, 76° at Bordeaux and Barcelona, 75° at Fenigues and Lerins, 73° at Gioia Taormina, and 70° at Monaco; the lowest were 45° at Rodez, 46° at Archangel, 49° at Stockholm, 51° at Kuopio and 52° at Moscow.

During the day the weather underwent little change, but the easterly wind in the Channel spread further to the northward over the southern part of England, and the haze canopy, which prevailed over the sky in London dispersed. The maximum temperatures over England were not nearly as high as those observed on the previous day.

## EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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# DAILY WEATHER REPORT.

for Saturday 18<sup>th</sup> June 1887.

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

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STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 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 ..	30.15	57	SE	0	bc	30.10	-0.00	62	55	+9	N	2	b	*	66	41			
Hernösand ...	30.28	55	SE	0	c	30.23	+0.02	60	54	+8	SW	2	bc	*	70	48			
Stockholm ...	30.27	52	NE	2	b	30.13	-0.05	59	54	+7	W	2	b	*	59	48			
Widby ...	30.17	49	NW	4	b	30.23	+0.11	50	47	-3	NNE	4	b	*	57	43			
Bodö ...	30.23	48	WSW	4	c	30.21	+0.09	49	45	+5	SE	2	b	1	57	41	0.08		
Christiansund...	30.33	54	WSW	1	b	30.28	-0.03	54	51	+4	WSW	1	b	3	54	50			
Skudesnaes ...	30.34	60	NW	4	c	30.30	-0.08	64	58	+7	WNW	1	c	2	68	57			
Christiania Fjord (Farder)	30.23	62	W	14	b	30.31	+0.04	61	57	0	SSE	4	c	2	66	59			
Skagen (The Scaw)	30.25	59	SE	0	bc	30.32	+0.04	60	57	+1	SSW	1	0	0	72	54			
Fanö ...	30.27	54	NW	4	b	30.35	+0.01	62	58	+1	SE	3	b	*	66	54			
BRITISH ISLANDS.																			
Sumburgh Head	30.32	57	SE	0	0	30.23	-0.07	59	56	+4	SE	0	b	0	61	50			
Stornoway ...	30.25	60	E	1	b	30.27	-0.02	65	62	+10	E	1	cm	0	62	48			
Wick ...	30.30	61	S	1	b	30.27	-0.07	68	64	+1	NW	1	b	0	68	52			
Nairn ...	30.25	65	NNE	1	bc	30.27	-0.07	70	63	-1	W	1	bm	1	73	53			
Aberdeen...	30.30	64	SE	1	0	30.27	-0.07	74	67	+6	SE	0	b	0	75	53			
Leith ...	30.27	63	ESE	1	c	30.32	-0.01	68	62	+2	W	1	m	*	72	59			
Shields ...	30.30	70	SSE	3	0	30.31	-0.03	68	62	+1	W	1	b	2	72	59			
Spurn Head ...	30.26	59	SE	3	b	30.35	-0.04	61	57	+1	SE	0	bc	2	63	53			
York ...	30.34	73	SE	1	bc	30.36	-0.02	62	58	-1	S	1	b	*	79	55			
Loughborough	30.32	77	ESE	2	bc	30.36	-0.02	67	61	+1	E	2	bc	*	80	52			
GERMANY.																			
Androssau ...	30.23	70	SE	0	b	30.32	+0.01	70	64	+6	SE	0	bm	0	76	57			
Malin Head ...	30.22	75	SE	2	cm	30.28	+0.01	70	64	+10	S	2	cm	1	78	60			
Mullaghmore ...	30.21	75	SW	2	cm	30.30	+0.04	66	63	0	NW	1	bm	2	81	60			
Belmullet ...	30.19	76	SW	1	b	30.30	+0.06	69	64	-2	SW	1	b	*	80	58			
Donaghadee ...	30.28	64	SW	2	b	30.32	+0.01	62	58	+4	NE	1	m	0	68	56			
Barrow-in-Furness	30.28	72	ESE	1	bc	30.33	+0.01	65	60	0	ESE	4	b	*	74	61			
Liverpool (Bidston)	30.29	74	SE	2	bc	30.33	0.00	70	61	+2	SE	2	b	1	78	58			
Holyhead ...	30.23	65	NW	1	bm	30.33	+0.02	65	62	-3	SE	0	bm	0	71	57			
Parsonstown ...	30.23	75	SE	2	c	30.31	+0.04	70	64	+5	SE	0	b	*	81	55			
Valencia ...	30.17	71	SSE	4	bm	30.26	+0.07	71	62	+1	E	1	bm	1	73	60			
Roche's Point...	30.25	67	SE	3	b	30.28	+0.03	67	61	-2	E	4	bm	4	70	58	0.01		
Pembroke ...	30.25	72	ESE	2	b	30.29	+0.01	63	60	-2	ESE	3	m	2	71	58			
Seilly ...	30.19	65	ESE	6	bc	30.21	+0.01	64	61	0	E	5	b	4	67	57			
Prawle Point ...	30.26	63	ESE	4	b	30.25	-0.03	63	58	-2	ESE	6	b	5	68	56			
Jersey ...	30.20	67	NE	4	bm	30.19	-0.04	65	60	-3	NE	4	bm	3	75	58			
Hurst Castle ...	30.28	68	E	4	b	30.29	-0.02	62	60	-3	ESE	3	bm	1	74	57			
Dungeness ...	30.28	61	ESE	4	bc	30.29	-0.01	62	58	+1	ESE	4	bc	3	64	55			
London ...	30.32	68	ESE	4	b	30.33	-0.02	64	59	-2	ESE	2	b	*	74	53			
Oxford ...	30.32	65	SE	2	b	30.34	-0.01	63	58	-1	NE	1	b	*	75	51			
Cambridge ...	30.33	68	E	1	b	30.34	-0.04	64	59	-2	NE	1	b	*	79	45			
Yarmouth ...	30.38	61	ESE	2	b	30.36	-0.05	59	57	0	NE	1	b	1	62	50			
Cuxhaven ...	30.37	56	NW	3	b	30.32		64	60		E	1	b	*	7	53			
Berlin ...	30.21	64	NW	4	b	30.27	+0.02	57	49	-2	NE	3	b	*	72	52			
Wiesbaden ...	*	*	*	*	*	30.28	-0.05	65	55	+5	NE	3	b	*	72	54			
Munich ...	30.26	58	SE	0	0	30.26	-0.03	58	51	0	NE	2	c	*	64	46			
FRANCE & NETHERLANDS.																			
The Helder ...	30.34	60	NE	3	b	30.32	-0.07	60	57	0	NNE	3	b	2	64	57			
Brussels ...	*	*	*	*	*	30.31		61	57		ESE	1	b	*	75	52			
Cape Gris Nez...	30.26	59	NE	5	b	30.26	-0.07	60	58	+1	NE	3	b	2	64	55			
Paris ...	30.17	73	NE	4	b	30.21	-0.05	61	55	-1	NE	4	b	*	79	53			
Brest ...	30.12	73	E	3	b	30.15	-0.03	65	59	-5	ESE	3	b	0	88	59			
Lorient ...	30.13	70	E	4	b	30.13	-0.04	63	59	-4	ESE	4	b	2	90	61			
Rochefort ...	30.08	86	ESE	5	bc	30.08	-0.06	67	62	-4	NE	5	b	2	100	61			
Belfort ...	30.13	72	NE	5	b	30.14	-0.06	65	64	-2	NE	5	b	*	77	54			
Lyons ...	29.99	75	NW	5	bc	30.04	-0.08	61	53	-3	NW	3	b	*	81	56			
Nice ...	29.91	68	W	1	c	29.93	-0.08	71	67	+2	SW	1	b	0	79	61			
Perpignan ...	29.89	89	NW	3	b	29.93	-0.14	77	68	+5	SE	0	b	*	90	62			
Biarritz ...	29.96	80	NE	3	b	29.94	-0.10	73	68	0	SE	0	b	0	84	70			
Corunna ...	*	*	*	*	*														
Lisbon ...	29.88	73	WNW	4	0	29.91	-0.05	69	66	-6	SW	4	0	2	79	66			

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Saturday, 18<sup>th</sup> June 1887.

## 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.

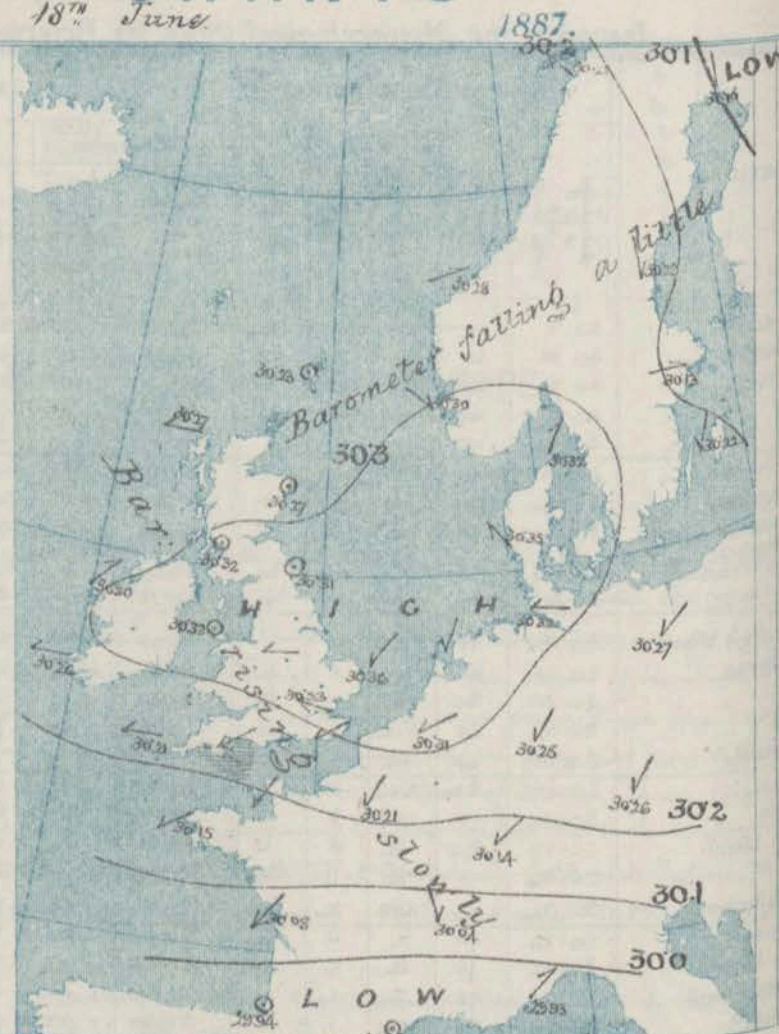
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of June.  
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.860
Stornoway	29.832
Wick	29.861
Nairn	29.868
Aberdeen	29.876
Leith	29.892
Shields	29.918
York	29.936
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.969
Dover	29.962
LONDON	29.963
Oxford	29.953
Cambridge	29.960
Yarmouth	29.956



## 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.

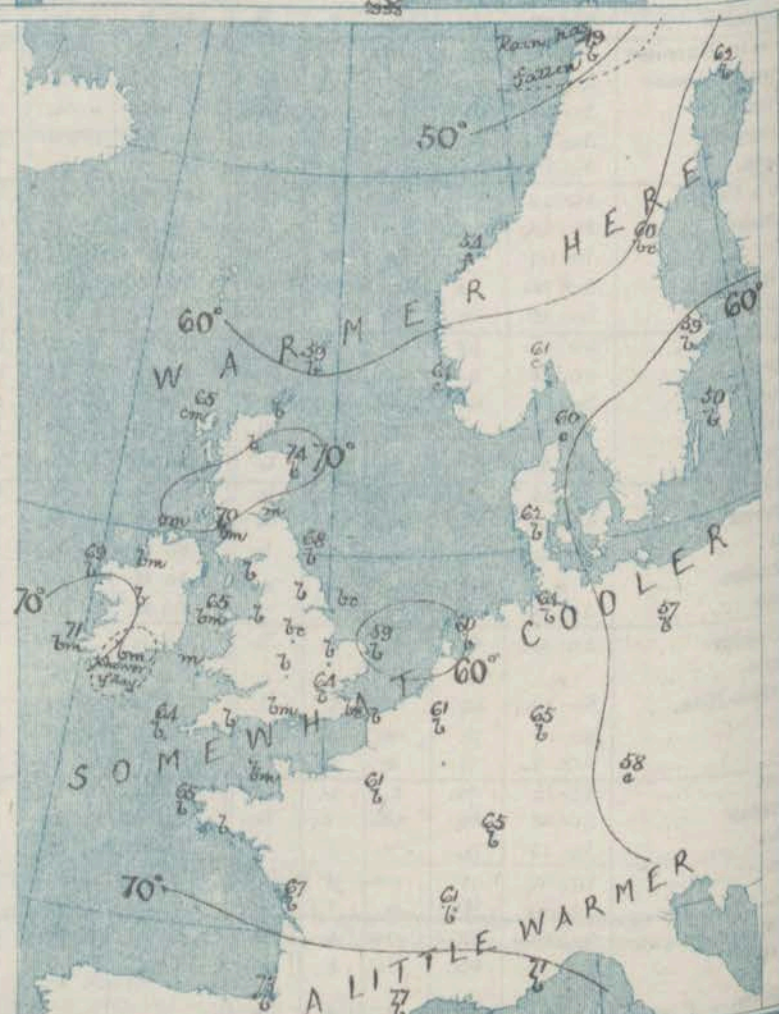
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## 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	54.9	45.5	50.7	49.1	2.07
Stornoway	58.3	46.4	54.2	51.7	2.99
Wick	59.2	46.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	66.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866—85.





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.3 in: and upwards in an anticyclone lying over the North Sea, Denmark, the greater part of England and Ireland and the Netherlands. Lowest, 30.0 in: and less, in the extreme south of France; 30.1 in: at Haparanda.
TEMPERATURE	Highest, 77° at Perpignan, 74° at Aberdeen, 73° at Biarritz, 71° at Nice, and 70° at Airm, Andros and Malin Hd. Lowest, 49° at Bodo, 50° at Nisby, 54° at Christiansund, 57° at Berlin, 58° at Munich, and 59° at Lumburg H. and Yarmouth. [During yesterday the thermometers rose to 80° at Loughboro and Kilmullet, and 81° at Mullaghmore and Harrogate.]
WIND	Moderate or fresh from E. or NE. over Germany, France, the greater part of England and the south of Ireland. Light and variable on our extreme northern coasts: N. in Sweden.
WEATHER	Fine generally, but hazy at some of our western and northern stations.
SEA	Rather rough at Howle Point, and moderate at Rock Point and Lill, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large anticyclone recently noticed over Western Europe is apparently moving slightly southwards, and the barometer is now falling a little in Scandinavia and the north of Scotland. Elsewhere, however, the mercury is rising slowly. There is at present no sign of any important change in the weather.

## FORECASTS

for the 24 hours ending at NOON on 19<sup>th</sup> June

1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Variable or SW <sup>2</sup> breezes; fair generally.	6 SCOTLAND WEST	SE <sup>2</sup> winds, light; fine, warm.
1 SCOTLAND EAST	Calms and variable airs; fine, warm.	7 ENGLAND N.W.	-----D°-----D°-----D°-----
2 ENGLAND N.E.	-----D°-----D°-----D°-----	8 ENGLAND S.W.	E <sup>2</sup> winds, fresh or strong; fine generally.
3 ENGLAND EAST	Same as No 5.	9 IRELAND NORTH	Same as No 0.
4 MIDLAND COUNTIES	Same as No 5.	10 IRELAND SOUTH	Same as No 5.
5 ENGLAND SOUTH	E <sup>2</sup> winds, light or moderate; fine, warm.	WARNINGS	NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.37	68	58	NW 2	bc	2	Holyhead ...	30.30	70	64	N 1	bm	1
Sumburgh Head ...	30.32	66	54	N 0	c	1	Valencia ...	30.18	72	65	SSE 4	bm	4
Stornoway ...	30.27	58	57	c 1	b	1	Scilly ...	30.21	66	63	SSE 6	bm	5
Aberdeen ...	30.32	67	61	SSE 2	c	1	Dungeness ...	30.31	63	58	ENE 4	bc	3
Shields ...	30.34	71	63	SE 3	c	2	London ...	30.35	70	59	SSE 3	b	*
Ardrossan ...	30.29	75	67	SSW 1	c	0	Yarmouth ...	30.39	61	58	E 2	b	1
Malin Head ...	30.22	67	62	ESE 2	o	1	Jersey ...	30.22	71	65	NE 4	bc	3
Mullaghmore ...	30.22	79	65	NW 1	b	2	Rocheport ...	30.12	96	75	ENE 5	bc	2
Belmullet ...	30.22	80	67	SW 1	b	*							

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

The reports for yesterday morning showed that pressure was still uniformly high over Western, Central and Southern Europe while there were slight gradients for N<sup>W</sup> winds over Poland, Austro-Hungary and Russia. Readings varied from 30.3 ins. and upwards over England and the various shores of the North Sea to 29.7 ins. at Moscow and over Central Russia generally and to 30.0 ins. over Spain and the Mediterranean. The winds were N<sup>W</sup> over the Baltic and at the Russian stations, where some showers of rain had again fallen, while in France they were NE<sup>W</sup>, and in the British Isles E<sup>W</sup> to SE<sup>W</sup>, and the weather was fine. Thunderstorms, however, had again been experienced in the southern parts of France as well as at the Algerian stations. Temperature had risen in the extreme west and north west, and was very high for the time of year at the Irish and Scotch stations, but had fallen in the far north. The morning readings varied from between 70° and 80° over Southern Europe and the Mediterranean to 70° or more in the extreme west and north of the British Islands to rather below 40° in the extreme north of Europe. The highest individual values were 85° at Oporto, 81° at Genoa, 79° at Cagliari, 77° at Oran and Sfax (Algeria), and at Limoges, Laoulre and Bordeaux, 74° at Legna and Trieste, 73° at Malta, 72° at Valencia (Ireland), 71° at Belmullet, and 70° at Nain as well as at Constantinople, Turin, and in many parts of France; the lowest were 38° at Archangel, 44° at Rodez, 53° at New Fahrwasser, 55° at Stornoway and Munster, and 57° at Memel.

During the day temperature did not rise to nearly as high a level over the south east of England as it did on Wednesday, but in the west of Ireland it reached 81° and at Loughboro' to 80°; while at some of the French stations it rose to 90°, but in Germany the highest of the maxima reported were only 72°.

### General Remarks on the Weather for the 24 hours ended 8 am June 16<sup>th</sup>

The reports for the morning of Wednesday (15<sup>th</sup>) showed that pressure exceeded 30.1 ins. over the whole of Northwestern, Western, Central and Southern Europe and the Mediterranean, the highest values of all (exceeding 30.3 ins.) being found in two small maxima lying, one over Ireland and the other over the Netherlands. Gradients were very slight except over Russia and Finland, where they were moderate and favourable for NW<sup>W</sup> winds. The winds reported were consequently extremely light and variable, except on the eastern shores of the Baltic where they were NW<sup>W</sup>; the weather was fine generally, but thunderstorms had occurred over Germany, and some rain had fallen over parts of Northern Europe and in the North of Scotland. Temperature varied from between 70° and 78° over Southern Europe and the Mediterranean to rather below 50° in the North of Norway; the highest of all were in Spain. The maximum individual values were 78° at Gouma and Barcelona, 77° at Bilbao, San Fernando and Lisbon, 73° at Cagliari, Palermo, Livorno, Rheims, and Hawke, 72° at Charisone and Jersey, 71° at Nantes and 68° at La Haye; the lowest were 45° at Rodez, 52° at Sumburgh 11<sup>th</sup>, and 53° at Kirkby. At Archangel the reading was 54°.

Later in the day temperature rose to between 80° and 85° over the southern half of England, to nearly 90° at many Continental stations, and to 91° at Barcelona. The weather remained fine as a whole, but thunderstorms occurred in the southern part of France at night.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Sunday 19<sup>th</sup> June 1887.  
 Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 116, Victoria Street, London, W. 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.	Reading at 32° F. and Sea Level.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)			Inch.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																			
Haparanda ..	29.63	55	W	2	bc	29.77	- 33	60	84	- 2	NW	4	bc	*	68	45	-		
Hernösand ...	30.05	64	Z	0	bc	29.99	- 24	60	51	0	NN	4	bc	*	79	48	-		
Stockholm ...	30.09	62	Z	0	bc	30.01	- 12	68	63	+ 9	E	2	bc	*	70	41	-		
Wisby ...	30.11	54	W	4	b	30.01	- 22	57	53	+ 7	W	4	b	*	61	46	-		
Bodö ...	30.07	45	NNE	2	r	30.02	- 19	45	44	- 4	SW	6	r	3	2	43	0.35		
Christiansund...	30.13	50	SW	2	f	30.22	- 06	48	45	- 6	WSW	3	o	3	?	43	0.16		
Skudesnaes ...	30.24	61	WNW	2	c	30.19	- 11	53	50	- 11	NNW	8	c	3	70	43	-		
Christiania Fjord (Færder)	30.12	61	SSW	4	bc	30.02	- 29	59	57	- 2	Z	0	f	1	63	57	-		
Skagen (The Scaw)	30.13	59	W	1	b	30.02	- 30	59	48	- 1	Z	0	c	0	73	52	-		
Fanö ...	30.24	54	W	2	b	30.14	- 21	64	60	+ 2	W	4	b	*	72	54	-		
BRITISH ISLANDS.																			
Sumburgh Head	30.31	55	N	2	c	30.38	+ 15	50	47	- 9	NNW	1	o	1	62	43	-		
Stornoway ...	30.34	54	E	3	o	30.35	+ 08	53	51	- 12	E	3	c	2	65	49	-		
Wick ...	30.25	56	NE	1	f	30.42	+ 15	55	51	- 13	NE	1	b	0	71	48	-		
Nairn ...	30.31	63	NE	3	c	30.40	+ 13	53	52	- 17	E	2	o	1	82	50	-		
Aberdeen...	30.29	68	E	1	bc	30.29	+ 12	52	51	- 22	NE	1	o	1	80	50	0.02		
Leith ...	30.31	66	ESE	2	o	30.36	+ 04	52	52	- 16	ENE	3	o	*	86	50	-		
Shields ...	30.27	70	S	2	bm	30.32	+ 01	55	53	- 13	NNE	3	om	3	72	55	-		
Spurn Head ...	30.30	59	SE	3	b	30.19	- 06	62	58	+ 1	Z	0	b	0	60	53	-		
York ...	30.28	78	SSE	1	b	30.29	- 07	66	61	+ 4	S	1	b	*	82	53	-		
Loughborough	30.28	78	E	2	b	30.30	- 06	65	59	- 2	Z	0	bc	*	81	49	-		
Ardrossan ...	30.28	66	Z	0	bm	30.33	+ 01	60	58	- 10	ENE	2	bm	1	75	57	-		
Malin Head ...	30.29	68	NW	2	om	30.33	+ 05	58	58	- 12	Z	0	of	0	72	56	-		
Mullaghmore ...	30.29	73	Z	0	b	30.32	+ 02	71	65	+ 5	Z	0	bw	0	75	58	-		
Belmullet ...	30.32	68	NNE	1	b	30.34	+ 04	58	57	- 11	NE	3	c	*	82	52	-		
Donaghadee ...	30.29	61	NNE	1	b	30.32	00	60	58	- 2	NE	4	m	2	66	57	-		
Barrow-in-Furness	30.27	71	NW	1	b	30.26	- 07	66	61	+ 1	NE	1	b	*	77	61	-		
Liverpool (Bidston)	30.26	75	NNE	1	b	30.28	- 05	70	63	0	WSW	1	b	1	81	60	-		
Holyhead ...	30.29	61	N	1	b	30.28	- 05	68	62	+ 3	Z	0	b	0	68	56	-		
Parsonstown ...	30.26	50	Z	0	b	30.30	- 01	68	63	- 2	NE	1	b	*	82	53	-		
Valencia ...	30.26	71	W	2	bm	30.26	00	71	64	0	NE	1	bm	1	80	54	-		
Roche's Point...	30.28	69	SE	1	b	30.26	- 02	65	60	- 2	N	1	b	1	71	55	-		
Pembroke ...	30.24	41	NNW	2	b	30.25	- 04	67	64	+ 4	ENE	2	b	1	73	58	-		
Scilly ...	30.18	65	E	5	b	30.17	- 04	64	60	0	ENE	4	bm	4	67	59	-		
Prawle Point ...	30.18	66	ENE	6	b	30.21	- 04	67	60	+ 4	ENE	5	b	5	68	59	-		
Jersey ...	30.14	67	NE	5	bm	30.14	- 05	67	62	+ 2	NE	3	bm	3	73	57	-		
Hurst Castle ...	30.22	67	ENE	3	b	30.22	- 07	66	62	+ 4	Z	0	bm	0	73	55	-		
Dungeness ...	30.22	63	ENE	4	b	30.21	- 08	63	59	+ 1	ENE	4	bc	3	69	55	-		
London ...	30.25	72	E	3	b	30.25	- 08	67	60	+ 3	E	2	b	*	77	54	-		
Oxford ...	30.26	70	NE	2	b	30.27	- 07	63	58	0	NE	1	bc	*	76	52	-		
Cambridge ...	30.27	72	E	1	b	30.27	- 07	66	60	+ 2	N	1	b	*	81	46	-		
Yarmouth ...	30.31	61	NNE	3	bv	30.28	- 08	61	58	+ 2	NNE	2	b	1	65	65	-		
Cuxhaven ...	30.32	58	N	2	b	30.28	- 04	66	61	+ 2	W	2	b	*	68	62	-		
Berlin ...	30.22	62	NNE	4	b	30.20	- 07	62	61	+ 5	NW	3	b	*	78	52	-		
Wiesbaden ...	*	*	*	*	*	30.23	- 05	65	54	0	E	3	b	*	75	52	-		
Munich ...	30.22	57	SE	2	b	30.23	- 03	59	52	+ 1	SE	2	b	*	64	41	-		
FRANCE & NETHERLANDS.																			
The Helder ...	30.27	64	NE	1	b	30.26	- 06	65	61	+ 5	ENE	1	b	1	70	57	-		
Brussels ...	*	*	*	*	*	30.20	- 06	60	59	0	NE	4	b	2	63	55	-		
Cape Gris Nez...	30.24	57	ENE	5	b	30.14	- 07	64	58	+ 3	NE	4	b	*	83	54	-		
Paris ...	30.12	75	ENE	2	b	30.10	- 05	64	60	- 1	E	4	b	3	88	55	-		
Brest ...	30.07	73	N	5	b	30.06	- 07	64	59	+ 1	E	5	b	2	79	61	-		
Lorient ...	30.03	76	E	5	b	30.00	- 08	68	52	+ 1	ENE	5	b	2	93	59	-		
Rockfort ...	30.01	84	ENE	5	b	30.12	- 02	66	56	+ 1	E	4	b	*	77	47	-		
Belfort ...	30.10	72	E	5	b	30.04	+ 11	72	63	+ 1	Z	0	o	2	81	66	-		
Nice ...	29.93	70	S	1	bc	30.03	+ 10	69	66	- 8	E	3	o	*	86	63	-		
Perpignan ...	29.86	81	NE	4	b	30.01	+ 08	73	68	- 14	NE	1	b	1	91	57	0.12		
Biarritz ...	*	*	*	*	*	30.00	+ 09	68	64	- 1	SSE	2	bc	2	73	64	-		
Corunna ...	24.46	68	SW	4	o	*	*	*	*	*	*	*	*	*	*	*	*		
Lisbon ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

Sunday 19<sup>th</sup> June

1887.

## 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

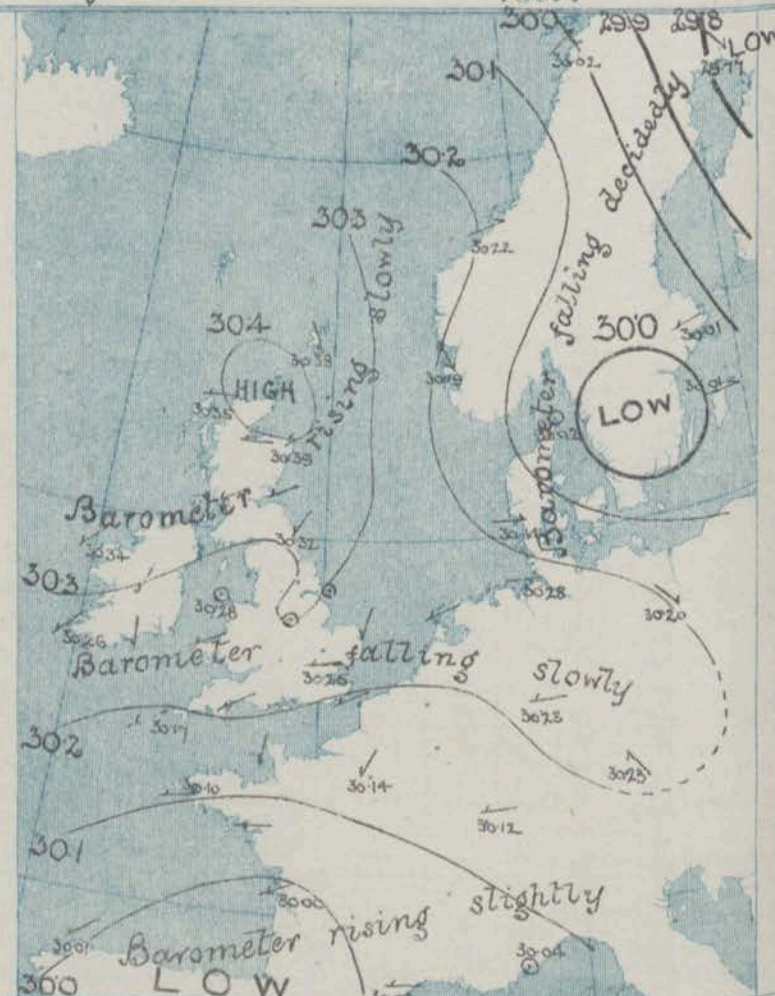
■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.860
Stornoway	29.832
Wick	29.861
Nairn	29.868
Aberdeen	29.876
Leith	29.892
Shields	29.918
York	29.936
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.969
Dover	29.962
LONDON	29.963
Oxford	29.953
Cambridge	29.960
Yarmouth	29.956



## 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.

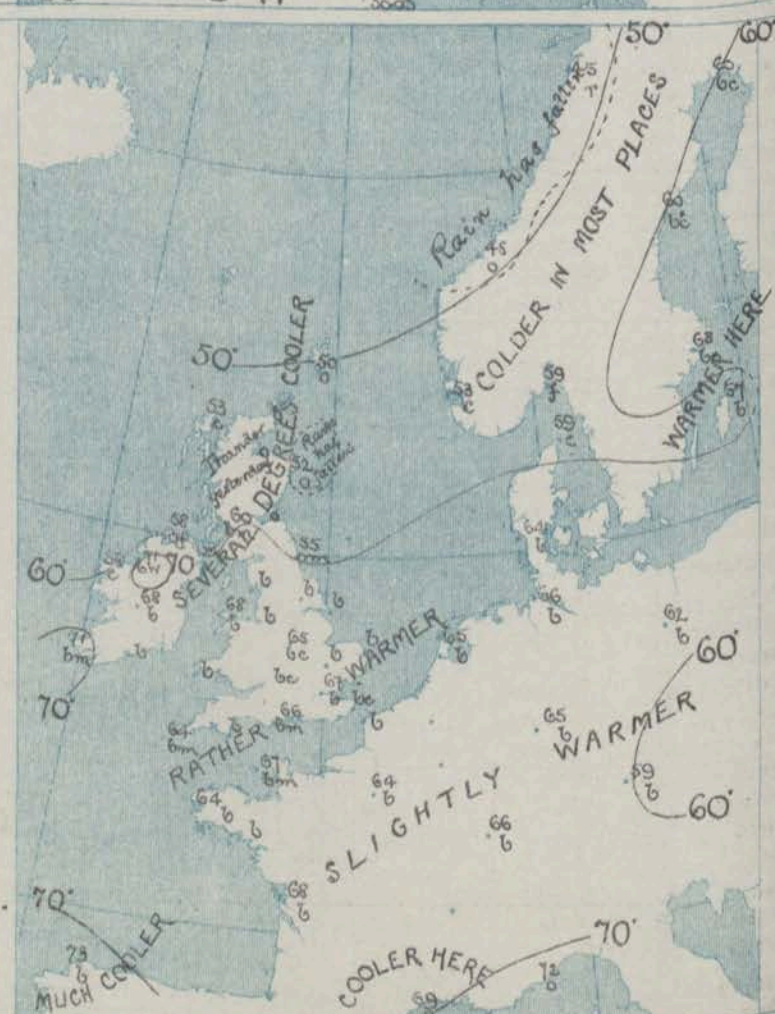
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of June.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	Average Dry.	Average Wet.	
Sumburgh Head	54.9	45.5	50.7	49.1	2.07
Stornoway	58.3	46.4	54.2	51.7	2.99
Wick	59.2	46.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	66.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	55.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	56.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

Note — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.4 ins: and upwards, in the extreme NE. of Scotland, high 30.3 ins: and upwards, over the whole of Scotland, as well as the N. part of Ireland and England.  
Lowest, 29.8 ins: and less, in the north of Sweden; relatively low 30.0 ins: and less, over Spain and also in a shallow depression lying over the south of Sweden.

## TEMPERATURE

Highest, 73° at Genua, 72° at Nice, 71° at Valencia and Belmullet, 70° at Liverpool and 69° at Perpignan.  
Lowest, 45° at Bodo, 48° at Christiansund, 50° at Lamlugh Head, and 52° at Aberdeen and Leith.

## WIND

Moderate NW<sup>2</sup> or W<sup>2</sup> over Scandinavia, Denmark and North Germany.  
Light to fresh from NE. or E. over the British Isles and France.

## WEATHER

Fine generally, but dull in the east of Scotland and northeast of England, as well as in the extreme south of France.  
[Thunder was heard yesterday in the neighbourhood of Tain and slight rain fell at Aberdeen.]

## SEA

Rather rough at Hawke Point, and moderate at Scilly, but slight smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of yesterday a small shallow depression appeared over Scotland and occasioned a slight fall of the barometer at many of our northern stations. The disturbance has, however, now moved southwards to Northern England where it is dispersing, and a new anticyclonic system has been formed over our northern coasts. In Scandinavia pressure is decreasing somewhat briskly.

## FORECASTS

for the 24 hours ending at NOON on 20<sup>th</sup> June 1887.

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

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



NONE ISSUED

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

NONE ISSUED.

### 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.
Skudesnes ...	30.28	69	60	WNW 4	b m	2	Holyhead ...	30.31	66	61	N 1	b	1
Sumburgh Head	30.28	58	56	NNW 1	b c	1	Valencia ...	30.26	78	68	WSW 2	b m	2
Stornoway ...	30.26	59	55	E 3	b c m	3	Scilly ...	30.20	66	61	E 5	b	4
Aberdeen ...	30.29	71	64	SSE 2	b	0	Dunoon ...	30.24	65	59	ESE 4	b	3
Shields ...	30.29	71	62	SSE 2	b	2	London ...	30.29	73	60	E 3	b	*
Ardrossan ...	30.29	75	67	L 0	b	0	Yarmouth ...	30.34	65	54	NE 3	b	2
Malin Head ...	30.30	70	64	NW 1	0	0	Jersey ...	30.16	72	62	NE 1	b	4
Mullaghmore ...	30.30	71	65	WNW 4	b m	2	Rochefort ...	30.21	91	73	NE 5	b	2
Belmullet ...	30.22	71	65	N 1	b	*							

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

The Continental reports for yesterday morning showed that a large anticyclone, in which readings exceeded 30.3 in., was still lying over North Western Europe, the lowest pressures 29.9 in. and less, being found respectively over Turkey and the south of Russia, and over Spain and Algeria. Light breezes from W. or NW prevailed over Scandinavia, but elsewhere the wind varied between NE and E, and at some of the French stations it blew somewhat freshly. The weather was fine generally but at some of the Algerian stations the sky was overcast, while at Ciacow, Lemberg and Odessa rain was falling. Temperature had risen a little over Northern Europe as well as in the extreme south of France, but fallen in most other localities; readings ranged from 75° and upwards over Southern Europe to 50° or less over Poland and the north of Norway. The highest individual readings were 84° at Fontenay, 83° at Bilbao, 82° at C-Bearn, 80° at Barcelona, and 77° at Perpignan, Lette and Cagliari; the lowest were 47° at Ciacow, 48° at Archangel, 45° at Riga and Kherlaw, and 51° at New Fahlwasser and Lemberg.

In the course of the day a very small shallow depression appeared over the west of Scotland occasioning thunder in some of the inland districts, and slight rain at Aberdeen. Over England and Ireland, however, the weather remained fine and maximum readings were recorded as high as 80° at Aberdeen and Valencia, 81° at Loughborough, York, and Cambridge, 82° at Kain, York and Harrogate, and 86° at Leith.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

**WEATHER.**—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (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 20<sup>th</sup> June

1887.

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

Issued by the Meteorological Office, 116, Victoria Street, London, W. H. SCOTT, Secretary.																	
STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.								PAST 24 HOURS.			
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.
			Dir.	Force. (0 to 12.)		Reading at 8 A.M. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	
<b>SCANDINAVIA.</b>																	
Haparanda ..	29.82	53	SE	0	b	29.86	+0.04	53	?	- 7	NE	4	c	*	66	48	-
Hernösand ...	29.87	55	NW	4	b	29.89	-0.10	52	47	- 3	NW	6	b	+	75	?	-
Stockholm ...	29.47	51	ESE	2	r	29.82	-0.19	46	43	-12	N	8	r	*	70	?	1.18
Wishby ...	29.81	60	S	4	o	29.66	-0.35	48	45	- 9	NE	8	r	*	70	?	0.39
Bodo ...	30.00	44	WSW	4	r	30.06	+0.04	44	43	- 1	SW	4	c	3	48	41	0.20
Christiansund...	30.19	46	W	3	b	30.24	+0.02	46	43	- 2	WNW	5	b	3	50	41	0.12
Skudesnaes ...	30.19	50	NW	8	b	30.27	+0.08	50	46	- 2	WNW	8	c	4	54	50	-
Christiania Fjord (Færd)	29.89	59	NNE	8	b	30.05	+0.03	52	44	- 7	N	8	b	2	68	52	-
Skagen (The Scaw)	29.74	61	NNE	5	b	30.02	-0.00	52	48	- 7	NNE	6	b	4	72	50	-
Fanö ...	30.02	52	NW	6	b	30.10	-0.04	58	52	- 6	WNW	4	c	*	66	52	-
<b>BRITISH ISLANDS.</b>																	
Sumburgh Head	30.40	53	WNW	3	bc	30.43	+0.05	52	49	+ 2	WNW	3	b	3	54	43	-
Stornoway ...	30.39	52	E	3	b	30.48	+0.13	53	53	0	NE	3	b	3	57	47	-
Wick ...	30.44	53	NE	3	o	30.49	+0.07	56	52	+ 1	N	2	b	0	61	40	-
Nairn ...	30.44	54	N	2	c	30.50	+0.10	54	50	+ 1	N	1	b	1	63	49	-
Aberdeen...	30.42	55	NE	3	c	30.47	+0.08	55	49	+ 3	NNE	4	bc	2	57	49	-
Leith ...	30.39	54	ESE	3	c	30.47	+0.11	53	48	+ 1	ESE	3	c	*	58	49	-
Shields ...	30.36	55	NNE	2	m	30.43	+0.11	53	49	- 2	NNE	1	om	3	57	50	-
Spurn Head ...	30.30	56	NNE	5	o	30.40	+0.11	55	51	- 7	NNE	5	bc	3	64	51	-
York ...	30.32	62	NNE	3	b	30.43	+0.14	52	49	-14	N	2	o	*	78	49	-
Loughborough	30.24	76	ESE	3	b	30.40	+0.10	53	50	-12	ESE	3	o	*	84	51	-
Ardrossan ...	30.33	63	ESE	3	bc	30.45	+0.12	54	50	- 6	ESE	3	bc	2	67	48	-
Malin Head ...	30.31	60	WNW	2	o	30.40	+0.07	54	51	- 4	ESE	3	om	2	62	53	-
Mullaghmore ...	30.29	70	NNE	1	bc	30.37	+0.05	59	54	-12	E	5	b	3	75	56	-
Belmullet ...	30.33	59	ESE	4	o	30.35	+0.01	66	63	+ 8	E	2	b	*	69	55	-
Donaghadee ...	30.31	62	NE	2	c	30.44	+0.12	57	54	- 3	NE	3	b	1	66	55	-
Barrow-in-Furness	30.22	74	ESE	3	b	30.42	+0.16	53	51	-13	NE	4	b	*	76	50	-
Liverpool (Bidston)	30.23	69	WNW	2	b	30.39	+0.11	58	52	-12	E	2	b	2	78	52	-
Holyhead ...	30.25	61	WNW	1	bc	30.34	+0.06	58	53	-10	ESE	3	bc	2	68	54	-
Parsonstown ...	30.24	79	SE	0	c	30.34	+0.04	59	57	- 9	SE	1	o	*	82	55	-
Valencia ...	30.24	70	WNW	1	om	30.27	+0.01	70	65	- 1	SE	0	bc	1	81	57	-
Roche's Point...	30.26	64	SE	1	b	30.28	+0.02	67	62	+ 2	ESE	4	bc	3	72	57	-
Pembroke ...	30.22	68	NNE	2	b	30.29	+0.04	60	57	- 7	E	4	bc	3	74	59	-
Scilly ...	30.16	70	ESE	2	b	30.19	+0.02	65	60	+ 1	E	5	bc	4	70	59	-
Prawle Point ...	30.18	65	NE	4	?	30.24	+0.03	62	57	- 5	ESE	7	b	7	74	58	-
Jersey ...	30.10	69	NE	5	b	30.16	+0.02	59	56	- 8	ESE	6	bc	5	74	58	-
Hurst Castle ...	30.16	68	E	3	b	30.30	+0.08	59	57	- 7	ESE	5	c	2	75	54	-
Dungeness ...	30.16	64	ESE	4	bc	30.27	+0.06	56	53	- 7	ESE	5	c	4	70	53	-
London ...	30.21	74	SE	3	bc	30.33	+0.08	59	53	- 8	NE	2	c	*	81	54	-
Oxford ...	30.23	69	NE	3	b	30.36	+0.09	55	52	- 8	NE	4	bc	*	78	53	-
Cambridge ...	30.29	72	N	2	b	30.38	+0.11	56	52	-10	NE	2	o	*	82	50	-
Yarmouth ...	30.24	64	NNE	3	b	30.35	+0.07	57	53	- 4	NNE	4	b	4	65	51	-
Cuxhaven ...	30.16	53	NW	4	b	30.08	-0.20	64	62	- 2	WNW	6	o	*	66	52	-
Berlin ...	30.02	71	WSW	1	b	29.97	-0.23	56	50	- 6	WNW	7	c	*	81	54	-
Wiesbaden ...	*	*	*	*	*	30.15	-0.08	68	59	+ 3	N	3	b	*	75	52	-
Munich ...	30.12	60	NE	1	*	30.16	-0.07	63	55	+ 4	SW	2	b	*	68	46	-
<b>FRANCE &amp; NETHERLANDS.</b>																	
The Helder ...	30.22	58	?	3	b	30.27	+0.01	55	50	-10	NNE	4	c	3	66	53	-
Brussels ...	*	*	*	*	*	30.24	*	60	56	*	NNE	1	o	*	81	55	-
Cape Gris Nez...	30.20	63	NE	5	b	30.25	+0.05	54	54	- 6	NE	8	o	6	66	52	-
Paris ...	30.09	77	ESE	3	b	30.18	+0.04	64	58	0	NNE	3	b	*	84	54	-
Brest ...	30.06	71	ESE	4	b	30.11	+0.01	62	58	- 2	ESE	5	b	2	88	55	-
Lorient ...	30.03	77	E	4	b	30.08	+0.02	64	59	0	ESE	5	bc	3	81	54	-
Rochefort ...	29.99	89	E	4	b	30.08	+0.08	69	67	+ 1	SE	4	o	2	102	61	-
Belfort ...	30.11	76	E	3	b	30.12	00	68	58	+ 2	NE	3	b	*	80	49	-
Lyons ...	29.97	80	NNE	1	b	30.09	+0.06	66	63	*	SSE	1	c	*	81	55	-
Nice ...	30.05	68	SE	0	bc	30.10	+0.06	69	59	- 3	S	1	b	0	75	57	-
Perpignan ...	30.02	72	NE	3	c	30.10	+0.07	70	69	+ 1	NE	3	o	*	79	63	-
Biarritz ...	29.93	75	NNE	4	c	30.08	*	71	65	*	W	4	o	3	81	66	0.08
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lisbon ...	30.09	69	WNW	5	b	30.14	+0.14	67	62	- 1	NW	4	b	2	75	63	-

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Monday, 20<sup>th</sup> June, 1887.

## BAROMETER, WIND & SEA.

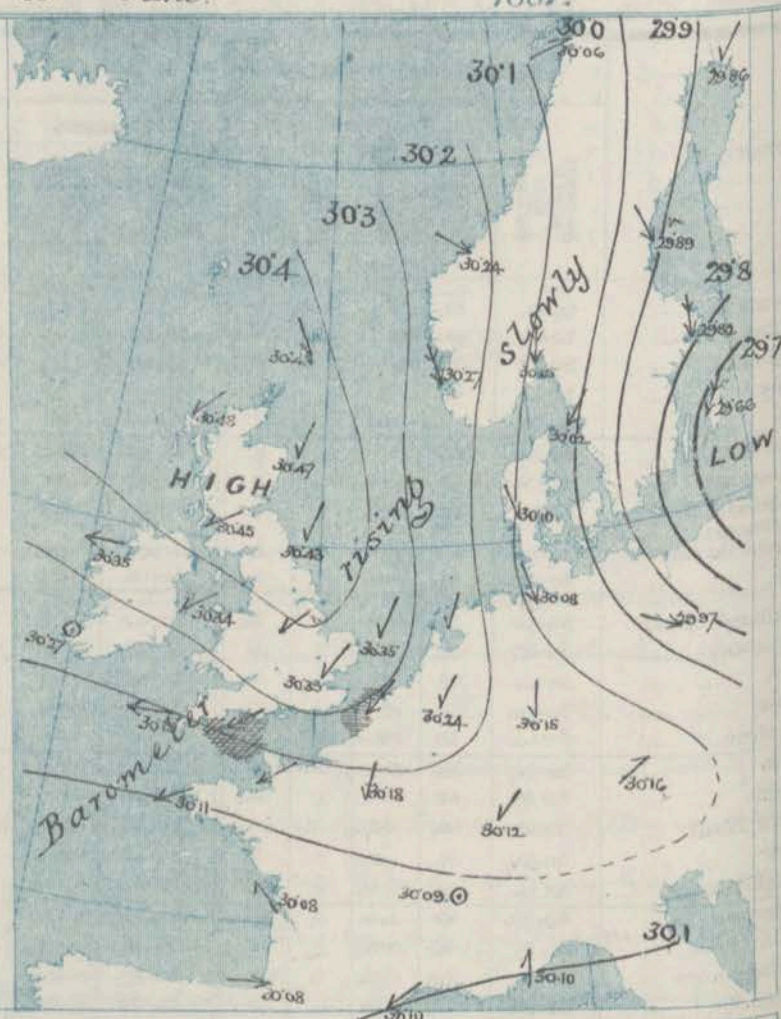
(Explanation of Map)

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- 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 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head.	29.860
Stornoway.	29.832
Wick.	29.861
Nairn.	29.868
Aberdeen.	29.876
Leith.	29.892
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York.	29.936
Ardrossan.	29.895
Donaghadee.	29.898
Holyhead.	29.929
Liverpool.	29.930
Valencia.	29.929
Roche's Point.	29.929
Pembroke.	29.937
Scilly.	29.971
Hurst Castle.	29.969
Dover.	29.962
LONDON.	29.963
Oxford.	29.963
Cambridge.	29.960
Yarmouth.	29.956



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

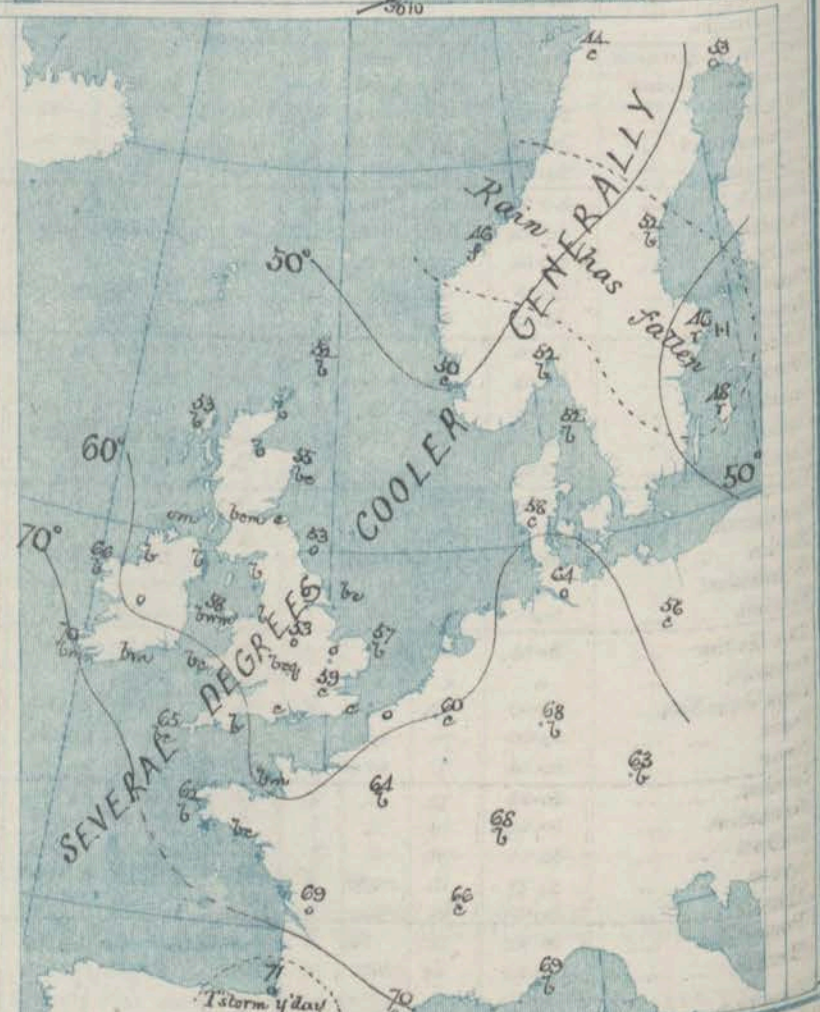
- Temperature** — Isotherms are drawn for each 10° Changes since previous morning are stated in words.
- Weather** — is shown by Letters of the Beaufort Scale.
- Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, 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.	At 8 a.m. Wet.	
Sumburgh Head.	54.9	45.5	50.7	49.1	2.07
Stornoway.	58.3	46.4	54.2	51.7	2.99
Wick.	59.2	46.0	53.3	50.7	1.75
Nairn.	62.7	48.4	54.8	50.8	1.88
Aberdeen.	61.5	48.2	54.8	51.1	1.88
Leith.	65.2	48.4	56.4	53.1	1.84
Shields.	61.2	50.1	55.2	51.9	1.82
York.	66.5	48.6	56.6	53.2	2.45
Ardrossan.	63.1	50.6	55.6	52.1	2.62
Donaghadee.	61.4	49.4	55.4	53.3	2.04
Holyhead.	62.5	52.1	55.7	53.3	2.10
Liverpool.	64.2	51.2	56.9	53.0	1.96
Valencia.	62.0	51.3	56.9	53.9	3.42
Roche's Point.	66.1	51.5	56.8	53.6	3.26
Pembroke.	61.2	51.8	55.4	53.2	2.09
Scilly.	61.5	53.4	57.2	55.2	1.94
Hurst Castle.	64.1	52.7	58.1	55.9	2.07
Dover.	63.8	53.5	59.1	55.5	1.72
LONDON.	70.0	50.7	59.5	55.3	2.12
Oxford.	67.8	49.1	57.2	53.9	2.28
Cambridge.	69.4	49.0	58.1	54.9	2.40
Yarmouth.	62.6	51.7	57.2	54.4	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.4 ins. to 30.5 ins., over Scotland and the north of England.  
Lowest, about 30.0 ins., over the north of Spain, and about 29.6 ins. over the Baltic, near the Island of Gotland.  
Gradients are moderate in the east, slight elsewhere. Barometer rising generally.

## TEMPERATURE

Highest, 71° at Biarritz, 70° at Perpignan and Valencia, 69° at Nice, 68° at Wiesbaden and Lyons, 66° at Belmullet, and 63° at Affanch.  
Lowest 44° at Bodo, 46° at Christiansund and Stockholm, 48° at Wisby and 52° at Sumburgh Head.  
It is much lower over England and the North Sea than it was yesterday.

## WIND

Moderate from N. on our northeast coasts, fresh to strong NE. in the south.  
Moderate E. in the west, light and variable from NE. over France.  
To the eastward of the North Sea it is N. and NW., strong to a gale.

## WEATHER

Clear or nearly so in most places, but dull over our northeastern and midland counties, and rainy in the Baltic and south of Sweden — where heavy rain fell yesterday.  
It was very dull cold and gusty in London early this morning, and some spots of rain fell.

## SEA

Rough at the mouth of the Channel, moderate over the eastern part of the Channel, slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed over Sweden yesterday morning, after growing much deeper has passed away to the SE., and the small local disturbance noticed over Lancashire has dispersed.

The anticyclone which had appeared over Scotland, however, had increased in intensity and spread southwards over England and Holland. Gradients are becoming more regular and less steep, and the indications are favourable for very fine dry weather generally, and NE. winds. The western temperatures will probably be higher than the eastern, and a cold night is probable over England.

## FORECASTS

For the 24 hours ending at NOON on 21<sup>st</sup> June 1887.

### DISTRICTS.

### FORECASTS.

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

N. breezes, moderate to light; fair.

D° D° D°

D° D° D°

Same as N° 5

Same as N° 5

NE. breezes, moderate; fine.

### DISTRICTS.

### FORECASTS.

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

NE. breezes, light; fine.

D° D° D°

NE. breezes, fresh; fair, dry.

E. breezes, moderate; fine.

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.	Ther.	Wet.	Wind.	Wen.	Sea.		Bar.	Ther.	Wet.	Wind.	Wen.	Sea.
Skudeenace ...	30.19	54	48	NW 8	c	4	Holyhead ...	30.27	64	60	NW 1	b	1
Sumburgh Head							Valencia ...						
Stornoway ...	30.37	56	54	E 3	b	3	Soilly ...						
Aberdeen ...							Dungeness ...	30.18	69	63	ENE 4	bc	3
Shields ...							London ...						*
Ardrossan ...							Yarmouth ...						
Malin Head ...	30.33	60	58	NW 2	o	1	Jersey ...	30.13	73	63	ENE 5	b	4
Mullaghmore ...							Rocheport ...	30.02	95	77	E 4	b	2
Belmullet ...	30.33	63	60	NNE 1	b	*							

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

The reports for yesterday morning showed that while the highest pressures (30.3 ins and upwards) were lying over and to the northward of the British Islands large areas of relatively low readings (29.9 ins and less) were found respectively over Lapland and Finland and over Roumania and the south-west of Russia. In addition to these a shallow depression was also lying over the south of Sweden. With these conditions NW winds prevailed over the greater part of Scandinavia, the Baltic provinces and Germany, while NE breezes were reported over France and the south of our islands and variable airs over Algeria and Italy. The weather was dull in the north of Norway as well as over the east and south of Europe, with rain at Christiansund and Samberg, but elsewhere the sky was clear or nearly so. Temperature had risen a little over the Netherlands, Austria and the greater part of Russia, but fallen in most other countries, — rapidly over Scotland, readings ranged from 75° and upwards over southern Europe and 70° and upwards over the south-west of Ireland to 55° and less in Scotland, and to 50° and less over the north of Norway. The highest individual readings were 82° at Cagliari, 79° at Barcelona, 77° at Marseilles, 75° at Croisette and Malta, and 73° at Algiers, Annale and Corunna; the lowest were 45° at Rodo, 48° at Christiansund, 50° at Sumburgh Head, 51° at Hermannstadt, 52° at Aberdeen and South and 53° at Stornoway and Hain.

In the course of the day the depression over the south of Sweden moved slowly eastwards, while the high-pressure system to the northward of our islands extended southward. The changes in the winds and weather were, however, slight except in Scandinavia, where a strong NE breeze sprang up in the evening.

## SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 12<sup>TH</sup> TO THE 18<sup>TH</sup> JUNE 1887.

The weather experienced during this week has been warm and very fine over France, England and the east of Ireland; in the west of Ireland, however, and in Scotland, as well as on the eastern shores of the North Sea it was somewhat showery until Wednesday, when it cleared up on our coast, and the showers were confined to the Scandinavian stations. At first the type of gradient over the United Kingdom was westerly, while an anticyclone lay over France and the Bay of Biscay. On the 14<sup>th</sup>, however, the anticyclone moved northwards to our islands, and remained over us till nearly the end of the week. The maximum temperatures recorded varied from 80° to 85° on several occasions, and the air was very dry.

On Saturday the anticyclone began to disperse, and local disturbances appeared in different parts of our area, causing a great fall of temperature in Scotland, with fogs, clouds, some thunder and local showers, so that at the close of the week it was not improbable that the weather was falling into an unsettled condition.

## EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for

Tuesday 21<sup>st</sup> June

1887.

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

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.																		
STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 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	29.97	57	NE	2	b	30.12	+ .26	57	51	+ 4	N	4	b	*	62	48	-	
Hernösand	29.98	54	Z	0	c	30.08	+ .19	58	50	+ 6	N	2	b	*	61	50	-	
Stockholm	29.81	49	N	6	T	29.84	+ .02	51	49	+ 5	NE	8	0	*	55	41	0.28	
Wisby	29.71	48	N	9	T	29.75	+ .09	47	46	- 1	E/NE	6	f	*	50	43	0.91	
Bodö	30.17	46	W	2	c	30.24	+ .18	45	43	+ 1	W/SW	4	0	2	50	41	-	
Christiansund	30.23	47	N/NE	2	bc	30.26	+ .02	52	47	+ 6	ESE	2	b	2	52	42	-	
Skudesnaes	30.20	51	N/W	6	b	30.20	- .07	56	49	+ 6	N/W	2	b	3	52	43	-	
Christiania Fjord (Ferder)	30.01	58	N/NE	6	b	30.10	+ .05	53	45	+ 1	N	8	b	2	59	52	-	
Skagen (The Scaw)	29.99	55	N	2	b	30.04	+ .02	51	46	- 1	N/NE	5	b	4	63	48	-	
Fanö	30.06	49	NW	4	b	30.05	- .05	59	50	+ 1	N	4	b	*	63	46	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.38	53	N/W	3	bc	30.33	- .10	52	50	0	N/W	2	bc	3	56	46	-	
Stornoway	30.44	57	E	2	b	30.35	- .13	62	56	+ 9	Z	0	c	0	62	40	-	
Wick	30.50	63	N	1	b	30.39	- .10	61	58	+ 5	N	1	b	0	66	40	-	
Nairn	30.45	62	NE	2	b	30.41	- .09	59	54	+ 5	NW	1	b	1	65	41	-	
Aberdeen	30.46	60	E	2	b	30.40	- .07	62	52	+ 7	N/W	2	bc	2	65	42	-	
Leith	30.49	56	ESE	2	b	30.42	- .05	60	52	+ 7	W	1	b	*	61	43	-	
Shields	30.46	54	N/NE	2	b	30.41	- .02	55	48	+ 2	N/W	1	b	2	57	46	-	
Spurn Head	30.41	55	N/NE	5	b	30.37	- .03	57	52	+ 2	N	5	b	4	58	47	-	
York	30.43	58	N	2	b	30.41	- .02	57	54	+ 5	NW	1	b	*	64	41	-	
Longborough	30.39	63	E/NE	3	bc	30.42	+ .02	58	52	+ 5	N/W	2	b	*	69	42	-	
Ardrossan	30.43	65	E/NE	3	b	30.44	- .01	61	53	+ 7	Z	0	b	0	67	45	-	
Malin Head	30.40	57	NE	3	bm	30.42	- .02	57	52	+ 3	E	3	0	1	61	51	-	
Mullaghmore	30.37	66	E	4	b	30.40	+ .03	60	54	+ 1	E/NE	4	bc	2	69	52	-	
Belmullet	30.35	70	N/NE	3	b	30.37	+ .02	63	57	- 3	E	3	b	*	75	55	-	
Donaghadee	30.43	62	E	1	b	30.46	+ .02	57	53	0	E	2	b	0	63	55	-	
GERMANY.																		
Barrow-in-Furness	30.38	65	NE	3	b	30.43	+ .01	54	48	+ 1	NE	1	b	*	67	47	-	
Liverpool (Bidston)	30.37	64	E/NE	3	b	30.43	+ .04	61	50	+ 3	ESE	1	b	2	66	47	-	
Holyhead	30.36	61	E/NE	5	bm	30.40	+ .06	64	58	+ 6	E/NE	1	b	1	65	51	-	
Parsonstown	30.36	70	NE	1	b	30.38	+ .04	61	57	+ 2	Z	0	b	*	72	47	-	
Valencia	30.36	69	SW	1	c	30.32	+ .05	68	63	- 2	Z	0	bm	0	78	56	-	
Roche's Point	30.34	64	ESE	3	b	30.34	+ .06	65	61	- 2	ESE	3	bm	3	69	61	-	
Pembroke	30.31	62	NW	1	b	30.32	+ .03	56	54	- 4	ESE	4	b	3	65	55	-	
Seilly	30.24	64	E	5	b	30.29	+ .10	57	52	- 8	ESE	5	bm	5	66	57	-	
Prawle Point	30.29	59	E/NE	5	b	30.35	+ .11	53	50	- 9	E/NE	5	bc	6	65	51	-	
Jersey	30.22	61	E/NE	5	bm	30.28	+ .12	56	52	- 3	E/NE	5	bm	4	65	52	-	
FRANCE & NETHERLANDS.																		
Hurst Castle	30.29	65	ESE	2	b	30.36	+ .06	56	52	- 3	E/NE	2	b	1	69	46	-	
Dungeness	30.30	57	E/NE	4	bc	30.31	+ .04	55	52	- 1	E/NE	4	bc	3	62	49	-	
London	30.34	63	E	2	b	30.37	+ .04	57	51	- 2	N	1	b	*	73	46	-	
Oxford	30.37	55	NE	3	b	30.39	+ .03	58	53	+ 3	NE	1	b	*	66	43	-	
Cambridge	30.35	57	N	2	b	30.37	- .01	58	53	+ 2	N	2	b	*	69	42	-	
Yarmouth	30.37	57	N	4	bc	30.32	- .03	57	53	0	N/W	5	b	4	60	46	-	
Cuxhaven	30.12	50	N/W	6	bc	30.08	- .00	58	55	- 6	N	3	b	*	7	50	-	
Berlin	30.01	57	NW	4	c	29.92	- .05	54	50	- 2	NW	4	bc	*	70	48	-	
Wiesbaden	*	*	*	*	*	30.17	+ .02	55	49	- 13	NW	4	bc	*	73	50	-	
Munich	30.08	64	NW	1	c	30.09	- .07	54	49	- 9	NW	4	0	*	75	50	0.04	
FINLAND.																		
The Helder	30.26	53	N	4	c	30.20	- .07	55	51	0	N	4	c	3	57	47	-	
Brussels	*	*	*	*	*	30.24	- .00	56	55	- 4	NW	1	c	*	71	48	-	
Cape Gris Nez	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	
Paris	30.17	73	N/NE	4	b	30.28	+ .10	52	48	- 12	NE	4	bc	*	80	47	-	
Brest	30.13	70	NE	5	b	30.27	+ .16	57	54	- 5	ESE	5	b	4	88	52	-	
Lorient	30.12	74	N/NE	1	b	30.22	+ .14	58	54	- 6	E	7	b	2	86	55	-	
Rochefort	30.15	64	N	4	0	30.16	+ .08	64	61	- 5	E/NE	5	b	2	86	57	0.08	
Belfort	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	
Lyons	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	
Nice	30.08	66	Z	0	c	29.94	- .16	67	64	- 2	E	1	0	1	75	63	-	
Perpignan	30.07	70	NE	4	c	30.03	- .07	73	65	+ 3	SW	3	bc	*	80	62	0.20	
Biarritz	30.15	70	NW	3	0	30.14	+ .06	69	66	- 2	N	1	T	0	75	66	-	
Corunna	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	
Lisbon	30.10	68	N	7	b	30.03	- .11	69	64	+ 2	E/NE	3	b	2	77	61	-	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Tuesday, 21<sup>st</sup> June

1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

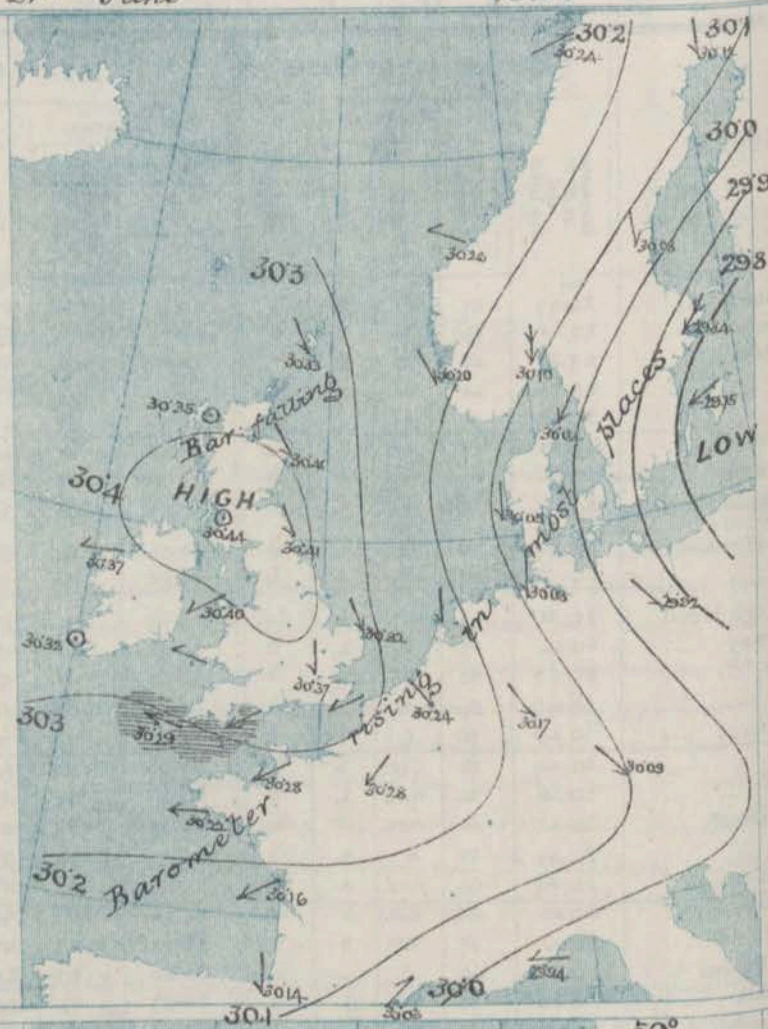
**Barometer**—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind**—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus—  
 — = forces above 10; — = forces 8 to 10;  
 — = forces 5 to 7; — = forces 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 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.860
Stornoway	29.832
Wick	29.861
Nairn	29.868
Aberdeen	29.876
Leith	29.892
Shields	29.918
York	29.936
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.969
Dover	29.962
LONDON	29.963
Oxford	29.953
Cambridge	29.960
Yarmouth	29.956



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

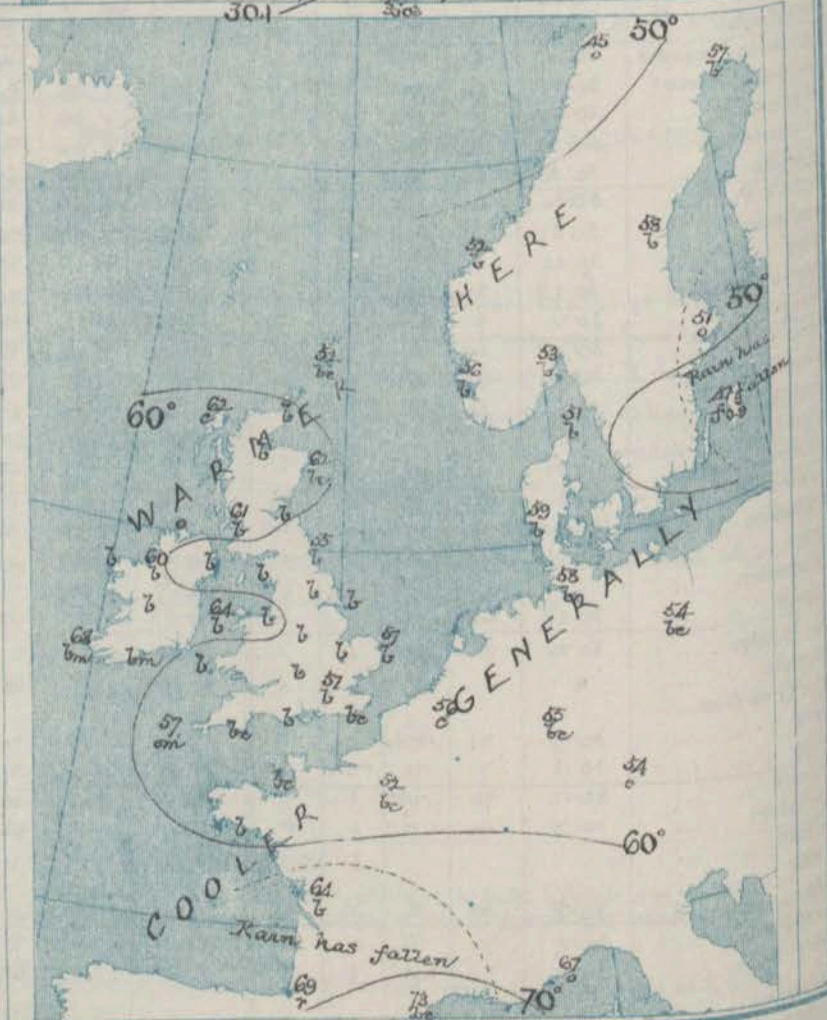
**Temperature**—Isotherms are drawn for each 10° Changes since previous morning are stated in words.  
**Weather**—is shown by Letters of the Beaufort Scale.  
**Rainfall**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are 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	54.9	45.5	50.7	49.1	2.07
Stornoway	55.3	46.4	54.2	51.7	2.99
Wick	59.2	46.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	66.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
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Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE—The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.4 in. and more over Scotland, the north of England, and the northwest of Ireland.  
Lowest, 29.7 in. over the Baltic, and about 30.1 in. over Spain.

Gradients very slight over the British Isles and neighbourhood. Barometer falling in north, rising slightly in south.

## TEMPERATURE

Highest 64° to 65° in the southwest of France, 65° to 68° in the south of Ireland.

Lowest 45° at Bodo, 47° at Nisby, 51° at Stockholm and the Scaw.

It has increased in Scotland and Ireland, but decreased over the south of England since yesterday.

## WIND

Very light from NW. in the north and east of Scotland — fresh N<sup>2</sup> on our east coast.

Moderate to fresh from ENE. in the south. Moderate E<sup>2</sup> at our western stations.

Calm in the west of Scotland. N<sup>2</sup> gale still prevail over the Baltic.

## WEATHER

Very fine almost everywhere — but dull and misty at Scilly.

(Dull and foggy at the Baltic stations also — Rainy at Biarritz.

## SEA

Rather rough over the western part of the Channel — Moderate in the east, slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone in the north is moving very slowly to the southward, so that NW<sup>2</sup> to W<sup>2</sup> breeze and warmer weather are probable over Scotland, and light or moderate N<sup>2</sup> to E<sup>2</sup> winds over England, with fine cool weather. Tonight will probably be cold at our inland stations.

## FORECASTS

for the 24 hours ending at NOON on 22<sup>nd</sup> Jun.

1887.

### DISTRICTS.

### FORECASTS.

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

NW<sup>2</sup> breezes, light to moderate; fair to showery.

NW<sup>2</sup> breezes, light; fine.

— D° — — — — D° — — — —

N<sup>2</sup> breezes, moderate; fine.

— D° — — — — D° — — — —

NE<sup>2</sup> breezes, moderate; fine.

### DISTRICTS.

### FORECASTS.

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

SE<sup>2</sup> air fine generally, warmer.

E<sup>2</sup> breeze, light or moderate; fine, warm.


— D° — — — — D° — — — —


— D° — — — — 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 ...	30.23	52	46	NW 8	C	4	Holyhead ...	30.36	63	58	ESE 4	b m	2
Sumburgh Head ...	30.40	56	51	WNW 3	b	3	Valencia ...	30.29	77	69	N 1	b m	1
Stornoway ...	30.46	57	54	E 3	b	3	Scilly ...	30.25	64	61	ESE 6	b	5
Aberdeen ...	30.47	62	51	E 4	b	2	Dungeness ...	30.29	61	54	ESE 5	b c	4
Shields ...	30.46	55	50	NE 2	b c	3	London ...	30.32	68	57	ESE 3	b	*
Ardrossan ...	30.43	65	58	ESE 3	b	2	Yarmouth ...	30.37	58	53	NE 4	b	4
Malin Head ...	30.41	58	53	E 3	0	2	Jersey ...	30.22	63	59	ESE 5	b	4
Mullaghmore ...	30.38	66	60	E 5	b	2	Rocheport ...	30.14	71	62	WNW 1	0	1
Belmullet ...	30.36	72	64	NE 2	b	*							

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

*The Continental Reports have not yet arrived.*

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Wednesday 22<sup>nd</sup> June 1887.  
Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.																		
STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	30.08	54	SSE	2	b	30.08	-.04	54	50	- 3	S	2	b	*	66	46	-	
Hernösand ..	30.14	54	2	0	b	30.03	-.05	58	50	0	NE	2	b	*	68	48	-	
Stockholm ..	30.01	54	NNE	6	b	29.95	+ .11	58	54	+ 7	NE	8	b	*	59	46	-	
Wishy ..	29.82	49	N	6	b	29.82	+ .07	47	45	0	N	6	b	*	50	43	0.04	
Bodö ..	30.16	46	WSW	4	o	30.02	-.22	46	46	+ 1	SE	2	r	1	48	43	0.08	
Christiansund...	30.23	50	WSW	1	o	30.21	-.05	50	50	- 2	WSW	6	f	3	54	46	-	
Skadesnaes ..	30.22	52	NNW	8	c	30.17	-.03	55	52	- 1	NNW	8	c	3	57	52	-	
Christiania Fjord (Færd)	30.10	65	NNW	4	b	30.08	-.02	59	52	+ 3	NNW	4	b	1	64	?	-	
Skagen (The Skaw)	30.08	58	NNE	2	b	30.07	+ .03	60	55	+ 9	N	1	bc	0	64	48	-	
Faro ..	30.13	53	NNW	6	b	30.15	+ .10	62	58	+ 2	NNW	4	b	*	64	50	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.20	54	NNW	3	b	30.34	+ .01	50	49	- 2	NNW	2	o	3	56	48	-	
Stornoway ..	30.25	63	E	1	b	30.35	.00	61	56	- 1	2	0	bc	0	65	43	-	
Wick ..	30.40	58	N	3	bc	30.34	-.05	64	58	+ 3	NNW	3	b	0	69	43	-	
Nairn ..	30.38	68	2	0	b	30.29	-.02	65	60	+ 6	2	0	b	0	76	47	-	
Aberdeen...	30.40	62	NE	2	bc	30.29	-.01	67	57	+ 5	N	1	b	2	69	50	-	
Leith ..	30.38	64	ESE	2	b	30.40	-.02	65	56	+ 5	2	0	b	*	75	47	-	
Shields ..	30.39	59	NNE	2	b	30.37	-.04	59	51	+ 4	N	2	c	3	64	54	-	
Spurn Head ..	30.37	61	NNW	6	b	30.34	-.03	56	53	- 1	NNE	4	b	3	62	51	-	
York ..	30.38	55	NE	3	b	30.36	-.05	60	53	+ 3	N	1	c	*	74	48	-	
Loughborough	30.34	71	NE	3	b	30.25	-.07	60	53	+ 2	NNE	3	b	*	76	47	-	
Ardrossan ..	30.39	61	2	0	b	30.40	-.04	64	57	+ 3	2	0	bc	1	64	51	-	
Malin Head ..	30.39	59	E	2	c	30.40	-.02	59	54	+ 2	NE	1	o	0	61	54	-	
Mullaghmore ..	30.37	67	ENE	3	c	30.40	.00	63	57	+ 3	N	1	bc	1	70	49	-	
Belmullet ..	30.36	70	ENE	1	b	30.29	+ .02	68	55	+ 5	E	2	b	*	73	55	-	
Donaghadee ..	30.42	63	SW	2	b	30.42	-.04	59	55	+ 2	NE	2	bc	0	64	53	-	
Barrow-in-Furness	30.36	62	NW	3	b	30.35	-.08	59	51	+ 5	N	2	c	*	65	54	-	
Liverpool (Ridston)	30.38	60	NW	2	b	30.37	-.06	62	50	+ 1	NNE	1	o	1	68	55	-	
Holyhead ..	30.40	59	NNE	1	b	30.38	-.02	58	55	- 6	NNW	1	c	1	67	52	-	
Parsonstown ..	30.35	71	E	1	c	30.41	+ .03	63	57	+ 2	2	0	b	*	72	46	-	
Valencia ..	30.34	69	N	1	bc	30.37	+ .05	65	57	- 3	2	0	bc	1	71	55	-	
Roche's Point...	30.38	64	ESE	3	b	30.35	+ .01	68	58	+ 3	E	2	b	2	68	51	-	
Pembroke ..	30.30	62	E	5	b	30.27	-.02	63	58	+ 6	ENE	4	bc	4	63	56	-	
Seilly ..	30.31	62	ENE	1	bc	30.29	-.06	55	50	+ 2	ENE	6	c	5	66	53	-	
Prawle Point ..	30.31	62	ENE	1	bc	30.29	-.06	55	50	+ 2	ENE	6	c	5	66	53	-	
Jersey ..	30.28	64	ENE	3	b	30.28	-.05	56	52	0	ENE	3	cmg	3	68	50	-	
Hurst Castle ..	30.29	68	NE	3	b	30.21	-.05	57	54	+ 1	E	4	c	2	72	49	-	
Dungeness ..	30.27	59	E	4	bc	30.26	-.05	56	51	+ 1	ENE	4	bc	3	67	52	-	
London ..	30.34	65	N	3	b	30.32	-.05	55	49	- 2	NE	3	o	*	72	51	-	
Oxford ..	30.32	61	NE	2	b	30.34	-.05	55	50	- 3	NE	3	c	*	71	47	-	
Cambridge ..	30.34	57	N	2	b	30.32	-.05	58	62	0	N	1	bc	*	70	47	-	
Yarmouth ..	30.30	58	N	4	bc	30.31	-.01	55	51	- 2	NNE	3	b	3	63	50	-	
Cuxhaven ..	30.12	52	N	6	bc	30.12	+ .04	61	59	+ 3	N	3	b	*	61	52	-	
Berlin ..	29.89	52	NW	5	r	29.94	+ .02	59	53	+ 5	NW	4	c	*	61	52	-	
Wiesbaden ..	*	*	*	*	*	30.15	-.02	60	52	+ 5	N	3	b	*	70	52	-	
Munich ..	30.15	50	NW	1	b	30.14	+ .05	52	46	- 2	W	3	o	*	57	43	-	
GERMANY.																		
The Helder ..	30.22	53	NNE	3	c	30.25	+ .05	54	52	- 1	NNW	3	b	2	57	52	-	
Brussels ..	*	*	*	*	*	30.25	+ .01	56	50	0	NNE	3	b	*	66	46	-	
Cape Gris Nez...	30.27	57	NE	7	bc	30.25	-.09	54	50	0	NE	7	o	5	66	50	-	
Paris ..	30.20	65	NNE	5	b	30.19	-.04	52	49	0	NE	4	b	*	72	45	-	
Brest ..	30.22	67	E	7	b	30.23	-.04	57	49	0	ENE	1	b	2	88	48	-	
FRANCE & NETHERLANDS.																		
Lorient ..	30.19	71	ENE	7	b	30.21	-.01	57	50	- 1	E	5	b	2	81	52	-	
Rocheport ..	30.18	76	ENE	5	b	30.14	-.02	58	55	- 6	ENE	5	b	2	84	50	-	
Belfort ..	30.11	59	E	4	c	30.05	-.04	60	52	+ 11	NNE	4	b	*	71	46	-	
Lyons ..	30.02	67	N	5	b	30.02	-.15	55	48	+ 3	NNW	4	b	*	73	51	-	
Nice ..	29.78	68	E	4	b	29.79	-.11	70	66	+ 2	E	1	o	2	81	63	-	
Perpignan ..	29.93	77	NW	3	c	29.92	-.11	75	66	+ 2	W	3	b	*	82	64	-	
Biarritz ..	30.04	74	N	4	b	30.00	-.14	63	55	- 6	ENE	4	c	1	75	61	-	
PORTUGAL.																		
Corunna ..	*	*	*	*	*													
Lisbon ..	29.96	73	NW	5	b	29.95	-.08	66	62	- 3	NNW	5	b	2	82	63	-	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

WEDNESDAY, 22<sup>ND</sup> June.

1887.

## 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.

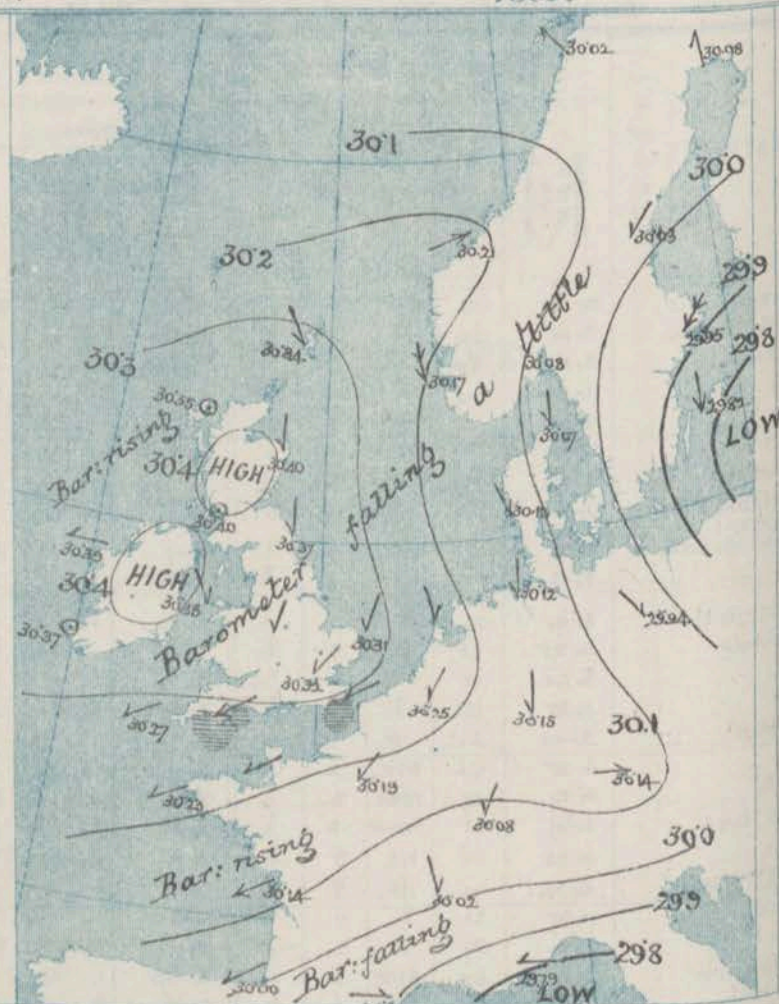
**Sea Disturbance** — where considerable is shown thus

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of June.  
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.860
Stornoway	29.832
Wick	29.861
Nairn	29.868
Aberdeen	29.876
Leith	29.892
Shields	29.918
York	29.936
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.969
Dover	29.962
LONDON	29.963
Oxford	29.953
Cambridge	29.960
Yarmouth	29.956



## 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.

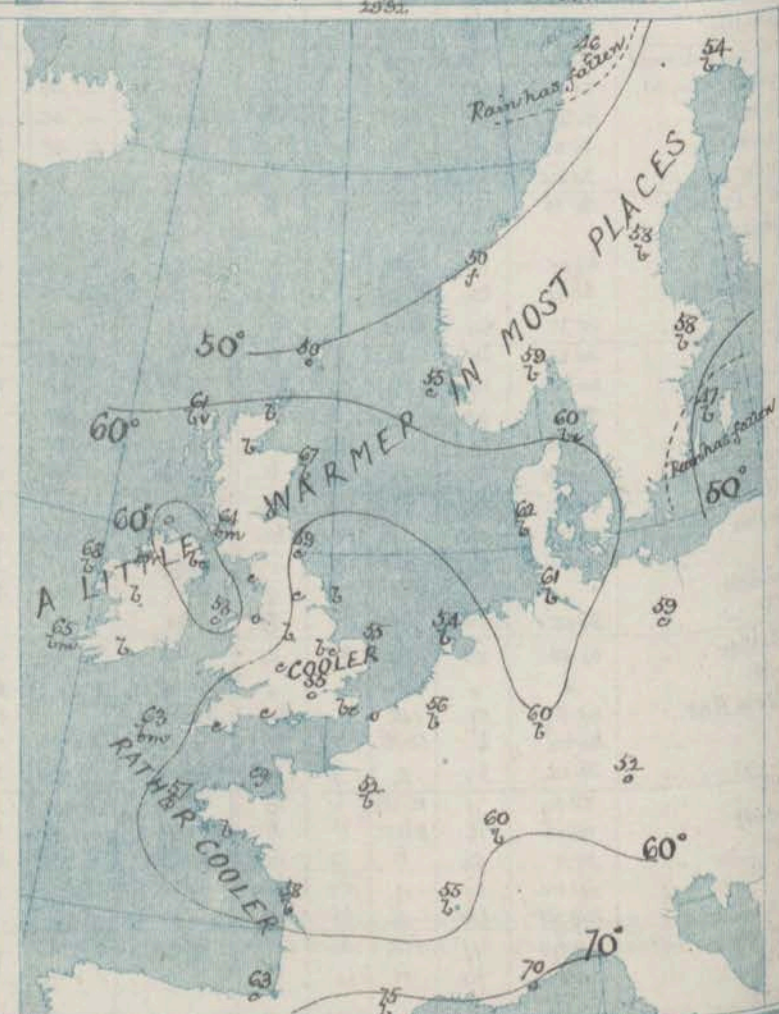
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## 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	54.9	45.5	50.7	49.1	2.07
Stornoway	58.3	46.4	54.2	51.7	2.99
Wick	59.2	46.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	66.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.6	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 in. and upwards, over Scotland and the north of Ireland; high 30.3 in. and upwards over the whole of the British Islands.  
Lowest, 29.8 in. & less over the Gulf of Genoa; low 29.9 in. & less over the Baltic.

## TEMPERATURE

Highest, 45° at Perpignan, 40° at Nice, 68° at Balmucciat, ~~Holghout~~ & Rocher Point & 64° at Aberdeen.  
Lowest, 46° at Bodo, 47° at Wisby, 50° at Christiansund & Lumburgh Head, 54° at Haparanda & 55° at Skudsmo.  
[During yesterday the thermometer rose to 44° at York, to 45° at Leith & to 46° at Havre & Loughborough.

## WIND

Light N<sup>W</sup> over the north of our islands; moderate to strong from the same quarter on the eastern shores of the North Sea.  
Moderate to fresh from N.E. or E over France and the south of our islands.  
Moderate from NW or W in Germany.

## WEATHER

Fine generally but dull in some isolated places and rainy at Bodo.

## SEA

Rather rough at Hawle Point & C. Luis Rey and moderate at Scilly, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A large anticyclone still lies over the whole of the United Kingdom, and the barometer is rising at all but the Scandinavian and English stations, where a slight fall is reported.

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

## FORECASTS

For the 24 hours ending at NOON on 23<sup>rd</sup> JUNE 1887.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	NW <sup>W</sup> winds, light; fair generally.
1	SCOTLAND EAST	N <sup>W</sup> winds, light or moderate; fair generally.
2	ENGLAND N.E.	.....D.....D.....D.....
3	ENGLAND EAST	Same as N <sup>o</sup> 5.
4	MIDLAND COUNTIES	Same as N <sup>o</sup> 5.
5	ENGLAND SOUTH	NE <sup>W</sup> winds, moderate or fresh; fair generally.



### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Calms and variable airs; fine generally.
7	ENGLAND N.W.	Same as N <sup>os</sup> 1 and 2.
8	ENGLAND S.W.	E <sup>W</sup> and NE <sup>W</sup> winds, fresh; fair generally.
9	IRELAND NORTH	E <sup>W</sup> and NE <sup>W</sup> winds, light; fine generally.
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.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.22	59	52	NW 6	c	3	Holyhead ...	30.42	61	56	NNW 1	b	1
Sumburgh Head ...	30.35	53	51	NNW 2	c	3	Valencia ...	30.35	68	63	SSE 3	cm	3
Stornoway ...	30.36	63	60	SW 1	b	1	Scilly ...	30.32	62	56	E 6	bm	5
Aberdeen ...	30.40	63	54	NE 4	bc	3	Dungeness ...	30.29	58	53	ENE 5	bc	4
Shields ...	30.39	61	52	NE 3	b	3	London ...	30.34	69	63	N 4	bc	*
Ardrossan ...	30.42	63	58	SSW 1	b	0	Yarmouth ...	30.31	60	55	N 5	bc	4
Malin Head ...	30.40	59	52	E 3	o	1	Jersey ...						
Mullaghmore ...	30.38	62	59	ENE 4	bc	2	Rocheport ...	30.44	82	70	ENE 5	b	2
Belmullet ...	30.47	72	64	NNW 1	b	.							

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

Yesterday morning's reports showed that pressure then varied from 30.4 in. and more over the northern part of the British Islands to about 30.0 in. over Spain and to about 29.7 in. in a depression the centre of which lay near Danzig. N<sup>ly</sup> and NE<sup>ly</sup> winds were consequently prevalent to the eastward of the North Sea and blew a gale on the Swedish Coast, while NE<sup>ly</sup> to E<sup>ly</sup> winds of less strength were felt in the British Islands and France, and NW winds over Germany and S<sup>ly</sup> over Central Russia. The weather was showery over the Baltic, fine and dry over the United Kingdom and north of France, but thunder and lightning had been very prevalent in the southwest of France and the neighbourhood of the Pyrenees on the previous evening. Temperature had fallen considerably over the Continent and south of England during the night and varied from 40° and more over Spain, the Mediterranean, the west of Ireland and Central Russia to between 50° to 60° over north Germany, the north of France, the North Sea and Great Britain. The highest individual readings were 84° at Cagliari, 79° at Cetta, 77° at Barcelona & La Calle (Algeria), 76° at Palermo and 40° to 45° at many other southern stations; the lowest were 45° at Bodo, 47° at Wiesby, 49° at Paris and several of the German stations.

Later on the depression over the Baltic began to fill up and the winds there lulled. The weather was fine and bright generally, but the air over western and northwestern Europe was dry and cold — especially at night.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Thursday 23<sup>rd</sup> June 1887.

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

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STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 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	29.75	53	SSW	2	c	29.83	-.25	53	45	-1	N	6	b	*	66	45	-	
Hernösand	29.92	63	WNW	6	b	29.95	-.08	57	47	-1	WNW	8	b	*	79	41	-	
Stockholm	29.91	60	NNE	2	b	29.94	-.01	58	52	0	NNE	6	b	*	66	45	-	
Wishy	29.90	48	NE	2	b	29.86	+0.04	50	48	+3	NE	4	b	*	57	43	-	
Bodö	30.06	45	WNW	5	o	30.08	+0.06	44	42	-2	WNW	6	o	*	48	41	-	
Christiansund	30.22	49	W	4	f	30.25	+0.04	50	47	0	W	3	f	2	52	?	-	
Skudesnaes	30.14	49	NW	9	b	30.16	-.01	58	50	-2	WNW	8	b	4	53	48	-	
Christiania Fjord (Færder)	29.98	63	W	4	b	30.06	-.02	62	55	+3	N	4	b	5	70	52	-	
Skagen (The Skaw)	29.99	59	N	1	b	30.02	-.05	60	48	0	SSE	1	o	0	73	54	-	
Fanö	30.06	53	WNW	4	b	30.06	-.09	55	54	-4	W	4	o	*	70	50	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.35	50	WNW	2	c	30.35	+0.01	50	48	0	W	0	o	2	58	46	-	
Stornoway	30.35	61	E	1	b	30.38	+0.03	55	54	-6	W	0	b	0	65	45	-	
Wick	30.41	58	NW	3	f	30.40	+0.06	52	51	-12	WNW	2	f	0	68	48	-	
Nairn	30.37	63	E	1	b	30.40	+0.01	52	50	-13	W	0	m	4	79	48	-	
Aberdeen	30.36	64	NNE	2	b	30.38	-.01	54	52	-13	N	2	o	2	75	48	-	
Leith	30.35	67	ESE	1	b	30.37	-.03	54	52	-11	E	1	c	*	78	50	-	
Shields	30.36	62	N	2	c	30.36	-.01	53	52	-6	N	1	d	2	65	52	-	
Spurn Head	30.31	57	N	4	b	30.30	-.04	53	51	-3	N	6	c	4	61	51	-	
York	30.34	65	N	2	c	30.32	-.04	60	56	0	N	2	b	*	71	46	-	
Loughborough	30.31	68	ESE	3	o	30.29	-.06	64	55	+4	N	3	b	*	76	49	-	
Ardrossan	30.33	69	NW	1	b	30.33	-.07	70	60	+6	NNE	1	b	0	76	55	-	
Malin Head	30.37	62	ESE	2	o	30.35	-.05	62	58	+3	N	1	om	0	65	56	-	
Mullaghmore	30.36	73	WNW	1	b	30.34	-.06	67	61	+4	ESE	1	b	1	76	58	-	
Belmullet	30.38	69	NE	1	b	30.35	-.04	69	63	+1	E	2	b	*	78	57	-	
Donaghadee	30.36	66	NE	3	b	30.35	-.07	61	58	+2	NE	3	b	1	70	53	-	
Barrow-in-Furness	30.32	66	WNW	2	c	30.29	-.06	66	59	+7	WNW	1	b	*	69	57	-	
Liverpool (Bidston)	30.33	66	WNW	1	b	30.30	-.07	69	56	+7	N	1	b	1	71	57	-	
Holyhead	30.35	62	N	2	c	30.31	-.07	71	62	+13	W	0	b	0	71	56	-	
Parsonstown	30.33	77	NE	1	b	30.33	-.08	69	63	+6	W	0	b	*	79	59	-	
Valencia	30.31	70	WNW	2	cm	30.27	-.10	70	60	+5	ESE	2	cm	3	75	54	-	
Roche's Point	30.33	66	ESE	2	c	30.28	-.07	66	60	-2	E	3	b	3	72	57	-	
Pembroke	30.25	59	ESE	4	b	30.22	-.05	62	58	-1	ESE	4	b	2	65	55	-	
Scilly	30.27	56	ESE	3	b	30.23	-.06	63	55	+8	ESE	4	b	3	63	55	-	
Prawle Point	30.35	70	ESE	3	b	30.18	-.05	59	53	+3	ESE	3	b	3	63	53	-	
Jersey	30.26	62	SSW	2	b	30.24	-.07	62	57	+5	NE	2	b	1	68	49	-	
Hurst Castle	30.25	57	E	4	b	30.21	-.05	59	56	+3	NE	2	b	2	62	44	-	
Dungeness	30.27	69	NNE	3	c	30.26	-.06	56	53	+1	ESE	3	o	*	72	54	-	
London	30.28	62	NE	1	c	30.27	-.07	61	54	+6	NE	3	b	*	69	53	-	
Oxford	30.28	60	N	1	b	30.26	-.06	62	57	+4	N	2	b	*	73	47	-	
Cambridge	30.27	59	N	3	b	30.23	-.08	57	54	+2	N	4	c	3	62	53	-	
Yarmouth	30.16	55	WNW	3	b	30.12	-.00	57	56	-4	WNW	2	o	*	61	54	-	
Cuxhaven	30.01	64	WNW	2	b	30.02	+0.08	60	55	+1	NW	4	b	*	70	52	-	
Berlin	*	*	*	*	*	30.17	+0.02	63	56	+3	W	0	b	*	75	52	-	
Wiesbaden	30.20	57	NW	1	b	30.18	+0.04	60	54	+8	NE	2	c	*	63	46	-	
Munich	30.20	56	WNW	1	c	30.18	-.07	55	53	+1	WNW	1	o	2	59	53	-	
The Helder	*	*	*	*	*	30.21	-.04	55	51	-1	N	1	b	*	71	50	-	
Brussels	30.23	55	NE	5	b	30.21	-.04	55	52	+1	NE	3	o	2	61	50	-	
Cape Gris Nez	30.14	40	NE	5	b	30.18	-.01	57	53	+5	NE	3	b	*	74	49	-	
Paris	30.20	61	ESE	5	b	30.15	-.08	57	52	0	E	5	b	3	70	48	-	
Brest	30.13	66	ESE	4	b	30.13	-.08	60	55	+3	E	5	b	2	68	54	30.08	
Lorient	30.09	75	ESE	5	b	30.08	-.06	62	57	+4	ESE	5	b	2	84	54	-	
Rockfort	30.05	69	NNE	5	b	30.13	+0.05	66	59	+6	NE	3	b	*	77	47	-	
Belfort	29.99	72	WNW	1	b	30.11	+0.09	62	56	+7	WNW	1	b	*	75	53	-	
Lyons	29.94	71	W	1	b	30.04	+0.25	71	62	+1	E	1	b	1	79	59	-	
Nice	30.00	69	SW	2	f	30.02	+0.10	71	67	-4	SW	3	b	*	81	60	-	
Perpignan	30.01	73	N	5	b	29.99	-.01	66	60	+3	SE	4	b	1	75	61	-	
Biarritz	*	*	*	*	*	29.95	-.00	66	63	0	S	3	b	2	75	63	-	
Corunna	29.95	69	NW	5	b	29.95	-.00	66	63	0	S	3	b	2	75	63	-	
Lisbon																		

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Thursday, 23<sup>rd</sup> June 1887.

## 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.

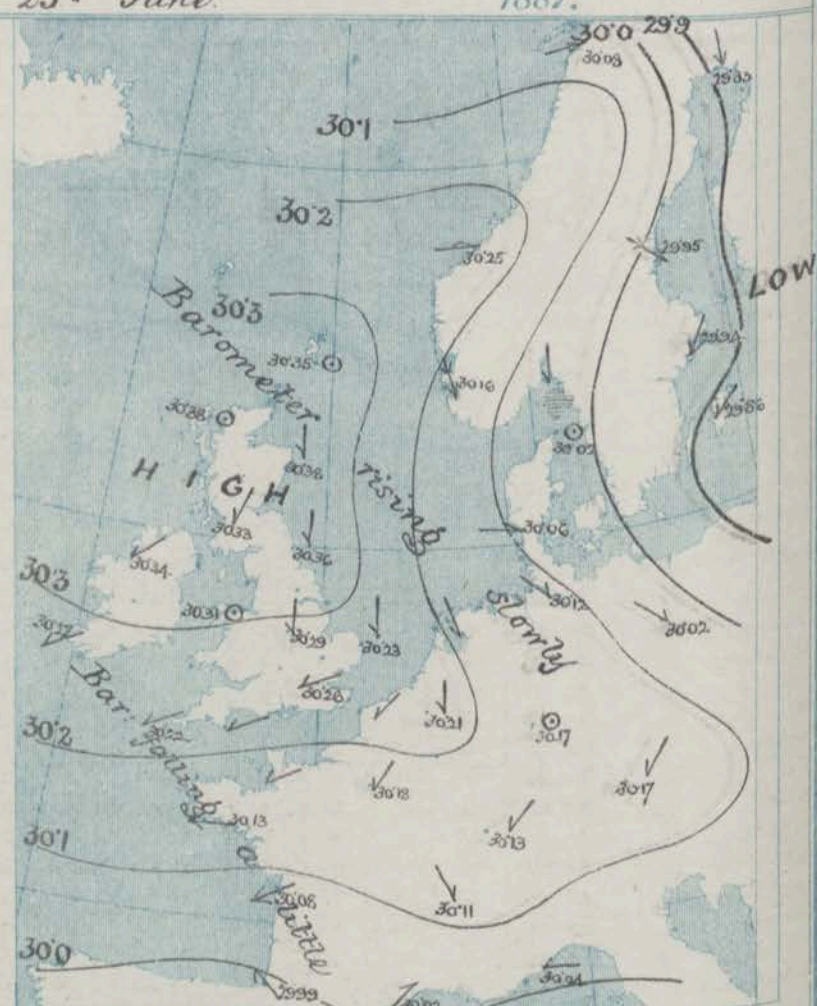
**Sea Disturbance** — where considerable is shown thus

■ = Rough, ■ = high.

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of June  
During the 10 years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.860
Stornoway	29.832
Wick	29.861
Nairn	29.868
Aberdeen	29.876
Leith	29.892
Shields	29.918
York	29.936
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Silly	29.971
Hurst Castle	29.969
Dover	29.962
LONDON	29.963
Oxford	29.953
Cambridge	29.960
Yarmouth	29.956



## 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.

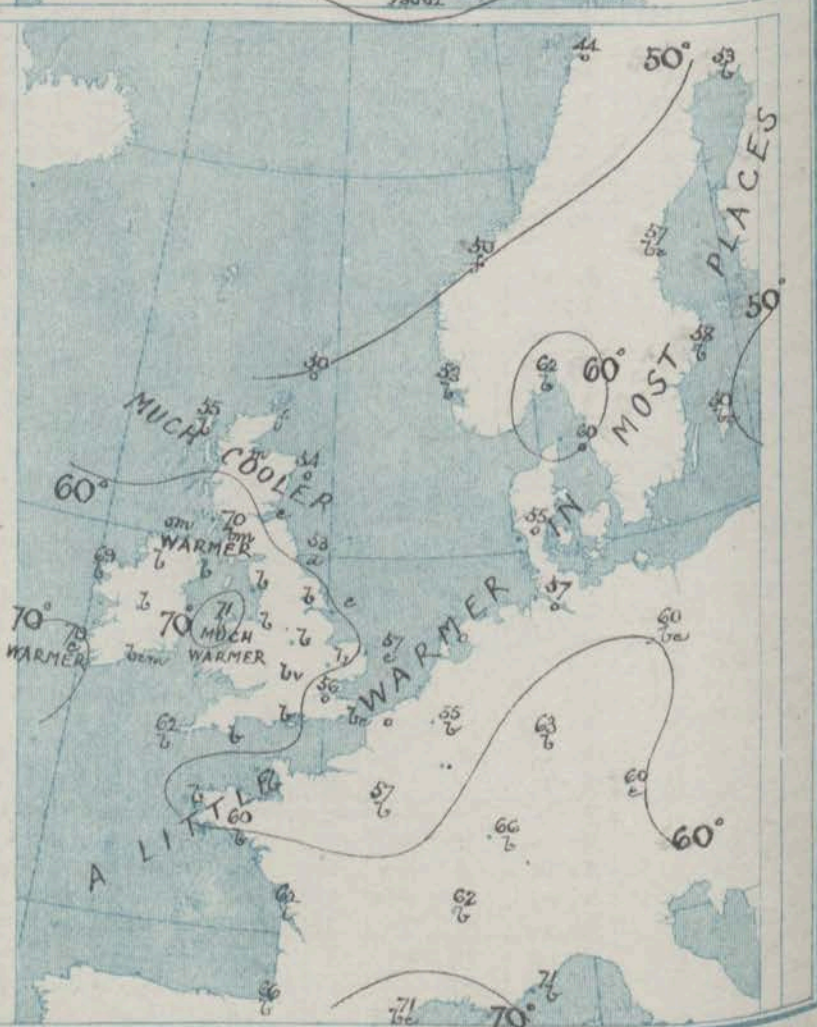
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## 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	54.9	45.5	50.7	49.1	2.07
Stornoway	55.3	46.4	54.2	61.7	2.09
Wick	59.2	46.0	53.3	50.7	1.76
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	66.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.09
Silly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866—85





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.40 in. at Wick and Kilm, and between 30.30 and 30.40 in. over the whole of Ireland, Scotland, and the north of England.  
Lowest, 29.83 in. at Haparanda, 29.86 in. at Wick, 29.95 in. at Dublin.  
Gradient slight over our Islands and France, moderate over Scandinavia. Barometer falling decidedly over Finland and the E. part of England, and slightly on our S.W. coasts.

## TEMPERATURE

Highest, 71° at Nice, Enghien, and Holthead, 70° at Valencia and Anderson, 69° at Belmullet, Larne, and Liverpool, 68° at Lisbon, and the S.W. of France, and 67° at London.  
Lowest, 44° at Bodo, 50° at Lumburg, H. and Kely, 52° at Wick, 53° at Skibde and Sperrin H., and 56° in London.  
It has fallen fast in the N.E. of Scotland during the past 24 hours.

## WIND

Very light and variable in Scotland, light N.E. in Ireland, Wales, and N. of England.  
Moderate N.E. in the Channel, fresh E. over the Bay of Biscay.  
Fresh N. on our east coasts. Strong S. again from N. over Sweden and at Skudenes.

## WEATHER

Fine and bright in most places, but dull or foggy at several eastern stations, with drizzling rain at North Shields.

## SEA

Very little disturbed on our coasts, but moderate on the coast of Norway, and rather rough in the Riania Fjord.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The fall of temperature in the N. will probably spread southwards during the next 24 hours, but no general change of weather is indicated at present.

## FORECASTS

For the 24 hours ending at NOON on 24<sup>th</sup> June 1887.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	N <sup>1</sup> breezes, light to moderate; fine, dry.
1	SCOTLAND EAST	----- D° ----- D° ----- D° -----
2	ENGLAND N.E.	N <sup>1</sup> breezes fresh or moderate; colder and perhaps rather less settled than of late.
3	ENGLAND EAST	----- D° ----- D° ----- D° -----
4	MIDLAND COUNTIES	----- D° ----- D° ----- D° -----
5	ENGLAND SOUTH	NE <sup>2</sup> winds, moderate; fair, colder.



### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Very light breezes, fair generally.
7	ENGLAND N.W.	----- D° ----- D° ----- D° -----
8	ENGLAND S.W.	Same as No 5
9	IRELAND NORTH	Light N <sup>1</sup> to NE <sup>2</sup> breezes; fine, warm.
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.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.18	54	51	NW 8	6	4	Holyhead ...	30.37	60	55	N 2	60	1
Sumburgh Head ...	30.34	52	51	NW 4	0	3	Valencia ...	30.35	74	62	N 1	60	1
Stornoway ...	30.36	65	61	20 0	6	0	Scilly ...	30.28	61	56	ESE 5	60	3
Aberdeen ...	30.37	70	59	N 3	6	2	Dungeness ...	30.28	61	56	E 4	6	3
Shields ...	30.37	68	55	NE 2	0	3	London ...	30.29	67	55	NE 3	6	*
Ardrossan ...	30.37	76	64	W 1	6	1	Yarmouth ...	30.30	61	56	NE 4	6	3
Malin Head ...	30.40	62	59	NE 1	0	0	Jersey ...	30.24	64	59	ESE 3	6	3
Mullaghmore ...	30.39	71	58	NW 2	60	1	Rochefort ...	30.13	82	66	ESE 5	6	2
Belmullet ...	30.39	76	61	NW 1	6	*							

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

Yesterday morning's reports showed that high pressures still continued over the British Isles, where the readings were nearly all above 30.3 in. From this region pressure decreased to about 29.7 in. over the Baltic Provinces of Russia, and to about 29.8 in. over the Gulf of Genoa. The N. wind still blew very strongly over the Baltic, with rain at times, but was moderate over the North Sea and our eastern coast. In France and the Channel the wind was ENE<sup>3</sup>, while in Ireland and Scotland it was light and variable. Over the whole of Western Europe the weather was fine and dry, but some thunderstorms had again occurred in the south of France during the night. Temperature was still comparatively low over the Continent, the North Sea, England and the East of Scotland, but high over Ireland, Wales, and Central Russia. The highest individual values were 82° at Cagliari and Naples, 79° at Barcelona and Palma, 75° at Malta, 73° at Palermo, 70° at Legna and Nice, 65° to 68° in the west of Ireland, and 61° at Moscow; the lowest were 46° at Rode, Nisby, and Kuopio, 48° at Breslau, 50° at Christianund, 50° at Cracow, and Uleaborg, and 51° at Havre, New Jahnsasser, Vienna, Archangel and Warsaw, and 52° at Paris, Le Mans and Munich.

Very little change occurred later in the day.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Friday 24<sup>th</sup> June 1887.

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

Issued by the Meteorological Office, 16, Victoria Street, London, W. 1. 1907.																			
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 ..	29.92	50	2	2	bc	29.95	+12	51	43	-2	N	4	c	*		61	45	-	
Hernösand ...	30.02	56	2	4	b	30.10	+15	51	44	-6	N	4	b	*		73	50	-	
Stockholm ...	30.00	61	2	0	c	30.09	+15	56	48	-3	N	4	b	*		66	46	-	
Wishy ...	29.94	49	2	4	bc	30.01	+15	50	48	0	N	2	b	*		57	45	-	
Bodo ...	30.18	45	W	5	o	30.08	+00	45	44	+1	WSW	6	o	4		46	43	-	
Christiansund...	30.28	50	WNW	1	b	30.22	+03	53	49	+3	WSW	2	b	1		54	46	-	
Skudesnaes ...	30.16	53	WNW	8	bc	30.21	+05	54	50	+1	WNW	7	b	4		54	52	-	
Christiania Fjord (Fjorder)	30.04	65	W	4	b	30.17	+11	60	50	-2	N	2	b	1		70	59	-	
Skagen (The Scaw)	30.03	59	WNW	7	bc	30.13	+11	62	55	+2	ESE	1	c	1		73	55	-	
Faro ...	30.06	57	NW	4	b	30.12	+06	72	64	+17	ESE	2	b	*		72	50	-	
BRITISH ISLANDS.																			
Sumburgh Head	30.35	50	WNW	1	o	30.33	-02	49	49	-1	WNW	1	b	0		53	46	-	
Stornoway ...	30.35	60	E	1	b	30.38	-00	55	55	0	2	0	b	0		63	45	-	
Wick ...	30.39	58	E	1	bc	30.39	-01	54	53	+2	N	1	b	0		61	47	-	
Nairn ...	30.37	62	E	2	b	30.39	-01	58	55	+6	E	1	b	1		67	49	-	
Aberdeen...	30.37	55	NE	3	o	30.38	-00	58	56	+4	NE	1	bc	2		65	48	-	
Leith ...	30.35	56	NE	2	b	30.38	+01	58	54	+4	ESE	1	b	*		61	51	-	
Shields ...	30.35	54	NE	2	o	30.38	+02	51	50	-2	NE	2	o	3		58	50	-	
Spurn Head ...	30.31	54	NE	5	o	30.32	+02	53	52	0	N	5	adm	4		55	50	-	
York ...	30.30	64	ESE	2	b	30.35	+03	55	52	-5	N	2	o	*		70	48	-	
Loughborough	30.27	70	ESE	3	b	30.34	+05	53	51	-11	NE	3	ogm	*		78	51	-	
Ardrossan ...	30.29	76	ESE	2	bm	30.35	+02	62	57	-8	N	3	bm	1		80	50	-	
Malin Head ...	30.32	61	NE	2	om	30.33	-02	59	57	-3	ESE	3	om	2		65	55	-	
Mullaghmore	30.28	74	WNW	1	b	30.30	-04	64	60	-3	ESE	4	b	2		77	57	-	
Belmullet ...	30.31	69	NE	2	b	30.29	-06	69	60	0	E	3	b	*		74	58	-	
Donaghadee ...	30.30	66	NE	3	b	30.35	-00	59	56	-2	NE	3	b	1		69	56	-	
GERMANY.																			
Barrow-in-Furness	30.30	75	NE	2	b	30.35	+06	64	60	-2	NE	2	b	*		76	55	-	
Liverpool (Bidston)	30.25	74	WNW	1	b	30.31	+01	61	55	-8	ESE	1	b	2		75	51	-	
Holyhead ...	30.26	61	NE	2	b	30.29	-02	63	57	-8	NE	1	bm	1		71	55	-	
Parsonstown ...	30.25	80	2	0	b	30.29	+04	66	60	-3	2	0	b	*		88	51	-	
Valencia ...	30.22	71	WSW	3	bcm	30.21	-06	70	61	9	ESE	1	bm	1		77	52	-	
Roche's Point...	30.23	74	ESE	4	b	30.22	-06	68	62	+2	ESE	2	b	3		79	61	-	
Pembroke ...																			
Seilly ...	30.16	63	ESE	2	b	30.16	-06	57	55	-5	E	6	o	5		66	55	-	
Prawle Point ...	30.20	59	E	3	b	30.21	-02	52	50	-11	ESE	5	o	5		69	52	-	
Jersey ...	30.14	65	ESE	4	b	30.16	-02	55	54	-4	ESE	5	om	4		69	53	-	
FRANCE & NETHERLANDS.																			
Hurst Castle ...	30.24	62	S	2	b	30.24	-00	57	54	-5	NE	3	c	1		70	52	-	
Dungeness ...	30.20	57	E	6	b	30.22	+01	56	55	-3	ESE	4	og	3		62	53	-	
London ...	30.23	67	NNE	3	b	30.28	+02	55	52	-1	NNE	2	o	*		77	58	-	
Oxford ...	30.26	60	NE	3	b	30.20	+03	53	51	-8	NE	3	o	*		73	51	-	
Cambridge ...	30.28	58	N	3	b	30.29	+03	55	53	-7	N	2	o	*		70	51	-	
Yarmouth ...	30.25	56	N	4	c	30.26	+03	54	53	-3	N	4	og	4		61	51	-	
Cuxhaven ...	30.13	52	W	2	o	30.12	-00	63	61	+6	N	1	m	*		63	52	-	
Berlin ...	30.02	68	WNW	2	c	30.12	+10	61	59	+1	NW	2	o	*		75	?	-	
Wiesbaden ...	*	*	*	*	*	30.17	-00	66	60	+3	2	0	b	*		77	52	-	
Munich ...	30.21	62	2	0	b	30.22	+04	64	55	+4	NW	1	b	*		70	48	-	
SPAIN.																			
The Helder ...	30.19	55	WNW	2	o	30.19	+01	54	53	-1	N	3	o	2		57	54	-	
Brussels ...	*	*	*	*	*	30.21	-00	54	52	-1	N	1	o	*		74	52	-	
Cape Gris Nez...	30.19	54	NE	5	c	30.21	-00	53	52	-2	NE	7	o	5		61	52	-	
Paris ...	30.12	74	NE	3	b	30.17	-01	56	54	-1	NNE	3	o	*		79	52	-	
Brest ...	30.09	71	NE	4	b	30.10	-05	61	56	+4	E	5	b	2		88	48	-	
Lorient ...	30.05	77	ESE	3	b	30.09	-06	63	57	+3	E	5	bc	2		82	55	-	
Rocheport ...	30.01	85	ESE	3	b	30.05	-03	68	63	+6	ESE	4	bc	2		71	49	-	
Belfort ...	30.07	72	E	1	b	30.13	-00	69	58	+3	E	3	b	*		83	48	-	
Lyons ...	30.01	77	ESE	1	b	30.09	-02	68	59	+6	ESE	1	b	*		83	58	-	
Nice ...	30.02	71	2	0	b	30.09	+05	69	61	-2	SW	8	2	0		79	59	-	
Perpignan ...	30.03	68	NW	3	o	30.08	+06	68	65	-3	N	3	o	*		79	60	-	
Biarritz ...	29.89	82	2	0	bc	29.95	-04	77	70	+11	SE	4	bc	1		88	64	+10	
Corunna ...	*	*	*	*	*														
Lisbon ...	29.97	68	SW	5	b	30.08	+13	67	62	+1	WSW	5	c	3		73	64	-	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

Friday, 24<sup>th</sup> June

1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

**Sea Disturbance** — where considerable is shown thus

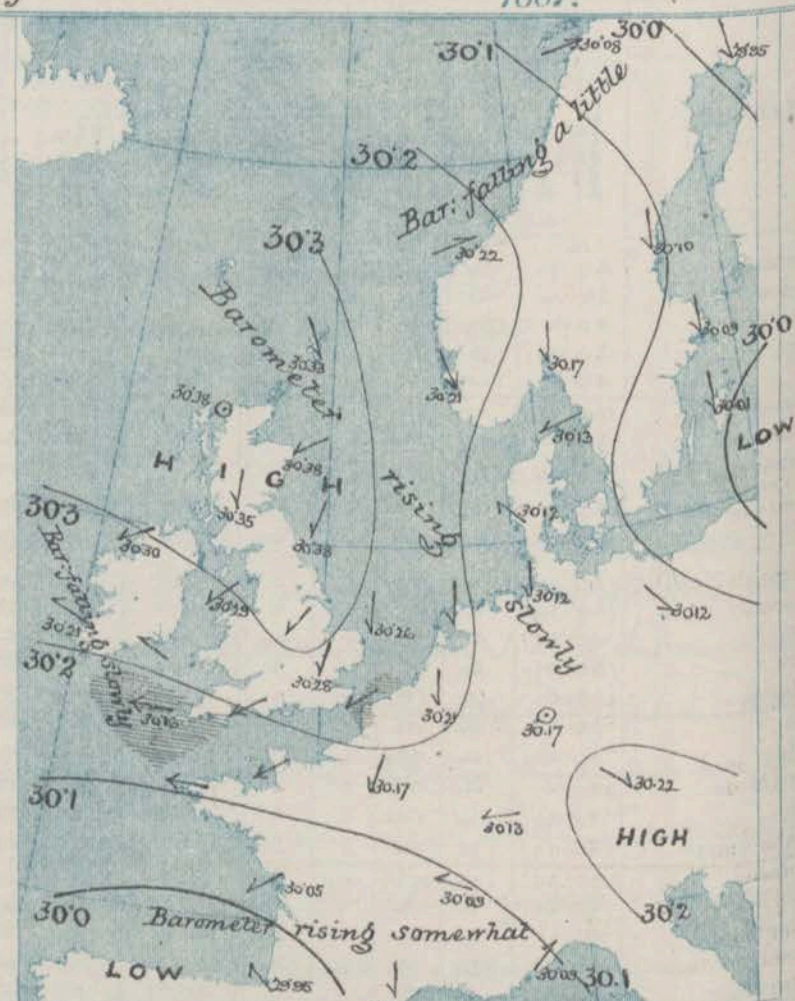
▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.860
Stornoway	29.832
Wick	29.861
Nairn	29.868
Aberdeen	29.876
Leith	29.892
Shields	29.918
York	29.936
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.969
Dover	29.962
LONDON	29.963
Oxford	29.953
Cambridge	29.960
Yarmouth	29.956



## 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.

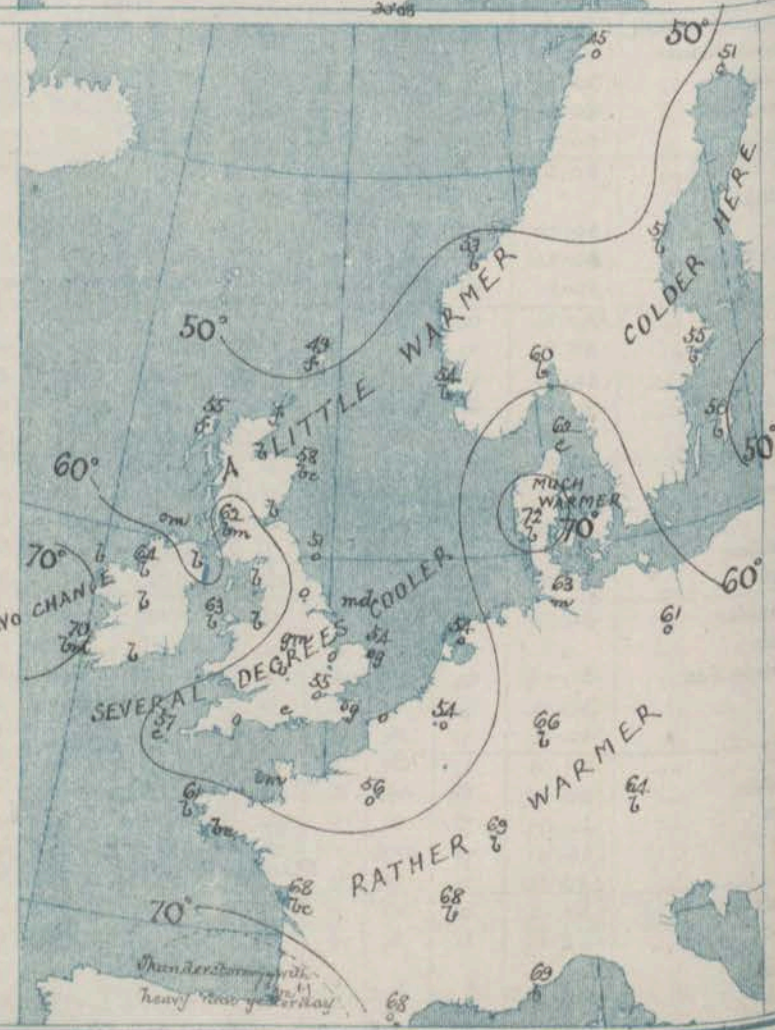
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## 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.	At 8 a.m. Wet.	
Sumburgh Head	54.9	45.5	50.7	49.1	2.07
Stornoway	58.3	46.4	54.2	51.7	2.99
Wick	59.2	46.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	66.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.00
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866—85





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.3 in: and more, over Scotland, the northern half of England and the extreme north of Ireland. Lowest, 30.2 in: and more over South Germany, the Tyrol and Adriatic. Gradients slight. Barometer rising over Southern and Central Europe, falling in the SW and W — as well as in the N parts of Norway.
TEMPERATURE	Highest 77° at Biarritz, 72° (locally) at Tarragona, 70° at Valencia, 69° at Helmsdal and also at Nice, 68° at Lyons, Rochefort and Rochepot. Lowest, 45° at Bodø, 50° at Wisby, 51° at Haparanda, Huvikand, and North Shields, and 53° at Loughborough. It has fallen very decidedly over England during the past night.
WIND	Still chiefly N <sup>3</sup> over the North Sea, Sweden and the Baltic, NE to E over our southern coasts, France, and Ireland. It is fresh on our east coast and in the Channel, light to moderate elsewhere. In the north of Norway the wind has backed to SW.
WEATHER	Fine generally — much cloud prevails at our midland and eastern stations, and over the Netherlands and north of France. Elsewhere the sky is clear or nearly so. A heavy thunderstorm has occurred at Biarritz.
SEA	Rather rough in the southwest, moderate in the south and east, smooth or nearly so elsewhere.



## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Should the rise of the barometer over Southern and Central Europe, and the fall on our Atlantic coasts continue, a gradual but considerable change of weather will occur — accompanied at first by an increase of temperature over France and England, and the gradual approach of S winds.

## FORECASTS

for the 24 hours ending at NOON on 25<sup>th</sup> June 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	N <sup>3</sup> and NE <sup>3</sup> winds, light; dull to fair, dry.	6 { SCOTLAND WEST	Same as N° 0
1 { SCOTLAND EAST	----- D° ----- D° ----- D° -----	7 { ENGLAND N. W.	Same as N° 0
2 { ENGLAND N. E.	N <sup>3</sup> to NE <sup>3</sup> winds, fresh; dull to fair.	8 { ENGLAND S. W.	E <sup>3</sup> and SE <sup>3</sup> winds, moderate; fine, warmer
3 { ENGLAND EAST	----- D° ----- D° ----- D° -----	9 { IRELAND NORTH	----- D° ----- D° ----- D° -----
4 { MIDLAND COUNTIES	Same as N° 0	10 { IRELAND SOUTH	----- D° ----- D° ----- D° -----
5 { ENGLAND SOUTH	NE <sup>3</sup> breezes, moderate; dull to fair, becoming warmer tomorrow.	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	54	51	N.W. 8	b f	4	Holyhead ...	30.30	65	58	N 1	b	1
Sumburgh Head ...	30.36	52	51	N.W. 1	o	1	Valencia ...	30.74	74	64	E.N.E. 2	b cm	2
Stornoway ...	30.36	60	59	E 1	b	1	Scilly ...	30.19	65	60	E 2	b	2
Aberdeen ...	30.37	60	56	E.N.E. 2	b	2	Dungeness ...	30.23	61	58	E 4	b	3
Shields ...	30.35	56	51	N.E. 2	b c	2	London ...	30.21	73	61	E.N.E. 3	b	*
Ardrossan ...	30.31	78	68	N.W. 1	b	0	Yarmouth ...	30.26	58	54	N 4	c	3
Malin Head ...	30.34	64	59	N 2	o	0	Jersey ...	30.17	69	62	N.E. 3	b	3
Mullaghmore ...	30.32	74	59	N.W. 2	b	1	Rochefort ...	30.06	93	72	E.N.E. 4	b	2
Belmullet ...	30.33	71	60	N.E. 1	b	*							

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

*The Continental Information for the morning of Thursday will  
appear in tomorrow'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

Saturday 25<sup>th</sup> June

1887.

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

Issued by the Meteorological Office, No. 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 ..	29.77	50	25	0	bc	29.69	-.26	55	48	+ 4	25	0	0	*	59	39	-	
Hernösand ...	29.91	58	N	6	o	29.79	-.31	56	47	+ 5	NW	2	c	*	64	46	-	
Stockholm ...	29.99	52	WSW	2	c	29.90	-.19	61	54	+ 6	NNE	2	b	*	68	48	-	
Wisby ...	30.00	50	N	2	bc	29.90	-.11	56	51	+ 6	W	4	bc	*	66	48	-	
Bodö ...	29.85	44	SE	2	f	29.82	-.26	44	43	- 1	NW	4	r	2	45	41	0.95	
Christiansund...	30.18	50	NW	6	f	29.99	-.23	49	46	- 4	NW	8	f	4	2	48	0.04	
Skudesnaes ...	30.18	50	NW	2	o	30.15	-.06	50	49	- 4	NW	6	o	4	52	50	-	
Christiania Fjord (Fjorder)	30.02	62	SW	4	b	29.99	-.18	62	54	+ 2	NNE	2	b	1	66	57	-	
Skagen (The Scaw)	30.04	63	25	0	b	29.96	-.17	60	58	- 2	25	0	bc	0	19	52	-	
Fanö ...	30.12	56	NW	4	b	30.06	-.06	55	54	- 17	NW	4	o	*	77	52	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.33	50	NW	1	f	30.26	-.07	49	49	- 10	NW	2	m	1	54	45	-	
Stornoway ...	30.36	56	E	1	f	30.36	-.02	53	53	- 2	E	1	om	1	60	48	-	
Wick ...	30.35	54	25	0	b	30.32	-.07	54	53	0	N	3	o	1	63	47	-	
Nairn ...	30.35	58	NNE	1	m	30.33	-.06	61	58	+ 3	NNE	1	b	1	68	49	-	
Aberdeen...	30.36	54	ENE	1	f	30.27	-.11	53	52	- 5	E	1	om	1	63	47	-	
Leith ...	30.36	55	NE	2	c	30.32	-.06	53	53	- 5	25	0	b	*	63	50	-	
Shields ...	30.34	54	NNE	1	o	30.33	-.05	50	49	- 1	NNE	1	adm	2	56	48	-	
Spurn Head ...	30.31	53	N	5	o	30.30	-.02	52	51	- 1	NNE	4	om	4	55	50	-	
York ...	30.31	66	E	2	b	30.32	-.03	55	53	0	NW	1	e	*	72	50	-	
Loughborough	30.27	68	NE	3	b	30.31	-.03	54	52	+ 1	NE	3	agm	*	73	51	-	
Ardrossan ...	30.30	76	NE	1	om	30.30	-.05	69	61	+ 7	25	0	bm	0	81	57	-	
Malin Head ...	30.31	64	E	2	o	30.31	-.02	61	56	+ 2	E	1	om	0	65	58	-	
Mullaghmore ...	30.26	76	E	2	b	30.31	+ 0.1	65	61	+ 1	ENE	2	bc	2	77	57	-	
Belmullet ...	30.26	74	NE	1	b	30.31	+ 0.2	69	62	0	ENE	1	b	*	80	65	-	
Donaghadee ...	30.29	72	NE	2	bc	30.32	-.03	64	59	+ 5	NE	2	c	0	77	55	-	
Barrow-in-Furness	30.25	73	NW	2	b	30.28	-.07	68	61	+ 4	NE	1	b	*	75	59	-	
Liverpool (Bidston)	30.24	75	ENE	2	b	30.29	-.02	61	56	0	SE	2	b	2	75	53	-	
Holyhead ...	30.26	63	NNE	3	bm	30.28	-.01	65	59	+ 2	ENE	1	bm	1	69	55	-	
Parsonstown ...	30.24	79	NE	1	b	30.29	.00	69	62	+ 3	25	0	b	*	82	50	-	
Valencia ...	30.21	71	N	1	bm	30.24	+ 0.03	68	62	- 2	25	0	bm	1	78	52	-	
Roche's Point...	30.22	68	ENE	3	bm	30.24	+ 0.02	70	64	+ 2	E	2	bm	2	71	55	-	
Pembroke ...	30.20	68	SE	1	b	30.25	+ 0.1	55	53	- 5	ENE	4	c	3	67	54	-	
Scilly ...	30.16	60	E	6	bcm	30.19	-.03	58	56	+ 1	E	5	om	4	61	45	-	
Prawle Point ...	30.18	57	ENE	4	b	30.23	+ 0.2	53	53	+ 1	ENE	4	m	4	60	52	-	
Jersey ...	30.13	60	NE	5	b	30.15	-.01	57	55	+ 2	ENE	4	om	3	64	54	-	
Hurst Castle ...	30.19	64	NE	4	m	30.25	+ 0.1	55	53	- 2	NE	3	o	2	66	54	-	
Dungeness ...	30.19	56	ENE	4	o	30.21	-.01	54	53	- 2	ENE	4	o	3	58	52	-	
London ...	30.24	61	NNE	3	o	30.26	-.02	53	51	- 2	NNE	2	og	*	63	52	-	
Oxford ...	30.26	55	NE	4	o	30.27	-.03	52	51	- 1	NE	3	og	*	63	51	-	
Cambridge ...	30.25	57	N	2	o	30.28	-.01	54	53	- 1	N	2	o	*	62	51	-	
Yarmouth ...	30.25	55	NNE	4	og	30.25	-.01	53	52	- 1	NNE	3	og	4	57	51	-	
Cuxhaven ...	30.15	59	NW	1	b	30.15	+ 0.03	57	56	- 6	NW	3	o	*	64	55	-	
Berlin ...	30.10	62	NW	2	b	30.11	-.01	69	61	+ 8	NW	2	b	*	75	57	-	
Wiesbaden ...	*	*	*	*	*	30.17	.00	65	60	- 1	N	1	b	*	75	55	-	
Munich ...	30.17	64	NE	1	b	30.19	-.03	67	60	+ 3	25	0	b	*	75	50	-	
FRANCE & NETHERLANDS.																		
The Helder ...	30.19	57	N	1	b	30.21	+ 0.02	53	53	- 1	N	1	f	1	63	54	-	
Brussels ...	*	*	*	*	*	30.18	-.03	57	57	+ 3	NNE	1	f	*	61	54	-	
Cape Gris Nez...	30.19	55	NE	7	o	30.19	-.02	54	54	+ 1	NE	7	f	5	59	52	-	
Paris ...	30.09	74	NNE	3	b	30.15	-.02	58	56	+ 2	N	4	o	*	79	53	-	
Brest ...	30.05	66	E	5	b	30.13	+ 0.03	59	58	- 2	NE	4	o	5	88	48	-	
Lorient ...	30.04	69	ENE	3	f	30.09	+ 0.2	61	60	- 2	E	3	f	1	81	59	0.08	
Rocheport ...	30.04	54	NE	3	b	30.13	+ 0.8	65	64	- 3	SW	4	c	2	91	63	-	
Belfort ...	30.08	77	E	1	b	30.13	.00	71	62	+ 2	ENE	1	b	*	89	53	-	
Lyons ...	30.00	81	E	1	c	30.12	+ 0.03	67	60	- 1	NW	1	o	*	88	64	-	
Nice ...	30.08	70	W	1	b	30.12	+ 0.03	67	63	- 2	W	1	b	*	81	59	-	
Perpignan ...	30.00	76	ENE	1	o	30.11	+ 0.03	73	60	+ 5	W	1	f	*	82	66	-	
Biarritz ...	30.02	74	NW	1	bc	30.18	+ 0.23	69	65	- 8	NW	4	bc	1	81	66	0.32	
PENINSULA.																		
Corunna ...	*	*	*	*	*	30.23	+ 0.15	67	63	0	NNE	3	b	2	72	61	-	
Lisbon ...	30.16	68	W	5	b	*	*	*	*	*	*	*	*	*	*	*	*	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Saturday, 25<sup>th</sup> June.

1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

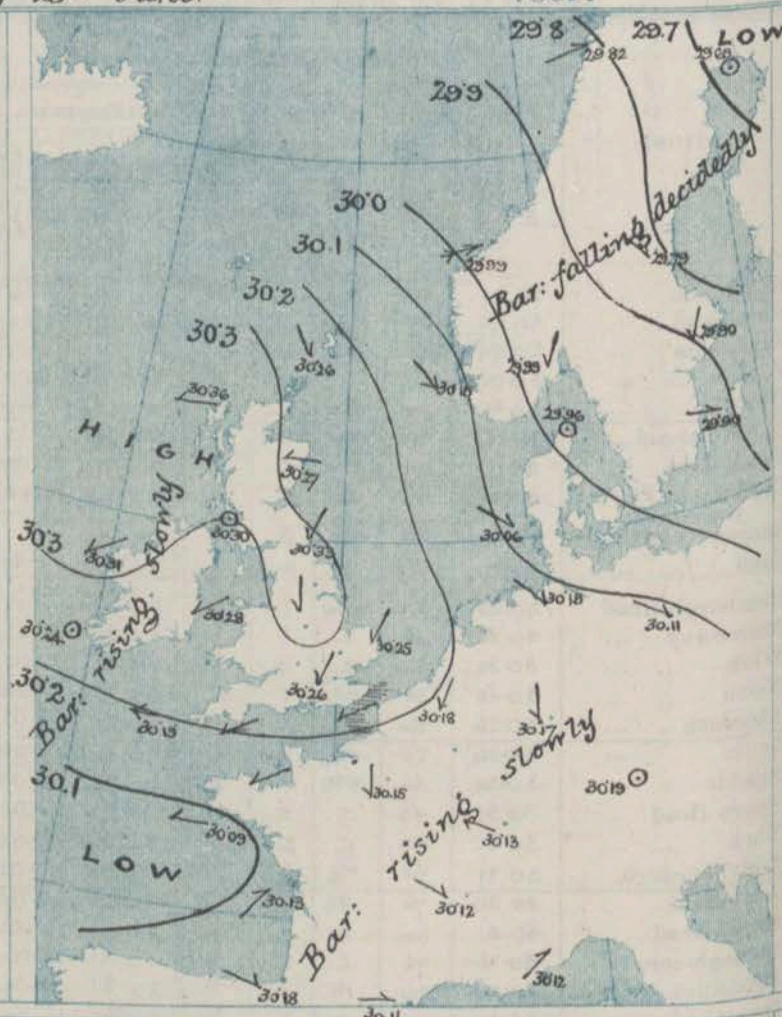
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**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 — forces above 10, — forces 8 to 10,  
 — forces 5 to 7, — forces 1 to 4,  
 ○ — dead calm.

**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 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.860
Stornoway	29.832
Wick	29.861
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## TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

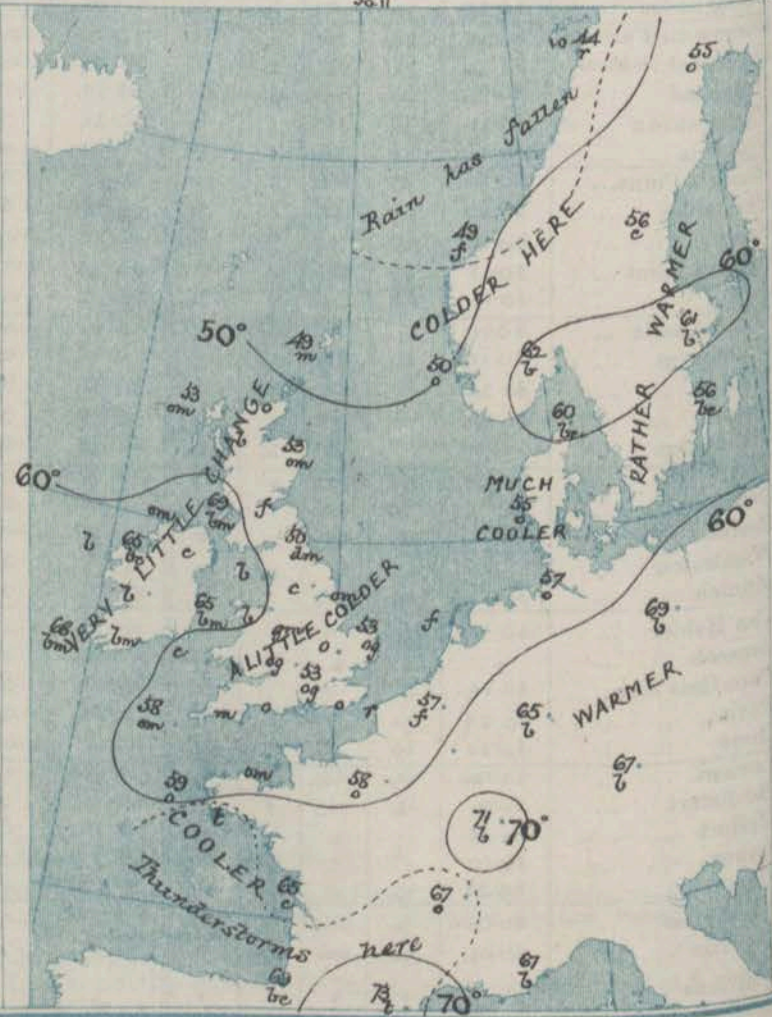
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**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of June.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	54.9	45.5	50.7	49.1	2.07
Stornoway	58.3	46.4	54.2	51.7	2.90
Wick	59.2	46.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	66.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

Note — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.3 in: at Stromsøy, 30.3 in: at Loughborough, Mullaghmore and Belmullet. — 30.2 in: at Lisbon.  
Lowest, 30.1 in: and less, over the Bay of Biscay, and 29.7 in: over the north of Sweden.  
Gradients slight and irregular. Barometer falling decidedly in Scandinavia, slightly on our north and east coasts — rising in Spain, the west and south of France and S.W. of Ireland.

## TEMPERATURE

Highest, 73° at Perpignan, 70° at Roch's Point, 69° at Belmullet, Biarritz, and Berlin.  
Lowest, 44° at Bodø, 49° at Lumburgh Head, and Christiansund, 50° at Skudestraen and Shields.  
The daily maxima exceeded 80° at some of our western stations yesterday, but did not exceed 53° on our N.E. coast, and 63° in London.

## WIND

Remains chiefly N to E over the British Isles and Channel — moderate in the east and south, light elsewhere.  
In the south of France it has become W., and this current seems to be spreading northwards.  
Over Scandinavia it has backed to W. and SW.

## WEATHER

Very fine in Ireland and Germany — dull over Great Britain, with wet mist in places.  
Foggy and hazy in the north. Rain is reported at C. Fris. Key, thunder at Dover and Perpignan.  
[Thunderstorms have been very prevalent in the south of France, and heavy rain has fallen in the north of Norway.]

## SEA

Moderate in the east and south and on the Norwegian coast, slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

It is doubtful whether the disturbance which is causing the barometric fall over Northern Europe will affect the weather on our coasts much; but the "hollow" over the Bay of Biscay will probably move northward, and bring showery, if not thundery, weather to our southern counties shortly.

## FORECASTS

For the 24 hours ending at NOON on 26<sup>th</sup> June 1887.

### DISTRICTS.

### FORECASTS.



0	SCOTLAND NORTH	NW <sup>th</sup> and N <sup>th</sup> winds, light to moderate; fair as a whole, hazy.
1	SCOTLAND EAST	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----
2	ENGLAND N.E.	Same as N <sup>o</sup> 4
3	ENGLAND EAST	Same as N <sup>o</sup> 5
4	MIDLAND COUNTIES	NE <sup>th</sup> winds, light; dull, misty.
5	ENGLAND SOUTH	NE <sup>th</sup> winds, moderate; dull, less settled than of late, some rain.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Same as N <sup>o</sup> 0
7	ENGLAND N.W.	Same as N <sup>o</sup> 0
8	ENGLAND S.W.	Same as N <sup>o</sup> 5
9	IRELAND NORTH	Varying light winds; fine, warmer.
10	IRELAND SOUTH	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----

### WARNINGS

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.21	54	50	NNW 8	bef	4	Holyhead ...	30.28	64	57	NNE 3	bm	2
Sumburgh Head ...	30.35	52	52	NNW 1	a	0	Valencia ...	30.20	74	65	WSW 2	cm	3
Stornoway ...	30.37	60	59	E 1	bc	0	Scilly ...	30.17	60	57	E 6	bm	5
Aberdeen ...	30.38	56	54	NE 1	f	2	Dungeness ...	30.21	57	56	ENE 4	o	4
Shields ...	30.36	55	52	NE 2	o	3	London ...	30.25	62	57	N 3	o	*
Ardrossan ...	30.31	51	66	NNE 3	b	1	Yarmouth ...	30.26	57	54	NNE 4	c	4
Malin Head ...	30.32	60	57	E 2	o	0	Jersey ...	30.14	62	52	NNE 5	b	4
Mullaghmore ...	30.28	74	64	ENE 3	b	2	Rochefort ...	30.04	82	72	NTW 4	b	2
Belmullet ...	30.28	78	65	NE 1	b	*							

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

The reports for yesterday morning showed that pressure then varied from 30.3 ins. and more over Scotland and the northern part of Ireland and England to about 29.7 ins. over central Russia, and to about 29.9 ins. over the north of Spain. The winds were consequently N<sup>W</sup> over the Baltic and North Sea, but had decreased in force, and were N<sup>W</sup> to W<sup>W</sup> over central Europe, the weather in all those regions being fair as a whole, but with occasional showers in some localities. In France, the Channel, the south of England, and in Ireland the wind was more E<sup>W</sup> and the weather dry—though cloudy locally. Temperature had again fallen over Western Europe but risen over Algeria and the Mediterranean. It varied from about 86° in some parts of the latter regions to between 50° and 60° over England and the North Sea, and to less than 50° in the northwest of Norway. The highest individual values were 88° at Biskra (Algeria), 86° at Cagliari, 80° at Alicante, 79° at Palma, 77° at Malta and Bismia, 76° at Bilbao, and 70° at Valencia (Ireland); the lowest 43° at Archangel, 45° at Bodo, 51° at Ulleaborg, Haparanda, Hernösand, and North Shields.

During the day the weather remained dull and cold over the greater part of England, but temperature rose to 80° and more at some of our western stations, where the sky was clear.

## General Remarks on the Weather for the 24 hours ended 8 a.m. June 24<sup>th</sup> 1887.

The reports for Thursday morning showed that pressure was still highest in the northwest, and that readings varied from between 30.3 ins. and 30.4 ins. over all the western and northern parts of the British Islands, to about 29.7 ins. over the Baltic provinces of Russia, (where the barometer was rising), and to rather below 29.9 ins. over the northern parts of Spain. The winds were consequently still N<sup>W</sup> to E<sup>W</sup>, light to moderate, over Western Europe, but strong to a gale in the Baltic and Gulf of Bothnia. The weather was fair except over Austria and some of the western parts of France, but a great deal of cloud prevailed over the eastern parts of Great Britain. Temperature had fallen in the north of Scotland, and varied from between 73° and a little above 80° over the Mediterranean to rather below 50° in the north of Norway. The highest individual readings were 84° at Cagliari, 82° at Palma and Bilbao, 77° at Bismia, 74° at Constantinople, 73° at Livorno, 72° at Rome, 71° at Holyhead and 70° at Valencia and Ardrossan; the lowest 44° at Bodo, 50° at Christiansund and Sumburgh H<sup>d</sup>, 52° at Naiv, 53° at Shields and Spurn H<sup>d</sup>, 55° at the Helder and Brussels, and 56° in London.

No decided or general changes occurred 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 Sunday 26<sup>th</sup> June

1887.

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

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

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.			Weather.	BAROMETER.		SHADE TEMP.			WIND.			Sea. (0 to 9)	Weather.	SHADE TEMP.		Amount of Rainfall.
			Dirac.	Force. (0 to 12.)			Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force (0 to 12.)				Max.	Min.	
SCANDINAVIA.																			
Haparanda ..	29.75	49	Z	0	0	b	29.85	+ .16	54	49	- 1	N	6	6	0	b	61	41	—
Hernösand ...	29.76	49	N	2	0	b	29.95	+ .16	53	44	- 6	N	6	6	0	b	61	48	0.16
Stockholm ...	29.69	50	NNW	2	0	b	29.86	- .04	52	48	- 9	N	8	0	0	b	70	48	0.16
Wishby ...	29.65	55	S	4	0	b	29.76	- .14	50	46	- 6	NNE	6	6	0	b	70	50	—
Bodö ...	30.02	46	NNW	4	0	b	30.10	+ .08	44	37	0	WSW	4	0	2	0	46	41	0.08
Christiansund...	30.21	47	NNE	4	0	b	30.26	+ .05	49	44	0	WSW	2	0	3	0	50	41	0.20
Skudesnaes ...	30.06	49	NW	8	0	b	30.16	+ .01	55	50	+ 5	ESE	2	0	3	0	55	?	—
Christiania Fiord (Farder)	29.81	62	NNE	8	0	b	30.10	+ .11	52	45	- 10	NNE	6	0	2	0	66	50	—
Skagen (The Slaw)	29.76	63	N	5	0	b	30.08	+ .12	53	47	- 7	NE	4	0	4	0	70	50	—
Faro ...	29.93	53	NW	6	0	b	30.08	+ .02	60	51	+ .5	NE	4	0	0	0	61	50	—
BRITISH ISLANDS.																			
Sumburgh Head	30.29	50	NE	3	0	b	30.29	+ .03	53	48	+ 4	Z	0	0	0	0	50	43	—
Stornoway ...	30.27	57	Z	0	0	b	30.19	- .07	58	57	+ 5	Z	0	0	0	0	63	49	—
Wick ...	30.28	53	N	1	0	0	30.30	- .02	56	51	+ 2	S	2	0	0	0	62	48	—
Nairn ...	30.31	60	NNE	2	0	0	30.31	- .02	57	51	- 7	Z	0	0	1	0	76	50	—
Aberdeen...	30.28	62	N	3	0	b	30.31	+ .04	56	51	+ 3	ESE	1	0	1	0	70	50	—
Leith ...	30.29	54	NE	1	0	b	30.31	- .01	53	52	0	NE	1	0	0	0	64	51	—
Shields ...	30.29	52	NE	1	0	0	30.31	- .02	52	51	+ 2	N	2	0	0	0	55	49	—
Spurn Head ...	30.26	52	NNE	3	0	0	30.29	- .01	53	52	+ 1	N	4	0	0	0	55	49	—
York ...	30.24	72	E	1	0	b	30.31	- .01	55	52	0	N	2	0	0	0	76	49	—
Loughborough	30.23	70	ENE	2	0	b	30.31	- .00	53	52	- 1	NE	2	0	0	0	73	49	—
Ardrossan ...	30.21	67	WSW	1	0	b	30.28	- .02	60	56	- 9	NNE	3	0	0	0	78	52	—
Malin Head ...	30.28	64	NNW	2	0	0	30.24	- .05	56	55	- 5	WNW	1	0	0	0	67	55	—
Mullaghmore ...	30.25	75	N	4	0	b	30.27	- .04	65	59	0	NE	1	0	0	0	80	52	—
Belmullet ...	30.28	72	Z	0	0	b	30.28	- .03	66	62	- 3	ENE	1	0	0	0	78	55	—
Donaghadee ...	30.24	68	NE	2	0	b	30.28	- .04	59	57	- 5	NE	2	0	0	0	71	55	—
Barrow-in-Furness	30.21	69	NW	2	0	b	30.26	- .02	64	58	- 4	ENE	3	0	0	0	73	57	—
Liverpool (Bidston)	30.21	67	NW	1	0	b	30.27	- .02	63	57	+ 2	ESE	3	0	0	0	74	56	—
Holyhead ...	30.22	60	N	2	0	b	30.25	- .03	66	59	+ 1	Z	0	0	0	0	69	54	—
Parsonstown ...	30.23	82	Z	0	0	b	30.28	- .01	66	59	- 3	Z	0	0	0	0	83	48	—
Valencia ...	30.23	70	WSW	3	0	b	30.27	+ .03	69	63	+ 1	Z	0	0	0	0	75	54	—
Roche's Point...	30.25	67	ESE	1	0	b	30.28	+ .04	65	60	- 5	N	1	0	0	0	71	56	—
Pembroke ...	30.22	58	WNW	2	0	b	30.25	- .00	62	58	+ 7	SE	1	0	0	0	63	54	—
Seilly ...	30.20	58	ESE	4	0	0	30.23	+ .04	61	60	+ 3	N	1	0	0	0	61	54	—
Prawle Point ...	30.21	57	ENE	2	0	b	30.24	+ .01	55	54	+ 2	ENE	3	0	0	0	61	52	—
Jersey ...	30.16	60	ENE	4	0	b	30.20	+ .05	55	53	- 2	NE	3	0	0	0	66	54	—
Hurst Castle ...	30.10	64	WSW	1	0	m	30.24	- .01	55	54	0	NNE	4	0	0	0	67	54	—
Dungeness ...	30.18	58	ENE	3	0	b	30.21	- .00	53	52	- 1	ENE	4	0	0	0	60	51	—
London ...	30.18	68	NE	2	0	b	30.26	- .00	53	51	0	NNE	2	0	0	0	68	48	—
Oxford ...	30.21	60	NE	1	0	b	30.29	+ .02	51	50	- 1	NE	2	0	0	0	65	47	—
Cambridge ...	30.21	63	N	1	0	b	30.29	+ .01	54	52	0	N	1	0	0	0	68	46	—
Yarmouth ...	30.21	55	NNE	4	0	b	30.25	- .00	54	52	+ 1	NNE	4	0	0	0	59	50	—
Cuxhaven ...	30.08	52	NNW	4	0	0	30.04	- .11	58	55	+ 1	N	4	0	0	0	58	52	—
Berlin ...	29.89	73	WNW	4	0	b	29.95	- .16	58	54	- 11	NNW	4	0	0	0	86	54	—
Wiesbaden ...	*	*	*	*	*	*	30.09	- .08	66	58	+ 1	NNW	3	0	0	0	82	59	—
Munich ...	30.09	70	Z	0	0	b	30.11	- .08	68	61	+ 1	W	5	0	0	0	79	59	—
GERMANY.																			
The Heider ...	30.15	54	NNW	3	0	f	30.17	- .04	54	52	+ 1	N	3	0	0	0	57	52	—
Brussels ...	*	*	*	*	*	*	30.19	+ .01	52	51	- 5	NNE	1	0	0	0	83	50	—
Cape Gris Nez...	30.17	53	NE	7	0	0	30.19	- .00	52	52	- 2	ENE	7	0	0	0	57	50	—
Faria ...	30.07	78	N	4	0	0	30.15	- .00	56	55	- 2	NW	3	0	0	0	81	56	0.78
Brest ...	30.21	68	N	3	0	0	30.21	+ .08	55	54	- 4	N	3	0	0	0	84	48	—
Lorient ...	30.13	66	NW	1	0	m	30.18	+ .09	57	55	- 4	NE	3	0	0	0	73	54	0.12
Rocheport ...	30.17	69	W	5	0	b	30.19	+ .06	64	63	- 1	WNW	5	0	0	0	79	59	—
Belfort ...	30.10	71	S	3	0	0	30.11	- .02	69	63	- 2	SW	1	0	0	0	80	45	—
Lyons ...	30.08	71	SW	3	0	b	30.11	- .01	66	61	- 1	N	1	0	0	0	85	60	—
Nice ...	30.08	68	Z	0	0	b	30.01	- .11	68	56	+ 1	E	1	0	0	0	79	59	—
Perpignan ...	30.05	75	SE	1	0	t	30.09	- .02	73	65	0	NW	4	0	0	0	82	64	0.16
Biarritz ...	30.17	72	NW	4	0	b	30.21	+ .03	65	64	- 4	WSW	5	0	0	0	75	63	0.20
Corunna ...	*	*	*	*	*	*	30.31	+ .09	65	62	- 1	W	3	0	0	0	72	61	—
Liebon ...	30.22	69	NNW	7	0	b	30.27	+ .04	67	63	0	NNE	5	0	0	0	79	63	—

SCANDINAVIA.

BRITISH ISLANDS.

GERMANY.

FRANCE & NETHERLANDS.

PENIN-  
SULA.

For Explanation of Columns, see p. 4.



# WEATHER

for 8 a.m. on

# CHARTS

Sunday 26<sup>th</sup> June

1887.

## 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.

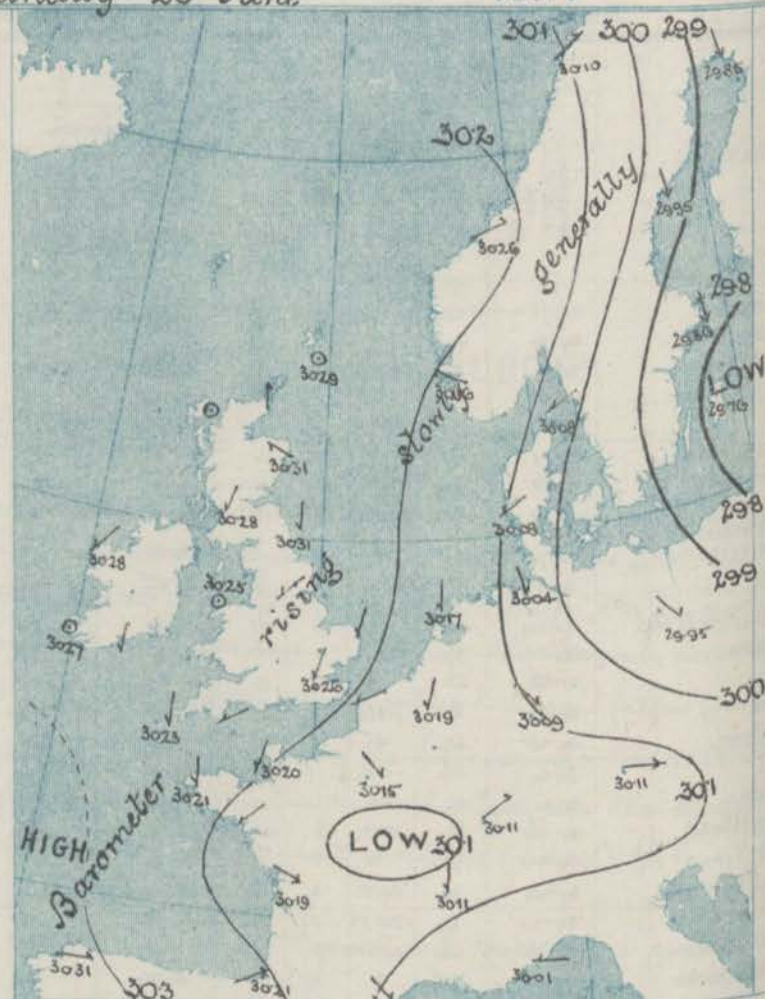
**Sea Disturbance** — where considerable is shown thus

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of June.  
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.800
Stornoway	29.832
Wick	29.861
Nairn	29.888
Aberdeen	29.876
Leith	29.892
Shields	29.915
York	29.936
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.969
Dover	29.962
LONDON	29.963
Oxford	29.953
Cambridge	29.980
Yarmouth	29.956



## 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.

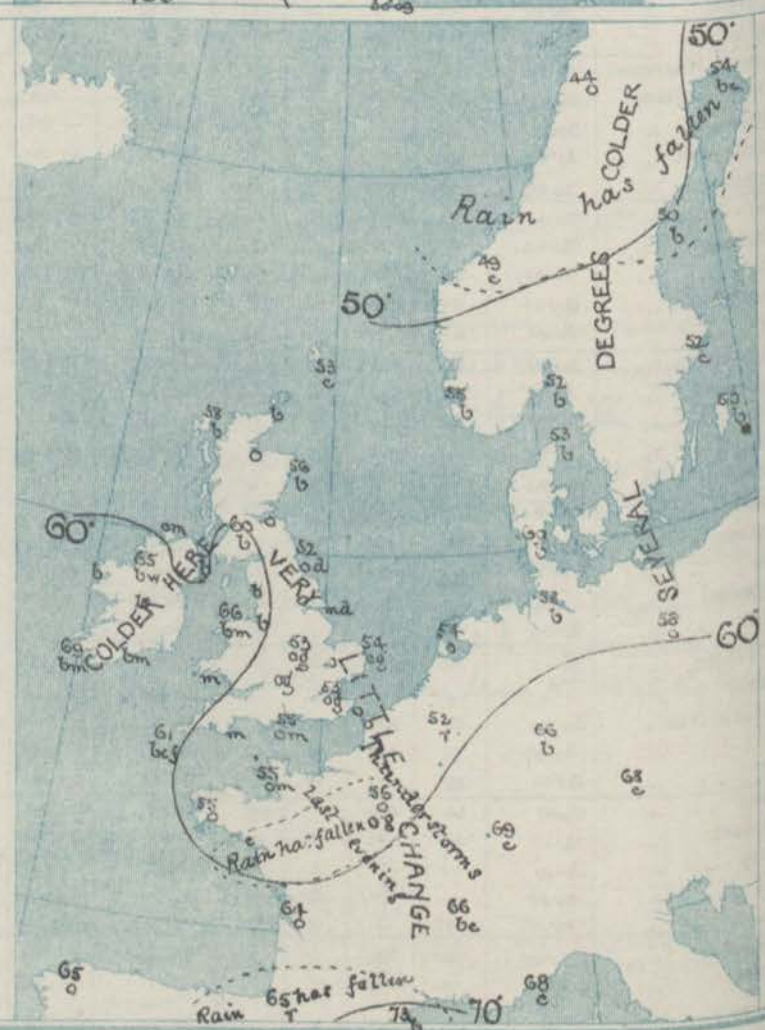
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## 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	54.9	45.5	50.7	49.1	2.07
Stornoway	58.3	46.4	54.2	51.7	2.99
Wick	59.2	46.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	60.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.02
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.73
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the rainfall means are mainly those for the 10 years 1866—85.





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.31 ins: over the east of Scotland, the north-east of England and North Highlands—30.2 ins: and more over the British Islands and Brittany. Lowest, 29.75 ins: over the south of the Baltic, 30.1 ins: over Central France, 30.0 ins: over Gulf of Genoa. Gradients moderate over Sweden, slight elsewhere. Barometer rising decidedly in far north, changing little elsewhere.
TEMPERATURE	Highest, 73° at Perpignan, 69° at Valencia and Belfort, 67° at Lisbon, 66° at Holyhead. Lowest, 44° at Bodo, 49° at Christiania, 50° at Helsingfors and Uusika, 51° at Oxford, 52° at Shields, 53° at Algiers, and 53° in London. It had fallen fast over Sweden and North Germany during the night.
WIND	Strong to a gale from the N <sup>W</sup> over the Gulf of Bothnia and Western Baltic. Moderate from same quarter over the North Sea. Moderate N.E. in Channel and north of France—Moderate W. in Spain and S.W. in France. Very light and variable in Ireland and Scotland.
WEATHER	Fine and bright in Scotland and the west of the British Isles, more or less cloudy elsewhere. Gloomy over England, with wet mist at some eastern stations; raining at Pau and Biarritz. Severe thunderstorms had occurred at Paris, and in other parts of France as well as in Belgium.
SEA	Moderate in the east, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS

For the 24 hours ending at NOON on 27<sup>th</sup> June 1887.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		
Skudesnaes ...	30.10	55	51	NW	8	bef	4	Holyhead ...	30.26	61	57	NNW	2	b m	1
Sumburgh Head ...	30.26	55	53	NNW	2	b	2	Valencia ...	30.13	74	66	W	3	b m	3
Stornoway ...	30.28	61	59	2	0	b	0	Scilly ...	30.20	60	58	E	4	ow	4
Aberdeen ...	30.28	70	62	WNW	2	b	1	Dungeness ...	30.20	59	57	ENE	4	0	3
Shields ...	30.29	53	51	NE	2	m	2	London ...	30.22	62	58	NNE	1	c	4
Ardrossan ...	30.26	68	64	WSW	2	b	1	Yarmouth ...	30.24	57	53	NNE	4	c	4
Malin Head ...	30.30	64	61	N	2	0	2	Jersey ...	30.18	64	60	ENE	3	b	3
Mullaghmore ...	30.27	80	66	WNW	1	b	1	Rochefort ...	30.16	74	68	WSW	5	b	2
Belmullet ...	30.29	72	67	NNE	1	b	*								

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

*The Continental Information will appear 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 27<sup>th</sup> June

1887.

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 35° 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 35° 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.	
<b>SCANDINAVIA.</b>																			
Haparanda ..	29.86	48	W	2	b.c.		29.80	- .05	55	50	+ 1	W	0	c	*		55	43	0.16
Hernösand ...	29.98	54	W	0	c		29.89	- .06	54	45	+ 4	N	2	b	*		61	45	-
Stockholm ...	30.01	51	N	2	b		29.98	+ .12	55	50	+ 3	W	2	b	*		59	46	-
Wisby ...	29.96	49	W	0	c		29.96	+ .20	52	48	+ 2	W	2	b	*		57	46	-
Bodo ...	29.99	46	W	6	c		29.84	- .26	44	43	0	W	6	r	1		48	41	1.02
Christiansund...	30.10	49	N	2	b.c.		29.86	- .40	54	50	+ 5	W	2	c	0		54	43	-
Skudesnaes ...	30.12	52	NW	5	c		30.01	- .15	51	49	- 4	SW	2	r	3		57	?	-
Christiania Fjord (Fjorder)	30.06	59	SW	4	b		29.95	- .15	57	55	+ 5	SW	4	c	2		61	?	-
Skagen (The Scaw)	30.06	54	W	1	b		29.98	- .10	56	52	+ 3	W	4	b	3		64	45	-
Faßö ...	30.12	50	NW	3	b		30.12	+ .04	64	55	+ 4	W	4	b	*		68	43	-
<b>BRITISH ISLANDS.</b>																			
Sumburgh Head	30.19	52	S	1	b.c.		29.94	- .35	52	49	- 1	WNW	4	c	3		55	48	0.01
Stornoway ...	30.15	66	NE	1	b		30.07	- .12	55	53	- 3	W	5	W	4		70	53	-
Wick ...	30.14	56	S	1	c		30.07	- .23	55	53	- 1	NW	3	c	1		59	50	0.01
Nairn ...	30.15	62	NE	2	b.c.		30.10	- .21	59	55	+ 5	W	3	c	2		65	51	-
Aberdeen...	30.20	56	SSW	2	b		30.09	- .22	62	56	+ 6	NW	3	c	2		62	48	-
Leith ...	30.22	59	E	1	b		30.12	- .19	61	56	+ 8	W	5	c	*		61	49	-
Shields ...	30.25	55	E	2	b		30.09	- .22	67	58	+ 15	W	2	b.c.	2		67	48	-
Spurn Head ...	30.28	53	NNE	3	b.c.		30.16	- .13	60	57	+ 7	SSW	2	b.m.	3		60	48	-
York ...	30.26	63	N	2	b		30.16	- .15	60	57	+ 5	S	1	b	*		64	45	-
Loughborough	30.27	64	ESE	1	b.c.		30.20	- .11	62	59	+ 9	W	0	b.m.	*		64	45	-
Ardrossan ...	30.21	65	W	0	b.m.		30.19	- .09	59	55	- 1	WNW	4	c	2		71	52	-
Malin Head ...	30.19	63	NW	1	c		30.23	- .03	57	55	+ 1	NW	3	c	2		64	56	-
Mullaghmore ...	30.24	66	W	4	b		30.28	+ .01	58	56	- 7	NW	2	W	2		72	56	-
Belaunet ...	30.28	72	N	1	b		30.32	+ .04	58	55	- 8	N	1	c	*		78	54	-
Donaghadee ...	30.23	63	W	2	b		30.24	+ .04	58	56	- 1	E	2	c	0		65	50	-
Barrow-in-Farness	30.21	71	NW	2	b		30.18	- .08	61	58	- 3	NW	3	b	*		72	59	-
Liverpool (Bidston)	30.21	73	S	1	b		30.21	- .06	62	57	- 1	W	1	b	2		76	55	-
Holyhead ...	30.25	60	NW	1	b.m.		30.23	- .02	65	60	- 1	WNW	1	b.m.	1		69	52	-
Parsonstown ...	30.23	63	W	0	b		30.29	+ .01	63	58	- 3	W	0	b	*		65	49	-
Valencia ...	30.25	75	NW	2	b.c.		30.29	+ .02	68	64	- 1	N	2	b.m.	2		79	53	-
Roche's Point...	30.27	70	SSW	1	b.m.		30.25	- .03	68	63	+ 3	NW	2	b	2		72	60	-
Pembroke ...	30.25	67	WNW	2	m		30.29	+ .04	60	60	- 2	W	1	b	0		67	60	-
Seilly ...	30.25	61	SE	2	c.f.		30.36	+ .13	58	52	- 3	W	3	b	3		68	54	-
Prawle Point ...	30.27	55	SSW	2	b		30.26	+ .02	58	57	+ 3	W	2	b	1		61	54	-
Jersey ...	30.23	60	NE	3	c		30.25	+ .05	58	54	+ 3	NNE	3	c.m.	3		62	53	-
Hurst Castle ...	30.25	62	E	3	b.m.		30.25	+ .01	60	57	+ 5	WNW	1	b	0		65	55	-
Dungeness ...	30.21	57	ESE	4	c		30.23	+ .02	56	51	+ 3	NE	2	c	2		58	51	-
London ...	30.26	56	N	3	c		30.24	- .02	58	53	+ 5	S	1	c	*		60	49	-
Oxford ...	30.27	56	NE	2	b		30.22	- .07	60	54	+ 9	W	0	b.m.	*		63	45	-
Cambridge ...	30.28	58	N	1	c		30.22	- .07	57	54	+ 3	S	1	b	*		60	45	-
Yarmouth ...	30.25	54	NNE	4	c.f.		30.22	- .03	54	51	0	NW	1	b	2		59	49	-
Cuxhaven ...	30.15	55	NE	1	b		30.13	+ .09	65	60	+ 7	W	1	b	*		66	55	-
Berlin ...	30.10	61	NE	2	b		30.18	+ .23	59	52	+ 1	W	2	b	*		?	?	-
Wiesbaden ...	*	*	*	*	*		30.13	+ .04	66	57	0	NE	2	b	*		75	55	-
Munich ...	30.04	65	W	1	b		30.12	+ .01	58	54	- 10	E	3	b	*		77	46	0.24
<b>FRANCE &amp; NETHERLANDS.</b>																			
The Helder ...	30.17	56	N	3	b.c.		30.19	+ .02	55	52	+ 1	NW	1	b	1		57	54	-
Brussels ...	*	*	*	*	*		30.18	- .01	57	55	+ 5	NW	3	c	*		64	48	-
Cape Gris Nez...	30.21	54	NE	7	b.c.		30.21	+ .02	53	52	+ 1	ESE	3	c	2		59	50	-
Paris ...	30.11	70	N	3	b		30.20	+ .05	54	50	- 2	NW	4	c	*		74	52	-
Brest ...	30.20	60	NE	3	b		30.29	+ .08	54	51	- 1	E	3	c	3		82	48	-
Lorient ...																			
Rochefort ...	30.18	64	WNW	5	c		30.21	+ .02	62	61	- 2	NE	4	c	*		70	57	0.47
Belfort ...	30.08	74	W	1	c		30.17	- .04	67	60	- 2	E	3	b	*		82	58	-
Lyons ...	30.07	64	ESE	1	c		30.02	- .09	65	60	- 1	N	4	b.c.	*		78	60	0.04
Nice ...	29.91	67	W	2	c		29.90	- .11	70	66	+ 2	W	0	b	0		79	61	-
Perpignan ...	30.06	74	NW	4	c		30.06	- .03	68	61	- 5	NW	4	c	*		79	65	-
Biarritz ...	30.21	69	WNW	5	c		30.21	- .00	66	63	+ 1	NW	5	c	2		72	64	0.24
<b>PORTUGAL.</b>																			
Corunna ...	*	*	*	*	*		30.24	+ .03	64	61	- 1	N	3	c	3		72	61	-
Lisbon ...	30.25	68	N	7	b		30.23	- .04	66	62	- 1	N	7	b.c.	4		75	64	-

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Monday, 27<sup>th</sup> June 1887.

## 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 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head.	29.860
Stornoway.	29.832
Wick.	29.861
Nairn.	29.868
Aberdeen.	29.876
Leith.	29.892
Shields.	29.918
York.	29.936
Ardrossan.	29.895
Donaghadee.	29.898
Holyhead.	29.929
Liverpool.	29.930
Valencia.	29.929
Roche's Point.	29.929
Pembroke.	29.937
Scilly.	29.971
Hurst Castle.	29.969
Dover.	29.962
LONDON.	29.963
Oxford.	29.953
Cambridge.	29.960
Yarmouth.	29.956



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

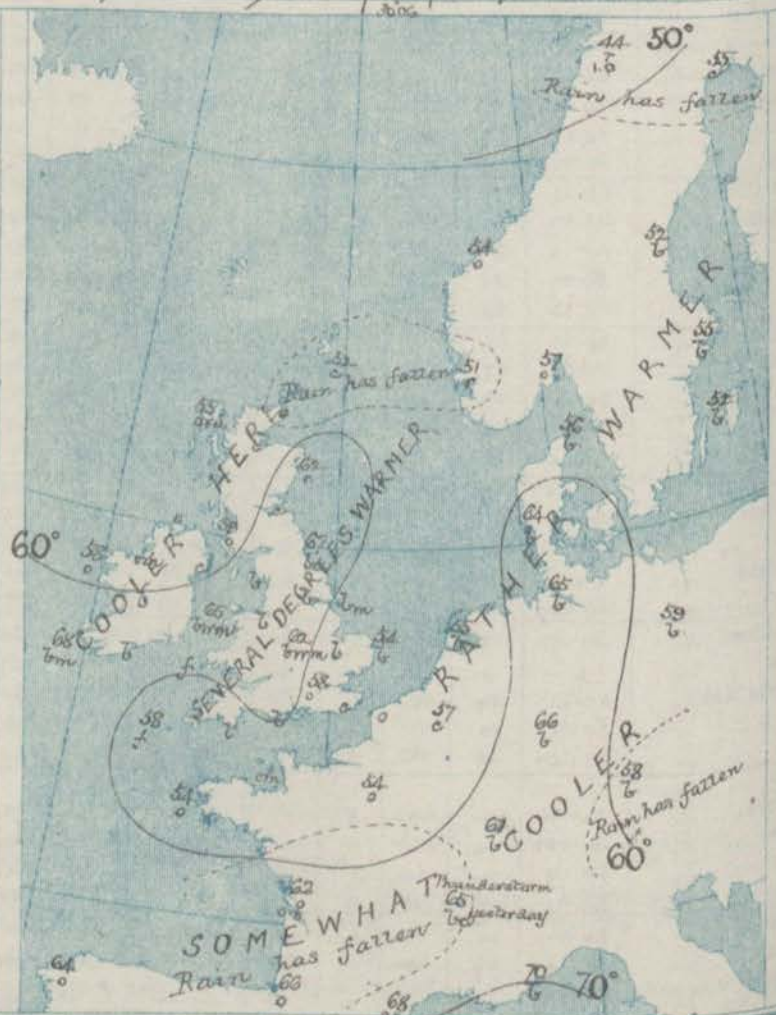
**Temperature** — Isotherms are drawn for each 10° changes since previous morning are stated in words.  
**Weather** — is shown by Letters of the Beaufort Scale.  
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, 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	54.9	45.5	50.7	49.1	2.07
Stornoway	58.3	46.4	54.2	51.7	2.99
Wick	50.2	40.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	58.4	53.1	1.84
Shields	61.2	50.1	55.2	51.0	1.82
York	66.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.2	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.36 ins. at Sicily, 30.29 to 30.32 ins. in the W. of Ireland, 30.21 ins. in the SW. of France, 30.23 ins. at Lisbon.  
 Lowest, 29.80 ins. at Haparanda, 29.84 ins. at Bodo, 29.9 ins. at Nise. Shallow local depressions are found over the North Sea and Spitzbergen.  
 Gradients are slight at present and irregular. Barometer falling fast in the far north, and moderately at Nise.

## TEMPERATURE

Highest, 70° at Nise, 68° at Valencia, Rochefort and Bagnan, 67° at Shields, 66° at Holyhead, Binnity, Wiesbaden and Belfast, 65° at Copenhagen.  
 Lowest, 44° at Bodo, 51° at Skudsmo, 52° at Lumburg, 44°, 53° at C. Guisnez, 54° at Yarmouth, and 55° in the N. of Scotland, and at the Helder.  
 Its distribution is therefore becoming irregular and its changes are fitted.

## WIND

Varies greatly. It is moderate to fresh from NW in Scotland, but SE in Norway. Very variable and light airs prevail over England and W. over Germany.  
 N. in Ireland and N. to E. in France.

## WEATHER

Fine and light over the southern part of England, and also over Germany, Denmark and Sweden. Dull in the west of France and in Scotland (where rain prevails locally and the appearance is threatening).  
 Very rainy in the west of Norway. Severe thunderstorms have again occurred over the south of France.

## SEA

Moderate in the north, slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

It is probable that the disturbance in the north will spread southwards, and the unsettled weather now prevalent in the north of Scotland will become general over the United Kingdom during the evening, twenty-four hours.

## FORECASTS

for the 24 hours ending at NOON on 28<sup>th</sup> June

1887.

### DISTRICTS.

### FORECASTS.

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

NW<sup>th</sup> winds, fresh or strong; some rain.  
 NW<sup>th</sup> breezes, moderate, colder, some rain.  
 D° D° D°  
 Same as N° 5  
 NW<sup>th</sup> breezes, light, fine, cold at night, unsettled tomorrow.  
 Variable airs followed by NW<sup>th</sup> breezes; fine, cold at night, unsettled tomorrow.

### DISTRICTS.

### FORECASTS.

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

NW<sup>th</sup> breezes, moderate, dull, colder than of late.  
 D° D° D°  
 Same as N° 5  
 N<sup>th</sup> breezes, light, fair.  
 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.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.17	58	51	WNW 4	b	3	Holyhead ...	30.26	67	61	N 1	b	1
Sumburgh Head							Valencia ...						
Stornoway ...	30.18	68	55	2 0	b	0	Scilly ...						
Aberdeen ...							Dungeness ...	30.23	57	54	ENE 4	0	4
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...	30.28	63	59	NNW 1	0	0	Jersey ...	30.24	58	55	NE 3	0	3
Mullaghmore ...							Rochefort ...	30.21	67	66	WNW 3	0	2
Belmullet ...	30.28	75	62	NNE 1	b	*							

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

Yesterday morning's reports showed that pressure then varied from between 30.2 ins and 30.3 ins over the British Islands and Channel to rather below 29.7 ins over the Baltic Provinces of Russia, and to about 30.1 ins in a shallow depression lying over Central France. The winds over North-western Europe were consequently chiefly N<sup>W</sup>; they blew hard at some of the Baltic stations, with fine weather, but moderately in the east of England, where the weather was dull and gloomy. In the Channel and north of France the wind was NE<sup>W</sup>, while over Spain and the south of France it was W<sup>S</sup> to NW<sup>W</sup>. Severe thunderstorms had occurred over Belgium and the central and southern parts of France and showers of rain over Brittany. Temperature was very low except in Ireland and the extreme south of Europe. The highest individual values were 83° at Cagliari, 81° at Ifaf (Algiers), 80° at Constantinople, 77° at Malta and Palermo, 76° at Livourne, 73° at Perpignan, 70° at Rome, 69° at Valencia (Ireland) and 66° at Parsonstown and Belmullet; the lowest were 44° at Rodez, 49° at Christiansund, 51° at Offord, 52° at Shields, York, Tønder and Brussels, and 53° in Brussels.

During the day temperature rose to 85° over Central Ireland, but was very low over England. Thunderstorms again took place over the southern parts of France and Germany, but over the British Isles the sky cleared temporarily.

## SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 19<sup>TH</sup> TO THE 25<sup>TH</sup> JUNE 1887.

The slight atmospheric disturbances which began to appear over the British Islands at the close of last week continued in force through Sunday. They then passed completely away, and a new anticyclonic system became established over us, having its centre over Scotland, while its south-eastern part extended over England to Belgium and Germany. N<sup>W</sup> winds prevailed at the eastern stations, and blew a gale over the Baltic and south of Norway and a fresh breeze on our east coast. In the Channel and France the wind was ENE<sup>W</sup>, and blew strongly; in Ireland it was E<sup>W</sup> and moderate, and in Scotland NE and light. For several days there was no important change; the air was cold except in Ireland, where the temperatures recorded were higher than in any other part of the Kingdom.

As the week advanced clouds became prevalent in many parts of Great Britain and wet mists in places — first on our north-eastern and eastern coasts and afterwards at the more inland stations; at the close of the week the anticyclone had decreased greatly in intensity, but dry weather was still prevalent in most places — with dull cloudy skies and cold winds over England, and with bright warm weather in the west of Ireland and thunderstorms in the southern and central parts of France.

## EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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# DAILY WEATHER REPORT.

for

Tuesday 28<sup>th</sup> June

1887.

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

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STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 3 P.M. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	29.73	49	2	0	0	29.75	-.05	56	52	+1	S	2	0	*	57	57	-	
Hernösand ...	29.78	55	2	0	0	29.85	-.07	60	50	+6	nnw	2	bc	*	63	46	-	
Stockholm ...	29.87	55	S	2	0	29.88	-.10	63	56	+8	2	0	c	*	63	45	-	
Wisby ...	29.85	57	SSW	4	0	29.88	-.08	60	56	+8	W	2	c	*	66	46	-	
Bodö ...	29.81	47	nnw	1	0	29.82	-.02	47	45	+3	SE	2	r	1	?	41	0.08	
Christiansund...	29.86	51	nnw	1	c	29.93	+.07	53	49	-1	nnw	3	c	2	?	50	0.04	
Skudesnaes ...	29.86	50	nnw	2	0	29.98	-.03	53	50	+2	nnw	7	c	4	?	50	-	
Christiania Fjord (Fjorder)	29.73	57	SSW	6	0	29.88	-.07	56	52	+1	nne	4	0	3	59	54	-	
Skagen (The Scaw)	29.81	52	nnw	3	0	29.84	-.14	57	53	+1	2	0	b	0	61	48	-	
Fanö ...	29.93	54	W	4	r	29.88	-.24	51	49	-13	nnw	4	c	*	64	50	0.08	
BRITISH ISLANDS.																		
Sumburgh Head	29.98	50	nnw	3	0	30.03	+.09	52	52	0	nnw	2	r	3	55	47	0.04	
Stornoway ...	30.17	57	N	3	0	30.18	+.11	58	57	+3	nnw	3	c	3	58	53	-	
Wick ...	30.10	56	nnw	5	0	30.15	+.08	56	54	+1	nnw	3	0	1	58	48	0.03	
Nairn ...	30.17	57	nnw	2	c	30.20	+.10	58	52	-1	W	2	c	2	61	51	-	
Aberdeen...	30.12	61	nnw	3	c	30.19	+.10	58	55	-4	nnw	1	0	1	65	49	-	
Leith ...	30.12	65	W	1	c	30.21	+.09	62	57	+1	W	3	c	*	73	50	-	
Shields ...	30.12	60	SE	2	0	30.23	+.14	61	54	-6	nne	2	bc	2	72	50	-	
Spurn Head ...	30.12	59	nne	3	bc	30.24	+.08	59	55	-1	N	3	bc	2	72	54	-	
York ...	30.11	68	E	1	bc	30.24	+.08	60	55	0	N	1	b	*	84	52	-	
Loughborough	30.14	70	nnw	4	0	30.25	+.05	59	56	-3	nnw	2	cm	*	81	52	-	
GERMANY.																		
Ardrossan ...	30.10	60	nnw	4	c	30.27	+.08	57	55	-2	nnw	3	0	2	65	51	-	
Malin Head ...	30.25	59	nnw	3	0	30.30	+.07	57	55	0	nnw	3	0	2	61	57	-	
Mullaghmore ...	30.30	63	nnw	4	b	30.36	+.08	58	55	0	nnw	3	cm	2	65	57	-	
Belmullet ...	30.35	61	nnw	1	0	30.38	+.06	58	55	0	nnw	1	0	*	62	57	-	
Donaghadee ...	30.25	60	nne	4	bc	30.31	+.07	58	54	0	N	2	0	0	67	53	-	
FRANCE & NETHERLANDS.																		
Barrow-in-Farness	30.22	61	nnw	5	bc	30.25	+.07	57	54	-4	nnw	4	bc	*	65	52	-	
Liverpool (Bidston)	30.22	61	W	4	bc	30.28	+.07	59	54	-3	nnw	3	c	3	66	55	-	
Holyhead ...	30.25	57	N	1	bc	30.32	+.09	56	54	-9	nnw	2	cm	1	66	52	-	
Parsonstown ...	30.28	72	2	0	b	30.37	+.08	58	?	-10	2	0	og	*	76	48	-	
Valencia ...	30.31	64	nnw	3	bm	30.38	+.09	64	59	-4	nne	1	bm	1	68	53	-	
Roche's Point...	30.26	70	nnw	3	b	30.36	+.11	64	60	-4	N	3	b	3	80	56	-	
Pembroke ...	30.21	70	nnw	3	c	30.33	+.04	61	58	+1	nne	3	bc	2	75	54	-	
Scilly ...	30.25	63	nnw	4	cf	30.31	-.05	63	60	+5	nne	4	c	4	63	56	-	
Prawle Point ...	30.18	74	nnw	2	b	30.28	+.02	64	58	+6	SW	2	b	2	74	65	-	
Jersey ...	30.23	61	W	3	r	30.24	-.01	63	55	+5	nne	3	bm	3	66	53	0.01	
HURST CASTLE.																		
Hurst Castle ...	30.16	62	SW	3	b	30.24	-.01	63	59	+3	nnw	4	b	1	64	54	-	
Dungeness ...	30.14	58	nnw	4	b	30.19	-.04	60	57	+4	nne	3	bc	2	61	53	-	
London ...	30.11	75	SW	1	bc	30.23	-.01	60	56	+2	nne	1	cm	*	82	55	-	
Oxford ...	30.15	69	N	2	bc	30.28	+.03	58	54	-2	nnw	2	0	*	81	52	-	
Cambridge ...	30.12	73	nnw	2	c	30.24	+.02	62	56	+5	N	1	c	*	83	52	-	
Yarmouth ...	30.08	62	S	4	b	30.20	-.02	58	53	+4	N	4	bc	3	63	52	-	
Cuxhaven ...	30.09	56	nnw	3	c	29.96	-.17	56	52	-9	nnw	6	0	*	66	56	-	
Berlin ...	30.04	66	SW	1	b	29.94	-.24	63	55	+4	SW	2	c	*	73	52	-	
Wiesbaden ...	*	*	*	*	*	30.06	-.07	64	58	-2	nnw	3	0	*	77	59	-	
Munich ...	30.10	60	N	1	b	30.10	-.02	65	57	+7	SW	2	b	*	70	48	-	
FRANCE & NETHERLANDS.																		
The Helder ...	30.08	58	nnw	1	0	30.11	-.08	56	52	+1	nnw	4	c	3	63	55	-	
Brussels ...	*	*	*	*	*	30.14	-.04	57	55	0	N	1	0	*	75	55	-	
Cape Gris Nez...	30.15	57	nnw	5	b	30.18	-.03	57	54	+4	nne	4	c	3	63	52	-	
Paris ...	30.14	68	N	3	b	30.17	-.03	56	54	+2	SW	1	bc	*	72	49	-	
Brest ...	30.28	58	N	4	m	30.34	+.05	53	53	-1	N	4	m	2	82	?	-	
Lorient ...	30.23	70	nnw	3	b	30.27	+.06	61	58	-1	nnw	3	b	2	75	54	-	
Rocheport ...	30.21	67	nnw	5	b	30.27	+.03	67	59	0	SW	1	b	*	78	46	-	
Belfort ...	30.03	75	E	1	b	30.10	+.11	64	57	-1	nnw	3	b	*	77	58	-	
Lyons ...	30.01	70	nnw	5	c	30.01	+.11	69	63	-1	2	0	b	1	81	59	-	
Nice ...	29.93	67	nne	1	c	30.09	+.03	70	62	+2	nnw	7	b	*	82	64	-	
Perpignan ...	30.02	70	nnw	7	b	30.27	+.06	64	58	-2	nnw	5	c	2	68	63	0.12	
Biarritz ...	30.22	67	N	7	b	*	*	*	*	*	N	7	b	2	77	63	-	
PENIN. SULA.																		
Corunna ...	*	*	*	*	*	30.13	-.10	68	62	+2	N	7	b	2	77	63	-	
Lisbon ...	30.14	66	N	8	b	*	*	*	*	*	*	*	*	*	*	*	-	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

Tuesday, 28<sup>th</sup> June.

1887.

## 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 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.860
Stornoway	29.832
Wick	29.861
Nairn	29.868
Aberdeen	29.876
Leith	29.892
Shields	29.913
York	29.936
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.969
Dover	29.962
LONDON	29.963
Oxford	29.953
Cambridge	29.960
Yarmouth	29.956



## 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.

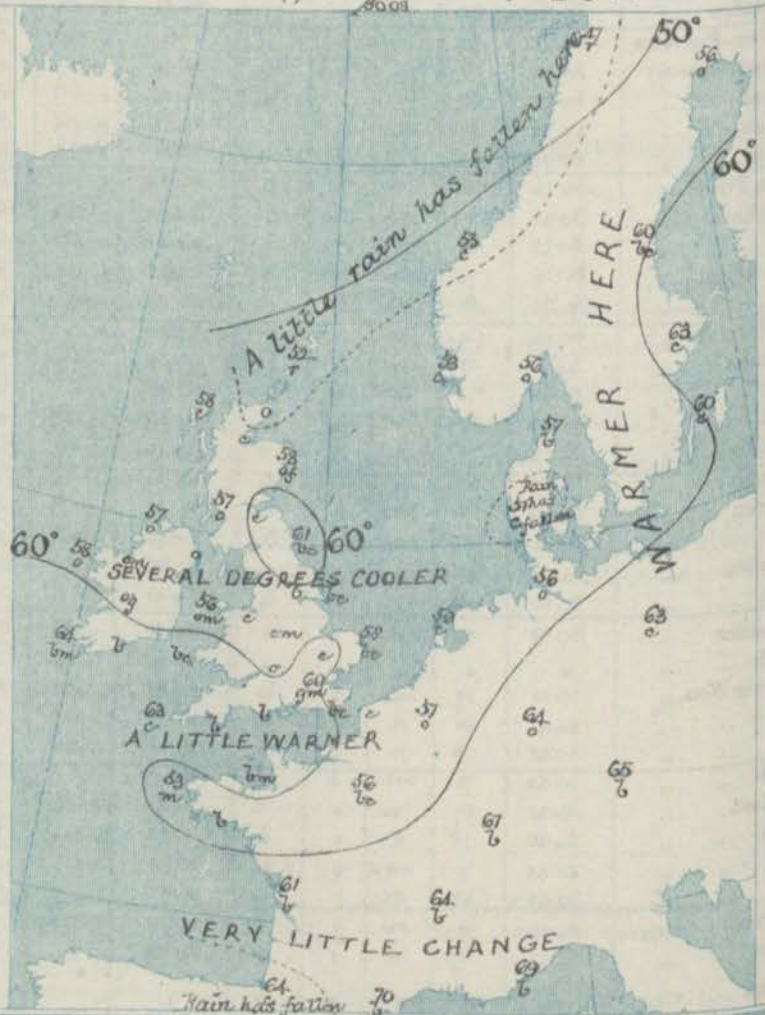
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## 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.	
			Dry.	Wet.	
Sumburgh Head	54.9	45.5	50.7	49.1	2.07
Stornoway	58.3	46.4	54.2	51.7	2.99
Wick	59.2	46.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	66.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.63
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.8	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the rainfall means are mainly those for the 20 years 1866—85.





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.30 to 30.38 ins: over Ireland, Wales, and the west of England. Lowest, about 29.8 ins: over Denmark and the south of Sweden, 30.0 ins: over the Gulf of Genoa. Gradients moderate over the North Sea, slight elsewhere. Barometer rising throughout our islands.
TEMPERATURE	Highest, 70° at Perpignan, 69° at Nice, 68° at Lisbon, 60° to 64° on our SW coasts, also over the NE coasts of England, and in Sweden. Lowest, 47° at Rode, 51° at Janö, 52° at Lumburghs Head, 53° in the west of Norway, 56° in the Netherlands. It is lower over the British Islands than it was yesterday.
WIND	Moderate to strong from N.W. over the North Sea - light N.W. in the British Isles. Very variable in the north and west of France. W. and S.W. over Germany.
WEATHER	Cloudy over the British Islands and Scandinavia, with some rain in the extreme north of Scotland and west of Norway. At several stations, however, the sky is nearly clear.
SEA	Very little disturbed.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT



The barometer is rising at almost all stations, and at present there is no indication of any important change of weather over the British Islands.

## FORECASTS

For the 24 hours ending at NOON on 29<sup>th</sup> June

1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW <sup>2</sup> and W <sup>2</sup> winds, cloudy, some rain	6 SCOTLAND WEST	Same as No 0
1 SCOTLAND EAST	N <sup>2</sup> and NW <sup>2</sup> winds, moderate or light; fair generally.	7 ENGLAND N.W.	N <sup>2</sup> breezes, light; fine.
2 ENGLAND N.E.	----- D° ----- D° ----- D° -----	8 ENGLAND S.W.	----- D° ----- D° ----- D° -----
3 ENGLAND EAST	Same as No 5	9 IRELAND NORTH	----- D° ----- D° ----- D° -----
4 MIDLAND COUNTIES	Same as No 1	10 IRELAND SOUTH	----- D° ----- D° ----- D° -----
5 ENGLAND SOUTH	N <sup>2</sup> breezes, moderate or light; fair generally cool.	WARNINGS	NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.91	51	50	W 1/2 W 2	r	3	Holyhead ...	30.25	60	52	W 1/2 W 2	bc m	1
Sumburgh Head ...	29.93	51	49	W 1/2 W 5	0	4	Valencia ...	30.32	61	63	W 1/2 W 4	bc m	4
Stornoway ...	30.15	57	56	N 5	0	4	Scilly ...	30.26	63	61	W 1/2 W 4	0 f	3
Aberdeen ...	30.10	64	57	W 1/2 W 3	c	2	Dungeness ...	30.20	60	55	W 4	6	2
Shields ...	30.12	62	56	W 1/2 E 2	c	2	London ...	30.15	78	65	W 1	6	*
Ardrossan ...	30.18	65	58	W 1/2 W 4	c	3	Yarmouth ...	30.13	60	57	W 1/2 E 5	6	3
Malin Head ...	30.25	61	56	W 3	0	2	Jersey ...	30.26	63	56	W 1/2 W 2	6	2
Mullaghmore ...	30.30	64	58	W 4	bc	3	Rocheport ...	30.23	68	64	W 5	6	2
Belmullet ...	30.33	62	58	N	0	*							

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

Yesterday morning's reports showed that while pressure remained highest (30.1 to 30.3 ins.) over Western Europe and the British Isles, and was lowest (29.7 ins.) over Russia, some new shallow disturbances were appearing over Scandinavia, the North Sea, Wales, and the Gulf of Genoa, causing considerable local variations of wind and temperature, but producing hardly any rain, even at the most northern stations. In some parts of France thunderstorms had again been experienced. The wind freshened considerably from NW. in the north, but was light and variable over France and Germany. Temperature varied from about 85° over Algeria, and from between 70° and 80° over the Mediterranean to very little above 60° over the British Isles, to little above 50° over Scandinavia, and to less than 50° over Lapland. The highest individual values were 85° at Biskra (Algeria) and at Cagliari, 77° at Malta, 75° at Palermo, Rome, and Livourne, 70° at Nice, 68° at Perpignan and Valencia (Ireland) and 67° at North Shields; the lowest 39° at Archangel, 44° at Rode, 48° at Krasnodar and Moscow, 49° at St. Petersburg and Warsaw, 50° at Hangö, 51° at Skudesnaes, 52° at Sumburgh Head, Helsingfors and Viborg, and 54° at Paris.

Later in the day temperature rose greatly over England, but fell when the wind shifted to the northward again in the rear of the disturbances as they passed southwards.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 5 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 29<sup>th</sup> June

1887.

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

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STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dirac.	Force (0 to 12.)		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dirac.	Force (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	29.79	52	SW	2	0	29.79	+ .04	58	53	+ 2	S	2	b	*	66	48	—	
Hernösand ...	29.80	57	L	0	r	29.80	+ .03	58	52	— 7	NW	2	bc	*	72	50	—	
Stockholm ...	29.97	59	S	2	0	29.96	+ .08	64	59	+ 1	NW	2	c	*	73	52	—	
Wishby ...	29.95	55	SW	4	b	29.97	+ .09	57	54	— 3	WSW	4	c	*	63	52	—	
Bodö ...	29.82	48	SE	2	r	29.84	+ .02	49	48	+ 2	SE	2	r	1	?	45	0.75	
Christiansund...	29.97	52	WSW	8	f	30.05	+ .12	51	50	— 2	WSW	9	r	4	?	48	0.08	
Skudesnaes ...	30.12	53	WNW	4	f	30.21	+ .23	54	53	+ 1	NW	4	r	3	57	?	—	
Christiania Fjord (Færder)	29.98	59	SW	4	b	30.03	+ .15	61	57	+ 5	L	0	b	2	63	55	—	
Skagen (The Scaw)	30.02	55	NW	1	bc	30.05	+ .21	61	56	+ 4	W	2	b	1	70	50	—	
Fanö ...	30.10	54	NW	4	b	30.19	+ .31	55	52	+ 4	WNW	4	c	*	64	50	—	
BRITISH ISLANDS.																		
Sumburgh Head	30.13	53	WNW	3	m	30.29	+ .26	54	53	+ 2	WNW	4	0	3	55	49	0.01	
Stornoway ...	30.29	60	W	2	0	30.29	+ .21	60	59	+ 2	L	0	0	0	63	56	—	
Wick ...	30.26	57	NW	4	0	30.38	+ .23	61	57	+ 5	NW	2	0	0	64	55	—	
Nairn ...	30.27	68	W	3	b	30.41	+ .21	63	58	+ 5	W	1	bc	1	71	57	—	
Aberdeen...	30.26	64	SSE	1	c	30.40	+ .21	67	60	+ 9	NNW	1	bc	1	73	53	—	
Leith ...	30.27	68	W	3	c	30.41	+ .20	65	59	+ 3	W	1	bm	*	73	52	—	
Shields ...	30.27	62	S	1	0	30.40	+ .17	60	56	— 1	N	1	c	2	64	52	—	
Spurn Head ...	30.30	60	ENE	2	bc	30.42	+ .18	63	59	+ 4	L	0	bc	2	63	57	—	
York ...	30.29	70	E	1	c	30.41	+ .17	62	57	+ 2	N	1	c	*	74	50	—	
Loughborough	30.29	70	NW	2	c	30.42	+ .17	63	59	+ 4	WNW	1	bm	*	74	53	—	
Ardrossan ...	30.33	58	WNW	3	0	30.43	+ .16	56	54	— 1	NW	1	0	1	62	48	—	
Malin Head ...	30.37	58	NW	3	0	30.45	+ .15	59	58	+ 2	W	1	0	0	60	57	—	
Mullaghmore ...	30.42	61	WNW	2	0	30.48	+ .12	60	56	+ 2	L	0	0	1	63	57	—	
Belinullet ...	30.44	61	NNW	1	0	30.50	+ .12	60	55	+ 2	N	1	0	*	62	57	—	
Donaghadee ...	30.38	58	N	2	c	30.45	+ .14	62	57	+ 4	NNE	4	b	2	62	55	—	
Barrow-in-Furness	30.32	61	NW	4	b	30.39	+ .14	58	56	+ 1	NW	3	b	*	65	55	—	
Liverpool (Bidston)	30.36	61	W	3	b	30.44	+ .16	58	55	— 1	WNW	2	c	3	64	56	—	
Holyhead ...	30.39	58	L	0	b	30.46	+ .14	56	53	0	NNW	2	c	2	63	55	—	
Parsonstown ...	30.40	72	L	0	bc	30.50	+ .13	60	56	+ 7	NE	1	0	*	72	53	—	
Valencia ...	30.41	65	N	1	bm	30.48	+ .10	64	59	0	N	3	cm	2	69	56	—	
Roche's Point...	30.39	71	SSW	3	bm	30.47	+ .11	65	60	+ 1	N	1	b	1	72	56	—	
Pembroke ...	30.37	67	N	3	c	30.46	+ .13	59	57	— 2	S	1	cg	0	67	54	—	
Scilly ...	30.36	63	N	3	bm	30.42	+ .11	64	59	+ 1	NE	4	bm	3	64	58	—	
Prawle Point ...	30.32	60	SW	2	b	30.41	+ .13	68	59	+ 4	NE	3	b	b	70	54	—	
Jersey ...	30.32	66	N	3	bm	30.27	+ .13	64	58	+ 1	L	0	cm	0	68	52	—	
Hurst Castle ...	30.31	61	S	4	0	30.40	+ .16	63	60	0	NE	3	m	0	72	53	—	
Dungeness ...	30.28	59	E	4	b	30.37	+ .18	61	59	+ 1	NE	3	e	2	64	54	—	
London ...	30.29	69	N	2	c	30.40	+ .17	64	59	+ 4	N	1	0	*	72	58	—	
Oxford ...	30.33	65	NNW	3	0	30.43	+ .18	60	57	+ 2	N	1	bc	*	71	54	—	
Cambridge ...	30.28	70	N	1	0	30.42	+ .18	64	58	+ 2	N	1	c	*	74	55	—	
Yarmouth ...	30.30	60	N	3	b	30.39	+ .19	60	57	+ 2	N	3	bc	3	63	53	—	
Cuxhaven ...	30.15	54	NNW	5	bc	30.24	+ .28	59	56	+ 3	NW	3	0	*	59	54	0.04	
Berlin ...	30.01	60	S	1	c	30.19	+ .25	61	55	— 2	NW	3	b	*	64	54	0.28	
Wiesbaden ...	*	*	*	*	*	30.28	+ .22	59	53	— 5	NE	2	bc	*	66	54	—	
Munich ...	30.10	53	NW	3	0	30.24	+ .14	52	50	— 13	NW	2	0	*	72	46	0.55	
FRANCE & NETHERLANDS.																		
The Helder ...	30.22	56	N	4	0	30.32	+ .21	55	54	— 1	N	3	0	2	57	54	—	
Brussels ...	*	*	*	*	*	30.34	+ .20	57	51	0	ENE	1	0	*	65	54	—	
Cape Gris Nez...	30.29	57	NE	3	b	30.37	+ .19	58	56	+ 1	N	5	0	2	68	57	—	
Paris ...	30.25	66	N	3	bc	30.37	+ .20	54	52	— 2	NNE	3	0	*	72	49	—	
Brest ...	30.23	64	NNW	4	b	30.41	+ .07	59	58	+ 6	L	0	b	0	64	52	—	
Lorient ...	30.28	73	NNE	5	b	30.36	+ .09	61	?	+ 2	E	3	b	2	79	55	?	
Rochefort ...	30.25	69	NW	5	c	30.33	+ .06	61	57	0	ENE	5	c	2	73	57	—	
Belfort ...	30.10	71	SW	1	0	30.22	+ .12	58	50	— 9	NE	4	c	*	77	50	—	
Lyons ...	30.10	73	NNW	4	bc	30.21	+ .08	56	51	— 8	NNW	5	b	*	79	54	—	
Nice ...	29.97	75	W	1	c	29.88	— .13	68	64	— 1	E	5	bc	3	79	64	—	
Perpignan ...	30.12	76	NW	5	b	30.12	+ .03	72	61	+ 2	WNW	4	c	*	80	66	—	
Biarritz ...	30.29	70	NW	4	b	30.27	0.00	67	63	+ 3	WNW	5	c	2	72	64	—	
PENIN- SULA.																		
Corunna ...	*	*	*	*	*	30.00	— .13	77	?	+ 9	NE	5	b	3	84	?	—	
Lisbon ...	30.04	76	N	7	b													

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

WEDNESDAY 29<sup>th</sup> June.

1887.

## 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.

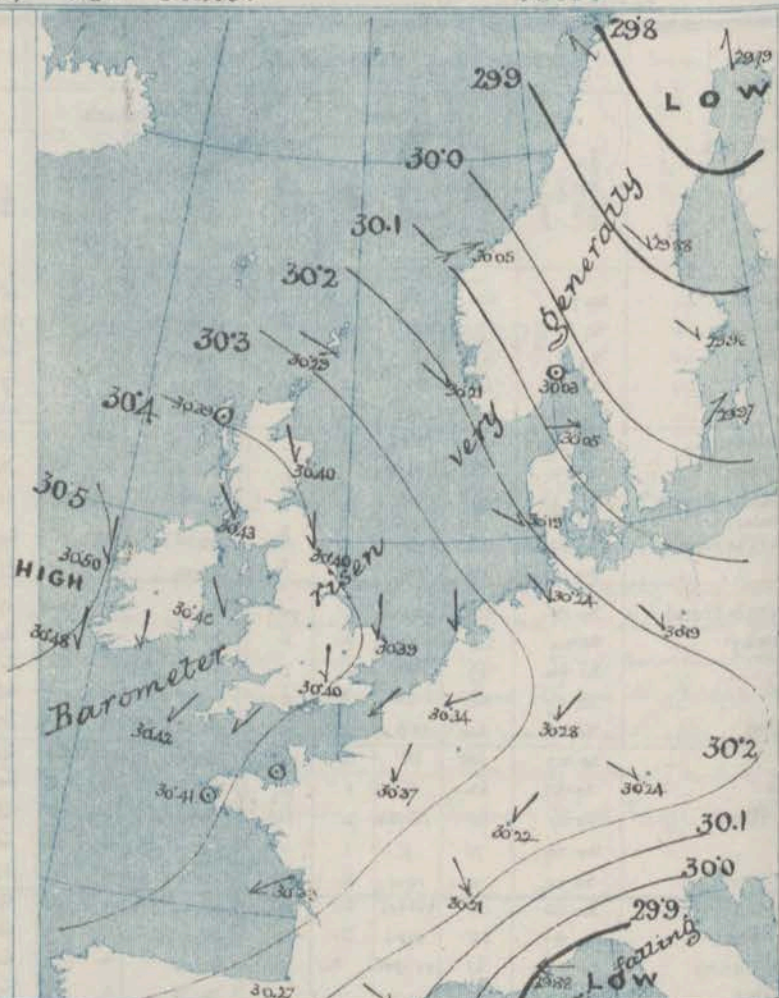
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of June.  
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head.	29.860
Stornoway.	29.832
Wick.	29.861
Nairn.	29.868
Aberdeen.	29.876
Leith.	29.892
Shields.	29.918
York.	29.936
Ardrossan.	29.895
Donaghadee.	29.898
Holyhead.	29.929
Liverpool.	29.930
Valencia.	29.929
Roche's Point.	29.929
Pembroke.	29.937
Scilly.	29.971
Hurst Castle.	29.969
Dover.	29.962
LONDON.	29.963
Oxford.	29.958
Cambridge.	29.960
Yarmouth.	29.956



## 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.

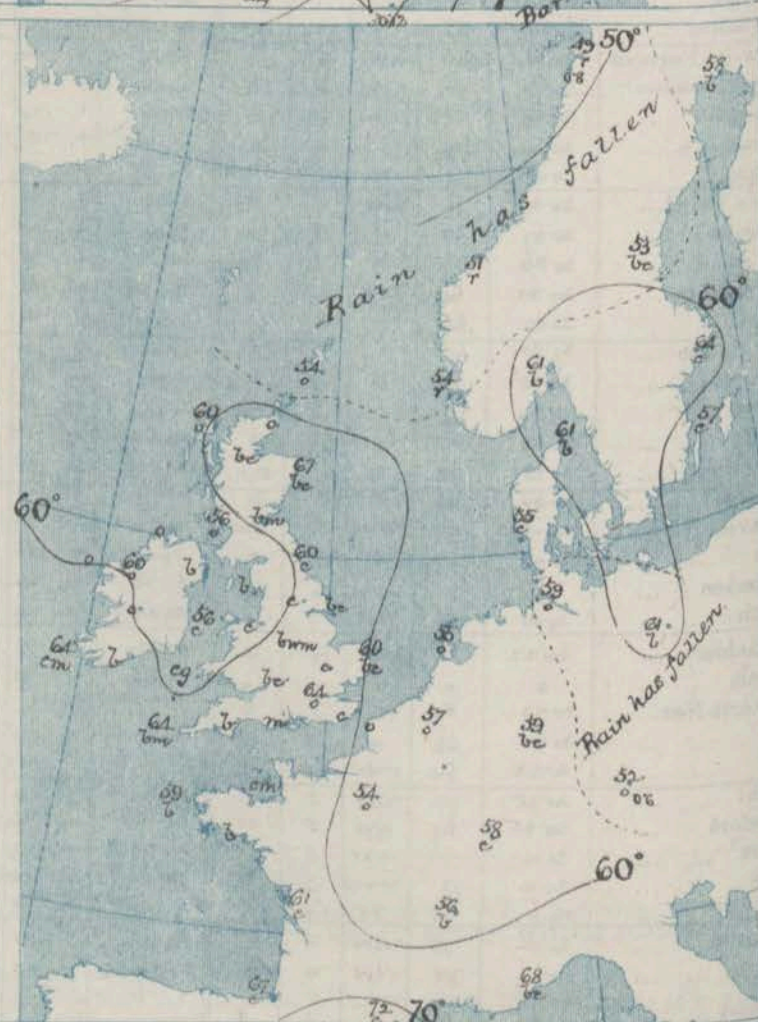
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## 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	54.9	45.5	50.7	49.1	2.07
Stornoway	58.3	46.4	54.2	51.7	2.99
Wick	59.2	46.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	66.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.2	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—85.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.4 ins to 30.5 ins over the British Isles generally, and at Brest.  
Lowest, 29.79 in at Haparanda, 29.9 ins and less over the Gulf of Genoa, 29.96 in at Stockholm, 30.27 ins at Livorno, 30.00 at Lisbon.  
Gradients very slight. Barometer rising slowly in our islands, falling decidedly in the south-east of France.

## TEMPERATURE

Highest, 72° at Paris, 68° at Nice, 67° at Livorno, 65° in the south of Ireland, and 64° at Stockholm.  
Lowest, 40° at Hode, 52° at Munich, 54° at Helsingfors and Paris, 55° at the Helder and Fao and 50° at Lyons.  
Its tendency is to increase throughout our islands, but to fall over the Baltic and Germany and the south-east of France.

## WIND

Very light NW<sup>ly</sup> over the northern parts of our islands — N<sup>ly</sup> in the east.  
Moderate NE<sup>ly</sup> in the Channel and Bay of Biscay, W<sup>ly</sup> and NW<sup>ly</sup> over the Baltic and Germany.  
Calms and N<sup>ly</sup> winds prevail in Ireland.

## WEATHER

Clear in the south-west — Clouds in other parts of the British Islands and over the North Sea.  
Rainy in the west of Norway, but fine at the Swedish stations.  
[Rain fell yesterday over Germany and Scandinavia.]

## SEA

Smooth or nearly so on all our coasts.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is still no indication of any important change.

## FORECASTS

For the 24 hours ending at NOON on 30<sup>th</sup> June. 1887.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	NW <sup>ly</sup> winds, light; dull, some rain.
1	SCOTLAND EAST	N <sup>ly</sup> breezes, light; fine.
2	ENGLAND N.E.	— D° — D° —
3	ENGLAND EAST	— D° — D° —
4	MIDLAND COUNTIES	— D° — D° —
5	ENGLAND SOUTH	NE <sup>ly</sup> breezes, light; fine.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	NW <sup>ly</sup> breezes, light, fine.
7	ENGLAND N.W.	— D° — D° —
8	ENGLAND S.W.	Same as No. 5.
9	IRELAND NORTH	Variable N <sup>ly</sup> airs; fine.
10	IRELAND SOUTH	— 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.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.07	59	52	WNW 6	c	4	Holyhead ...	30.37	62	58	WNW 1	0	1
Sumburgh Head ...	30.09	53	52	WNW 2	o	3	Valencia ...	30.40	69	62	NNW 3	bm	3
Stornoway ...	30.24	60	59	W 2	o	2	Scilly ...	30.35	63	61	NNE 5	be	4
Aberdeen ...	30.21	66	59	SSE 2	be	1	Dungeness ...	30.26	62	59	E 3	b	2
Shields ...	30.25	61	55	E 2	c	2	London ...	30.26	68	58	NW 2	c	*
Ardrossan ...	30.31	61	58	WNW 4	c	3	Yarmouth ...	30.27	62	59	N 5	b	4
Malin Head ...	30.35	59	58	NW 3	o	2	Jersey ...	30.30	66	59	SW 3	b	3
Mullaghmore ...	30.39	63	58	WNW 2	omv	2	Rocheport ...	30.26	69	63	NW 4	b	2
Belmullet ...	30.42	62	59	NW 1	o	*							

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

Yesterday morning reports showed that pressure varied from 30.3 ins. and more over the western parts of the British Islands and from 30.1 ins. and more over Southern Russia to between 29.8 ins. & 29.9 ins. over the Baltic and Northern Europe. The winds over Northwestern and Western Europe were consequently N<sup>ly</sup> (NW to NE), but there were local variations in some places owing to some irregularities in pressure distribution.

The thermometer was not so high as on Monday, and the amount of cloud prevalent over the British Islands had increased decidedly. Thunderstorms had again occurred in the South of France and rain over some parts of Northern Europe. Temperature remained low over Central Europe and the north of France and the individual readings varied from 84° at Biaktra (Algeria) and Cagliari, 79° at Barcelona and Malta, 77° at Brindisi, 76° at Palermo, 70° at Perpignan, 69° at Nice and 64° at Valencia, to 44° at Archangel, 43° at Moscow, 47° at Rost, 51° at Kropki and Leno, 52° at Sumburgh Head and Kharkov and 53° at Uleaborg, Christiansund and Skudesnaes.

No important change occurred during the day.

### TEMPERATURE ON JUNE 27<sup>th</sup>.

NOTE. At Cambridge the minimum temperature reported at 8 a.m. on Monday, June 27<sup>th</sup> should be 36°. On the grass in the neighbourhood a thermometer fell to 29°.

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

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

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

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

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



# DAILY WEATHER REPORT.

for Thursday 30<sup>th</sup> June 1887.

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.			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.	
<b>SCANDINAVIA.</b>																			
Haparanda ...	29.71	53	W	0	c		29.69	-0.02	54	51	-3	NW	4	0	+		63	49	0.04
Hernösand ...	29.88	58	W	2	c		29.88	0.00	60	53	-7	W	6	0	+		66	50	-
Stockholm ...	30.00	63	W	0	c		29.96	-0.04	66	60	-6	W	2	0	+		72	54	0.04
Wishby ...	29.95	62	W	2	bc		29.96	+0.01	59	55	-4	W	4	0	+		73	54	-
Bodö ...	29.84	47	W	4	f		29.85	+0.01	45	45	0	SW	2	0	+		45	45	0.51
Christiansund ...	30.05	52	W	9	r		30.08	+0.03	52	51	-1	W	8	0	+		54	?	0.91
Skudesnaes ...	30.32	54	W	4	c		30.29	-0.03	54	54	0	W	2	0	+		59	54	-
Christiania Fjord (Fjord)	30.04	64	W	2	b		30.10	+0.06	63	57	-6	W	4	0	+		64	61	-
Skagen (The Scaw)	30.07	61	W	1	b		30.13	+0.06	63	58	-5	W	1	0	+		73	52	-
Fanö ...	30.23	55	W	4	c		30.21	-0.02	62	57	-5	W	6	0	+		63	54	-
<b>BRITISH ISLANDS.</b>																			
Sumburgh Head	30.31	55	W	2	c		30.30	-0.01	54	54	0	W	2	0	+		59	50	0.01
Stornoway ...	30.37	64	W	2	0		30.34	-0.03	64	62	-2	W	1	0	+		68	58	-
Wick ...	30.42	64	W	2	bc		30.38	-0.04	62	60	-2	W	1	0	+		72	50	0.01
Nairn ...	30.42	69	W	1	bc		30.40	-0.02	65	57	-8	W	1	0	+		70	52	-
Aberdeen ...	30.44	63	S	1	0		30.41	-0.03	69	60	-9	W	1	0	+		70	53	-
Leith ...	30.41	68	W	1	c		30.43	+0.02	66	58	-8	W	1	0	+		73	54	-
Shields ...	30.45	65	W	2	b		30.43	-0.02	65	60	-5	W	1	0	+		66	54	-
Spurn Head ...	30.45	62	W	1	b		30.47	+0.02	60	57	-3	W	0	0	+		64	54	-
York ...	30.45	67	W	1	c		30.48	+0.03	67	57	-10	W	0	0	+		73	47	-
Loughborough	30.42	73	W	1	0		30.48	+0.06	67	62	-5	W	2	0	+		74	53	-
Ardrara ...	30.43	63	W	4	b		30.45	+0.02	60	55	-5	W	1	0	+		68	47	-
Malin Head ...	30.49	63	W	2	0		30.47	-0.02	59	59	0	W	2	0	+		64	57	-
Mulhaghmore ...	30.52	61	W	2	0		30.50	-0.02	64	59	-5	W	1	0	+		64	50	-
Belmullet ...	30.53	63	W	1	0		30.50	-0.03	62	57	-5	W	1	0	+		65	48	-
Donaghadee ...	30.48	63	W	3	b		30.49	+0.01	61	57	-4	W	4	0	+		66	56	-
Barrow-in-Furness	30.43	64	W	2	b		30.46	+0.03	62	59	-3	W	1	0	+		66	56	-
Liverpool (Bidston)	30.46	62	W	1	b		30.46	0.00	64	58	-6	W	1	0	+		65	55	-
Holyhead ...	30.47	59	W	1	b		30.46	-0.01	61	58	-3	W	1	0	+		65	57	-
Parsonstown ...	30.50	67	W	1	b		30.49	-0.01	61	58	-3	W	0	0	+		68	50	-
Valencia ...	30.48	67	W	2	bm		30.47	-0.01	66	62	-4	W	3	0	+		70	56	-
Roche's Point ...	30.47	68	W	2	b		30.48	+0.01	65	62	-3	W	2	0	+		70	59	-
Pembroke ...	30.45	64	W	3	b		30.44	-0.01	62	60	-2	W	0	0	+		65	54	-
Scilly ...	30.44	65	W	3	bm		30.44	0.00	65	60	-5	W	1	0	+		66	56	-
Prawle Point ...	30.38	62	W	0	b		30.47	+0.09	59	55	-4	W	1	0	+		70	54	-
Jersey ...	30.41	67	W	2	bm		30.42	+0.01	58	56	-2	W	3	0	+		70	55	-
Hurst Castle ...	30.44	61	W	3	b		30.46	+0.02	61	58	-3	W	0	0	+		71	52	-
Dangeness ...	30.42	60	W	3	b		30.42	0.00	58	56	-2	W	3	0	+		64	56	-
London ...	30.42	68	W	2	c		30.47	+0.05	59	54	-5	W	2	0	+		75	56	-
Oxford ...	30.42	66	W	1	c		30.47	+0.05	62	59	-3	W	2	0	+		72	57	-
Cambridge ...	30.43	69	W	1	bc		30.47	+0.04	62	58	-4	W	1	0	+		77	51	-
Yarmouth ...	30.44	68	W	4	bc		30.45	+0.01	58	55	-3	W	3	0	+		65	54	-
Cuxhaven ...	30.31	52	W	2	0		30.27	-0.04	59	57	-2	W	4	0	+		60	52	-
Berlin ...	30.24	68	W	2	b		30.27	+0.03	57	54	-3	W	1	0	+		75	54	-
Wiesbaden ...	*	*	*	*	*		30.33	+0.09	63	55	-8	W	4	0	+		70	52	-
Munich ...	30.31	54	W	2	b		30.27	-0.04	58	54	-4	W	4	0	+		61	45	-
<b>FRANCE &amp; NETHERLANDS.</b>																			
The Helder ...	30.38	57	W	1	0		30.38	0.00	59	55	-4	W	3	0	+		59	55	-
Brussels ...	*	*	*	*	*		30.43	+0.05	56	54	-2	W	1	0	+		68	54	-
Cape Gris Nez ...	30.40	58	W	5	b		30.38	-0.02	56	54	-2	W	5	0	+		64	?	-
Paris ...	30.35	66	W	3	b		30.37	+0.02	56	54	-2	W	4	0	+		69	50	-
Brest ...	?	71	W	4	b		?	?	59	56	-3	W	4	0	+		82	55	-
Lorient ...	30.34	72	W	5	b		30.39	+0.05	59	56	-3	W	4	0	+		73	55	-
Rochefort ...	30.31	73	W	7	r		30.34	+0.03	60	57	-3	W	5	0	+		82	54	-
Belfort ...	30.23	68	W	4	c		30.16	-0.07	67	57	-10	W	5	0	+		81	52	-
Lyons ...	30.17	62	W	3	b		30.17	0.00	57	51	-6	W	4	0	+		68	52	-
Nice ...	29.91	57	W	3	b		29.98	+0.07	60	54	-6	W	1	0	+		77	52	0.28
Perpignan ...	30.04	77	W	7	bc		30.12	+0.08	67	55	-12	W	4	0	+		81	57	-
Biarritz ...	30.19	70	W	5	b		30.24	+0.05	60	55	-5	W	5	0	+		72	54	-
Corunna ...	*	*	*	*	*		30.15	-0.01	71	68	-3	W	7	0	+		73	63	-
Lisbon ...	29.98	78	W	7	b		30.00	+0.02	72	62	-10	W	5	0	+		90	68	-

For Explanation of Columns, see p. 4. † Received too late for insertion in Charts.



# WEATHER CHARTS

for 8 a.m. on Thursday, 30<sup>th</sup> June 1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

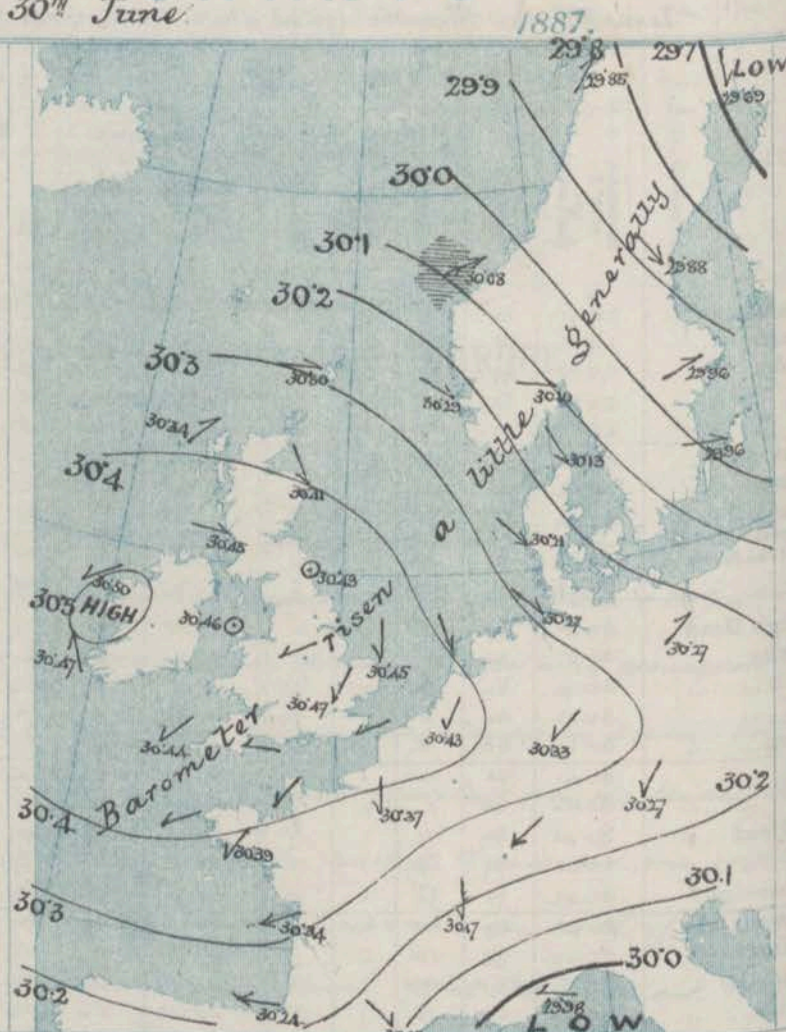
**Barometer** — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 → forces above 10; → forces 8 to 10;  
 → forces 5 to 7; → forces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

**Sea Disturbance** — where considerable is shown thus  
 [wavy line] = Rough. [cross-hatched] = High.

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of June.  
 During the 10 Years 1871 — 1880.

STATIONS.	MEAN READINGS.
	in.
Smaburgh Head	29.860
Stornoway	29.832
Wick	29.861
Nairn	29.868
Aberdeen	29.876
Leith	29.892
Shields	29.918
York	29.926
Ardrossan	29.895
Donaghadee	29.898
Holyhead	29.929
Liverpool	29.930
Valencia	29.929
Roche's Point	29.929
Pembroke	29.937
Scilly	29.971
Hurst Castle	29.969
Dover	29.902
LONDON	29.903
Oxford	29.953
Cambridge	29.960
Yarmouth	29.956



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

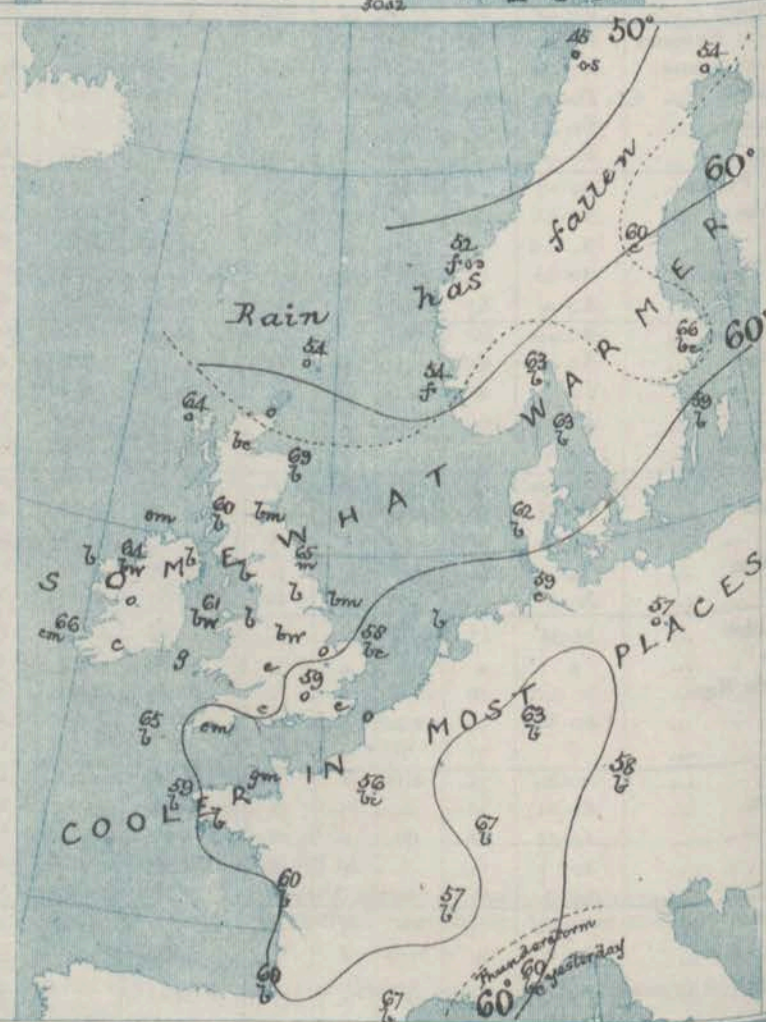
**Temperature** — Isotherms are drawn for each 10° changes since previous morning are stated in words.  
**Weather** — is shown by letters of the Beaufort Scale.  
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, 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.	Wet.	
Smaburgh Head	54.9	45.5	50.7	49.1	2.07
Stornoway	53.3	46.4	51.2	51.7	2.99
Wick	59.2	40.0	53.3	50.7	1.75
Nairn	62.7	48.4	54.8	50.8	1.88
Aberdeen	61.5	48.2	54.8	51.1	1.88
Leith	65.2	48.4	56.4	53.1	1.84
Shields	61.2	50.1	55.2	51.9	1.82
York	66.5	48.6	56.6	53.2	2.45
Ardrossan	63.1	50.6	55.6	52.1	2.62
Donaghadee	61.4	49.4	55.4	53.3	2.04
Holyhead	62.5	52.1	55.7	53.3	2.10
Liverpool	64.2	51.2	56.9	53.0	1.96
Valencia	62.0	51.3	56.9	53.9	3.42
Roche's Point	66.1	51.5	56.8	53.6	3.26
Pembroke	61.2	51.8	55.4	53.2	2.09
Scilly	61.5	53.4	57.2	55.3	1.94
Hurst Castle	64.1	52.7	58.1	55.9	2.07
Dover	63.8	53.5	59.1	55.5	1.72
LONDON	70.0	50.7	59.5	55.3	2.12
Oxford	67.8	49.1	57.2	53.9	2.28
Cambridge	69.4	49.0	58.1	54.9	2.40
Yarmouth	62.6	51.7	57.2	54.4	2.02

NOTE — The Temperature means are for the 10 years 1871 — 80, the rainfall means are mainly those for the 10 years 1866 — 85.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.4 ins: and more, over nearly the whole of the British Islands; 30.5 ins: in the west of Ireland.  
Lowest, 29.7 ins: in Lapland, 30.0 ins: and less, over the Gulf of Genoa and the south of Portugal.  
Gradients slight over the British Islands. Barometer steady.

## TEMPERATURE

Highest, 72° at Lisbon, 69° at Aberdeen, 67° at Belfast, 66° at Valencia and at Stockholm.  
Lowest, 43° at Bodø, 52° at Christiansund, 54° at Skudesnæs and Lumburg Head, 56° at Paris, 57° at Berlin and Lyons.  
It is rather higher over the British Islands than it was yesterday morning.

## WIND

Very light from NW. in Scotland, from N. in the east of England.  
NE. in the Channel and over France, SSE. in the south of Ireland.  
In Norway the wind is W. to SW.

## WEATHER

Bell in Scotland. Misty and gloomy in the east and south-east of England.  
Fine at our other stations and over France. Foggy in the west of Norway.  
[Rain has fallen in Scandinavia, the Netherlands and Caithness, — none over England and Ireland].

## SEA

Smooth except off the Norwegian coasts.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are still no indications of any decided change.

## FORECASTS

For the 24 hours ending at NOON on 1<sup>st</sup> July

1887.

### DISTRICTS.

### FORECASTS.

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

W<sup>2</sup> breezes, light; dull, perhaps some rain.  
NW<sup>2</sup> breezes, light; fine.  
D° D° D°  
D° D° D°  
N<sup>2</sup> airs; fine, warmer.  
NE<sup>2</sup> breezes, light or moderate; fair.

### DISTRICTS.

### FORECASTS.

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

Same as N° 0  
Very light and variable breezes; fine, warm.  
D° D° D°  
D° D° D°  
D° D° D°

### WARNINGS

NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.27	57	54	NW 6	bc	4	Holyhead ...	30.48	64	58	NW 1	b	1
Gumburgh Head ...	30.32	56	54	W 3	c	3	Valencia ...	30.49	70	63	NW 2	com.	2
Stornoway ...	30.36	68	65	W 3	bc	2	Scilly ...	30.44	65	59	NE 3	b	2
Aberdeen ...	30.44	65	59	S 2	o	1	Dungeness ...	30.43	64	59	E 4	b	3
Shields ...	30.45	62	57	E 1	o	2	London ...	30.42	71	63	E 1	c	*
Ardrossan ...	30.44	68	61	NW 4	b	3	Yarmouth ...	30.44	64	59	NNE 4	b	3
Main Head ...	30.49	62	62	NW 2	o	1	Jersey ...	30.41	67	60	SW 1	bc	1
Mullaghmore ...	30.52	63	58	NW 1	o	1	Rocheport ...	30.34	79	67	NE 5	bc	2
Belmullet ...	30.53	64	58	NNE 1	o	*							

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

Yesterday morning's reports showed that pressure varied from between 30.4 ins. and 30.5 in. over Ireland, and from 30.2 ins. and more over Russia, to rather below 29.9 ins. both over Northern Europe and the Gulf of Genoa. Strong W<sup>ly</sup> to S<sup>ly</sup> breezes and showery weather were experienced over Scandinavia and the Baltic, but N<sup>ly</sup> breezes and fair weather over the British Isles, and NE<sup>ly</sup> over the Channel, France and Spain. Temperature continued very low over France, Germany, and the North Sea, but was inclined to rise over Russia. It ranged from between 70° and 85° on the different shores of the Mediterranean, and from 60° and more over the United Kingdom and south of Sweden to less than 50° over Northern Europe. The highest individual values were 85° at Cagliari, 83° at Biskia (Algeria) 78° at Oporto, 77° at Brindisi, Lisbon and Palermo, 75° at Malta, 72° at Naples, Livorno, and Tripoli, 67° at Aberdeen, 64° at Stockholm; the lowest 43° at Archangel, 43° at Rode, 51° at Christianmünd, 54° at Skudermoes and in Paris, 55° at Yano and the Helder, and 56° at Lyons.

During the day there was no change of importance observed except that temperature was less high in Ireland than of late.

### 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 1887.

## 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.	BAROMETR.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
				Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.			
1	Hlsby.....	29.97	45	WNW	4	c	30.02	+0.02	50	48	+7	WNW	4	bc	2	61	39	-		
-	Perpignan...	29.97	61	NE	3	0	29.97	-1.1	59	-	-	E.NE	1	0	2	68	53	-		
6	Corunna...	*	*	*	*	*	30.29	+0.01	70	67	+1	NE	1	bc	2	72	55	-		
7	Corunna...	*	*	*	*	*	30.23	-0.06	72	68	+2	NE	1	b	1	73	57	-		
8	Pembroke...	29.98	53	SW	4	f	29.99	+0.04	53	53	0	SSW	4	fd	4	54	50	0.06		
-	Corunna...	*	*	*	*	*	30.16	-0.07	70	68	-2	N	1	b	1	73	57	-		
9	Corunna...	*	*	*	*	*	30.17	+0.01	71	68	+1	NE	1	b	2	77	55	-		
10	Corunna...	*	*	*	*	*	30.21	+0.04	73	72	+2	N	3	b	1	81	61	-		
11	Mullaghmore	-	-	-	-	-	30.32	-1.0	57	54	+3	SSW	5	og	3	63	53	-		
-	Liverpool...	30.45	58	WNW	2	b	30.32	-0.08	62	54	+7	SSE	1	bc	2	63	49	-		
-	Lyons.....	30.18	71	N	3	b	30.23	-0.02	57	-	-7	N	7	b	2	76	54	-		
12	Brussels....	*	*	*	*	*	30.18	-2.9	?	-	?	WSW	1	0	2	68	52	-		
13	Corunna....	*	*	*	*	*	30.05	-0.07	79	76	+7	NE	1	b	2	82	57	-		
14	Rochefort...	30.10	86	E.NE	4	b	30.17	-0.01	64	61	-2	ESE	4	b	2	?	57	-		
-	Corunna....	*	*	*	*	*	30.18	+0.13	77	73	-2	WNW	1	b	1	84	63	?		
-	Androssan 2pm	-	-	-	-	-	29.95	-	55	55	-	SSW	4	0	3	-	-	-		
-	Malin HA 2pm	-	-	-	-	-	29.91	-	56	56	-	WSW	3	0	3	-	-	-		
-	Jersey 2pm...	-	-	-	-	-	30.20	-	70	59	-	WNW	1	b	1	-	-	-		
15	Corunna....	*	*	*	*	*	30.26	+0.08	60	60	-17	N	1	f	2	79	54	-		
16	Corunna....	*	*	*	*	*	30.14	-1.2	68	66	+8	NE	1	f	2	70	57	-		
17	Belfast.....	30.17	77	E	4	b	30.20	-0.05	67	59	-3	NE	5	b	2	79	59	-		
-	Corunna....	*	*	*	*	*	30.06	-0.08	81	77	+13	SW	1	b	1	82	64	-		
18	Corunna....	*	*	*	*	*	29.93	-1.3	87	77	+6	NE	1	b	1	91	66	-		
19	Brussels....	*	*	*	*	*	30.21	-1.0	64	-	+3	E.NE	3	bc	2	78	54	-		
-	Lyons.....	29.95	77	N	3	b	30.05	+0.01	63	-	+2	WNW	1	b	2	79	55	-		
-	Biarritz...	29.89	78	W	1	b	29.97	+0.03	71	-	-2	W	5	bc	1	81	54	-		
20	Corunna....	*	*	*	*	*	30.15	+0.14	71	67	-2	S	4	c	2	81	59	0.32		
21	Belfast.....	30.08	75	E	1	b	30.13	+0.01	59	51	-9	E	3	bc	2	85	51	-		
-	Corunna....	*	*	*	*	*	30.10	-0.05	71	65	0	N	1	b	1	75	63	-		
22	Pembroke...	30.35	65	N.NE	3	b	30.32	-0.00	62	57	+6	NE	3	bc	2	65	55	-		
-	Corunna....	*	*	*	*	*	30.04	-0.06	73	68	+2	NE	1	b	1	82	61	-		
23	Pembroke...	30.28	60	WSW	1	bc	30.27	-0.05	64	57	+2	ESE	1	bc	1	68	57	-		
-	Corunna....	*	*	*	*	*	29.95	-0.09	70	69	-3	NE	1	0	1	84	63	-		
24	Pembroke...	30.28	70	NE	3	b	30.24	-0.03	60	57	-4	SE	4	m	3	77	54	-		
-	Corunna....	*	*	*	*	*	30.02	+0.07	71	65	+1	NE	1	0	2	79	61	-		
25	Corunna....	*	*	*	*	*	30.12	+0.20	66	63	-5	W	4	c	2	72	59	0.95		
27	Orient.....	30.19	67	N.NE	3	b	30.24	+0.06	55	-	-2	NE	4	0	1	81	54	-		
28	Corunna....	*	*	*	*	*	30.34	-0.00	64	63	0	N.NE	5	b	3	70	59	-		
29	Corunna....	*	*	*	*	*	30.26	-0.08	66	62	+2	N.NE	7	f	4	70	63	-		



**SUMMARY of the METEOROLOGICAL OBSERVATIONS made at TELEGRAPHIC REPORTING**  
 Observations are made at 8 a.m. daily, but the numbers of days of Rain, Snow, Hail,  
 (The Stations are grouped in Districts, and then arranged in order of

Names of Districts.	Names of Stations.	Mean height of Barometer (at 32° Fahrenheit and Mean Sea Level) from observations made at 8 a.m.	Air Temperature.								Tension of Vapour
			At 8 a.m.	Means of			Absolute Extremes.				
				Minima	Maxima	Min. and Max. combined	Minimum	Date	Maximum	Date	
		ins.	°	°	°	°	°		°		ins.
0. SCOTLAND, N.	{ Sumburgh Head ...	30.089	50.7	45.7	54.9	50.3	39	4 <sup>th</sup> 14 <sup>th</sup> 20 <sup>th</sup> 22 <sup>nd</sup> 1 <sup>st</sup>	62	18 <sup>th</sup>	0.331
	{ Wick ...	30.135	55.6	46.3	62.6	54.5	40		77	30 <sup>th</sup>	0.372
	{ Stornoway ...	30.101	55.6	47.9	61.3	54.6	39		70	26 <sup>th</sup>	0.399
1. SCOTLAND, E.	{ Nairn ...	30.150	56.9	48.5	67.0	57.8	37	3 <sup>rd</sup>	82	18 <sup>th</sup>	0.362
	{ Aberdeen ...	30.154	58.9	48.4	66.4	57.4	41	4 <sup>th</sup>	80	18 <sup>th</sup>	0.353
	{ Leith ...	30.181	58.2	49.5	66.8	58.2	39	1 <sup>st</sup>	86	18 <sup>th</sup>	0.362
2. ENGLAND, N.E.	{ Shields ...	30.189	56.2	49.7	63.1	56.4	42	1 <sup>st</sup>	72	13 <sup>th</sup> 17 <sup>th</sup> 18 <sup>th</sup> 21 <sup>st</sup>	0.360
	{ York ...	30.206	58.4	49.5	71.4	60.5	39	1 <sup>st</sup>	84	27 <sup>th</sup>	0.372
	{ Spurn Head ...	30.195	56.5	51.0	62.2	56.6	45	2 <sup>nd</sup>	74	15 <sup>th</sup>	0.379
3. ENGLAND, E.	{ Yarmouth ...	30.188	58.1	51.3	63.8	57.6	44	11 <sup>th</sup>	72	13 <sup>th</sup>	0.392
	{ Cambridge ...	30.205	59.9	48.1	72.2	60.2	36	27 <sup>th</sup>	85	15 <sup>th</sup>	0.393
4. MIDLAND COUNTIES.	{ Loughborough ...	30.215	59.5	49.5	73.1	61.3	39	1 <sup>st</sup>	84	19 <sup>th</sup>	0.380
	{ Oxford ...	30.216	57.5	50.3	69.4	59.9	43	21 <sup>st</sup>	82	15 <sup>th</sup>	0.380
5. ENGLAND, S.	{ London ...	30.206	59.2	51.2	72.0	61.6	43	27 <sup>th</sup>	84	15 <sup>th</sup>	0.373
	{ Dungeness ...	30.174	57.1	51.3	62.5	56.9	41	11 <sup>th</sup>	74	15 <sup>th</sup>	0.387
	{ Hurst Castle ...	30.200	58.5	51.2	66.1	58.7	45	11 <sup>th</sup>	78	16 <sup>th</sup>	0.417
6. SCOTLAND, W.	Ardrossan ...	30.183	57.6	49.8	65.2	57.5	44	3 <sup>rd</sup> 6 <sup>th</sup> 7 <sup>th</sup> 14 <sup>th</sup>	87	24 <sup>th</sup>	0.371
7. ENGLAND, N.W.	{ *Hawes Junction ...	18.967	55.2	47.0	65.2	56.1	36	1 <sup>st</sup>	78	18 <sup>th</sup>	0.357
	{ Barrow-in-Furness ...	30.202	57.5	53.3	65.2	59.3	44	1 <sup>st</sup>	77	18 <sup>th</sup>	0.377
	{ Liverpool Obs <sup>y</sup> (Bidston)	30.206	60.3	53.2	68.8	61.0	43	1 <sup>st</sup>	87	18 <sup>th</sup>	0.356
	{ Holyhead ...	30.205	58.7	51.9	63.0	57.5	48	1 <sup>st</sup> 7 <sup>th</sup> 14 <sup>th</sup>	71	17 <sup>th</sup> 22 <sup>nd</sup> 23 <sup>rd</sup>	0.395
8. ENGLAND, S.W.	{ Pembroke ...	30.200	57.1	52.8	63.9	58.4	46	4 <sup>th</sup>	77	16 <sup>th</sup> 23 <sup>rd</sup>	0.407
	{ Prawle Point ...	30.205	59.4	54.4	65.0	59.1	50	5 <sup>th</sup>	79	16 <sup>th</sup>	0.386
9. IRELAND, N.	{ Malin Head ...	30.158	56.2	52.8	62.0	57.4	45	5 <sup>th</sup>	75	17 <sup>th</sup>	0.391
	{ Donaghadee ...	30.202	57.5	52.2	65.4	58.8	46	15 <sup>th</sup>	77	24 <sup>th</sup>	0.391
	{ Mullaghmore ...	30.176	59.9	53.3	67.7	60.5	48	10 <sup>th</sup>	81	17 <sup>th</sup>	0.402
	{ Belmullet ...	30.178	60.5	53.5	66.9	60.2	48	10 <sup>th</sup> 30 <sup>th</sup>	82	18 <sup>th</sup>	0.406
10. IRELAND, S.	{ Parsonstown ...	30.202	61.2	50.2	72.3	61.3	41	3 <sup>rd</sup> 4 <sup>th</sup>	83	26 <sup>th</sup>	0.405
	{ Valencia ...	30.182	62.8	53.4	68.4	60.9	48	10 <sup>th</sup> 15 <sup>th</sup>	87	19 <sup>th</sup>	0.435
	{ Roche's Point ...	30.195	60.8	53.5	66.7	60.1	48	3 <sup>rd</sup> 4 <sup>th</sup> 11 <sup>th</sup> 14 <sup>th</sup>	80	27 <sup>th</sup>	0.422
CHANNEL ISLANDS.	{ Scilly (St. Mary's) ..	30.180	60.6	54.0	64.7	59.4	45	25 <sup>th</sup>	73	16 <sup>th</sup>	0.430
	{ Jersey (Noirmont) ...	30.180	60.6	53.4	67.5	60.5	47	12 <sup>th</sup> 73 <sup>rd</sup>	80	15 <sup>th</sup>	0.393
* Hawes Junction is 1135 feet above mean Sea Level and the											

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



STATIONS in the BRITISH ISLANDS during the Month of JUNE 1887.  
 Thunderstorms and Gales are counted irrespective of the hours at which they occurred.  
 Latitude, beginning in each case with the Station lying furthest North.)

Relative Humidity	Amount of Cloud	Rainfall.			Weather No. of Days of							Wind No. of Observation of								
		Total Fall in the month	Maximum Fall in one day	Date	Rain	Snow	Hail	Thunderstorms	Clear Sky	Overcast	Gales	North	N.E.	East	S.E.	South	S.W.	West	N.W.	Calms
		ins.	in.																	
89	8.1	1.52	0.40	7 <sup>th</sup>	14	0	0	0	3	19	0	3	3	2	0	0	2	8	7	5
84	6.7	1.27	0.25	8 <sup>th</sup>	15	0	0	0	7	17	1	6	2	0	4	6	2	1	9	0
90	6.6	1.51	0.25	7 <sup>th</sup>	11	0	0	0	6	13	0	0	2	4	2	1	7	5	3	6
78	5.6	0.37	0.23	13 <sup>th</sup>	6	0	0	1	8	8	0	3	2	3	0	1	2	11	2	6
72	5.0	0.66	0.26	13 <sup>th</sup>	10	0	0	0	10	9	1	4	5	1	2	5	4	3	5	1
75	5.8	0.28	0.22	4 <sup>th</sup>	5	0	0	0	9	8	0	2	4	5	1	0	1	12	2	3
79	7.7	0.24	0.13	3 <sup>rd</sup>	3	0	0	0	4	17	1	8	5	2	0	2	7	5	1	0
76	3.9	0.16	0.05	1 <sup>st</sup> 3 <sup>rd</sup> 11 <sup>th</sup>	4	0	0	0	13	7	0	10	0	2	0	6	0	8	3	1
83	4.4	0.10	0.06	3 <sup>rd</sup>	4	0	0	0	11	5	0	9	4	0	3	2	1	6	1	4
80	3.5	0.25	0.11	2 <sup>nd</sup>	4	0	0	1	15	3	0	10	6	1	0	0	2	5	3	3
77	5.4	0.61	0.25	1 <sup>st</sup>	4	0	0	1	12	12	0	14	4	1	0	1	8	2	0	0
74	6.6	1.22	0.56	3 <sup>rd</sup>	4	0	0	0	4	12	0	3	6	5	0	0	2	7	4	3
80	5.8	1.75	1.00	2 <sup>nd</sup>	3	0	0	0	9	12	0	4	11	2	0	0	6	4	2	1
74	5.8	1.18	0.59	3 <sup>rd</sup>	3	0	0	0	12	13	0	6	6	4	1	1	3	8	1	0
82	5.9	0.56	0.31	2 <sup>nd</sup>	2	0	0	0	5	9	0	2	10	7	0	0	0	9	0	2
85	4.5	0.71	0.70	2 <sup>nd</sup>	2	0	0	0	13	3	0	1	10	5	0	0	6	3	2	3
78	6.2	0.78	0.16	7 <sup>th</sup>	10	0	0	0	10	17	0	3	6	1	3	3	4	3	3	4
82	5.0	0.34	0.10	7 <sup>th</sup>	5	0	0	0	15	13	0	6	6	3	4	5	2	2	0	2
80	4.5	0.51	0.40	3 <sup>rd</sup>	6	0	0	1	13	8	0	1	12	1	0	2	6	3	5	0
68	4.8	1.41	0.94	3 <sup>rd</sup>	5	0	0	0	14	9	0	2	1	6	6	1	4	3	3	0
79	3.9	1.06	0.79	8 <sup>th</sup>	4	0	0	0	13	5	0	2	4	3	0	5	5	0	4	7
86	5.5	0.21	0.07	2 <sup>nd</sup>	4	0	0	0	7	7	0	1	4	4	6	5	3	3	3	1
76	4.3	0.51	0.35	2 <sup>nd</sup>	7	0	0	0	16	8	1	0	10	8	1	2	4	5	0	0
87	10.0	1.28	0.42	13 <sup>th</sup>	10	0	0	0	0	30	0	1	1	7	3	4	3	6	3	2
83	5.2	0.60	0.43	3 <sup>rd</sup>	5	0	0	0	11	8	0	2	11	6	0	3	3	5	0	0
78	4.4	0.27	0.12	6 <sup>th</sup>	6	0	0	0	14	6	1	2	4	7	1	5	3	3	3	2
78	4.9	0.91	0.35	6 <sup>th</sup>	7	0	0	1	14	11	1	2	2	10	1	3	9	2	1	0
76	4.9	0.33	0.10	1 <sup>st</sup> 7 <sup>th</sup>	4	0	0	0	12	11	0	0	3	0	2	1	6	0	0	18
76	4.8	1.36	0.41	5 <sup>th</sup>	7	0	0	0	13	9	1	2	4	3	5	5	2	2	0	7
80	3.8	0.55	0.28	1 <sup>st</sup>	5	0	0	0	17	6	0	6	0	6	5	4	3	2	2	2
82	5.4	0.07	0.03	3 <sup>rd</sup>	4	0	0	1	9	10	0	2	5	9	4	2	4	2	1	1
75	5.0	0.94	0.46	2 <sup>nd</sup>	5	0	0	1	13	10	0	1	11	6	2	1	2	3	3	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.	
				Dirac.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)			Max.	Min.		
2	Leith.....	-	57	-	-	-	-	-	-	-	-	-	-	-	-	61	-	-	
-	Cambridge..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.25	
3	Barrow-in-Fur.	29.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4	Hurst Castle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain	
5	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	-	-	
6	Mullaghmore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	-	
8	Mullaghmore	-	-	-	-	-	-	-	57	-	+ 1	-	-	-	-	-	-	-	
-	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10	
9	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.08	
13	Sumburgh Hd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-	-	
-	Aberdeen...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67	-	-	
-	Pembroke...	-	-	W3W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	Jersey 2pm	-	-	-	-	-	30.20	-	-	-	-	-	-	-	-	-	-	-	
15	Nairn.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	
-	Ardrossan...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	-	-	
-	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-	
16	Mullaghmore 2pm	-	-	-	-	-	-	-	-	-	-	W4	-	-	-	-	-	-	
17	York.....	-	-	-	-	-	-	-	-	59	-	-	-	-	-	-	-	-	
-	Valencia...	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	
23	Jersey.....	30.21	-	-	W	-	-	-	-	-	-	-	-	-	-	-	-	-	
25	Cambridge...	30.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27	Pembroke...	-	-	-	-	-	30.19	-0.06	-	-	-	-	-	-	-	-	-	-	
-	Scilly.....	-	-	-	-	-	30.26	+0.03	-	-	-	-	-	-	-	-	-	-	
-	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	-	
28	Barrow-in-Fur	30.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	Parsonstown	-	-	-	-	-	-	-	58	55	- 5	-	-	-	-	-	-	-	
29	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-	
30	Pembroke...	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	