

METEOROLOGICAL OFFICE

✓  
LONDON.

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DAILY WEATHER REPORTS.

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1<sup>ST</sup> JULY—31<sup>ST</sup> DECEMBER.

1887.



July to December 1887.

*Map Showing Stations*





# DAILY WEATHER REPORT.

for *Monday 1<sup>st</sup> August 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.		Difference from 8 a.m. yesterday.	WIND.		Weather.	Sun. (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.		Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	30.00	60	Z	0	c	29.95	00	60	59	- 7	Z	0	r	*	73	52	0.24	
Hernösand ..	29.99	62	S	2	r	29.83	- 18	62	60	- 3	Z	0	o	*	75	54	0.16	
Stockholm ..	30.01	69	SE	2	o	29.84	- 26	70	63	+ 1	NE	2	o	*	82	63	-	
Wisby ..																		
Bodö ..	30.01	55	WSW	3	b	29.97	00	53	49	- 1	WSW	2	b	1	55	46	-	
Christiansund ..	30.02	55	WNW	2	c	29.99	- 03	54	51	- 6	W	1	o	1	59	46	-	
Skudesnaes ..	29.99	56	NW	4	c	29.98	- 05	57	50	- 2	NW	8	o	4	64	55	-	
Christiania Fjord (Fæder) ..	29.94	61	WSW	2	b	29.82	- 19	62	59	- 2	SSW	2	b	1	64	57	0.12	
Skagen (The Scaw) ..	29.94	58	NW	1	o	29.86	- 11	59	55	- 4	W	4	b	3	64	54	0.59	
Fanö ..	29.99	56	NNW	4	c	29.98	+ 01	63	57	+ 6	NW	4	c	*	68	54	0.08	
BRITISH ISLANDS.																		
Sumburgh Head ..	30.04	58	W	1	b	30.04	+ 04	55	53	0	WSW	2	c	1	60	49	-	
Stornoway ..	30.06	55	Z	0	b	30.13	+ 13	55	54	0	SW	2	op	2	60	43	0.48	
Wick ..	30.08	60	SE	1	b	30.12	+ 07	60	55	0	NW	2	c	0	65	40	-	
Nairn ..	30.05	60	E	2	c	30.15	+ 10	58	55	+ 5	WNW	2	b	1	67	47	-	
Aberdeen ..	30.09	57	SE	1	c	30.16	+ 10	56	53	0	WNW	2	b	0	64	46	-	
Leith ..	30.08	58	SW	1	o	30.18	+ 12	59	57	+ 2	SW	1	bm	*	64	50	0.08	
Shields ..	30.07	57	NW	1	r	30.18	+ 12	56	54	- 5	W	2	b	2	67	47	-	
Spurn Head ..	30.06	60	NNE	3	b	30.20	+ 16	58	56	- 3	NNW	3	bm	2	63	53	0.01	
York ..	30.07	63	E	1	c	30.22	+ 16	55	54	- 2	NNW	1	b	*	65	44	0.28	
Loughborough ..	30.06	66	Z	0	c	30.25	+ 17	61	56	+ 4	WNW	3	bm	*	73	45	-	
Ardrossan ..	30.07	60	Z	0	o	30.22	+ 17	60	55	+ 1	WNW	2	b	1	61	50	-	
Malin Head ..	30.06	60	WNW	2	c	30.21	+ 20	57	55	- 1	W	2	cp	1	62	52	0.12	
Mullaghmore ..	30.11	60	WNW	3	b	30.26	+ 21	58	54	+ 1	SW	3	b	2	62	50	-	
Belmullet ..	30.14	60	NW	1	b	30.29	+ 19	58	56	+ 1	S	1	b	*	61	47	-	
Donaghadee ..	30.09	58	W	1	c	30.25	+ 18	58	55	+ 4	WNW	3	b	1	62	49	0.11	
Barrow-in-Furness ..	30.08	63	SW	2	b	30.21	+ 15	57	57	+ 1	NW	2	b	*	65	54	-	
Liverpool (Bidston) ..	30.09	60	WNW	1	b	30.26	+ 19	58	54	- 1	W	3	b	3	67	51	-	
Holyhead ..	30.10	61	WSW	1	b	30.27	+ 20	62	58	+ 4	WNW	3	bm	1	66	52	-	
Parsonstown ..	30.18	62	WSW	1	b	30.30	+ 22	58	54	+ 1	Z	0	b	*	65	44	-	
Valencia ..	30.17	64	W	3	b	30.32	+ 22	61	58	+ 1	Z	0	com	1	65	50	-	
Roche's Point ..	30.15	61	SSW	2	b	30.31	+ 24	58	55	+ 2	Z	0	b	0	66	50	0.07	
Pembroke ..	30.13	61	W	2	b	30.29	+ 20	59	58	- 1	NNW	1	bm	1	64	54	0.04	
Seilly ..	30.16	64	WNW	3	b	30.29	+ 18	63	60	- 3	WNW	1	b	2	68	57	-	
Prawle Point ..	30.17	62	WSW	5	b	30.20	+ 18	60	56	+ 1	WSW	2	b	2	65	50	-	
Jersey ..	30.18	65	WNW	3	b	30.27	+ 18	63	58	- 1	NNW	2	bm	2	66	53	-	
Hurst Castle ..	30.11	66	W	5	b	30.29	+ 24	63	59	+ 1	WNW	1	b	2	73	50	-	
Dungeness ..	30.01	65	W	5	c	30.21	+ 21	56	54	- 7	NW	2	c	1	68	49	-	
London ..	30.24	70	NNW	1	b	30.23	+ 21	60	55	- 4	NNW	1	bm	*	75	47	-	
Oxford ..	30.13	62	NW	3	b	30.28	+ 23	59	55	+ 1	W	1	b	*	71	47	-	
Cambridge ..	30.11	66	N	1	b	30.25	+ 22	62	56	+ 1	NW	1	b	*	76	45	0.01	
Yarmouth ..	30.04	63	E	2	c	30.21	+ 19	61	57	- 1	WNW	2	b	2	67	53	0.55	
Cuxhaven ..	29.99	59	NE	6	c	30.09	+ 09	61	57	- 5	NNW	3	b	*	67	58	0.74	
Berlin ..	29.98	52	Z	6	c	30.06	+ 08	69	65	- 7	W	5	o	*	93	66	-	
Wiesbaden ..						30.19	+ 19	69	59	- 5	W	3	b	*	86	64	-	
Munich ..	30.14	68	SW	1	b	30.25	+ 16	68	64	- 4	NW	3	r	*	84	61	0.57	
FRANCE & NETHERLANDS.																		
The Helder ..	30.03	60	NE	3	o	30.16		60	55		NNE	1	b	?	64	59	1.10	
Brussels ..						30.21	+ 22	57	56	- 7	SW	1	m	*	72	54	0.04	
Cape Gris Nez ..	30.05	64	WNW	5	c	30.22	+ 21	61	59	- 1	W	4	b	2	72	57	-	
Paris ..	30.12	70	WNW	3	b	30.27	+ 23	57	54	- 2	Z	0	b	*	77	49	0.12	
Brest ..	30.20	64	NNW	4	b	30.28	+ 13	58	56	0	N	1	o	2	75	52	-	
Lorient ..	30.16	66	NW	5	b	30.28	+ 17	56	54	- 3	NE	3	c	2	68	54	-	
Rochefort ..	30.15	68	NW	5	o	30.23	+ 2	62	59	- 3	ENE	7	b	2	73	57	-	
Belfort ..	30.13	83	S	1	b	30.21	+ 10	70	66	+ 1	SW	1	o	*	86	60	-	
Lyons ..	30.06	73	NNW	1	c	30.19	+ 10	68	62	- 3	N	1	c	*	87	66	-	
Nice ..	30.01	81	Z	0	b	30.04	+ 05	84	69	+ 7	E	1	b	0	90	72	-	
Perpignan ..	30.24	79	NE	3	b	30.11	+ 07	73	71	- 3	Z	0	o	*	86	?	-	
Biarritz ..	30.13	72	N	4	o	30.14	+ 06	72	68	+ 3	NW	4	b	2	73	?	-	
PENINSULA.																		
Corunna ..																		
Lisbon ..																		

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



# WEATHER CHARTS

for 8 a.m. on

Monday 1<sup>st</sup> August

1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

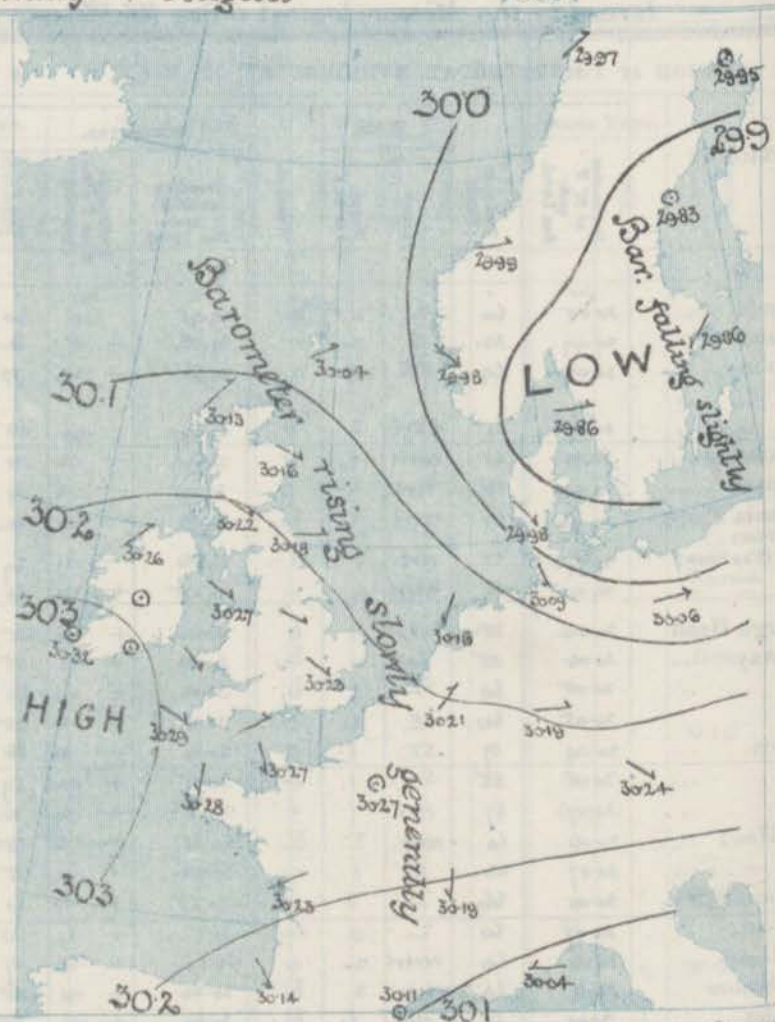
**Barometer** — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus —  
 — force above 10; — force 8 to 10;  
 — force 5 to 7; — force 1 to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

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

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.806
Stornoway	29.800
Wick	29.822
Nairn	29.829
Aberdeen	29.835
Leith	29.852
Shields	29.876
York	29.905
Ardrossan	29.855
Donaghadee	29.868
Holyhead	29.893
Liverpool	29.898
Valencia	29.908
Roche's Point	29.908
Pembroke	29.910
Scilly	29.951
Hurst Castle	29.949
Dover	29.945
LONDON	29.913
Oxford	29.929
Cambridge	29.929
Yarmouth	29.928



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

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

**Weather** — is shown by Letters of the Beaufort Scale.

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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	AT 8 A.M.		
			Day	Night	
Sumburgh Head	58.3	48.8	54.1	52.4	2.21
Stornoway	58.5	49.2	55.8	52.9	3.57
Wick	61.3	48.7	55.6	53.6	2.35
Nairn	60.6	50.0	56.0	53.1	2.81
Aberdeen	63.0	50.7	56.5	53.9	3.13
Leith	66.3	52.2	58.1	55.2	2.62
Shields	63.7	53.2	58.0	55.3	2.81
York	69.2	51.8	58.7	56.0	2.47
Ardrossan	62.7	54.0	57.8	55.0	4.08
Donaghadee	61.3	52.6	57.3	55.9	2.99
Holyhead	65.2	55.7	58.9	56.9	2.89
Liverpool	66.3	54.7	59.2	56.1	2.79
Valencia	65.4	54.7	59.8	57.1	4.65
Roche's Point	67.5	54.7	59.4	56.8	3.59
Pembroke	64.4	56.4	59.4	57.1	2.21
Scilly	65.4	57.8	61.3	59.3	2.45
Hurst Castle	67.9	58.8	61.7	59.8	2.31
Dover	67.3	58.2	63.3	59.6	2.06
LONDON	72.3	54.2	61.9	58.5	2.20
Oxford	69.6	53.9	60.8	57.3	2.33
Cambridge	71.6	52.8	60.7	57.9	2.25
Yarmouth	68.9	55.7	61.4	58.5	2.17

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 ins: and more, over the south of Ireland and off our southwest coast generally. Lowest, 29.85 ins: and less, over the Baltic and southern half of Sweden. Gradient are very slight over and near the United Kingdom, moderate over the E. shores of the North Sea. Barometer rising generally.
TEMPERATURE	Highest, 81° at Ayr, 73° at Loughneagh, 72° at Rosneath, 70° at Stockholm, 63° at Hurst Castle and 61° at Valence. Lowest, 53° at Bodø, 55° at Sundby Head and Stornoway, 58° at Spurn H. and 59° at Pembroke. It is rather low in our Islands for the time of year, but high in the southern parts of France.
WIND	Very light from SW. in the Shetlands, the Hebrides, and the northwestern parts of Ireland. W to NW in most other places — NE in the west of France. It blows strongly at Rochefort and a fresh gale at Stadenæs — but these winds are purely local.
WEATHER	Showery at Haparanda, Stornoway and Malin Head — fine and dry elsewhere. Thunderstorms occurred very generally in the northeast land east yesterday, and much lightning at our inland stations. The rainfall over the eastern shores of the North Sea has been heavy.
SEA	Smooth except at Stadenæs and Laro.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the present distribution of pressure over our Islands is anticyclonic, and the gradients being very slight, and the barometer rising generally it is probable that fine weather will continue during the coming 24 hours; temperature, however, will probably be low over England in the night.

## FORECASTS

For the 24 hours ending at NOON on 2<sup>nd</sup> August 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW <sup>ly</sup> winds, moderate, fair, but showery later.	6 SCOTLAND WEST	NW <sup>ly</sup> to SW <sup>ly</sup> winds, light, fine.
1 SCOTLAND EAST	NW <sup>ly</sup> and varying breezes, light, fine.	7 ENGLAND N. W.	----- D° ----- D°
2 ENGLAND N. E.	----- D° ----- D°	8 ENGLAND S. W.	Same as N° 5.
3 ENGLAND EAST	Same as N° 5.	9 IRELAND NORTH	S <sup>ly</sup> breezes, light to fresh, fine in the east, showery in the west.
4 MIDLAND COUNTIES	Same as N° 5.	10 IRELAND SOUTH	----- D° ----- D°
5 ENGLAND SOUTH	NW <sup>ly</sup> airs, varying at some stations; fine, cool at night.	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.	Sen.		Bar.	Dry.	Wet.	Wind.	Wen.	Sen.
Skudeanaes ...	30.00	65	58	WNW 2	c	2	Holyhead ...	30.08	65	60	NNE 1	bc	1
Sumburgh Head							Valencia ...						
Stornoway ...	30.04	57	56	SW 2	c	2	Scilly ...						
Aberdeen ...							Dungeness ...	30.01	67	63	W 4	c	2
Shields ...							London ...						*
Ardrossan ...							Yarmouth ...						
Main Head ...	30.04	58	55	NW 1	o	0	Jersey ...	30.16	65	57	WNW 3	b	3
Mullaghmore ...							Rochefort ...	30.15	70	66	NW 5	c	2
Belmullet ...	30.10	61	54	WNW 2	bc	*							

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

The Continental reports for yesterday morning showed that pressure over Europe was exceedingly uniform. Areas of high readings (30.1 ins and upwards) were situated respectively over the Baltic provinces and over the Bay of Biscay, while a large system of relatively low pressure (30.0 ins and less) lay over Denmark and North Germany, and a small shallow depression with similar readings over the Netherlands. In the neighbourhood of these low-pressure areas a slight cyclonic circulation of wind was observed, and the weather was dull and unsettled but elsewhere very variable breezes and fair weather were reported. Temperature had risen slightly over Germany, Austria and Russia, but fallen elsewhere, and readings ranged from 75° and upwards over Southern Europe to 55° or less at some of our northern and north-western stations. The highest individual readings were 84° at Biskra, 83° at Barcelona, 82° at Livourne and 81° at Cap Bearn, Croisette, Brindisi and Cagliari; the lowest were 53° at Naim, 54° at Rods and Donaghadee, 55° at Sumburgh Head and Stornoway, and 56° at Aberdeen and Barrow-in-Furness.

In the course of the day the high-pressure system extended north-eastwards and moderate NW breezes set in at all our western and southern stations. In the east of England, however, variable airs continued, with thunderstorms at night and heavy local rains.

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

FROM THE 24<sup>TH</sup> TO THE 30<sup>TH</sup> JULY 1887.

The weather of the past week has been rough and unsettled, but in the eastern and southern parts of the Kingdom the amounts of rainfall have been, as a whole, very small.

The distribution of pressure has been cyclonic throughout, but the type of gradient has varied somewhat. At the commencement of the week large areas of high-pressure were situated over Germany, France and Spain, and large depressions were moving along our extreme northern coasts, while shallow secondary disturbances were observed in the intermediate districts. Moderate W breezes were therefore reported generally, with showers in all parts of the Kingdom.

After the 25<sup>th</sup>, however, a fall of the barometer took place over Spain and the Bay of Biscay and the type of pressure became south-westerly. Several large depressions now skirted our extreme western and northern coasts in a north-easterly direction, the most important being those of the 25<sup>th</sup> and 28<sup>th</sup>, each of which occasioned S. gales on the west coast of Ireland and Scotland, with strong and squally winds from S or SW in most other parts of the Kingdom. The depression of the 26<sup>th</sup> was particularly attended by heavy rain at many of our western stations, and slight amounts in the east, but in the second case the rainfall was neither so heavy nor so general.

As the depression of the 28<sup>th</sup> passed away the barometer rose generally, the wind moderated and veered to W and the weather improved. On the 29<sup>th</sup>, however, a small shallow depression passed over the English Channel and moved eastwards, occasioning heavy thunderstorms at some of the French stations.

The temperature of the week has been somewhat lower than of late. Over England the thermometer has seldom reached 80° while in Ireland and Scotland, the maximum readings have usually been below 70°.

## EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Tuesday 2<sup>nd</sup> August 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 5 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 15.)		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 15.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ..	29.71	61	Z	0	r	29.55	- .16	64	64	+ .14	SE	2	0	*	64	55	0.63		
Hernösand ...	29.70	60	Z	0	c	29.58	- .12	57	53	- .05	W	2	0	*	68	57	0.20		
Stockholm ...	29.68	64	SSW	2	c	29.84	+ .16	51	50	- .19	W	9	0	*	79	?	-		
Wisby ...	29.92	65	W	6	b	30.03	+ .11	60	54	- .08	W	6	0	*	79	?	-		
Bodö ...	29.88	53	N	2	o	29.71	- .17	32	49	- .17	NNE	4	0	2	55	50	-		
Christiansund...	29.93	52	WNW	3	c	29.90	- .03	52	49	- .02	WNW	3	r	2	55	46	0.12		
Skudeanaes ...	30.04	55	WNW	4	c	30.01	+ .03	56	52	- .04	W	2	0	3	57	55	-		
Christiania Fjord (Fjerdar)	29.82	59	WNW	3	o	29.97	+ .15	58	50	- .04	W	5	0	4	64	57	-		
Skagen (The Sound)	29.90	57	W	6	b	30.05	+ .15	58	54	- .01	NW	5	0	3	63	54	-		
Faenø ...	30.12	56	NW	4	c	30.13	+ .01	62	57	- .05	W	4	c	*	63	54	0.12		
BRITISH ISLANDS.																			
Sumburgh Head	30.02	51	NNW	1	o	30.09	+ .07	53	50	- .02	Z	0	0	0	59	43	0.09		
Stornoway ...	30.13	56	SW	2	or	30.19	+ .06	55	53	- .02	W	2	0	2	59	47	0.15		
Wick ...	30.09	54	NW	1	o	30.17	+ .08	55	53	- .05	NW	3	0	0	65	45	0.17		
Nairn ...	30.14	58	WNW	1	o	30.19	+ .05	54	52	- .04	W	1	c	*	66	47	0.15		
Aberdeen...	30.14	56	Z	0	o p	30.16	.00	57	52	+ .01	NW	5	0	1	64	47	0.40		
Leith ...	30.18	61	W	3	c	30.20	+ .02	59	54	- .05	W	1	bc	*	69	51	0.01		
Shields ...	30.18	65	W	3	c	30.17	- .01	60	55	+ .04	W	2	c	2	65	53	0.01		
Spurn Head ...	30.23	63	S	3	c	30.23	+ .00	55	54	- .03	W	3	c	2	65	52	0.11		
York ...	30.22	66	W	3	bc	30.22	.00	58	55	+ .03	W	1	c	*	71	52	0.06		
Loughborough	30.25	70	WNW	3	c	30.26	+ .01	61	56	- .05	WNW	3	bc	*	73	47	-		
Ardrossan ...	30.22	61	W	3	o	30.24	+ .02	57	50	- .03	WNW	3	0	2	65	52	-		
Malin Head ...	30.23	59	NW	3	o	30.28	+ .05	57	54	- .03	NNW	3	c	2	63	54	-		
Mullaghmore	30.27	62	WNW	4	bc	30.28	+ .01	59	54	+ .01	NNW	3	bc	2	64	54	0.06		
Belmullet ...	30.31	62	W	2	bc	30.36	+ .05	59	54	+ .01	NW	1	0	*	64	48	-		
Donaghadee ...	30.27	59	NE	2	c	30.29	+ .02	56	54	- .02	NNE	3	c	1	65	53	-		
Barrow-in-Furness	30.25	61	SW	3	bc	30.28	+ .03	58	57	+ .01	NW	3	bc	*	64	56	0.02		
Liverpool (Bidston)	30.28	62	WNW	3	0	30.27	+ .01	60	55	+ .02	WNW	4	bc	4	65	54	-		
Holyhead ...	30.30	57	SSW	3	0	30.30	+ .00	63	58	+ .01	WNW	4	bc	2	64	54	-		
Parsonstown ...	30.29	65	W	1	bc	30.37	+ .08	59	55	+ .01	Z	0	0	*	68	45	-		
Valencia...	30.35	62	W	2	c	30.36	+ .01	61	58	- .03	NE	1	c	1	65	49	-		
Roche's Point...	30.33	61	WSW	3	c	30.36	+ .03	59	56	+ .01	NW	1	0	1	65	52	0.04		
Pembroke ...	30.33	58	WNW	2	bc	30.32	+ .01	60	58	+ .01	NNW	2	0	1	62	55	-		
Scilly ...	30.32	65	N	2	bc	30.38	+ .06	64	61	+ .01	NNW	1	0	1	69	57	-		
Prawle Point ...	30.32	62	WSW	4	0	30.33	+ .01	62	55	+ .02	W	1	0	1	78	52	-		
Jersey ...	30.31	66	NNW	3	0	30.29	+ .02	65	59	+ .02	NNW	2	0	2	69	50	-		
Hurat Castle ...	30.29	67	W	4	0	30.38	+ .09	64	57	+ .01	NNE	1	0	1	70	50	-		
Dungeness ...	30.27	63	WSW	2	0	30.23	+ .04	60	50	+ .04	NNW	2	0	1	68	50	-		
London ...	30.26	70	W	1	bc	30.28	+ .02	63	55	+ .03	W	1	0	*	76	49	-		
Oxford ...	30.27	66	WNW	1	bc	30.28	.00	61	55	+ .02	W	1	0	*	72	49	-		
Cambridge ...	30.27	66	NW	1	0	30.26	+ .01	64	56	+ .02	W	1	bc	*	74	45	-		
Yarmouth ...	30.26	64	SE	2	0	30.23	+ .03	60	56	- .01	NW	2	bc	2	66	53	-		
Cuxhaven ...	30.22	60	WNW	3	0	30.22	+ .00	63	60	+ .02	SW	2	0	*	63	59	-		
Berlin ...	30.20	68	NW	4	0	30.24	+ .04	62	55	- .07	N	3	0	*	81	57	-		
Wiesbaden ...	*	*	*	*	*	30.24	+ .05	64	59	- .05	Z	0	0	*	79	55	-		
Munich ...	30.14	68	W	3	r	30.23	- .09	63	62	- .01	NW	1	m	*	79	59	0.04		
GERMANY.																			
The Helder ...	30.26	61	WNW	1	0	30.19	+ .07	61	57	+ .01	SW	3	c	3	64	52	-		
Brussels ...	*	*	*	*	*	30.25	+ .04	62	57	+ .05	Z	0	0	*	74	53	-		
Cape Gris Nez...	30.28	64	NW	1	0	30.26	+ .02	63	61	+ .02	SW	3	0	1	72	57	-		
Paris ...	30.25	70	E	1	0	30.26	- .01	58	54	+ .01	NW	3	0	*	73	51	-		
Brest ...	30.30	68	NNE	4	0	30.32	+ .02	59	57	+ .01	NE	4	0	3	75	52	-		
Lorient ...	30.27	67	WNW	5	bc	30.30	+ .03	58	55	+ .02	ENE	4	0	2	75	54	-		
Rochefort ...	30.24	73	NE	5	bc	30.26	+ .02	62	59	- .02	NE	5	bc	2	72	55	-		
Belfort ...	30.19	72	N	1	o	30.17	- .02	68	59	- .02	NE	3	0	*	80	64	-		
Lyons ...	30.15	74	N	3	o	30.17	- .02	63	56	- .05	NNE	1	c	*	78	60	-		
Nice ...	30.07	81	W	1	bc	30.03	- .04	78	66	- .06	E	1	0	1	84	70	-		
Perpignan ...	30.06	80	NW	3	o	30.12	+ .06	76	70	+ .03	Z	0	0	*	90	?	-		
Biarritz ...	30.15	74	W	4	bc	30.17	+ .02	72	69	- .03	WSW	5	0	2	77	70	-		
FRANCE & NETHERLANDS.																			
Corunna ...	*	*	*	*	*	30.17	+ .03	68	65	- .03	N	4	0	4	75	61	-		
Lisbon ...	30.08	72	NNW	5	0	30.09	.00	68	61	- .07	N	3	0	2	84	63	-		

For Explanation of Columns, see p. 4.



# WEATHER

for 8 a.m. on

# CHARTS

Tuesday 2<sup>d</sup> August

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.

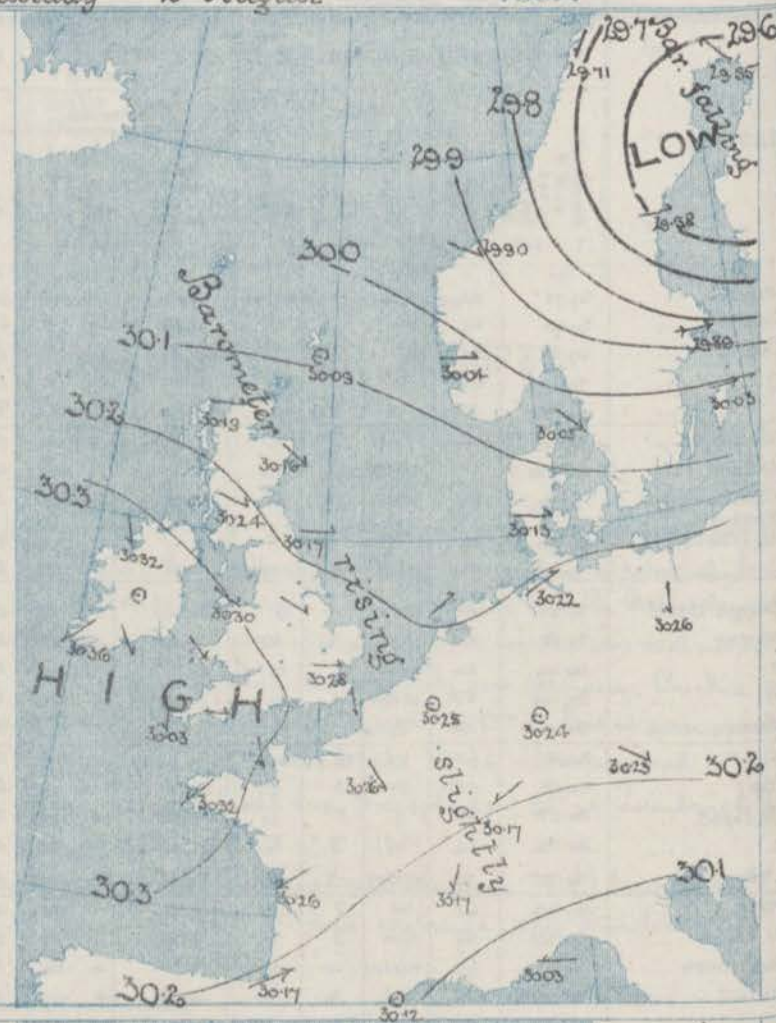
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head.	29.806
Stornoway.	29.800
Wick.	29.822
Nairn.	29.829
Aberdeen.	29.835
Leith.	29.852
Shields.	29.876
York.	29.905
Ardrossan.	29.856
Donaghadee.	29.868
Holyhead.	29.893
Liverpool.	29.898
Valencia.	29.908
Roche's Point.	29.908
Pembroke.	29.910
Scilly.	29.951
Hurst Castle.	29.940
Dover.	29.945
LONDON.	29.943
Oxford.	29.929
Cambridge.	29.929
Yarmouth.	29.928



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

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

**Weather** is shown by Letters of the Beaufort Scale.

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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	58.3	48.8	54.1	52.4	3.21
Stornoway.	58.5	49.2	55.8	53.9	3.57
Wick	61.3	48.7	55.8	53.8	2.35
Nairn	63.6	50.6	56.0	53.1	2.81
Aberdeen	63.0	50.7	56.8	53.9	3.13
Leith	66.3	52.2	58.1	55.2	2.62
Shields	63.7	53.2	58.0	55.3	2.81
York	68.2	51.8	58.7	56.0	2.47
Ardrossan	62.7	54.0	57.8	55.0	4.08
Donaghadee	61.2	52.0	57.3	55.9	2.99
Holyhead	65.2	55.7	58.9	56.9	2.89
Liverpool	66.3	54.7	59.2	56.1	2.79
Valencia	65.4	54.7	59.8	57.1	4.65
Roche's Point	67.5	54.7	59.4	56.8	3.59
Pembroke	64.4	56.4	59.4	57.1	2.91
Scilly	65.4	57.8	61.3	59.3	2.45
Hurst Castle	67.9	56.8	61.7	59.8	2.31
Dover	67.3	55.2	63.3	59.0	2.06
LONDON	72.3	54.2	61.9	58.5	2.20
Oxford	69.6	53.9	59.8	57.3	2.33
Cambridge	71.9	52.8	60.7	57.9	2.25
Yarmouth	69.9	55.7	61.4	58.5	2.17

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 ins and upwards in an anticyclone, the eastern portion of which lies over Ireland the south part of England and the north-west of France. Lowest, 29.6 ins and less in a well-defined depression having its centre over the north of Sweden. A band or "Col" extends from the western anticyclone to Central Europe.
TEMPERATURE	Highest, 78° at Nice, 76° at Perpignan, 72° at Biarritz, 68° at Belfast and Lisieux, and 65° at Jersey. Lowest, 51° at Stockholm, 52° at Rosé and Christiansund, 53° at Lumburg Head and 54° at Naïm.
WIND	W or NW over our islands, the North Sea and the greater part of Scandinavia; light or moderate in force generally, but strong to a gale in the south of Sweden. Light or moderate from NE at most of the French stations; variable in Germany.
WEATHER	Fine generally, but dull in the northern parts of Scandinavia and Scotland, with rain at Christiansund. Showers fell yesterday, or during the night at several of our northern and eastern, as well as at one or two of our western stations.
SEA	Moderate in the Christiania Fjord and also at Liverpool, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large area of low readings noticed over Scandinavia yesterday has apparently grown deeper and moved slowly northwards, but beyond this no important change has occurred in the distribution of pressure.  
The anticyclone over our western and south-western coasts is still extending eastwards, and fine weather is therefore likely to continue over the greater part of the United Kingdom.

## FORECASTS

For the 24 hours ending at NOON on 3<sup>rd</sup> August 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W <sup>ly</sup> winds, moderate, fine generally.	6 SCOTLAND WEST	W <sup>ly</sup> and NW <sup>ly</sup> winds, light, fine generally.
1 SCOTLAND EAST	D° D°	7 ENGLAND N. W.	D° D°
2 ENGLAND N. E.	D° D°	8 ENGLAND S. W.	NW <sup>ly</sup> and N <sup>ly</sup> winds, light, fair generally.
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	NW <sup>ly</sup> winds, light, fine, warm.		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.	Deg.	Wet.	Wind.	Wes.	Sea.		Bar.	Deg.	Wet.	Wind.	Wes.	Sea.		
Skudeenæs ...	30.03	57	54	WNW	6	0	3	Holyhead ...	30.31	62	56	WNW	1	b	1
Sumburgh Head ...	30.06	57	52	W	2	b	2	Valencia ...	30.35	64	58	SW	3	cn	3
Stornoway ...	30.14	57	55	SW	2	ogp	2	Scilly ...	30.32	65	63	WNW	1	b	2
Aberdeen ...	30.15	61	57	S	3	bep	0	Dungeoess ...	30.27	68	64	SW	2	b	1
Shields ...	30.19	64	56	E	2	r	2	London ...	30.27	72	59	WNW	2	b	2
Ardrossan ...	30.23	62	55	WSW	1	0	1	Yarmouth ...	30.25	64	60	NE	2	b	2
Malin Head ...	30.22	62	58	WNW	3	0	2	Jersey ...	30.33	69	59	N	3	b	3
Mullaghmore ...	30.29	63	58	W	3	b.v	2	Rochefort ...	30.26	65	68	NE	5	c	2
Belmullet ...	30.31	63	57	WNW	2	b	2								

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

The reports for yesterday morning showed that an anticyclone with readings exceeding 30.3 ins. was lying to the southward of the British Islands, while areas of relatively low pressure (29.3 ins. and less) existed respectively over Sweden and the Baltic, and over Asia Minor and the Archipelago. Moderate breezes from W. or NW prevailed over our Islands, the North Sea, the Netherlands and Germany, but on the eastern shores of the Baltic the wind was SE<sup>1</sup> or S<sup>2</sup> while over Southern Europe it was light and very variable. The weather was fair generally, but in Scandinavia and the south of France the sky was overcast and in the extreme northwest of our Islands showers are falling. Temperature had fallen a little in Norway and Sweden, and risen somewhat in Russia, but elsewhere the changes were slight and irregular; readings ranged from 80° and upwards at several of the Algerian, Spanish, and Italian stations as well as in the south of Austria to 60° or less over Norway and the northern part of the British Isles. The highest individual readings were 85° at Bucharest and Trieste, 83° at Livorno, 82° at Nice, and 81° at Ajaccio, La Calle and Malta, the lowest were 53° at Rodez, 55° at Sumburgh Head and Stornoway, 58° at Spurn H<sup>d</sup>. and 59° at Lemsbroke.

In the course of the day very little change occurred in the general distribution of pressure. Rain fell at several of our northern stations, but in the south the weather remained fine, and in London the thermometer rose to a maximum of 76°.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Wednesday 3<sup>rd</sup> August

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 ..	29.39	54	S	8	o	29.64	+ .09	52	49	- 12	NW	6	o	*	64	52	0.04	
Hernösand ...	29.82	55	W	8	c	30.04	+ .46	53	46	- 4	NNE	4	bc	*	53	52	-	
Stockholm ...	30.05	59	Z	o	b	30.10	+ .21	60	52	+ 9	NE	2	b	*	70	59	-	
Wisby ...	30.09	60	SSW	2	b	30.08	+ .05	62	57	+ 2	N	4	bc	*	75	55	-	
Bodö ...	29.73	51	NNW	4	o	29.95	+ .24	47	45	- 5	WSW	4	o	2	52	45	0.04	
Christiansund...	30.07	51	WNW	4	o	30.18	+ .28	52	47	o	WSW	3	o	3	54	48	0.24	
Skudesnaes ...	30.15	54	NW	4	c	30.21	+ .17	56	50	o	NNW	6	c	3	?	54	-	
Christiania Fjord (Fjorder)	29.98	59	SW	5	b	30.08	+ .11	55	51	- 3	NNW	5	o	1	63	54	-	
Skagen (The Scaw)	30.03	54	W	1	bc	30.04	- .01	60	57	+ 2	Z	o	bc	o	64	52	0.04	
Faño ...	30.07	54	WSW	2	r	30.14	+ .01	57	53	- 5	NW	4	c	*	63	52	0.24	
BRITISH ISLANDS.																		
Sumburgh Head	30.17	57	WNW	1	o	30.22	+ .13	51	51	- 2	Z	o	r	o	57	49	0.04	
Stornoway ...	30.28	57	W	1	c	30.31	+ .12	57	54	+ 2	W	1	o	2	60	47	-	
Wick ...	30.25	54	NW	1	b	30.29	+ .12	57	53	+ 2	NW	2	bc	o	61	50	0.01	
Nairn ...	30.26	62	W	1	bc	30.31	+ .12	56	55	+ 2	WNW	1	b	1	62	47	-	
Aberdeen...	30.27	61	NNW	3	bc	30.30	+ .17	59	53	+ 2	WNW	2	b	1	63	42	-	
Leith ...	30.27	63	W	1	bc	30.35	+ .15	58	54	- 1	W	1	b	*	72	47	-	
Shields ...	30.28	60	ENE	2	bc	30.35	+ .18	52	48	- 8	W	2	b	2	62	46	-	
Spurn Head ...	30.27	59	NNE	3	b	30.39	+ .16	57	55	+ 2	NW	1	b	2	64	53	0.12	
York ...	30.27	63	ESE	1	c	30.38	+ .16	52	51	- 6	SSE	1	b	*	72	43	0.01	
Loughborough	30.28	67	WNW	4	b	30.40	+ .14	56	54	- 5	Z	o	bc	*	71	42	-	
GERMANY.																		
Ardrossan ...	30.30	62	WNW	4	b	30.35	+ .11	61	55	+ 4	WNW	3	c	2	64	50	-	
Malin Head ...	30.35	59	NNW	2	c	30.34	+ .06	58	55	+ 1	SSE	2	b	o	61	49	-	
Mullaghmore ...	30.36	61	NW	2	b	30.32	o	59	56	o	ENE	4	c	3	63	53	-	
Belmullet ...	30.37	61	NNE	2	b	30.30	- .06	59	56	o	SE	1	o	*	63	52	-	
Donaghadee ...	30.35	58	NE	3	b	30.39	+ .10	59	54	+ 3	WNW	4	b	2	62	54	-	
FRANCE & NETHERLANDS.																		
Barrow-in-Furness	30.28	62	NW	4	b	30.36	+ .14	57	57	- 1	W	3	c	*	63	53	-	
Liverpool (Bidston)	30.33	61	NNW	3	b	30.39	+ .12	61	54	+ 1	WNW	1	c	2	65	53	-	
Holyhead ...	30.34	58	NNE	1	b	30.38	+ .08	64	57	+ 1	S	1	bc	1	64	49	-	
Parsonstown ...	30.35	46	Z	o	c	30.34	- .03	60	55	+ 1	S	1	c	*	68	49	-	
Valencia ...	30.33	62	SSE	5	c	30.31	- .05	60	59	- 1	SE	5	ond	5	66	57	0.08	
Roche's Point...	30.37	63	SW	2	bc	30.36	o	63	60	+ 4	SW	3	c	3	66	54	-	
Pembroke ...	30.36	61	NW	2	b	30.39	+ .07	58	58	- 2	ENE	2	bc	1	64	52	-	
Scilly ...	30.35	63	NNE	3	bc	30.35	+ .02	64	60	o	E	2	c	2	67	57	-	
Prawle Point ...	30.31	68	WNW	4	b	30.36	+ .03	64	54	+ 2	NNE	5	b	4	73	52	-	
Jersey ...	30.32	67	WNW	3	b	30.33	+ .04	67	61	+ 2	ESE	1	bc	1	70	58	-	
PENINSULA.																		
Hurst Castle ...	30.28	70	N	3	bc	30.38	+ .08	61	56	- 3	NNE	2	m	1	71	54	-	
Dungeness ...	30.24	65	NE	2	c	30.36	+ .13	65	60	+ 5	ENE	2	bc	1	71	53	-	
London ...	30.27	69	NW	2	bc	30.38	+ .10	63	52	o	Z	o	b	*	76	48	-	
Oxford ...	30.32	62	NNW	2	b	30.40	+ .12	56	51	- 5	NNW	1	bc	*	70	44	-	
Cambridge ...	30.32	67	N	1	bc	30.40	+ .14	62	56	- 2	NE	1	bc	*	73	47	-	
Yarmouth ...	30.26	60	N	2	b	30.37	+ .14	60	56	o	NNE	1	b	2	65	48	-	
Cuxhaven ...	30.17	57	SW	1	r	30.23	+ .01	59	57	- 4	NW	5	r	*	63	56	0.44	
Berlin ...	30.12	68	SW	1	bc	30.18	- .08	58	53	- 6	WNW	3	o	*	75	54	0.08	
Wiesbaden ...	*	*	*	*	*	30.23	+ .09	60	53	- 4	N	4	o	*	77	50	-	
Munich ...	30.16	67	NE	1	bc	30.26	+ .03	59	56	- 4	NW	3	o	*	75	57	0.67	
FRANCE & NETHERLANDS.																		
The Helder ...	30.23	60	NW	3	c	30.32	+ .13	58	54	- 3	N	3	c	2	63	57	-	
Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cape Gris Nez...	30.26	64	N	1	b	30.38	+ .12	62	58	- 1	E	1	b	o	72	52	-	
Paris ...	30.24	72	NNW	3	b	30.36	+ .10	56	52	- 2	NNE	3	b	*	77	50	-	
Brest ...	30.34	66	NE	5	b	30.34	+ .02	60	56	+ 1	NE	3	b	2	75	52	-	
Lorient ...	30.28	72	NE	5	b	30.35	+ .05	58	55	o	ENE	3	b	2	75	55	-	
Rochefort ...	30.25	71	NNW	4	b	30.30	+ .04	61	57	- 1	NE	5	b	2	86	55	-	
Belfort ...	30.12	74	W	1	bc	30.23	+ .06	64	58	- 4	E	3	b	*	82	55	-	
Lyons ...	30.10	75	N	1	b	30.19	+ .02	62	53	- 1	N	4	b	*	79	60	-	
Nice ...	29.97	78	SSW	3	bc	29.97	- .06	77	69	- 1	E	1	m	1	91	70	-	
Perpignan ...	30.11	77	W	3	c	30.13	+ .01	75	67	- 1	W	3	b	*	92	68	0.08	
Biarritz ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
FRANCE & NETHERLANDS.																		
Corunna ...	*	*	*	*	*	30.12	- .05	70	66	+ 2	NNE	3	b	4	75	63	-	
Lisbon ...	30.00	77	NNW	7	b	29.99	- .10	73	64	+ 5	Z	o	b	2	88	68	-	

For Explanation of Columns, see p. 1. † Received too late for insertion in Charts.







# GENERAL SITUATION AT 8 A.M.

## PRESSURE -

Highest, 30.3 ins to 30.4 ins over the British Isles, Netherlands and north of France.  
Lowest, 29.6 ins in England, 30.0 ins and less over the Gulf of Genoa and the south of Portugal.  
Gradients, slight. Barometer falling in west, rising elsewhere.

## TEMPERATURE

Highest, 77° at Nice, 75° at Perpignan, 73° at Lisbon and 64° at Lundy and Prawle Point.  
Lowest, 47° at Bodo, 51° at Lumburg Head, 52° at Haparanda and Christiansund, 52° at Shields and York, 56° at Longborough, Africa and Paris.  
[It was low (42° to 48°) over England in the night. Minimum on grass at Clifford 33° and in London 37°.]

## WIND

Light to moderate in most places. NE<sup>ly</sup> in the Channel and west of France.  
SE<sup>ly</sup> and S<sup>ly</sup> in Ireland, W<sup>ly</sup> and SW<sup>ly</sup> in the north and NW<sup>ly</sup> to N<sup>ly</sup> in the east and south-east.

## WEATHER

Fair or fine except at Valencia and Copenhagen, where rain is falling.  
Much cloud prevails at our extreme western and north western stations.  
[Rain fell yesterday on our north-east coasts and in several parts of Germany.]

## SEA

Rather rough at Valencia, smooth generally elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the fall of the barometer in the west progresses, the SE<sup>ly</sup> and S<sup>ly</sup> winds in the west will probably freshen, with rain, and extend to the west and north-west of Scotland. Over England fine dry weather is still probable with light variable breezes in most places, but perhaps some freshening in the Channel.

## FORECASTS

for the 24 hours ending at NOON on 4<sup>th</sup> August 1887.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	W <sup>ly</sup> and SW <sup>ly</sup> breezes, light or moderate, fine to showery.
1	SCOTLAND EAST	Very light and variable breezes, fine, warm.
2	ENGLAND N.E.	----- D <sup>o</sup> ----- D <sup>o</sup> -----
3	ENGLAND EAST	----- D <sup>o</sup> ----- D <sup>o</sup> -----
4	MIDLAND COUNTIES	Same as N <sup>o</sup> 5.
5	ENGLAND SOUTH	E <sup>ly</sup> and SE <sup>ly</sup> breezes, light, fine, warm.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Same as N <sup>o</sup> 0.
7	ENGLAND N.W.	SE <sup>ly</sup> and S <sup>ly</sup> breezes, fair generally.
8	ENGLAND S.W.	----- D <sup>o</sup> ----- D <sup>o</sup> -----
9	IRELAND NORTH	SE <sup>ly</sup> and S <sup>ly</sup> breezes, freshening, some rain.
10	IRELAND SOUTH	----- 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.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.10	58	54	NW 4	c	3	Holyhead ...	30.34	62	55	NW 2	b	1
Sumburgh Head ...	30.15	55	52	NNW 1	c	1	Valencia ...	30.35	65	58	SSE 3	cu	3
Stornoway ...	30.23	58	55	W 2	bc	2	Scilly ...	30.35	65	62	N 2	b	2
Aberdeen ...	30.24	63	55	NNW 4	c	1	Dungeness ...	30.22	69	64	SW 3	bc	2
Shields ...	30.25	59	55	NNE 2	bc	2	London ...	30.25	72	59	WNW 3	bc	*
Ardrossan ...	30.25	63	55	WNW 4	b	3	Yarmouth ...	30.23	62	58	NNE 3	bc	2
Malin Head ...	30.33	60	56	NNW 2	o	2	Jersey ...	30.32	70	59	NW 3	bc	2
Mullaghmore ...	30.36	62	55	WNW 3	bc	2	Rochefort ...	30.26	83	71	NE 4	b	2
Belmullet ...	30.34	62	55	N 2	o	*							

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

The report for yesterday morning showed that, while the highest pressures of all 30.3 ins and upwards were reported in an anticyclone which lay over the west and south-west of the British Islands, a band of high readings 30.2 ins and upwards spread thence across France to Central Europe. The lowest pressures 29.6 ins and less were found in a depression which lay over the Gulf of Bothnia. Light or moderate breezes from the north-westward prevailed over the greater part of the United Kingdom, and strong winds or gales from west over the south of Scandinavia, but over Finland and the Baltic provinces the wind was SW or S by W, while over France, Spain and Algeria it was chiefly NE by E. The weather was fine generally, but in the neighbourhood of the low-pressure system and also over Northern Austria the sky was cloudy, with rain at Christiansund and Prague. Temperature had fallen at most of the Continental stations, but in our islands the changes were slight and irregular; readings ranged from between 75° and 85° over Southern Europe to 55° or less in the extreme north of our islands and the west of Norway. The highest individual readings were 88° at Biskra, 86° at Caplari, 83° at Trieste and Toulon and 82° at Cape Bearn, Brindisi and Malta; the lowest were 51° at Stockholm, 52° at Rode and Christiansund, 53° at Sumburgh Head and 54° at Kairu.

In the course of the day the anticyclone in the south-west moved slowly north-eastwards and a slight fall of the barometer set in over the west of Ireland. Fine weather continued, however in most places and the thermometer rose to 76° in London.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Thursday 4<sup>th</sup> August. 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 ..	29.91	53	W	2	b	29.97	+ .06	55	51	+ 4	N	2	0	*	61	43	—	
Hernösand ...	30.18	55	Z	0	b	30.19	+ .01	56	49	+ 7	NNW	2	0	*	70	50	—	
Stockholm ...	30.15	56	NE	2	b	30.25	+ .10	59	50	+ 9	N	4	0	*	70	52	—	
Wisby ...	30.12	59	ENE	4	b	30.18	+ .06	62	55	+ 7	ENE	4	0	*	68	59	—	
Bodö ...	30.00	49	W	6	o	30.06	+ .06	50	49	+ 1	WSW	8	0	5	50	46	0.12	
Christiansund...	30.23	53	WSW	6	c	30.27	+ .04	55	51	+ 4	WSW	5	0	3	55	?	—	
Skudesnaes ...	30.27	54	NNW	4	b	30.31	+ .04	57	52	+ 5	NNW	4	0	3	59	54	—	
Christiania Fjord (Fierder)	30.17	63	NNW	2	b	30.26	+ .09	58	55	+ 3	NNW	2	0	1	63	?	0.20	
Skagen (The Seaw)	30.17	58	N	1	b	30.25	+ .08	60	58	+ 2	Z	0	0	0	64	55	—	
Faou ...	30.20	54	NNW	2	b	30.26	+ .06	59	55	+ 4	NW	4	0	*	61	52	—	
BRITISH ISLANDS.																		
Sumburgh Head	30.27	52	W	1	o	30.29	+ .02	51	49	+ 2	Z	0	0	0	55	48	—	
Stornoway ...	30.30	58	E	2	b	30.22	— .08	60	58	+ 2	S	3	0	3	65	47	—	
Wick ...	30.33	55	Z	0	b	30.27	— .06	59	56	+ 3	SE	1	0	0	67	47	—	
Nairn ...	30.29	60	NNE	1	b	30.28	— .01	55	54	+ 1	Z	0	0	0	72	50	—	
Aberdeen...	30.32	61	S	2	b	30.31	— .01	63	57	+ 6	S	2	0	0	64	50	—	
Leith ...	30.32	61	NW	1	b	30.32	— .00	68	55	+ 13	NE	1	0	0	67	45	—	
Shields ...	30.32	59	E	2	b	30.34	+ .02	57	54	+ 3	Z	0	0	1	64	49	—	
Spurn Head ...	30.32	61	SE	4	b	30.34	— .02	58	55	+ 3	WSW	1	0	2	62	54	—	
York ...	30.32	71	NW	1	b	30.35	+ .03	57	55	+ 2	N	1	0	*	74	47	—	
Loughborough	30.32	71	W	2	o	30.36	+ .04	58	50	+ 8	ENE	1	0	0	78	44	—	
Ardrossan ...	30.32	60	S	1	b	30.31	— .01	63	57	+ 6	S	1	0	0	68	50	—	
Malin Head ...	30.27	61	SE	3	o	30.22	— .05	61	59	+ 2	S	3	0	1	64	49	—	
Mullaghmore ...	30.28	67	S	4	c	30.23	— .05	62	58	+ 4	SSW	1	0	1	70	58	—	
Belmullet ...	30.27	65	SSW	4	c	30.22	— .05	62	58	+ 4	S	2	0	*	65	59	—	
Donaghadee ...	30.34	60	S	2	b	30.33	— .01	60	56	+ 4	S	3	0	1	62	55	—	
Barrow-in-Furness	30.31	61	NW	3	b	30.31	— .00	59	56	+ 3	NE	3	0	*	64	53	—	
Liverpool (Midston)	30.35	66	NNW	1	b	30.33	— .02	64	55	+ 9	ESE	1	0	1	69	52	—	
Holyhead ...	30.35	61	N	1	b	30.31	— .04	67	61	+ 6	Z	0	0	0	70	53	—	
Parsonstown ...	30.31	69	Z	0	c	30.27	— .04	64	58	+ 6	Z	0	0	*	73	52	—	
Valencia ...	30.28	65	SE	4	c	30.22	— .06	64	59	+ 5	SE	4	0	4	65	58	—	
Roche's Point...	30.34	65	S	1	b	30.28	— .06	65	62	+ 3	S	2	0	3	70	60	—	
Pembroke ...	30.33	65	NNE	2	b	30.31	— .02	61	60	+ 1	ESE	3	0	2	65	54	—	
Scilly ...	30.31	65	E	1	b	30.25	— .06	65	63	+ 2	E	4	0	3	69	59	—	
Prawle Point ...	30.33	62	ENE	2	b	30.32	— .01	64	57	+ 7	ENE	5	0	4	69	56	—	
Jersey ...	30.31	71	NE	3	b	30.29	— .02	65	58	+ 7	E	4	0	3	75	58	—	
Hurst Castle ...	30.34	65	SW	3	b	30.35	+ .01	63	60	+ 3	ENE	2	0	1	72	49	—	
Dungeness ...	30.37	62	SE	3	b	30.34	— .03	62	59	+ 3	ESE	3	0	0	68	51	—	
London ...	30.33	68	SSE	1	b	30.36	+ .03	63	56	+ 7	E	1	0	*	76	49	—	
Oxford ...	30.38	62	NNW	1	b	30.36	— .02	62	56	+ 6	Z	0	0	*	74	48	—	
Cambridge ...	30.37	57	N	1	b	30.37	— .00	63	57	+ 6	SSE	1	0	*	77	47	—	
Yarmouth ...	30.37	62	ESE	2	b	30.37	— .00	61	57	+ 4	SSE	2	0	2	65	54	—	
Cuxhaven ...	30.26	56	NW	4	T	30.31	+ .05	61	58	+ 7	N	3	0	*	61	56	0.04	
Berlin ...	30.21	59	NW	4	o	30.23	+ .02	57	54	+ 3	W	4	0	*	70	52	—	
Wiesbaden ...	*	*	*	*	*	30.33	00	60	54	+ 6	Z	0	0	*	72	50	—	
Munich ...	30.30	60	Z	0	b	30.30	+ .00	55	50	+ 5	NE	3	0	*	70	48	—	
FRANCE & NETHERLANDS.																		
The Helder ...	30.35	59	N	1	b	30.37	+ .02	60	54	+ 6	N	1	0	2	63	57	—	
Brussels ...	*	*	*	*	*	30.36	59	54	—	5	ENE	3	0	*	72	48	—	
Cape Gris Nez...	30.36	62	ENE	4	b	30.34	— .02	59	55	+ 4	E	3	0	1	70	52	—	
Paris ...	30.30	68	NNE	3	b	30.29	— .01	57	53	+ 4	NE	3	0	*	72	50	—	
Brest ...	30.26	71	NE	5	b	30.28	— .02	62	56	+ 6	E	4	0	3	75	52	—	
Lorient ...	30.26	68	NW	3	b	30.26	— .00	59	54	+ 5	ESE	3	0	2	86	55	—	
Rochefort ...	30.23	75	ENE	5	b	30.21	— .02	60	57	+ 3	ENE	7	0	2	88	54	—	
Belfort ...	30.19	68	E	5	b	30.21	— .02	63	53	+ 10	E	5	0	*	75	49	—	
Lyons ...	30.12	72	N	3	b	30.16	— .04	58	52	+ 6	SW	3	0	*	76	55	0.28	
Nice ...	29.92	79	SW	1	b	29.99	+ .07	75	70	+ 5	E	1	0	1	90	68	—	
Perpignan ...	30.05	82	W	3	b	30.06	— .01	72	62	+ 10	Z	0	0	*	88	62	—	
Biarritz ...	30.13	76	NNE	4	b	30.12	— .01	64	61	+ 3	ENE	3	0	1	79	61	—	
Corunna ...	*	*	*	*	*	?	?	73	67	+ 6	?	?	?	0	77	59	—	
Lisbon ...	29.95	80	NNW	5	b	29.99	+ .04	72	66	+ 6	N	1	0	2	88	68	—	

For Explanation of Columns, see p. 4.

† Received too late for insertion in Chart.



# WEATHER CHARTS

for 8 a.m. on

Thursday 4<sup>th</sup> August

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, — force 8 to 10,  
 — force 5 to 7, — force 1 to 4,  
 — dead calm.

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

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.806
Stornoway	29.800
Wick	29.822
Nairn	29.829
Aberdeen	29.835
Leith	29.852
Shields	29.870
York	29.905
Ardrossan	29.856
Donaghadee	29.868
Holyhead	29.893
Liverpool	29.898
Valencia	29.908
Roche's Point	29.908
Pembroke	29.910
Scilly	29.951
Hurst Castle	29.949
Dover	29.945
LONDON	29.948
Oxford	29.929
Cambridge	29.929
Yarmouth	29.928



## TEMPERATURE, & WEATHER at 8 a.m., with RAINFALL in PAST 24 HOURS.

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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	At 8 a.m.	At 8 p.m.	
Sumburgh Head	58.3	48.8	54.1	52.4	3.21
Stornoway	58.5	49.2	55.8	53.9	3.57
Wick	61.3	48.7	55.6	53.6	2.35
Nairn	63.6	50.6	56.0	53.1	2.81
Aberdeen	63.0	50.7	56.8	53.9	3.12
Leith	66.3	52.2	58.1	55.2	2.62
Shields	63.7	53.2	58.0	55.3	2.81
York	68.2	51.8	58.7	56.0	2.47
Ardrossan	62.7	54.0	57.8	55.0	4.08
Donaghadee	61.2	52.6	57.3	55.9	2.99
Holyhead	65.2	55.7	58.9	56.9	2.89
Liverpool	66.3	54.7	59.2	56.1	2.79
Valencia	65.4	54.7	59.8	57.1	4.05
Roche's Point	67.5	54.7	59.4	56.8	3.59
Pembroke	64.4	56.4	59.4	57.1	2.91
Scilly	65.4	57.8	61.3	59.3	2.45
Hurst Castle	67.9	56.8	61.7	59.8	2.31
Dover	67.3	58.2	63.3	59.6	2.00
LONDON	72.3	54.2	61.9	58.5	2.20
Oxford	69.6	53.9	59.8	57.3	2.33
Cambridge	71.9	52.8	60.7	57.9	2.25
Yarmouth	60.9	55.7	61.4	58.5	2.17

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 ins and upwards in a large anticyclone lying over England, the North Sea, the Netherlands and the greater part of Germany.  
Lowest, 30.0 ins and less over the northern part of the Gulf of Bothnia and also over the south of Spain and the western part of the Mediterranean.

## TEMPERATURE

Highest, 75° at Nice, 72° at Perpignan and Lisbon, 67° at Holyhead and 65° at Roker Point, Seilly and Jersey.  
Lowest, 50° at Bodo, 51° at Lumburg Head, 55° at Haparanda, Christiansund, Naen and Murich and 56° at Hernösand and Loughborough.  
[During yesterday the thermometer rose to 76° in London, 77 at Cambridge and 78° at Loughborough.]

## WIND

Light or moderate from east over the south of England and the west and north of France.  
Light S.E. or S.W. in the west and north of our islands.  
Variable in the north-east of England; moderate N.W. on the eastern shores of the North Sea.

## WEATHER

Fine generally, but dull in the Shetlands and also on the north-west coast of Ireland.  
[Lunar halo was seen last evening at Cardiff.]

## SEA

The sea is moderate at Valencia and Prader Point, smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclonic system is moving slowly eastwards and the wind over our islands will probably shift more to the S.W.  
No important change in the weather is, however, likely at present.

## FORECASTS

for the 24 hours ending at NOON on 5th August 1887.

### DISTRICTS.

### FORECASTS.

0	{ SCOTLAND NORTH	S.W. winds, light or moderate; fine, warm.
1	{ SCOTLAND EAST	— D° — D° —
2	{ ENGLAND N.E.	Light variable airs; fine, warm.
3	{ ENGLAND EAST	Same as N° 5.
4	{ MIDLAND COUNTIES	Same as N° 5.
5	{ ENGLAND SOUTH	E.W. winds, light or moderate; fine, warm.

### DISTRICTS.

### FORECASTS.

6	{ SCOTLAND WEST	Same as N° 0.
7	{ ENGLAND N.W.	E.W. and S.E.W. winds, light; fine, warm.
8	{ ENGLAND S.W.	E.W. winds, moderate or fresh; fair generally.
9	{ IRELAND NORTH	S.E.W. and S.W. winds, freshening; fair generally, but some rain in west.
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 ...	30.24	59	52	NW	6	b	3	Holyhead ...	30.38	69	59	SW	1	b	1
Sumburgh Head ...	30.25	54	53	W	1	o	0	Valencia ...	30.31	65	61	SSE	5	o	5
Stornoway ...	30.29	62	59	W	1	b	2	Scilly ...	30.34	68	65	SE	1	b	2
Aberdeen ...	30.33	61	55	S	3	b	1	Dungeness ...	30.37	66	62	SE	2	b	0
Shields ...	30.33	62	56	ENE	2	b	2	London ...	30.34	71	61	ENE	1	b	2
Ardrossan ...	30.32	61	57	S	1	b	1	Yarmouth ...	30.38	74	57	NE	3	b	2
Malin Head ...	30.31	62	60	SE	3	o	1	Jersey ...	30.33	74	60	NNE	1	b	1
Mullaghmore ...	30.30	68	59	SSE	3	o	2	Rochefort ...	30.27	84	71	NE	5	b	2
Belmullet ...	30.28	65	61	SSW	3	o	*								

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

The reports for yesterday morning showed that pressure varied from between 30.3 ins: and 30.4 ins: over the United Kingdom and from about 30.0 ins: over Central Europe to about 29.6 ins: over Northern Europe and to about 29.3 ins: over the southern parts of the Spanish Peninsula. Thus, while light W<sup>ly</sup> and NW<sup>ly</sup> breezes prevailed over the North Sea, and W<sup>ly</sup> to SW<sup>ly</sup> over Russia, the winds over the Channel and west of France were NE<sup>ly</sup>, while those in Ireland were SE<sup>ly</sup> and S<sup>ly</sup>. The weather was showery over parts of North Germany, and thunderstorms had again prevailed in the southwest of France during the night; elsewhere the weather was fine and bright. Temperature which had decreased except in the west, varied from between 75° and 90° over the Mediterranean coast to rather below 50° over Northern Europe. The highest individual values were 89° at Palma, 88° at Alicante, 86° at Biskra (Algeria) Cagliari, Leria and Pesaro, and 84° at Barcelona and Florence; the lowest 47° at Bodo, 51° at Sumburgh H<sup>d</sup>, and 52° at Haparanda and Christiansund.

No important change 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 Friday 5<sup>th</sup> August 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 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 P.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 ...	30.04	50	N	0	b	30.12	+ .15	54	49	- 1	N	2	b	*	61	46	-	
Hernösand ...	30.18	59	NW	2	c	30.25	+ .06	56	49	0	N	4	b	*	72	48	-	
Stockholm ...	30.25	56	SE	2	b	30.25	00	61	54	+ 2	NE	2	b	*	68	46	-	
Wisby ...	30.24	58	NW	2	b	30.21	+ .03	63	59	+ 1	NW	2	b	*	72	54	-	
Bodö ...	30.16	50	WSW	6	c	30.24	+ .18	49	48	- 1	WSW	4	r	2	52	46	-	
Christiansund...	30.29	53	WSW	2	o	30.26	- .01	55	51	0	S	1	c	2	55	50	-	
Skudesnaes ...	30.30	53	NW	2	c	30.30	- .01	59	53	0	NW	1	c	2	?	?	-	
Christiania Fjord (Fjorder)	30.20	63	SW	3	b	30.23	- .03	60	57	+ 2	SW	3	bc	1	66	?	-	
Skagen (The Seaw)	30.25	56	WNW	1	b	30.25	00	59	54	- 3	WSW	1	o	1	68	50	-	
Faßö ...	30.32	52	N	1	b	30.26	- .00	59	55	0	W	2	c	*	64	48	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.23	55	Z	0	o	30.12	- .17	59	56	+ 6	S	2	bc	1	58	49	-	
Stornoway ...	30.16	62	SW	3	o	30.02	- .20	61	58	+ 1	SW	3	c	3	65	55	0.08	
Wick ...	30.19	60	SE	1	f	30.08	- .19	65	59	+ 6	SE	1	b	0	67	50	-	
Nairn ...	30.21	61	Z	0	bc	30.10	- .18	67	63	+ 12	Z	0	c	0	72	52	-	
Aberdeen...	30.24	62	SW	4	c	30.17	- .14	68	61	+ 5	S	2	b	0	68	52	-	
Leith ...	30.23	66	NE	1	bc	30.19	- .13	65	59	+ 7	SE	1	bm	*	70	48	-	
Shields ...	30.26	59	E	2	o	30.21	- .13	59	56	+ 2	SW	1	mist	2	62	53	-	
Spurn Head ...	30.28	62	SE	4	bc	30.28	- .06	62	60	+ 4	SSE	3	bc	3	67	56	-	
York ...	30.27	70	E	1	b	30.25	- .10	59	55	+ 2	S	2	bc	*	79	53	-	
Loughborough	30.24	77	SSW	1	bc	30.27	- .09	61	58	+ 5	ESE	1	b	*	81	52	-	
ARDROSSAN.																		
Ardrossan ...	30.23	65	Z	0	bc	30.17	- .14	64	59	+ 1	Z	0	cm	0	68	55	-	
Malin Head ...	30.16	66	SSW	2	om	30.05	- .17	62	60	+ 1	SSW	3	om	1	70	68	-	
Mullaghmore ...	30.17	68	SSE	1	o	30.07	- .16	62	58	0	SSE	5	cm	2	70	59	0.02	
Belmullet ...	30.16	66	S	3	c	30.03	- .19	63	58	+ 1	S	4	o	*	69	58	0.03	
Donaghadee ...	30.23	61	SSW	2	bc	30.08	- .15	64	59	+ 4	SW	4	c	2	64	58	-	
GERMANY.																		
Barrow-in-Furness	30.23	69	NW	1	bc	30.19	- .12	61	59	+ 2	SE	3	bc	*	72	58	-	
Liverpool (Bidston)	30.26	68	NW	1	o	30.21	- .12	66	58	+ 2	SE	2	bm	2	76	55	-	
Holyhead ...	30.26	63	Z	0	cm	30.20	- .11	64	60	- 3	Z	0	bm	0	71	55	-	
Parsonstown ...	30.24	68	Z	0	o	30.14	- .13	62	59	- 2	SSE	1	o	*	73	59	-	
Valencia ...	30.16	67	SE	3	bc	30.09	- .13	64	60	0	SSE	5	om	4	67	60	-	
Roche's Point...	30.22	65	S	2	c	30.14	- .14	67	62	+ 2	SSE	3	b	3	69	60	-	
Pembroke ...	30.25	62	Z	0	c	30.20	- .11	62	62	+ 1	ESE	3	m	3	67	56	-	
Scilly ...	30.21	65	ESE	4	c	30.12	- .13	65	65	0	ESE	5	b	4	69	59	-	
Prawle Point ...	30.24	60	NE	4	bc	30.19	- .13	65	60	+ 1	ENE	5	b	5	69	59	-	
Jersey ...	30.21	67	ENE	4	bc	30.17	- .12	65	60	0	ENE	8	bm	3	75	58	-	
FRANCE & NETHERLANDS.																		
Hurst Castle ...	30.27	68	ESE	2	b	30.23	- .12	62	59	- 1	ENE	2	b	2	72	52	-	
Dungeness ...	30.27	62	E	5	b	30.21	- .13	64	61	+ 2	E	5	bc	3	68	58	-	
London ...	30.30	65	E	2	bc	30.25	- .11	63	58	0	Z	0	c	*	76	50	-	
Oxford ...	30.28	64	SE	3	b	30.25	- .11	61	59	- 1	E	1	b	*	77	50	-	
Cambridge ...	30.31	68	NE	1	b	30.26	- .11	63	59	0	E	1	c	*	78	46	-	
Yarmouth ...	30.32	62	SE	3	b	30.27	- .10	62	59	+ 1	SE	3	b	2	64	58	-	
Cuxhaven ...	30.34	59	NNW	2	b	30.30	+ .01	61	58	0	NNE	1	b	*	?	59	-	
Berlin ...	30.26	64	N	3	b	30.30	+ .07	61	56	+ 4	NW	2	b	*	70	54	-	
Wiesbaden ...	*	*	*	*	*	30.29	- .04	63	56	+ 3	NE	2	b	*	72	53	-	
Munich ...	30.29	56	NE	2	b	30.29	- .01	58	57	+ 3	E	5	b	*	66	43	-	
NETHERLANDS.																		
The Helder ...	30.33	61	NE	3	b	30.31	- .06	62	58	+ 2	ESE	1	bc	1	66	59	-	
BRUSSELS.																		
Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Cape Gris Nez...	30.27	63	NE	7	b	30.24	- .10	62	55	+ 3	ESE	4	b	2	68	52	-	
Paris ...	30.19	71	NE	3	b	30.18	- .11	58	52	+ 1	NE	3	b	*	75	50	-	
Brest ...	30.18	68	E	5	bc	30.10	- .18	63	58	+ 1	ENE	4	b	2	79	52	-	
FRANCE.																		
Lorient ...	30.15	70	N	3	b	30.13	- .13	61	56	+ 2	E	3	bc	2	74	59	-	
Rocheport ...	30.11	76	E	7	b	30.08	- .13	61	58	+ 1	ENE	7	b	2	84	55	-	
Belfort ...	30.13	69	NE	3	b	30.14	- .07	63	53	0	NE	5	b	*	75	59	-	
Lyons ...	30.04	73	N	1	b	30.10	- .06	61	54	+ 3	NNE	1	b	*	75	52	-	
Nice ...	29.96	76	SW	3	c	30.02	+ .03	75	66	0	E	1	m	1	84	66	-	
SPAIN.																		
Perpignan ...	29.97	78	E	3	b	30.02	- .04	73	69	+ 1	Z	0	b	*	88	61	-	
Biarritz ...	29.97	78	NE	5	b	29.98	- .14	66	62	+ 2	SSW	3	o	0	79	64	-	
PORTUGAL.																		
Corunna ...	*	*	*	*	*	30.01	?	62	61	- 11	NNW	1	f	2	84	59	-	
Lisbon ...	29.94	69	NNW	7	b	30.00	+ .01	65	62	- 6	N	5	o	2	86	63	-	

For Explanation of Columns, see p. 4.



# WEATHER

# CHARTS

for 8 a.m. on

Friday

5<sup>th</sup> August

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

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

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

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Samburgh Head	29.808
Stornoway	29.800
Wick	29.822
Nairn	29.820
Aberdeen	29.835
Leith	29.852
Shields	29.870
York	29.905
Ardrossan	29.856
Donaghadee	29.808
Holyhead	29.893
Liverpool	29.898
Valencia	29.908
Rocha's Point	29.908
Pembroke	29.910
Seilly	29.951
Hurst Castle	29.949
Dover	29.945
LONDON	29.918
Oxford	29.929
Cambridge	29.929
Yarmouth	29.928



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

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

**Weather** — is shown by Letters of the Beaufort Scale.

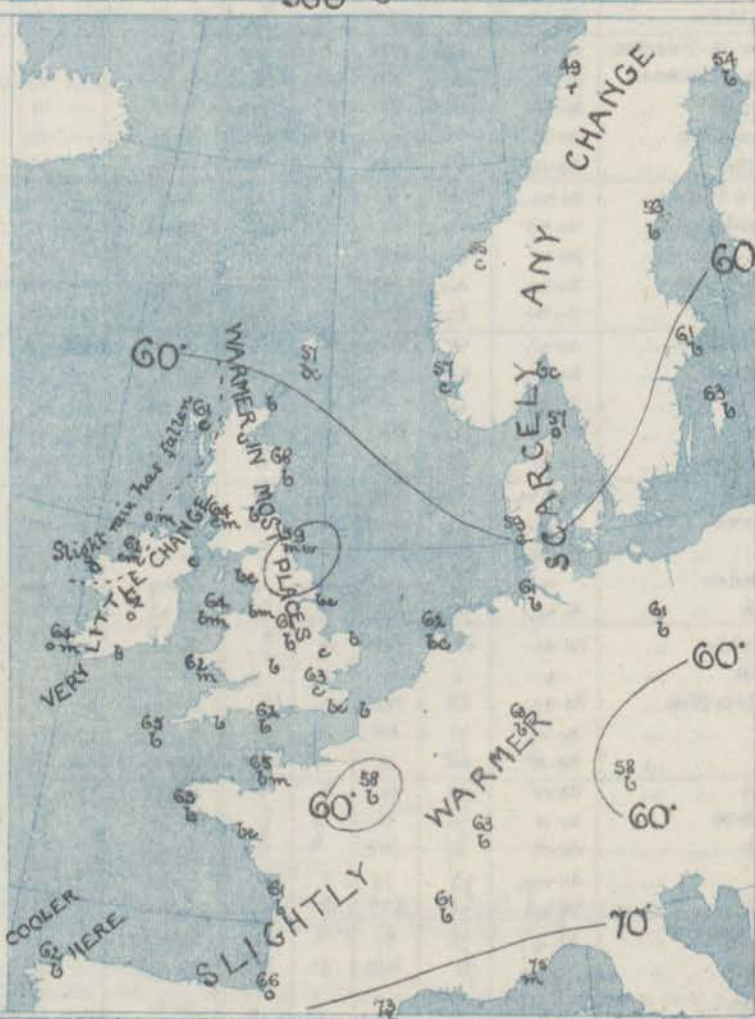
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August

STATIONS	TEMPERATURE				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	58.3	48.8	54.1	52.4	3.21
Stornoway	58.5	40.2	55.8	53.9	3.57
Wick	61.3	48.7	55.6	53.6	2.35
Nairn	63.6	50.6	56.0	53.1	2.81
Aberdeen	63.0	50.7	56.8	53.9	3.13
Leith	66.3	52.2	58.1	55.2	2.62
Shields	63.7	53.2	58.0	55.3	2.81
York	68.2	51.8	58.7	56.0	2.47
Ardrossan	62.7	54.0	57.8	55.0	4.08
Donaghadee	61.2	52.6	57.3	55.9	2.99
Holyhead	65.2	55.7	58.9	56.9	2.80
Liverpool	66.3	54.7	59.2	56.1	2.79
Valencia	65.4	54.7	59.8	57.1	4.65
Rocha's Point	67.5	54.7	59.4	56.8	3.59
Pembroke	64.4	56.4	59.4	57.1	2.91
Seilly	65.4	57.8	61.3	59.3	2.45
Hurst Castle	67.9	56.8	61.7	59.8	2.31
Dover	67.3	58.2	63.3	59.6	2.06
LONDON	72.3	64.2	61.9	58.5	2.20
Oxford	69.6	63.9	59.8	57.3	2.33
Cambridge	71.9	62.8	60.7	57.9	2.25
Yarmouth	66.9	55.7	61.4	58.5	2.17

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.3 in. and upwards, in a large anticyclonic band lying over the Netherlands, North Germany and the eastern portions of the North Sea. Lowest, 30.0 in. & less, over the Iberian Peninsula; relatively low, 30.1 in. and less, to the westward of our islands.
TEMPERATURE	Highest, 75° at Nice, 73° at Perpignan, 68° at Bordeaux, 67° at Havre and Rocher Point and 66° at Biarritz and Lisbon. Lowest, 49° at Boko, 54° at Haparanda, 55° at Christiansund, 56° at Hermand and 57° at St. Helens, Hagen & Wismar, <sup>Frankfurt</sup> <sup>London</sup> . The highest maxima registered yesterday were 81° at Scarborough, 79° at York, 76° at Cambridge, 77° at Oxford & 76° at Liverpool and London.
WIND	Light to fresh from E. or NE. over France and the southern parts of England and Germany. SE <sup>4</sup> or S <sup>4</sup> at all our more western and northern stations. Light from the NW <sup>1</sup> on the eastern shores of the North Sea.
WEATHER	Fine generally, but dull in the west of Ireland as well as at Biarritz and Lisbon. [Solar or lunar halos were seen yesterday in many parts of England.]
SEA	Rather rough at Prawle Point and moderate on our Southwest Coast generally, but slight or smooth <sup>elsewhere</sup> .



## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Although the barometer continues to fall generally, there is at present no sign of the advance of any depression, and fair weather is therefore likely to continue in most districts.

## FORECASTS

For the 24 hours ending at NOON on 6<sup>th</sup> August 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S <sup>2</sup> winds, moderate; fair generally.	6 SCOTLAND WEST	SE <sup>4</sup> winds, light or moderate; fair generally.
1 SCOTLAND EAST	-----D-----D-----D-----	7 ENGLAND N. W.	-----D-----D-----D-----
2 ENGLAND N. E.	SE <sup>2</sup> winds, light or moderate; fine, warm.	8 ENGLAND S. W.	E <sup>4</sup> and SE <sup>2</sup> winds, fresh; fair generally.
3 ENGLAND EAST	-----D-----D-----D-----	9 IRELAND NORTH	SE <sup>2</sup> and S <sup>4</sup> winds, fresh; cloudy, some rain in west.
4 MIDLAND COUNTIES	-----D-----D-----D-----	10 IRELAND SOUTH	-----D-----D-----D-----
5 ENGLAND SOUTH	E <sup>2</sup> winds, fresh; 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.		
Skudeenaes ...	30.31	60	84	NW	4	bc	2	Holyhead ...	30.30	69	61	SW	1	bcw	1
Sumburgh Head ...	30.27	56	84	SSE	1	0	1	Valencia ...	30.21	67	60	SE	3	on	3
Stornoway ...	30.19	64	60	SW	3	c	3	Scilly ...	30.24	67	65	ESE	5	c	3
Aberdeen ...	30.26	66	60	S	4	b	1	Dungeness ...	30.31	66	62	E	5	b	3
Shields ...	30.29	61	88	E	2	bcw	2	London ...	30.33	71	62	ESE	3	b	*
Ardrossan ...	30.26	66	59	Z	0	0	0	Yarmouth ...	30.36	63	88	SE	3	b	2
Malin Head ...	30.19	68	64	SSW	1	0	0	Jersey ...	30.25	70	62	ENE	4	bc	3
Mullaghmore ...	30.20	67	59	SE	2	on	2	Rochefort ...	?	84	71	ENE	5	b	2
Belmullet ...	30.19	66	64	SSW	3	0	*								

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

Yesterday morning's reports showed that the anticyclone noticed on Wednesday was moving very slowly in an easterly direction, and spreading northeastwards over the Baltic, and that pressure varied from 30.3 in: and more over Great Britain, the Netherlands and North Sea to about 29.9 in: over the Black Sea and Balkan Peninsula. Thus, while light to moderate NE and E breezes prevailed over France, the Channel and Bay of Biscay, S winds were felt along our western coasts, SW and W in the far north; and NW to N over the Baltic and eastern shores of the North Sea. The weather was fair except in some parts of Southern and Southeastern Europe and on the southern shores of the Baltic, where thin showers had prevailed. Temperature had fallen over Germany, France and some parts of England, and ranged from 86° in some part of Algeria and between 45° and 85° over the Mediterranean to about 50° in Lapland. It was lower over central France and North Germany than in the surrounding region. The highest individual readings were 86° at Trieste, 84° at Algiers, 83° at Barcelona, 82° at Cagliari and Malta, 77° at Naples, Brindisi and Cetta; the lowest 50° at Rodø, 51° at Sumburgh Head, 55° at Haparanda, Christiansund, and Naini, and 57° at Shields.

Later in the day the E wind freshened decidedly in the south, and the barometer fell in all parts of the British Isles, France and Spain — most in the latter countries, and the depression continued to move slowly eastward, and to decrease in intensity.

### 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 6<sup>th</sup> August 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.		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 ..	30.19	48	Z	0	b	30.23	+ .11	57	52	+ 3	SE	2	bc	*	61	39	—	In.
Hernösand ...	30.26	53	Z	0	b	30.28	+ .03	55	50	— 1	S	2	b	*	72	52	—	
Stockholm ...	30.26	59	E	2	c	30.28	+ .03	60	50	— 1	ENE	2	b	*	72	52	—	
Wisby ...	30.21	60	NE	2	b	30.21	.00	61	52	+ 1	ESE	2	b	*	72	52	—	
Bodö ...	30.23	52	Z	0	c	30.11	— .13	50	53	+ 7	SE	2	bc	1	72	46	—	
Christiansund...	30.17	56	ENE	1	b	30.06	— .20	62	57	+ 7	ESE	2	c	1	63	50	—	
Skudesnaes ...	30.23	58	W	1	c	30.18	— .12	60	57	+ 3	SSE	4	c	3	64	57	—	
Christiania Fjord (Fjord)	30.20	59	SSE	2	c	30.20	— .03	60	56	0	SSE	3	0	2	63	57	—	
Skagen (The Scaw)	30.22	55	W	1	b	30.23	— .02	60	55	+ 3	W	1	0	1	64	54	—	
Faao ...	30.23	52	NNW	1	b	30.22	— .04	60	57	+ 1	SSE	2	b	*	63	50	—	
BRITISH ISLANDS.																		
Sumburgh Head	30.01	57	SSE	2	0	29.94	— .18	55	54	— 2	Z	0	0	1	62	52	0.06	
Stornoway ...	29.92	64	SW	6	0	29.97	— .05	55	54	— 6	NE	3	d	3	65	53	0.04	
Wick ...	30.00	65	W	1	0	29.95	— .13	60	59	— 5	Z	0	r	0	71	55	0.05	
Nairn ...	30.01	70	Z	0	c	29.99	— .11	60	58	— 7	Z	0	r	1	71	57	0.08	
Aberdeen...	30.09	62	SSW	2	c	30.04	— .13	62	57	— 6	SW	1	om	0	71	57	—	
Leith ...	30.08	67	SE	1	mv	30.03	— .16	62	57	— 3	Z	0	mv	*	74	60	—	
Shields ...	30.11	65	SE	2	0	30.07	— .14	61	57	+ 2	SSW	2	0	2	68	57	—	
Spurn Head ...	30.19	62	SE	4	b	30.14	— .14	63	62	+ 1	SE	3	bc	3	64	59	—	
York ...	30.15	74	S	1	bc	30.12	— .13	63	58	+ 4	SE	1	b	*	78	53	—	
Loughborough	30.14	77	ESE	2	c	30.14	— .13	64	60	+ 3	Z	0	0	*	82	53	—	
ARROSSAN																		
Malin Head ...	30.07	64	S	1	om	30.03	— .14	60	59	— 4	SW	2	rmv	1	70	68	0.01	
Mullaghmore ...	29.99	69	S	2	om	29.90	— .15	56	56	— 6	S	4	or	2	69	66	0.25	
Belmullet ...	29.99	70	S	2	om	29.92	— .15	59	57	— 3	SSE	5	r	3	71	57	0.53	
Donaghadee ...	29.98	65	SW	3	0	29.88	— .15	60	60	— 3	S	6	r	*	67	57	1.23	
Barrow-in-Furness	30.08	64	SW	3	c	30.02	— .16	59	59	— 5	S	2	0	0	69	57	0.04	
Liverpool (Bidston)	30.10	69	NW	1	c	30.05	— .11	63	63	+ 2	ESE	2	0	*	74	60	—	
Holyhead ...	30.11	75	SSE	1	0	30.09	— .12	64	58	— 2	SE	1	0	2	80	59	—	
Parsonstown ...	30.12	66	SSW	1	cm	30.07	— .13	64	59	0	SW	2	cm	1	73	61	—	
Valencia ...	30.05	72	Z	0	c	30.00	— .14	61	59	— 1	S	1	r	*	75	61	0.03	
Roche's Point...	30.02	64	SSE	4	om	29.95	— .14	64	63	0	SSE	5	om	5	66	61	0.16	
Pembroke ...	30.08	65	ESE	2	0	30.03	— .11	64	62	— 3	S	2	c	3	70	63	—	
Scilly ...	30.13	63	ESE	2	c	30.09	— .11	62	61	0	SE	3	0	3	68	59	—	
Prawle Point ...	30.10	65	ESE	4	0	30.07	— .05	66	64	+ 1	ESE	2	c	4	70	60	—	
Jersey ...	30.15	63	ENE	4	bc	30.10	— .09	69	61	+ 4	ENE	2	bc	1	71	56	—	
Hurst Castle ...	30.11	72	ENE	3	b	30.09	— .08	68	61	+ 3	Z	0	cm	0	79	60	0.01	
Dungeness ...	30.15	68	ENE	2	b	30.11	— .12	69	63	+ 7	ENE	2	b	1	75	54	—	
London ...	30.13	65	E	4	b	30.11	— .10	67	65	+ 3	ENE	1	bc	1	69	60	—	
Oxford ...	30.16	69	E	3	bc	30.13	— .12	66	62	+ 3	E	1	bc	*	76	55	—	
Cambridge ...	30.15	67	ESE	1	c	30.13	— .12	61	57	0	Z	0	bm	*	76	51	—	
Yarmouth ...	30.17	72	SE	1	c	30.13	— .13	66	62	+ 3	E	1	bc	*	80	49	—	
GERMANY.																		
Cuxhaven ...	30.21	64	ESE	4	b	30.15	— .12	66	63	+ 4	SE	2	b	2	66	61	—	
Berlin ...	30.29	60	NNE	2	b	30.28	— .05	63	59	+ 2	SSE	1	b	*	64	59	—	
Wiesbaden ...	30.25	68	Z	0	c	30.30	.00	64	58	+ 3	NE	2	b	*	73	59	—	
Munich ...	*	*	*	*	*	30.27	— .02	64	54	+ 1	E	2	b	*	77	55	—	
FRANCE & NETHERLANDS.																		
The Helder ...	30.26	57	NE	2	b	30.30	+ .01	59	52	+ 1	E	6	b	*	68	43	—	
BRUSSELS.																		
Brussels ...	30.22	64	ENE	3	b	30.19	— .12	66	61	+ 4	ESE	1	b	1	66	61	—	
Cape Gris Nez...	*	*	*	*	*	30.16		67	61		SE	1	b	*	79	55	—	
Paris ...	30.14	66	NE	5	b	30.11	— .13	70	61	+ 8	ENE	1	bc	0	72	61	—	
Brest ...	30.08	45	NE	3	b	30.11	— .07	61	55	+ 3	NE	1	b	*	81	63	—	
Lorient ...	30.10	75	ENE	4	b	30.08	— .02	?	59	?	E	?	?	3	82	57	—	
ROCHEFORT.																		
Rochefort ...	30.09	67	NE	3	b	30.09	— .04	63	59	+ 2	SE	1	bc	2	82	59	—	
Belfort ...	30.05	75	N	3	b	30.08	.00	64	60	+ 3	NE	3	bc	1	82	54	—	
Lyons ...	30.09	73	E	3	b	30.17	+ .08	66	57	+ 3	E	5	b	*	80	53	—	
Nice ...	29.99	78	NNE	1	b	30.10	.00	70	64	+ 9	N	1	b	*	82	62	—	
PERPIGNAN.																		
Perpignan ...	30.03	73	W	1	c	30.12	+ .10	71	64	— 4	E	3	bc	2	82	66	—	
BIARRITZ.																		
Biarritz ...	30.00	76	SE	3	0	30.09	+ .07	72	71	— 1	Z	0	b	*	83	66	—	
CORUNNA.																		
Corunna ...	29.98	76	NE	3	b	30.00	+ .02	73	68	+ 7	Z	0	b	0	79	?	—	
LISBON.																		
Lisbon ...	29.98	66	NNW	7	b	29.98	— .02	64	62	— 2	NNE	1	f	2	73	59	—	
						29.98		64	62		NNE	3	c	2	75	61	—	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Saturday 6<sup>th</sup> August 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.

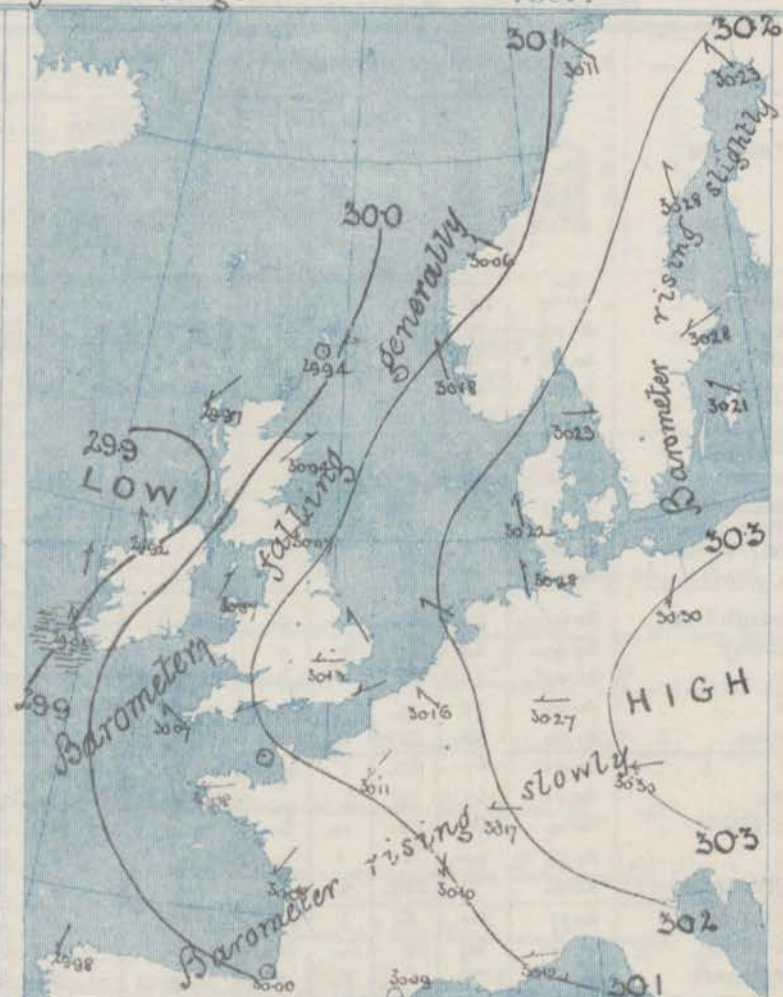
**Sea Disturbance** — where considerable is shown thus

■ — Rough. ■ — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.806
Stornoway	29.800
Wick	29.822
Nairn	29.829
Aberdeen	29.835
Leith	29.852
Shields	29.876
York	29.905
Ardrossan	29.856
Donaghadee	29.868
Holyhead	29.893
Liverpool	29.898
Valencia	29.908
Roche's Point	29.908
Pembroke	29.910
Scilly	29.951
Hurst Castle	29.949
Dover	29.945
LONDON	29.913
Oxford	29.929
Cambridge	29.929
Yarmouth	29.928



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

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

**Weather** — is shown by Letters of the Beaufort Scale.

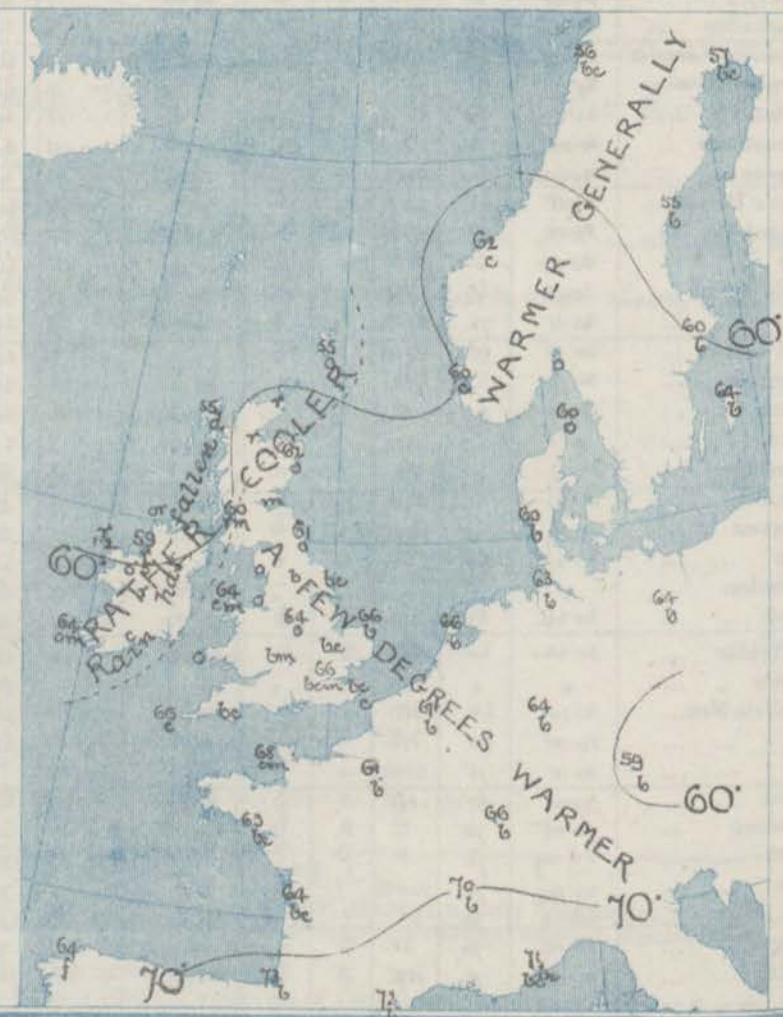
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	58.3	48.8	54.1	52.4	3.21
Stornoway	58.5	49.2	55.8	53.9	3.67
Wick	61.3	48.7	55.6	53.6	2.35
Nairn	63.6	50.6	56.0	53.1	2.81
Aberdeen	63.0	50.7	56.8	53.9	3.13
Leith	66.3	52.2	58.1	55.2	2.62
Shields	63.7	53.2	58.0	55.3	2.81
York	68.2	51.8	58.7	56.0	2.47
Ardrossan	62.7	54.0	57.8	55.0	4.08
Donaghadee	61.2	52.6	57.3	55.9	2.99
Holyhead	65.2	55.7	58.9	56.9	2.89
Liverpool	66.3	54.7	59.2	56.1	2.79
Valencia	65.4	54.7	59.8	57.1	4.05
Roche's Point	67.5	54.7	59.4	56.8	3.59
Pembroke	64.4	56.4	59.4	57.1	2.91
Scilly	65.4	57.8	61.3	59.3	2.45
Hurst Castle	67.9	56.8	61.7	59.8	2.31
Dover	67.3	58.2	63.3	59.6	2.06
LONDON	72.3	54.2	61.9	58.5	2.20
Oxford	69.6	53.9	59.8	57.3	2.33
Cambridge	71.9	52.8	60.7	57.9	2.25
Yarmouth	66.9	55.7	61.4	58.5	2.17

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, in an anticyclone lying over Germany.  
Lowest, 29.9 in. and less, in a depression lying off the west and north of Ireland.  
The barometer continues to fall over the whole of the United Kingdom as well as in Norway and the north of France.

## TEMPERATURE

Highest, 75° at Thice, 73° at Biarritz, 70° at Cape Gris Nez, 69° at Hawle Point and Hurst Castle and 67° at Dungeness.  
Lowest, 55° at Hemsund, Lumburgh Head and Stormoway, 56° at Bodø and Malin Head and 57° at Haparanda.  
[The highest maxima registered over England yesterday were 82° at Bournemouth and 80° at Liverpool & Cambridge.]

## WIND

Calm in the north and east of Scotland, light from E. or N.E. over Germany, France and the south of England.  
S.E. or S. elsewhere; fresh or strong in force in the west of Ireland.

## WEATHER

Fine at the English and nearly all the Continental Stations.  
Raining in Ireland and the west and north of Scotland.  
[Since yesterday morning 1.2 in. of rain has fallen at Belmullet and 0.5 in. at Mullaghmore.]

## SEA

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

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the anticyclone moves away the low pressure system in the west will probably extend slowly E. <sup>or N.E.</sup>, but the weather over our eastern and southern districts is not likely to be affected at present.

## FORECASTS

For the 24 hours ending at NOON on 7<sup>th</sup> August 1887.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	Variable or S <sup>4</sup> winds; dull, some rain.
1	SCOTLAND EAST	.....D.....D.....D.....
2	ENGLAND N.E.	S <sup>3</sup> winds, light; fair to cloudy & unsettled.
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	Same as N° 5.
5	ENGLAND SOUTH	E <sup>4</sup> and S.E. winds, light; fair, warm.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	S <sup>4</sup> and S.W. winds, light; dull, some rain.
7	ENGLAND N.W.	.....D.....D.....D.....
8	ENGLAND S.W.	Same as N° 3 to 5.
9	IRELAND NORTH	S.E. to S.W. winds, moderate; dull, some rain.
10	IRELAND SOUTH	.....D.....D.....D.....

### WARNINGS

NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	30.27	64	55	W 2	c	2	Holyhead ...	30.25	72	59	SW 1	cm	1
Sumburgh Head ...	30.07	61	58	SSE 2	c	2	Valencia ...	30.07	63	63	SSE 4	om	4
Stornoway ...	29.96	63	60	SW 5	cg	5	Scilly ...	30.13	69	67	ESE 5	c	4
Aberdeen ...	30.18	69	60	S 3	b	0	Dnngeness ...	30.18	68	66	E 5	b	4
Shields ...	30.15	62	59	E 2	mv	2	London ...	30.20	70	61	ESE 3	b	*
Ardrossan ...	30.12	66	60	SSW 1	c	0	Yarmouth ...	30.25	66	61	ESE 3	b	2
Malin Head ...	30.02	68	68	S 4	o	1	Jersey ...	30.13	76	63	ESE 3	b	3
Mullaghmore ...	30.04	71	60	SSW 5	om	2	Rocheport ...	30.07	87	75	NE 4	b	2
Belmullet ...	30.03	66	60	SW 4	o	*							

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

The reports for yesterday morning showed that pressure over Europe and the British Isles ranged from 30.3 in. and more over the Netherlands and eastern parts of the North Sea, and from 30.1 in. and more, over the whole of Great Britain, the North Sea, Scandinavia, North Germany, and France to about 29.9 in. over Southern Russia, the Dardanelles, Malta, and Southern Algeria, and to 30.09 in. at Valencia. Thus, while E<sup>3</sup> and NE<sup>3</sup> winds prevailed in Germany and France, SE<sup>3</sup> to S<sup>3</sup> breezes were felt in the British Islands, and light N<sup>3</sup> breezes over the Baltic and Gulf of Bothnia. The weather was fine almost everywhere, but a little rain had fallen overnight in the west of Ireland, and thunderstorms in the south of France and extreme north of Germany. Temperature varied from between 77° and 85° over the Mediterranean, to slightly below 50° in the north of Norway and was low (locally) over Central France. The highest individual values were 90° at Palma, 84° to 85° at several of the Algerian stations and Bilbao, 81° at Brindisi, Cagliari, Palermo, Malta and Constantinople, 75° at Livorno and Legna, and 73° at Rome and Naples; the lowest 43° at Rode, 52° at Archangel, Uleaborg and Kuopio, and 57° at Hangö, Skudesnaes and Sumburgh Head.

During the day the barometer fell slowly in the west and northwest, and heavy rain set in at many of the Irish stations.

### EXPLANATION OF COLUMNS GIVEN ON PAGE I.

**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 7<sup>th</sup> August

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.	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.)			Inc.	Diff. from 8 a.m. yesterday.	Dry.	Wet.	Diff. from 8 a.m. yesterday.	Dir.			Force. (0 to 12.)	Max.		Min.
SCANDINAVIA.																		
Haparanda ...	30.15	50	Z	0	b	30.12	Inc. .11	57	55	0	SE	4	b	*	62	57	Inc.	
Hernösand ...	30.17	52	Z	0	b	30.07	— .21	57	54	+ 2	S	2	bc	*	64	45	—	
Stockholm ...	30.21	57	—	2	b	30.12	— .16	66	59	+ 6	L	2	b	*	72	50	—	
Wisby ...	30.19	60	SSE	1	b	30.09	— .12	64	61	0	SE	2	c	*	73	54	—	
Bodö ...	30.06	57	Z	0	o	29.96	— .15	57	54	+ 1	Z	0	o	0	59	50	—	
Christiansund...	30.04	58	ESE	3	o	29.85	— .21	57	54	— 5	ESE	1	o	1	63	54	—	
Skudesnaes ...	30.09	59	SSE	4	o	29.75	— .13	60	56	0	SE	6	r	1	61	59	—	
Christiania Fjord (Færder) ...	30.12	60	SSW	3	o	29.98	— .22	61	60	+ 1	SW	2	r	1	63	59	—	
Skagen (The Scaw)	30.18	62	SSW	1	o	29.96	— .27	63	61	+ 3	SSW	1	o	1	66	59	—	
Fanö ...	30.18	61	SSE	4	c	29.93	— .29	67	63	+ 7	S	4	c	*	72	59	—	
BRITISH ISLANDS.																		
Sumburgh Head	29.94	56	Z	0	o	29.60	— .34	53	53	— 2	NNW	1	r	0	61	51	0.47	
Stornoway ...	29.87	58	SW	1	o	29.90	— .07	55	52	0	SW	1	o	2	59	50	0.40	
Wick ...	29.88	60	S	1	o	29.80	— .15	55	54	— 5	NW	5	c	2	68	53	0.20	
Nairn ...	29.87	62	W	1	c	29.84	— .15	59	57	— 1	W	4	o	2	67	56	0.18	
Aberdeen...	29.95	59	S	2	r	29.79	— .25	62	57	0	NW	6	bc	1	67	53	0.41	
Leith ...	29.96	61	Z	0	r	29.90	— .13	62	56	0	NW	4	b	*	65	56	0.41	
Shields ...	29.98	68	E	1	op	29.91	— .16	64	59	+ 3	W	5	bc	2	75	59	—	
Spurn Head ...	30.00	65	SE	4	bc	29.98	— .16	65	62	+ 2	W	5	bc	2	69	61	—	
York ...	29.99	79	S	1	c	30.00	— .12	66	58	+ 3	W	4	b	*	82	60	—	
Loughborough	30.01	81	SSW	3	c	30.05	— .09	64	61	0	WNW	3	o	*	86	60	—	
Ardrossan ...	29.91	59	SSW	3	r	30.02	— .01	62	55	+ 2	WNW	4	b	3	65	52	0.06	
Malin Head ...	29.76	60	S	3	or	30.06	+ .16	57	53	+ 1	WNW	3	bc	3	61	54	0.69	
Mullaghmore ...	29.80	63	SW	6	r	30.14	+ .22	58	55	— 1	W	5	c	5	65	55	0.71	
Belmullet ...	29.80	60	NW	3	o	30.17	+ .29	60	55	0	W	3	bc	*	63	52	0.88	
Donaghadee ...	29.89	60	W	3	o	30.10	+ .08	59	54	0	NW	5	b	3	63	54	0.19	
GERMANY.																		
Barrow-in-Furness	29.99	67	NW	1	o	30.03	— .03	59	59	— 4	NW	5	c	*	72	58	0.02	
Liverpool (Bidston)	30.00	68	W	1	o	30.08	— .01	60	56	— 4	W	6	c	4	79	60	—	
Holyhead ...	30.00	63	SSW	3	c	30.12	+ .05	59	54	— 5	NW	5	c	4	69	56	—	
Parsonstown ...	29.96	64	S	1	r	30.11	+ .11	58	53	— 3	NW	1	b	*	72	49	0.09	
Valencia ...	29.93	65	SW	5	om	30.24	+ .29	61	55	— 3	N	3	b	3	67	54	0.06	
Roche's Point...	29.99	66	SW	3	c	30.18	+ .16	58	54	— 6	N	4	b	3	69	55	—	
Pembroke ...	30.05	69	SSW	3	c	30.15	+ .06	60	58	— 2	N	3	c	2	67	58	—	
Scilly ...	30.06	70	SSW	2	bm	30.13	+ .06	66	66	0	WNW	2	fd	?	71	?	—	
Prawle Point ...	30.08	68	ENE	1	b	30.13	+ .03	68	63	— 1	WNW	4	b	3	75	58	—	
Jersey ...	30.06	79	NNW	1	bm	30.13	+ .04	75	60	+ 7	NW	1	bm	1	83	57	—	
Hurst Castle ...	30.08	71	SW	1	bc	30.12	+ .01	66	59	— 3	W	2	bc	1	78	55	—	
Dungeness ...	30.05	69	ENE	2	b	30.08	— .03	68	65	+ 1	NW	2	bc	1	80	57	—	
London ...	30.02	80	SSW	2	bc	30.09	— .04	68	58	+ 2	SW	2	c	*	87	56	—	
Oxford ...	30.04	74	SSW	1	b	30.08	— .05	66	61	+ 5	W	2	c	*	84	57	—	
Cambridge ...	30.07	78	SE	1	b	30.06	— .07	72	68	+ 6	W	2	c	*	89	54	—	
Yarmouth ...	30.08	68	SSE	2	b	30.00	— .15	69	60	+ 3	WNW	3	b	2	70	59	—	
Cuxhaven ...	30.20	66	S	1	b	30.06	— .22	61	59	— 2	S	2	c	*	74	59	—	
Berlin ...	30.23	70	Z	0	b	30.16	— .14	68	59	+ 4	SW	3	c	*	77	59	—	
Wiesbaden ...	*	*	*	*	*	30.17	— .10	63	55	— 1	Z	0	b	*	81	54	—	
Munich ...	30.28	59	NE	3	b	30.28	— .02	60	56	+ 1	W	1	b	*	72	45	—	
FRANCE & NETHERLANDS.																		
The Helder ...	30.10	70	ESE	1	b	29.99	— .20	68	63	+ 2	SW	1	bc	1	75	61	—	
Brussels ...	*	*	*	*	*	30.08	— .03	67	60	— 3	S	1	b	0	75	63	—	
Cape Gris Nez...	30.05	54	N	1	c	30.08	— .03	67	60	— 3	S	1	b	0	75	63	—	
Paris ...	30.06	79	SE	1	b	30.12	+ .01	65	59	+ 4	SSW	1	b	*	87	56	—	
Brest ...	30.06	64	NW	4	b	30.13	+ .05	64	58	0	NW	1	b	2	82	55	—	
Lorient ...	30.05	73	NW	4	b	30.14	+ .05	67	56	+ 4	NE	3	b	2	81	61	—	
Rochefort ...	30.07	71	NW	4	b	30.13	+ .05	68	66	+ 4	SSE	4	b	2	88	63	—	
Belfort ...	*	*	*	*	*	30.17	+ .08	75	72	+ 3	Z	0	b	*	81	64	—	
Lyons ...	30.07	79	SSE	1	bc	30.14	— .09	70	64	0	S	1	b	*	87	63	—	
Nice ...	30.13	73	SW	1	b	30.23	+ .11	73	67	+ 2	Z	0	m	0	82	64	—	
Perpignan ...	30.09	76	SE	1	b	30.17	+ .08	75	72	+ 3	Z	0	b	*	81	64	—	
Biarritz ...	30.00	78	NE	4	b	30.06	+ .06	78	70	+ 5	S	3	b	0	82	?	—	
Corunna ...	*	*	*	*	*	30.17	+ .11	69	66	+ 5	NNE	1	f	2	79	59	—	
Lisbon ...	29.91	73	NW	5	b	29.95	— .03	65	65	+ 7	NNE	4	b	2	84	?	—	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

Sunday

7<sup>th</sup> August

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.

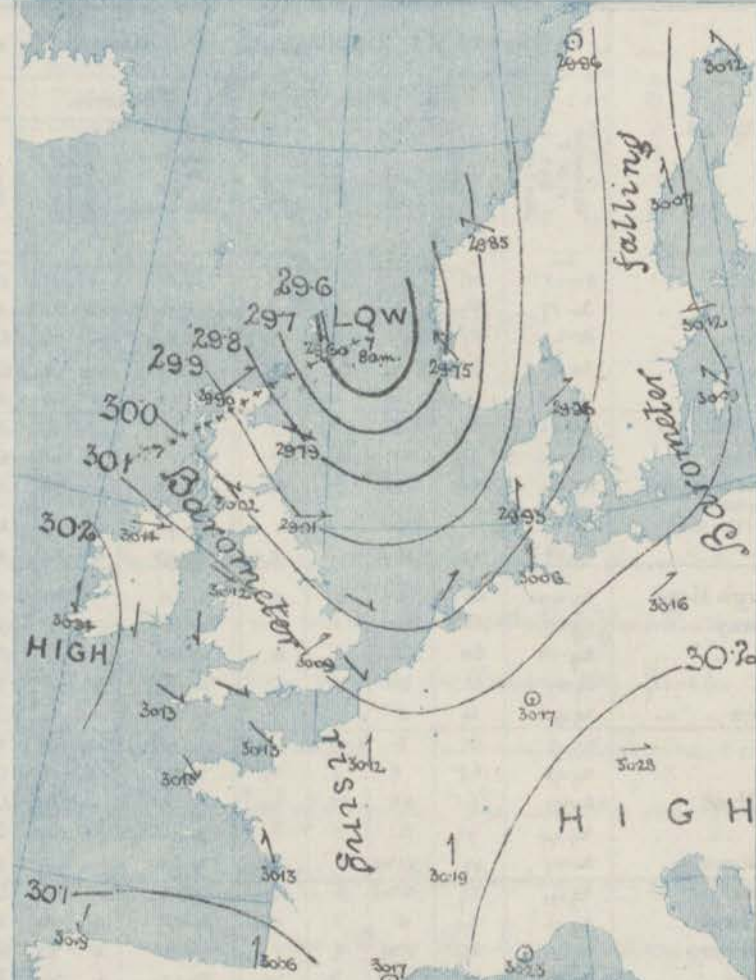
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.806
Stornoway	29.800
Wick	29.822
Nairn	29.829
Aberdeen	29.835
Leith	29.852
Shields	29.878
York	29.906
Ardrossan	29.856
Donaghadee	29.868
Holyhead	29.893
Liverpool	29.898
Valencia	29.908
Roche's Point	29.908
Pembroke	29.910
Selly	29.951
Hurst Castle	29.949
Dover	29.945
LONDON	29.913
Oxford	29.929
Cambridge	29.929
Yarmouth	29.928



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

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

**Weather** is shown by Letters of the Beaufort Scale.

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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.	At 8 p.m.	
Sumburgh Head	58.3	48.8	54.1	52.4	3.21
Stornoway	58.5	49.2	55.8	53.9	3.57
Wick	61.3	48.7	55.6	53.6	2.35
Nairn	63.6	50.6	58.0	53.1	2.81
Aberdeen	63.0	50.7	56.8	53.0	3.13
Leith	66.3	52.2	58.1	55.2	2.62
Shields	63.7	53.2	58.0	55.3	2.81
York	68.2	51.8	58.7	56.0	2.47
Ardrossan	62.7	54.0	57.8	55.0	4.08
Donaghadee	61.2	52.6	57.3	55.9	2.99
Holyhead	65.2	55.7	58.9	56.9	2.89
Liverpool	66.3	54.7	59.2	56.1	2.79
Valencia	65.4	54.7	59.8	57.1	4.65
Roche's Point	67.5	54.7	59.4	56.8	3.59
Pembroke	64.4	56.4	59.4	57.1	2.91
Selly	65.4	57.8	61.3	59.3	2.45
Hurst Castle	67.9	56.8	61.7	59.8	2.31
Dover	67.3	58.2	63.3	59.6	2.06
LONDON	72.3	54.2	61.9	58.5	2.20
Oxford	69.6	53.9	59.8	57.3	2.33
Cambridge	71.9	52.8	60.7	57.9	2.25
Yarmouth	66.9	55.7	61.4	58.5	2.17

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. in anticyclonic systems lying respectively over Switzerland and the SE. of France and off the SW. of Ireland.  
Lowest, 29.6 ins. and less, in a depression having its centre a little to the eastward of the Shetlands.

### TEMPERATURE

Highest, 78° at Biarritz, 75° at Jersey and L'Epiphan, 73° at Nice, 72° at Cambridge, and 71° at Lisbon.  
Lowest, 53° at Sumburgh H., 55° at Stromsøy, and Wick, and 57° at Haparanda, Helsingfors, Bodø and Christiansund.  
During yesterday the thermometer rose to 86° at Loughboro, 84° in London, and 88° at Cambridge.

### WIND

NW<sup>2</sup> or N<sup>2</sup> on our western and northern coasts, strong in the East of Scotland.  
Light W<sup>2</sup> in the southeast of England; variable in France.  
Light to fresh from S. or SE. on the eastern shores of the North Sea.

### WEATHER

Fair generally, but dull in the extreme north, with rain in the Shetlands and also in the south of Norway.  
Rain fell yesterday in the west and north generally, the largest amounts being 1.1 in. at Alesund, 0.9 in. at Belmullet, 0.7 in. at Malin Head and Mullaghmore, and 0.5 in. at Sumburgh Head.

### SEA

Rather rough at Mullaghmore, but moderate to smooth elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay off our extreme northwest coast yesterday has moved northeastward to the neighbourhood of the Shetlands, and in its rear the barometer is now rising at all our more western stations. There is at present no sign of the advance of any new disturbance.

## FORECASTS

for the 24 hours ending at NOON on 8<sup>TH</sup> AUGUST 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

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	60	56	SSE 14	0	3	Holyhead ...	30.03	67	59	SSW 3	cm	2
Sumburgh Head ...	29.97	60	57	2 0	0	0	Valencia ...	29.94	67	65	SSW 6	0	6
Stornoway ...	29.93	59	58	2 0	09	0	Scilly ...	30.07	71	68	SSE 2	c	4
Aberdeen ...	29.99	65	59	5 3	0	0	Dungeness ...	30.10	79	67	E 1	b	0
Shields ...	30.02	74	64	SSW 2	0	2	London ...	30.07	85	66	SSE 3	b	0
Ardrossan ...	29.97	59	59	SSE 2	r	1	Yarmouth ...	30.12	69	64	SE 2	b	2
Malin Head ...	29.86	59	59	SSW 3	0	1	Jersey ...	30.08	81	68	NNW 1	b	1
Mullaghmore ...	29.85	63	61	S 5	r	3	Rochefort ...	30.10	77	71	NNW 3	b	2
Belmullet ...	29.98	63	60	SW 3	r	*							

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

The reports for yesterday morning showed that pressure exceeded 30.1 ins. in a large high-pressure area, which covered the whole of the Baltic, Scandinavia, Germany and Western Russia, and that over Central Germany, the reading exceeded 30.3 ins. From this region reading decreased in a W<sup>3</sup> direction to 29.9 ins. and less, in the NW. of Ireland, where there was a somewhat complete depression advancing northwards. The wind was E<sup>2</sup> and SE<sup>2</sup> over France and the southern part of the British Isles, where the weather was fine clear and very warm, but was S<sup>3</sup> and SW<sup>2</sup> in the west and north, where the weather was dull, accompanied by very heavy fall of rain in the NW. of Ireland and W. of Scotland. Thunder and lightning had again occurred in the south of France. Temperature ranged from between 77° and 82° over the southern part of the Mediterranean to 51° in Finland and on the shores of the White Sea. The highest individual readings were 82° at Cagliari, 81° at Brindisi, 80° at Malta, 79° at Bilbao and 74° at Madrid; the lowest 50° at Kuopio, 51° at Archangel and Uleaborg, 55° at Helsingfors, Sumburgh Head and Stornoway, and 56° at Rode.

As the day advanced the depression in the northwest moved northwards, and with a veering wind and rising barometer the weather cleared in those regions while the rain spread to Norway. In London the thermometer rose to 87° in the shade and the air was very close.

### 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 8<sup>th</sup> August.* 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.			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 ..	29.94	54	Z	0	b	29.75	- .37	54	50	+ 2	E	4	b	*	66	46	—		
Hernösand ...	29.82	58	Z	0	o	29.62	- .45	58	57	+ 1	E	2	o	*	68	46	0.12		
Stockholm ...	29.86	62	SE	2	r	29.54	- .58	59	55	- 7	W	2	o	*	75	52	0.16		
Wisby ...	29.86	63	SSW	4	o	29.59	- .50	61	56	- 3	W	6	o	*	72	55	—		
Bodö ...	29.69	64	SE	4	b	29.50	- .46	57	54	0	ENE	6	r	3	68	55	0.12		
Christiansund...	29.54	57	ESE	1	o	29.44	- .41	53	51	- 4	WSW	2	r	1	59	50	0.04		
Skudesnaes ...	29.76	55	WNN	8	o	29.61	- .14	55	55	- 5	WNN	6	r	5	61	55	—		
Christiania Fjord (Færdar)	29.59	60	SW	7	bc	29.56	- .42	61	53	0	W	5	c	4	63	59	0.20		
Skagen (The Scaw)	29.69	59	W	7	c	29.69	- .27	58	54	- 5	NW	7	c	5	66	55	0.04		
Fanö ...	29.93	59	WNN	6	c	29.89	- .04	62	58	- 5	NW	6	c	*	72	55	—		
BRITISH ISLANDS.																			
Sumburgh Head	29.82	56	WNN	3	bc	29.52	- .08	53	52	0	WNN	4	o	5	57	51	0.65		
Stornoway ...	29.86	56	W	5	r	29.78	- .12	56	56	+ 1	W	6	r	6	61	53	0.24		
Wick ...	29.90	56	W	6	o	29.70	- .10	56	55	+ 1	NW	6	o	4	66	54	0.02		
Nairn ...	29.87	60	W	3	c	29.79	- .05	62	60	+ 3	W	2	o	1	66	58	0.01		
Aberdeen...	29.96	64	W	1	c	29.78	- .01	66	59	+ 4	W	3	c	1	68	56	0.04		
Leith ...	30.05	62	NW	4	c	29.94	+ .04	61	58	- 1	NW	5	o	*	69	58	—		
Shields ...	30.10	66	W	2	b	29.95	+ .04	63	60	- 1	W	7	o	2	70	58	—		
Spurn Head ...	30.12	65	NE	2	b	30.09	+ .11	62	60	- 3	WSW	5	c	2	71	56	—		
York ...	30.13	69	W	3	b	30.10	+ .10	62	58	- 4	W	4	o	*	75	55	—		
Loughborough	30.17	70	WNN	3	b	30.20	+ .16	63	57	- 1	W	3	c	*	76	50	—		
Ardrossan ...	30.11	62	W	4	c	30.03	+ .01	61	59	- 1	WSW	4	o	3	64	57	—		
Malin Head ...	30.08	60	WSW	5	o	30.02	- .04	60	59	+ 3	W	6	of	5	64	57	—		
Mullaghmore ...	30.18	62	WSW	6	c	30.17	+ .03	61	59	+ 3	WSW	5	om	5	65	57	—		
Belmullet ...	30.21	61	WSW	6	o	30.20	+ .03	61	59	+ 1	WSW	5	c	*	63	59	—		
Donaghadee ...	30.16	65	W	3	bc	30.10	.00	63	60	+ 4	W	5	c	3	69	57	—		
GERMANY.																			
Barrow-in-Farress	30.17	63	WSW	4	bc	30.13	+ .08	60	60	+ 1	WSW	5	om	*	65	58	—		
Liverpool (Bidston)	30.21	62	W	2	b	30.17	+ .05	62	57	+ 1	W	6	bc	4	65	57	—		
Holyhead ...	30.22	62	SSW	1	b	30.22	+ .05	60	57	+ 1	SW	2	cm	2	66	55	—		
Parsonstown ...	30.26	64	SW	1	c	30.27	+ .05	62	59	+ 4	SW	1	c	*	68	56	—		
Valencia ...	30.33	64	WNN	2	bc	30.34	+ .10	65	62	+ 4	W	2	c	3	67	57	—		
Roche's Point...	30.27	68	SSW	1	b	30.32	+ .14	62	58	+ 4	WSW	1	b	1	71	54	—		
Pembroke ...	30.24	60	NNW	2	b	30.28	+ .13	60	59	0	WNN	3	bc	2	65	57	—		
Scilly ...	30.24	62	N	3	b	30.32	+ .19	65	62	- 1	NE	1	b	3	66	58	—		
Prawle Point ...	30.19	73	NNE	1	b	30.31	+ .18	73	62	+ 5	NNE	1	b	0	76	55	—		
Jersey ...	30.20	72	NW	2	c	30.26	+ .13	71	64	- 4	NW	1	bm	1	78	60	—		
FRANCE & NETHERLANDS.																			
Hurst Castle ...	30.16	72	WSW	3	b	30.29	+ .17	65	57	- 1	W	1	b	1	75	53	—		
Dungeness ...	30.09	69	WSW	4	c	30.22	+ .14	65	61	- 3	N	2	b	1	71	52	—		
London ...	30.15	78	NW	3	bc	30.24	+ .15	65	57	- 3	SW	2	bc	*	82	51	—		
Oxford ...	30.21	67	N	2	b	30.23	+ .15	63	56	- 3	SW	3	bc	*	78	50	—		
Cambridge ...	30.16	75	SW	1	b	30.20	+ .14	65	61	- 7	SW	2	c	*	82	48	—		
Yarmouth ...	30.11	70	NNE	3	b	30.15	+ .15	64	57	- 5	W	3	bc	2	77	52	—		
Cuxhaven ...	29.98	61	WNN	4	bc	30.04	- .02	64	61	+ 3	W	4	c	*	75	60	—		
Berlin ...	29.98	75	SSW	1	o	30.06	- .10	63	57	- 5	WNN	5	r	*	84	61	—		
Wiesbaden ...	*	*	*	*	*	30.22	+ .05	67	60	+ 4	NW	2	b	*	?	?	—		
Munich ...	30.21	71	W	2	b	30.23	- .05	73	64	+ 13	W	5	b	*	81	?	—		
FRANCE & NETHERLANDS.																			
The Helder ...	30.13	63	NW	3	b	30.12	+ .13	64	59	- 4	WSW	4	b	3	72	63	—		
Brussels ...	*	*	*	*	*	30.21	+ .13	66	61	- 1	WSW	1	b	*	87	59	—		
Cape Gris Nez...	30.13	67	SW	4	bc	30.21	+ .13	66	63	- 1	W	1	bc	0	75	61	—		
Paris ...	30.12	82	NW	1	b	30.25	+ .13	64	57	- 1	L	0	b	*	90	54	—		
Brest ...	30.21	69	NN	5	b	30.31	+ .18	62	58	- 2	NE	3	b	3	84	55	—		
Lorient ...	30.17	81	NE	3	b	30.25	+ .11	63	61	- 4	ENE	3	b	2	93	59	—		
Rochefort ...	30.15	77	NNW	3	b	30.23	+ .10	70	55	+ 2	E	4	b	1	90	63	—		
Belfort ...	30.15	83	SW	1	b	30.24	+ .15	77	65	- 1	SW	3	b	*	91	56	—		
Lyons ...	30.15	82	SSE	1	b	30.25	+ .16	71	63	+ 1	SSE	1	b	*	88	64	—		
Nice ...	30.19	74	E	3	bc	30.19	- .04	73	63	0	E	1	b	1	82	64	—		
Perpignan ...	30.16	79	E	1	b	30.23	+ .06	74	71	- 1	E	1	o	*	81	65	—		
Biarritz ...	30.09	82	ENE	4	b	30.19	+ .12	75	73	- 3	ENE	3	b	0	95	73	—		
PENIN- SULA.																			
Corunna ...	*	*	*	*	*	30.17	+ .13	69	66	- 1	WSW	1	f	2	79	59	—		
Lisbon ...	29.96	80	N	7	o	30.08	+ .13	75	68	+ 4	NNE	4	b	2	91	70	0.08		

For Explanation of Columns, see p. 4.



# WEATHER

# CHARTS

for 8 a.m. on

Monday

8<sup>th</sup> August

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.

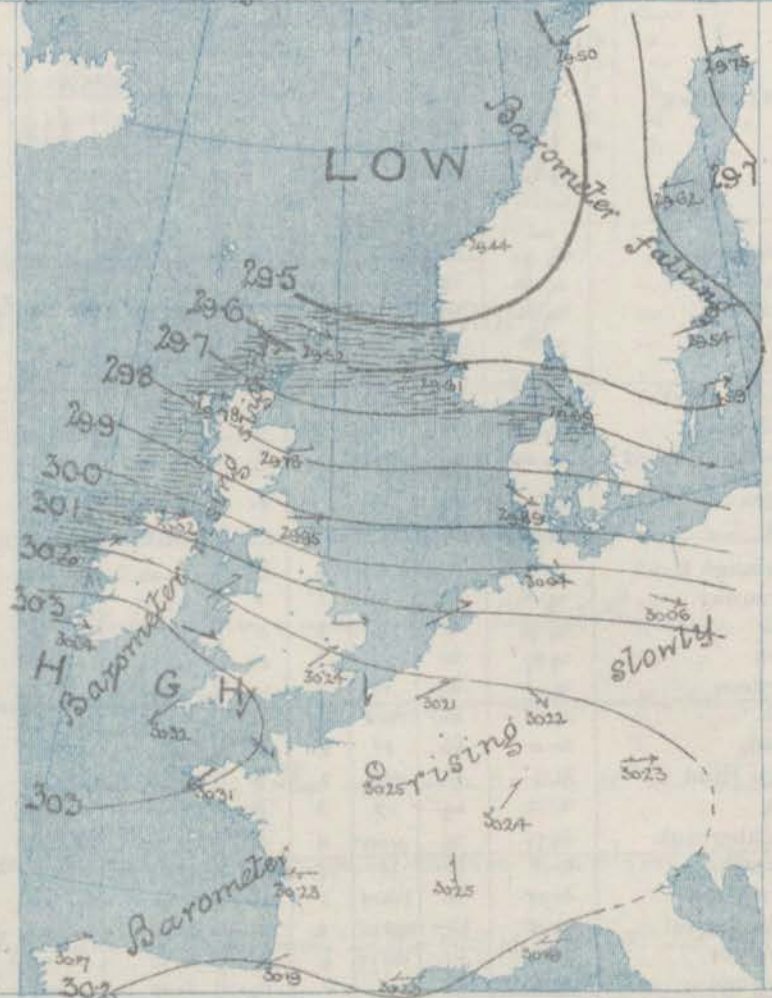
**Sea Disturbance** — where considerable is shown, thus

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.808
Stornoway	29.800
Wick	29.823
Nairn	29.829
Aberdeen	29.835
Leith	29.852
Shields	29.876
York	29.906
Ardrossan	29.856
Donaghadee	29.868
Holyhead	29.898
Liverpool	29.898
Valencia	29.908
Roche's Point	29.908
Pembroke	29.910
Scilly	29.951
Hurst Castle	29.940
Dover	29.945
LONDON	29.943
Oxford	29.929
Cambridge	29.929
Yarmouth	29.928



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

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

**Weather** — is shown by Letters of the Beaufort Scale.

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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August.

STATIONS.	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	58.3	48.8	54.1	52.4	3.21
Stornoway.	58.5	49.2	55.8	53.9	3.57
Wick.	61.3	48.7	55.6	53.6	2.35
Nairn.	63.0	50.6	56.0	53.1	2.81
Aberdeen.	63.0	50.7	56.8	53.9	3.13
Leith.	60.3	52.2	58.1	56.2	2.62
Shields.	63.7	53.2	58.0	56.3	2.81
York.	65.2	51.8	58.7	56.0	2.47
Ardrossan.	62.7	54.0	57.8	55.0	4.08
Donaghadee.	61.2	52.6	57.8	55.9	2.09
Holyhead.	65.2	55.7	58.9	56.9	2.89
Liverpool.	66.3	54.7	59.2	56.1	2.79
Valencia.	65.4	54.7	59.8	57.1	4.65
Roche's Point.	67.5	54.7	59.4	56.8	3.59
Pembroke.	64.4	56.4	59.4	57.1	2.91
Scilly.	66.4	57.8	61.3	59.3	2.45
Hurst Castle.	67.9	56.8	61.7	59.8	2.31
Dover.	67.3	58.2	63.3	59.6	2.00
LONDON.	72.3	54.2	61.9	58.5	2.20
Oxford.	69.0	53.9	59.8	57.3	2.33
Cambridge.	71.9	52.8	60.7	57.9	2.25
Yarmouth.	69.9	55.7	61.4	58.5	2.17

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.3 in. upwards, over our extreme southwest coast; high, 30.2 in. upwards, over France & the S. part of our island & Germany.  
Lowest, 29.5 in. & less, in a large depression lying off the west of Norway. A subsidiary depression with readings below 29.55 in. lies near Stockholm.

## TEMPERATURE

Highest, 77° at Belfast, 75° at Biscaya & Lisbon, 74° at Perpignan and 73° at Brader Point, Munich and Nice.  
Lowest, 53° at Christiansund & Lumburg Head, 55° at Skudesnæs, 56° at Stromness & Kirk and 57° at Ros's.  
During yesterday the thermometer rose to 78° at Oxford & Jersey, and 82° in London and at Cambridge.

## WIND

Strong from W. or W. by N. over the north of our islands and the eastern shore of the North Sea.  
Light from the north on our southern coast.  
Moderate from E. over the north of Scandinavia and the west of France.

## WEATHER

Fine over France, the south of our islands and the greater part of Germany.  
Cloudy or overcast elsewhere, with rain in the west of Norway as well as at Berlin.  
Rain fell yesterday at several of our northern stations.

## SEA

Rather rough on our extreme northern & northwestern coast, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Although the barometer is at present rising at most of our western stations the distribution of pressure remains favourable for the advance of farther depressions from the Atlantic. Unsettled weather is therefore likely to continue over our western and northern districts, but in the southeast and south conditions will probably remain fair for a time.

## FORECASTS

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

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	N <sup>th</sup> winds, strong, to S <sup>th</sup> moderate, changeable, some rain.
1	SCOTLAND EAST	-----D-----D-----D-----
2	ENGLAND N.E.	N <sup>th</sup> winds, strong, to moderate, cloudy, local showers.
3	ENGLAND EAST	Same as N <sup>o</sup> 5.
4	MIDLAND COUNTIES	Same as N <sup>o</sup> 5.
5	ENGLAND SOUTH	N <sup>th</sup> winds, moderate, fair, warm.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Same as N <sup>o</sup> 2.
7	ENGLAND N.W.	Same as N <sup>o</sup> 2.
8	ENGLAND S.W.	Light breezes, chiefly W <sup>th</sup> , fine, warm.
9	IRELAND NORTH	Same as N <sup>o</sup> 2 and 1.
10	IRELAND SOUTH	N <sup>th</sup> to S <sup>th</sup> winds, moderate, fair to cloudy & unsettled.
WARNINGS		NONE ISSUED

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.62	58	57	SSW	6	r	5	Holyhead ...	30.22	63	56	NW	1	6	2
Sumburgh Head ...								Valencia ...							
Stornoway ...	29.93	59	56	W	4	0	4	Scilly ...							
Aberdeen ...								Dungeness ...	30.08	69	67	WSW	3	6c	2
Shields ...								London ...							
Ardrossan ...								Yarmouth ...							
Malin Head ...	30.10	63	58	W	4	6	4	Jersey ...	30.19	76	67	W	2	6c	2
Mullaghmore ...								Rochefort ...							
Belmullet ...	30.21	68	58	WSW	5	6	*								

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

The reports for yesterday morning showed that a somewhat complex depression had advanced to the neighbourhood of the Shetland Isles & the North Sea, & was moving steadily to the north-westward. In it, rain the barometer was rising briskly & at 8 a.m. readings varied from 30.1 in & more over the South of Ireland, the west of England, France, Germany and Western Russia to about 29.5 in. off the Shetlands & west of Norway, & to about 29.8 in. off the Southwest of Portugal. The winds were consequently S.W. & E. over Germany & the Baltic, & were accompanied by fine warm weather, while over the United Kingdom they had veered to W. & NW, with showers in the west, but fine warm close weather in the northeast. Heavy rain had fallen in the northwest of the British Islands & a smaller amount in the northeast. Temperature ranged from upwards of 80° in the western part of the Iberian Peninsula & from between 77° & 80° over the Southern part of the Mediterranean to very little above 45° on the shores of the White Sea, but there was some irregularity in its distribution over these.

The highest individual readings were 86° at Bilbao, 83° at Oporto, 80° at Algiers (Algeria) & Malta, 79° at Brindisi & Palermo & 77° at Cagliari & Livorno; the lowest were 47° at Archangel, 53° at Sumburgh Head, 54° at Moscow, 56° at Vleborg, Nijmegen & St. Petersburg & 57° at Haparanda, Helsingfors, Bodö and Christianmünd.

Later in the day the disturbances in the north passed away and the weather improved generally, but indication of the advance of a new disturbance soon manifested themselves in the northwest, and the wind backed quickly in that region.

## SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 31<sup>st</sup> JULY TO THE 6<sup>th</sup> AUGUST 1887.

The week commenced with somewhat unsettled condition, the distribution of pressure on Sunday morning being complex, though the gradients were slight and the winds extremely light and variable. At night some shallow disturbances appeared in the east, producing severe thunderstorms in those regions and much lightning over our inland countries, but as these passed off the barometer rose generally and an anticyclonic system began to advance slowly over our islands from the westward. The winds were at first NW & the weather fine and dry over England, but rather showery in the north and in some parts of Germany. Gradually the system moved eastwards till at 8 a.m. on the 3<sup>rd</sup> the central area lay completely over the United Kingdom, and the weather became very fine generally. On Friday (5<sup>th</sup>) the system had reached the eastern shore of the North Sea, & on the 5<sup>th</sup> the S.W. side opened over our western coasts rain set in over Ireland, and a local depression appearing in the northwest the fall became very large in the northwest of Ireland and lasted for many hours. In the midland and southeastern parts of England the heat increased greatly on Saturday, but towards night the sky, even in London, began to look unsettled.

## EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Tuesday 3<sup>rd</sup> August

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.	
			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 ..	29.42	48	2	0	b	29.27	- 1.8	58	52	- 1	NE	2	b	*	64	43	-	
Hernösand ...	29.34	56	ESE	4	r	29.12	- 1.0	50	47	- 8	W	2	r	*	61	?	0.04	
Stockholm ...	29.35	59	NE	2	o	29.25	- 2.9	55	49	- 4	NW	6	b	*	70	52	0.08	
Wisby ...	29.47	60	W	6	r	29.30	- 2.9	58	51	- 3	WNW	6	b	*	68	34	0.20	
Bodö ...	29.28	52	ENE	6	r	29.16	- 2.4	53	51	- 4	SW	2	o	1	57	52	0.04	
Christiansund...	29.26	50	SW	9	c	29.15	- 1.9	48	46	- 5	SW	8	r	5	58	45	0.51	
Skudesnaes ...	29.66	54	WNW	4	o	29.61	- 0.0	54	49	- 1	WNW	7	o	4	59	54	-	
Christiania Fjord (Færder)	29.42	63	W	5	b	29.41	- 1.5	57	50	- 4	W	7	b	5	63	57	-	
Skagen (The Seaw)	29.50	56	WNW	7	o	29.47	- 2.2	56	50	- 2	NW	6	b	5	61	54	0.04	
Fanö ...	29.80	60	W	6	o	29.67	- 2.2	61	58	- 1	WNW	6	r	*	63	57	0.16	
BRITISH ISLANDS.																		
Sumburgh Head	29.62	52	WNW	4	o	29.65	+ 1.3	51	48	- 2	WNW	4	o	5	56	47	0.02	
Stornoway ...	29.81	57	W	6	or	29.94	+ 1.6	53	50	- 3	NW	5	o	5	57	50	0.37	
Wick ...	29.74	56	NW	4	r	29.84	+ 1.4	53	49	- 3	NW	4	o	3	59	48	0.10	
Nairn ...	29.80	60	W	4	r	29.90	+ 1.1	57	55	- 5	W	3	c	3	65	55	0.01	
Aberdeen...	29.80	66	W	3	o	29.87	+ 0.9	60	54	- 6	NW	5	bc	1	71	56	-	
Leith ...	29.94	61	NW	5	u	29.95	+ 0.1	62	57	+ 1	WNW	5	bc	*	66	57	-	
Shields ...	29.97	70	SW	4	c	29.97	+ 0.2	62	60	- 1	W	5	c	2	71	57	-	
Spurn Head ...	30.07	69	W	5	bc	30.05	- 0.4	62	60	0	WNW	6	b	3	71	58	-	
York ...	30.08	70	W	4	c	30.06	- 0.4	64	59	+ 2	W	5	c	*	75	57	-	
Loughborough	30.13	78	W	4	b	30.15	- 0.5	63	58	0	WNW	5	bc	*	82	57	-	
Ardrossan ...	30.04	60	WSW	4	o	30.04	+ 0.1	58	57	- 3	WNW	5	op	4	62	55	0.01	
Malin Head ...	30.05	59	W	5	o	30.10	+ 0.8	58	58	- 2	WNW	4	cd	4	64	57	0.03	
Mullaghmore ...	30.21	60	WSW	7	o	30.19	+ 0.2	60	59	- 1	WSW	6	d	6	68	56	0.03	
Belmullet ...	30.24	60	WNW	6	o	30.25	+ 0.5	59	58	- 2	WNW	3	om	*	64	59	0.05	
Donaghadee ...	30.12	69	WNW	4	c	30.12	+ 0.4	61	59	- 2	W	5	o	3	75	58	-	
Barrow-in-Furness	30.11	65	SW	4	bc	30.11	- 0.2	61	59	+ 1	WNW	6	c	*	66	59	-	
Liverpool (Bidston)	30.15	72	WSW	4	bc	30.14	- 0.3	61	58	- 1	W	7	o	4	75	58	-	
Holyhead ...	30.17	64	SW	4	bc	30.10	- 0.2	61	58	+ 1	W	5	c	4	68	57	-	
Parsonstown ...	30.26	68	WSW	2	b	30.28	+ 0.1	61	58	- 1	W	2	o	*	74	57	-	
Valencia ...	30.26	65	WNW	2	c	30.26	+ 0.2	61	57	- 4	NW	2	o	3	69	56	-	
Roche's Point...	30.29	73	SSW	3	b	30.32	0.0	61	57	- 1	NW	3	c	2	78	55	-	
Pembroke ...	30.27	64	W	2	b	30.28	0.0	59	58	- 1	WNW	4	b	3	67	56	-	
Scilly ...	30.31	66	WNW	2	b	30.31	- 0.1	64	62	- 1	N	3	b	4	69	61	-	
Prawle Point ...	30.27	75	W	2	b	30.25	- 0.6	69	59	- 4	WNW	5	b	4	76	58	-	
Jersey ...	30.29	72	WNW	2	b	30.26	0.0	67	63	- 4	WNW	3	bm	3	77	58	-	
Hurst Castle ...	30.24	67	WSW	4	b	30.22	- 0.7	68	59	+ 3	WNW	3	b	2	74	59	-	
Dungeness ...	30.15	69	WNW	5	bc	30.16	- 0.6	66	63	+ 1	WNW	3	b	2	73	59	-	
London ...	30.16	80	W	2	b	30.18	- 0.6	65	57	0	W	2	b	*	85	56	-	
Oxford ...	30.19	70	SW	1	b	30.20	- 0.3	62	56	- 1	WNW	3	b	*	82	54	-	
Cambridge ...	30.16	82	WSW	1	b	30.14	- 0.6	65	62	0	W	2	b	*	85	57	-	
Yarmouth ...	30.17	71	NW	3	b	30.09	- 0.6	62	58	- 2	NW	4	c	2	81	59	-	
Cuxhaven ...	29.98	58	WNW	6	o	29.87	- 1.9	63	60	- 1	WNW	6	o	*	65	57	-	
Berlin ...	29.93	69	W	6	o	29.84	- 2.2	65	59	+ 2	W	6	bc	*	73	61	-	
Wiesbaden ...	*	*	*	*	*	30.12	- 1.0	68	58	+ 1	W	2	b	*	74	57	-	
Munich ...	30.25	70	NW	1	b	30.21	- 0.2	69	60	- 4	W	4	b	*	82	69	-	
GERMANY.																		
The Helder ...	30.07	65	SW	3	c	30.00	- 1.2	62	58	- 2	NW	4	o	3	68	63	-	
Brussels ...	*	*	*	*	*													
Cape Gris Nez...	30.22	66	SW	5	c	30.17	- 0.4	64	62	- 2	SW	4	b	3	73	61	-	
Paris ...	30.21	79	NNW	1	b	30.25	0.0	62	57	- 2	SSW	1	b	*	86	55	-	
Brest ...	30.31	71	ENE	4	b	30.30	- 0.1	63	61	+ 1	NE	3	b	2	87	56	-	
Lorient ...	30.25	79	NW	1	b	30.24	- 0.1	61	58	- 2	WNW	1	b	1	86	57	-	
Rochefort ...	30.26	78	NW	3	b	30.27	+ 0.4	69	66	- 1	ENE	4	b	2	91	63	-	
Belfort ...	30.19	81	SW	1	b	30.23	- 0.1	75	64	- 2	SW	3	b	*	90	49	-	
Lyons ...	30.18	77	N	1	b	30.22	- 0.3	73	62	+ 2	NW	1	b	*	90	66	-	
Nice ...	30.14	77	Z	0	b	30.13	- 0.6	75	68	+ 2	Z	0	m	1	85	66	-	
Perpignan ...	30.16	82	Z	0	b	30.16	- 0.7	75	70	+ 1	E	1	b	*	87	68	-	
Biarritz ...	30.16	80	NE	4	b	30.22	+ 0.3	72	71	- 3	Z	0	m	0	86	72	-	
FRANCE & NETHERLANDS.																		
Corunna ...	*	*	*	*	*													
Lisbon ...	30.10	82	SW	5	o	30.16	+ 0.8	77	71	+ 2	SW	4	t	2	93	75	-	
PENINSULA.																		

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

Tuesday 9<sup>th</sup> August

1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

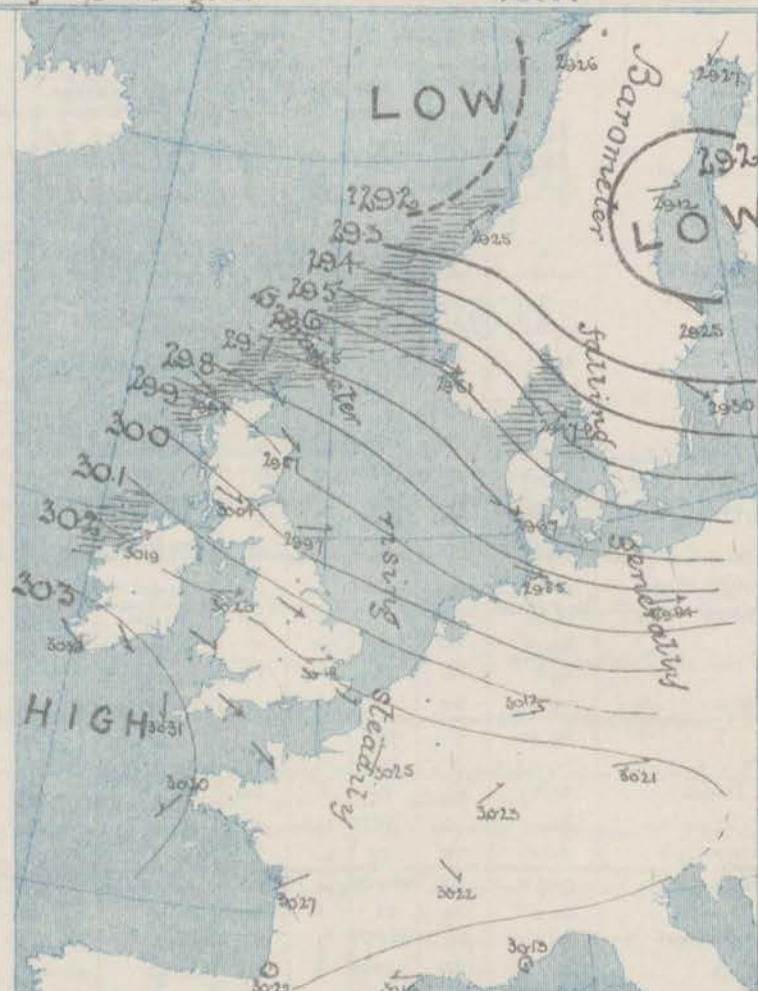
**Barometer** — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 \* — force above 10; — force 8 to 10;  
 — force 5 to 7; — force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

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

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.806
Stornoway	29.800
Wick	29.822
Nairn	29.829
Aberdeen	29.835
Leith	29.852
Shields	29.876
York	29.905
Ardrossan	29.856
Donaghadee	29.868
Holyhead	29.893
Liverpool	29.898
Valencia	29.908
Roche's Point	29.908
Pembroke	29.910
Scilly	29.951
Hurst Castle	29.949
Dover	29.945
LONDON	29.943
Oxford	29.929
Cambridge	29.929
Yarmouth	29.928



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

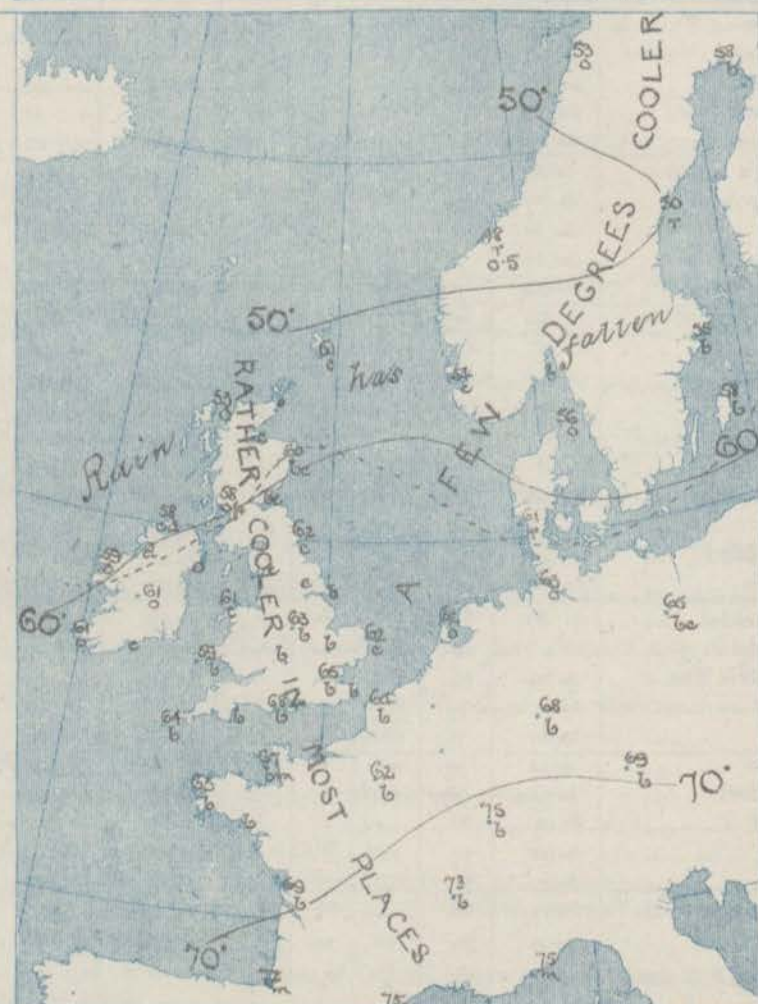
**Temperature** — Isotherms are drawn for each 10° Changes since previous morning are stated in words.  
**Weather** — is shown by Letters of the Beaufort Scale.  
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more,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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	58.3	48.8	54.1	52.4	3.21
Stornoway	58.5	49.2	55.8	53.9	3.57
Wick	61.3	48.7	55.6	53.6	2.35
Nairn	63.6	50.6	56.0	53.1	2.81
Aberdeen	63.0	50.7	56.8	53.9	3.13
Leith	66.3	52.2	58.1	55.2	2.62
Shields	63.7	53.2	58.0	55.3	2.81
York	69.2	51.8	58.7	56.0	2.47
Ardrossan	62.7	54.0	57.8	55.0	4.08
Donaghadee	61.2	52.6	57.3	55.9	2.99
Holyhead	65.2	55.7	58.9	56.9	2.89
Liverpool	66.3	54.7	59.2	56.1	2.79
Valencia	65.4	54.7	59.8	57.1	4.65
Roche's Point	67.5	54.7	59.4	56.8	3.59
Pembroke	64.4	56.4	59.4	57.1	2.91
Scilly	65.4	57.8	61.3	59.3	2.45
Hurst Castle	67.9	56.8	61.7	59.3	2.31
Dover	67.3	58.2	63.3	59.6	2.06
LONDON	72.3	54.2	61.9	58.5	2.20
Oxford	69.6	53.9	59.8	57.3	2.33
Cambridge	71.9	52.8	60.7	57.9	2.25
Yarmouth	66.9	55.7	61.4	58.5	2.17

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.3 in. and upwards, in an anticyclone lying over our extreme Southwest coasts; high, 30.2 in. and upwards, over the west and south of our islands generally and also over France and South Germany.  
Lowest, 29.2 in. and less in a depression lying over the Gulf of Bothnia & also in another disturbance lying off the west of Norway.

## TEMPERATURE

Highest, 77° at Lisbon, 75° at Belfort, Nice & Reims, 72° at Lyons, 72° at Biarritz and 69° at St. Paul, Rochefort and Marseilles.  
Lowest, 48° at Christiansund, 50° at Helsingfors, 51° at Limerick Head, 53° at Bodo, Hornum & Wick and 64° at Stockholm.  
During yesterday the thermometer rose to 81° at Yarmouth, 82° at Loughborough & Oxford & 85° in London & at Cambridge.

## WIND

SW<sup>ly</sup> in the west of Norway; variable or E<sup>ly</sup> in the south of France.  
W<sup>ly</sup> or NW<sup>ly</sup> elsewhere; fresh or strong in force at all but our southern stations.

## WEATHER

Fine generally, but rainy at Helsingfors and Christiansund, and dull on our extreme north and northwest coasts, with drizzling rain in the north of Ireland.  
[Rain fell yesterday at our extreme northern and northwestern stations.]

## SEA

Rough off the north and west of Scotland and the north of Ireland, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression noticed yesterday off the west of Norway and the subsidiary disturbance over the south of Sweden have moved northwards, but the latter system has grown deeper, and the barometer has therefore continued to fall in all parts of Scandinavia, as well as in Denmark and Germany. There is at present no sign of any important change in the weather.

## FORECASTS

For the 24 hours ending at NOON on 10<sup>th</sup> AUGUST 1887.

### DISTRICTS.

### FORECASTS.

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

NW<sup>ly</sup> winds, fresh or strong; fair generally.  
-----D°-----D°-----D°-----  
N<sup>ly</sup> & NW<sup>ly</sup> winds, strong; fair generally.  
Same as N° 5.  
Same as N° 5.  
N<sup>ly</sup> & NW<sup>ly</sup> winds, moderate; fine, warm.

### DISTRICTS.

### FORECASTS.

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

N<sup>ly</sup> winds, fresh or strong; cloudy, showery.  
N<sup>ly</sup> winds, strong; fair generally, but local showers.  
NW<sup>ly</sup> winds, moderate; fine, warm.  
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.	Wes.	Ses.		Bar.	Dry.	Wet.	Wind.	Wes.	Ses.
Skudeenæs ...	29.67	59	54	WNW	6	0	Holyhead ...	30.21	68	61	SSW	4	3
Sumburgh Head ...	29.62	53	49	WNW	4	0	Valencia ...	30.36	69	62	W	3	3
Stornoway ...	29.52	57	57	WNW	6	r	Scilly ...	30.33	69	66	WNW	2	3
Aberdeen ...	29.83	71	62	W	6	cq	Dungeness ...	30.20	68	65	W	5	3
Shields ...	30.00	65	60	W	5	0	London ...	30.19	63	65	W	3	3
Ardrossan ...	30.04	62	59	WSW	4	0	Yarmouth ...	30.13	78	60	W	4	2
Malin Head ...	30.04	63	60	W	4	0	Jersey ...	30.31	77	60	NNW	2	2
Mullaghmore ...	30.19	66	62	WSW	5	cm	Rochefort ...	30.27	89	77	NNW	1	1
Belmullet ...	30.23	63	59	WSW	5	bc							

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

Yesterday morning's observations showed that pressure exceeded 30.1 ins: over the whole of Spain, France, Germany, Austria and the southeast of Europe; and that over our southwestern coast and Brittany it even exceeded 30.3 ins:.. From this region it decreased in a northerly direction till off the west of Norway, and the Shetland Isles it was as low as 29.5 ins:.. Thus, while W<sup>ly</sup> breezes prevailed over the United Kingdom, NW<sup>ly</sup> to NE<sup>ly</sup> airs were felt in France, and E<sup>ly</sup> to SE<sup>ly</sup> over the Baltic and Finland. In the north the weather was dull and showery, but in the south fine and warm. Temperature ranged from about 80° in the north of Spain and from between 77° and 80° over the southern part of the Mediterranean to about 55° in the extreme north of the British Islands and to 49° on the shores of the White Sea. The highest individual readings were 81° at Bilbao, 80° at San Fernando, Malta, and Oran, 79° at Lissina, 78° at Cagliari and Palermo, 77° at Livourne, and 76° at Langunaire; the lowest were 49° at Archangel, 52° at Moscow, 53° at Sumburgh Head and Christiansund, 55° at Skudeenæs, and 56° at Stornoway and Wick.

During the day there was no great change.

### 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 Wednesday 10<sup>th</sup> August 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 28° F. and Sea Level.	Therm. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 2.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force (0 to 15.)		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 15.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	29.32	55	NNE	2	b	29.40	+ .08	56	54	— 2	2	0	r	*	68	41	—	
Hernösand ...	29.18	56	NNE	4	o	29.28	+ .10	56	53	+ 6	NNE	6	o	*	59	48	0.63	
Stockholm ...	29.20	55	W	4	b	29.15	— .05	55	53	— 2	NNW	2	o	*	66	52	0.08	
Wishby ...	29.34	60	WNW	8	b	29.19	— .15	58	53	— 5	WNW	8	c	*	64	57	—	
Bodo ...	29.35	59	WSW	2	o	29.46	+ .11	50	49	— 1	2	0	r	0	54	48	0.12	
Christiansund...	29.36	50	WNW	2	c	29.63	+ .27	52	49	+ 3	WSW	3	f	4	52	46	0.04	
Skudesnaes ...	29.49	50	WNW	7	r	29.58	— .09	54	49	— 5	NNW	6	c	4	54	50	0.47	
Christiania Fjord (Farder)																		
Skagen (The Scaw)	29.45	55	WNW	7	b	29.36	— .09	56	50	— 6	N	2	b	2	63	52	—	
Faao ...	29.67	55	W	6	c	29.50	— .17	54	51	— 3	WNW	6	c	*	64	50	0.20	
BRITISH ISLANDS.																		
Sumburgh Head	29.61	51	NW	7	o	29.87	+ .26	48	47	— 1	NNW	6	r	6	54	45	0.11	
Stornoway ...	30.00	52	NW	5	c	30.19	+ .19	52	49	— 3	N	6	bc	6	56	40	0.02	
Wick ...	29.94	50	NW	6	o	30.07	+ .13	49	48	— 1	NW	6	ov	4	58	47	0.05	
Nairn ...	29.95	56	WNW	4	o	30.12	+ .17	55	52	— 3	WNW	5	o	5	62	51	—	
Aberdeen ...	29.99	57	WNW	5	bc	30.02	+ .03	52	49	— 3	NNW	8	ov	3	65	49	0.03	
Leith ...	29.95	60	NW	3	o	30.09	+ .14	58	51	— 7	NW	3	bc	*	71	49	—	
Shields ...	29.95	64	SW	4	bc	30.04	+ .09	53	50	— 3	WNW	4	c	3	71	48	—	
Sparn Head ...	29.98	67	WNW	6	b	30.05	+ .07	56	53	— 3	NNW	6	c	3	70	53	—	
York ...	30.01	68	W	8	c	30.28	+ .27	57	50	— 7	N	3	bc	*	75	48	—	
Loughborough	30.00	64	WNW	3	o	30.12	— .08	59	53	— 6	NW	3	c	*	68	52	—	
Ardrossan ...	30.04	59	WNW	6	c	30.04	+ .00	56	56	— 2	NW	7	bc	5	63	56	—	
Malin Head ...	30.11	58	NW	4	ov	30.23	+ .12	56	51	— 5	N	4	ov	4	59	54	—	
Mullaghmore ...	30.21	59	WNW	6	r	30.31	+ .10	56	50	— 6	NNW	5	o	4	62	54	0.03	
Behaulet ...	30.26	60	NW	3	o	30.35	+ .09	65	50	— 15	N	4	o	*	61	52	0.02	
Donaghadee ...	30.23	61	NW	4	o	30.21	+ .02	57	52	— 5	NNE	6	bc	4	68	56	—	
Barrow-in-Furness	30.08	60	WNW	4	o	30.11	+ .03	56	51	— 5	NW	2	bc	*	65	52	—	
Liverpool (Bidston)	30.10	63	W	6	o	30.16	+ .06	58	52	— 6	NW	5	c	4	64	55	0.02	
Holyhead ...	30.16	62	W	4	c	30.21	+ .05	58	53	— 5	NNW	5	bc	4	69	55	—	
Parsonstown ...	30.20	65	NW	2	o	30.32	+ .12	55	52	— 3	NW	2	o	*	77	48	—	
Valencia ...	30.31	64	NW	2	ov	30.34	+ .03	62	55	+ 7	NNE	3	bc	3	64	56	0.05	
GERMANY.																		
Roche's Point...	30.25	66	NNW	3	bc	30.30	+ .05	60	54	— 6	N	3	b	3	73	57	—	
Pembroke ...	30.21	62	NNW	3	bc	30.23	+ .02	58	56	— 2	N	4	bc	2	66	56	—	
Scilly ...	30.26	64	NNW	3	bc	30.22	— .04	62	60	— 2	N	4	o	4	68	60	—	
Prawle Point ...	30.20	72	WSW	3	o	30.19	— .01	64	59	— 5	NNW	3	o	3	82	57	—	
Jersey ...	30.22	67	WNW	3	b	30.15	— .07	66	60	— 6	NW	3	bc	3	73	59	—	
Hurst Castle ...	30.14	75	NW	4	b	30.15	— .01	64	55	— 9	NNE	4	b	3	78	60	—	
Dungeness ...	30.06	78	NNW	4	bc	30.06	— .00	61	57	— 4	NNW	4	bc	2	78	60	—	
London ...	30.09	75	W	3	c	30.10	+ .01	59	51	— 8	NW	2	bc	*	81	57	—	
Oxford ...	30.13	66	NW	4	o	30.13	— .00	56	51	— 5	NW	5	c	*	76	54	—	
Cambridge ...	30.09	72	NW	1	o	30.09	— .00	59	56	— 3	N	2	bc	*	78	52	—	
Yarmouth ...	30.01	68	NW	5	bc	30.01	— .00	58	52	— 6	NNW	5	c	4	72	54	—	
Cuxhaven ...	29.85	57	W	5	o	29.67	— .18	58	55	— 3	WNW	7	o	*	62	?	0.08	
Berlin ...	29.80	63	WNW	5	o	29.67	— .13	55	53	— 2	W	4	c	*	73	54	0.16	
Wiesbaden ...	*	*	*	*	*	29.90	— .22	63	59	— 4	WNW	4	o	*	81	59	—	
Munich ...	30.03	73	W	4	b	29.99	— .04	64	58	— 6	NW	5	bc	*	81	59	—	
FRANCE & NETHERLANDS.																		
The Helder ...	29.94	64	W	3	o	29.88	— .06	58	54	— 4	NW	7	c	4	64	57	—	
Brussels ...	*	*	*	*	*	29.99	— .12	62	57	— 5	WNW	7	o	*	78	60	—	
Cape Gris Nez...	30.10	65	W	4	bc	30.06	— .04	60	55	— 5	NNW	7	c	5	70	59	—	
Paris ...	30.12	67	WNW	2	b	30.07	— .05	63	59	— 4	NW	3	m	*	88	59	—	
Brest ...	30.26	66	NNW	4	b	30.22	— .04	61	59	— 2	NNW	4	o	3	81	57	—	
Lorient ...	30.20	76	N	4	b	30.19	— .01	60	59	— 1	NE	7	o	2	82	57	—	
Rocheport ...	30.19	74	NNW	4	b	30.15	— .04	64	61	— 3	NNE	4	b	2	95	59	—	
Belfort ...	30.11	82	WSW	3	b	30.11	— .00	69	58	— 11	W	4	b	*	88	53	—	
Lyons ...	30.08	83	N	1	b	30.02	— .06	71	61	— 10	NNW	1	b	*	89	66	—	
Nice ...	30.03	74	SW	1	o	29.97	— .06	74	71	— 3	SW	1	b	1	82	70	—	
Perpignan ...	30.04	91	NNW	4	b	30.00	— .04	79	70	— 9	W	1	b	*	97	72	—	
Biarritz ...	30.16	80	NE	4	b	30.12	— .04	72	70	— 2	WSW	5	o	2	82	70	—	
Corunna ...	*	*	*	*	*	30.11	— .04	64	63	— 1	W	1	f	1	84	54	—	
Lisbon ...	30.12	84	NW	5	b	30.12	— .00	71	67	— 4	NNW	5	b	2	91	68	—	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

Wednesday 10<sup>th</sup> August

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.

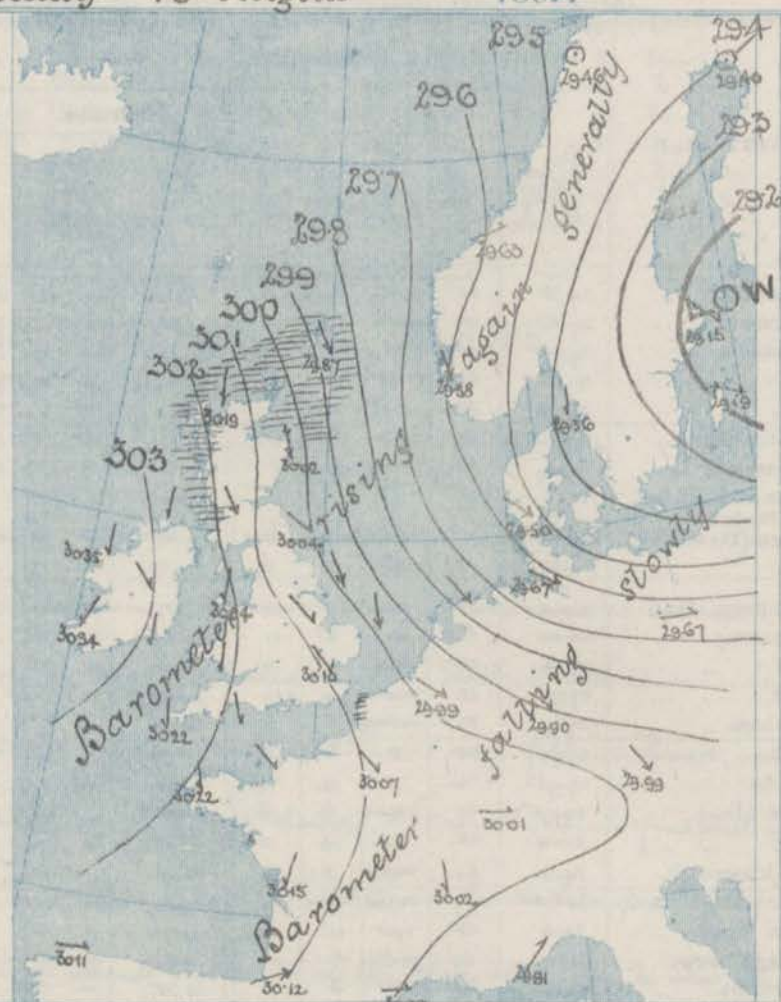
**Sea Disturbance** — where considerable is shown thus

■ = Rough, ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.806
Stornoway	29.800
Wick	29.822
Nairn	29.829
Aberdeen	29.835
Leith	29.852
Shields	29.876
York	29.905
Ardrossan	29.856
Donaghadee	29.868
Holyhead	29.893
Liverpool	29.898
Valencia	29.908
Roshe's Point	29.908
Pembroke	29.910
Silly	29.951
Hurst Castle	29.940
Dover	29.945
LONDON	29.913
Oxford	29.920
Cambridge	29.920
Yarmouth	29.928





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.20 to 30.35 in., over the whole of Ireland and the western parts of Great Britain. Lowest, 29.15 in. at Stockholm, and below 29.6 in. over the whole of Sweden, Norway and Denmark. Gradient slight in our islands, rather steep over the North Sea: Barometer rising briskly in the north and northwest & the rise spreading S. & E.
TEMPERATURE	Highest, 79° at Perpignan, 74° at Nice, 71° at Belfast & Dublin, 62° at Harer Coast, 63° at Paris 62° at Scilly and Heligoland. Lowest, 48° at Lumburgh Head, 49° at Wick, 52° at Aberdeen, 53° at Berlin and 55° at Oxford. It fell suddenly over England last night as the wind shifted to NW.
WIND	has shifted to N. in the west and south, where it is moderate, and to NW in the east, where it is strong and squally. A fresh gale from NNW is reported at Aberdeen.
WEATHER	is dull in the northwest and north, with rain at Lumburgh Head and in the northern parts of Sweden and Norway. Some rain has fallen in the north and northwest of our islands & a large quantity to the E. of the North Sea.
SEA	is rough on our north & extreme northwest coasts, and at C. Gris Nez, moderate or slight elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the barometer is rising decidedly in the north and the change is spreading towards our south and east coasts, fine weather is probable in most places, with cool winds.

## FORECASTS

for the 24 hours ending at NOON on 11<sup>th</sup> AUGUST 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
* 0 SCOTLAND NORTH	N <sup>W</sup> & NW <sup>2</sup> winds, strong; squally to fair	6 SCOTLAND WEST	N <sup>W</sup> breezes, moderate; fair, cool at night.
* 1 SCOTLAND EAST	.....D.....D.....D.....	7 ENGLAND N. W.	.....D.....D.....D.....
2 ENGLAND N. E.	NW <sup>2</sup> winds, fresh; fair as a whole	8 ENGLAND S. W.	.....D.....D.....D.....
3 ENGLAND EAST	.....D.....D.....D.....	9 IRELAND NORTH	N <sup>W</sup> breezes, falling light; fine cool at night.
4 MIDLAND COUNTIES	Same as N <sup>o</sup> 5.	10 IRELAND SOUTH	.....D.....D.....D.....
5 ENGLAND SOUTH	NW <sup>2</sup> and N <sup>W</sup> winds, moderate to light; fine, cold at night.	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.		
Skuaenæs ...	29.61	53	49	WNW	7	r	4	Holyhead ...	30.19	65	61	W	5	c	4
Sumburgh Head ...	29.65	51	47	NW	5	c	5	Valencia ...	30.35	64	62	WNW	2	ond	2
Stornoway ...	29.97	56	53	NW	5	o	5	Scilly ...	30.30	68	64	NNW	3	b	4
Aberdeen ...	29.92	65	55	NW	4	c	1	Dungeness ...	30.10	71	69	WSW	4	bc	3
Shields ...	29.97	70	64	W	5	bc	2	London ...	30.12	78	64	WNW	5	b	*
Ardrossan ...	30.06	62	62	WNW	6	b	4	Yarmouth ...	30.07	70	63	NW	4	c	2
Malin Head ...	30.12	57	56	NW	4	o	4	Jersey ...	30.26	71	64	WNW	3	b	3
Mullaghmore ...	30.22	61	60	WNW	6	omp	5	Rochefort ...	30.24	85	78	NW	3	b	1
Belmullet ...	30.27	60	58	NW	3	o	*								

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

The reports for yesterday morning showed that pressure was highest, 30.3 in. and upwards, in an anticyclone lying to the southwestward of the British Islands, but relatively high, 30.1 in. and upwards, over the whole of western and southern Europe.

The lowest readings, 29.2 in. and less, were found in two depressions lying respectively over the Gulf of Bothnia and off the northwest of Norway. Strong W<sup>ly</sup> or NW<sup>ly</sup> breezes were reported over the greater part of our islands, as well as over the North Sea, Denmark, Germany, the Baltic and the south of Scandinavia, but in Finland the wind drew into SE. or E. Light NW<sup>ly</sup> breezes were reported over Italy and Algeria and E<sup>ly</sup> or NE<sup>ly</sup> breezes in the south of France. Rain was falling at several of the Scandinavian and Baltic stations as well as in the north of Ireland, but elsewhere the weather remained fine. Temperature had decreased a little generally and readings ranged from 75° and upwards over southern Europe to 55° or less in many parts of Scandinavia, and also in the extreme north of our islands. The highest individual readings were 84° at Barcelona, 82° at Palermo, 81° at Bilbao, 80° at Brindisi and 79° at Sfax and Naples; the lowest were 48° at Christiansund, 50° at Helsingfors, 51° at Archangel and Lumburgh Head, 53° at Rode, Stornoway and Wick and 54° at Uleaborg and Stornoway.

In the course of the day the depression systems in the far north moved slowly southeastwards and the wind over our islands drew more into the N<sup>th</sup>, with cooler weather. Over England, however, the thermometer was still high; in London the thermometer rose to 81° and at Brawle Point to 82°.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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# DAILY WEATHER REPORT.

for Thursday 11<sup>th</sup> AUGUST

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 ..	29.41	54	2	0	0	29.37	- .03	58	57	+ 2	N	4	0	*	68	50	0.04	
Hernösand ..	29.43	58	NNE	4	0	29.43	+ .15	58	53	+ 2	N	6	0	*	66	52	0.04	
Stockholm ..	29.30	57	WSW	4	0	29.34	+ .19	56	54	+ 1	N	4	0	*	61	48	0.55	
Wibaby ..	29.26	58	E	6	0	29.25	+ .06	59	56	+ 1	NNE	8	0	*	63	54	0.43	
Bodö ..	29.61	51	2	0	0	29.68	+ .22	51	51	+ 1	2	0	0	1	52	48	—	
Christiansund ..	29.73	51	NNW	3	0	29.75	+ .12	49	48	- 3	N	2	r	8	54	?	0.16	
Skudesnaes ..	29.72	54	NW	8	0	29.70	+ .12	54	50	0	NNW	7	0	4	57	54	—	
Christiania Fjord (Fjord)	29.49	63	N	3	0	29.55	—	57	50	—	N	5	0	2	64	55	—	
Skagen (The Scaw)	29.50	59	2	0	0	29.53	+ .17	57	52	+ 1	NE	3	0	3	64	54	0.04	
Fanö ..	29.63	56	NNW	6	0	29.69	+ .19	61	57	+ 7	WNW	6	0	*	61	50	0.08	
BRITISH ISLANDS.																		
Sumburgh Head	30.01	48	N	5	0	29.95	+ .08	46	44	- 2	N	2	0	4	48	42	0.07	
Stornoway ..	30.20	55	NW	4	0	30.11	- .08	50	50	- 2	N	5	0	5	56	50	0.02	
Wick ..	30.14	49	N	4	0	30.03	- .04	49	49	0	N	4	r	3	51	41	0.14	
Nairn ..	30.18	54	WNW	3	0	30.06	- .06	52	50	- 3	W	1	c	1	59	47	—	
Aberdeen ..	30.13	52	NNW	7	0	30.02	00	53	49	+ 1	NNW	4	b	3	56	44	—	
Leith ..	30.14	62	NNW	3	0	30.07	- .02	53	49	- 5	WNW	2	c	*	71	46	—	
Shields ..	30.12	57	N	3	0	30.06	+ .02	49	47	- 4	W	3	c	3	60	44	—	
Spurn Head ..	30.11	58	N	5	0	30.07	+ .02	53	51	- 3	NW	5	c	5	60	49	—	
York ..	30.12	60	NNE	3	0	30.10	+ .02	54	48	- 3	W	2	0	*	65	42	—	
Loughborough	30.12	67	NW	3	0	30.13	+ .01	54	50	- 5	NNW	1	0	*	71	52	—	
GERMANY.																		
Ardrossan ..	30.17	60	NW	7	0	30.10	- .04	56	50	0	NW	4	b	3	62	48	—	
Malin Head ..	30.26	55	NNW	4	0	30.17	- .06	55	50	- 1	NNW	4	b	4	57	52	0.01	
Mullaghmore ..	30.31	57	NNW	5	0	30.21	- .10	56	53	0	NW	5	0	3	61	53	—	
Belmullet ..	30.37	57	N	3	0	30.26	- .09	57	54	+ 2	NNW	3	0	*	59	51	0.01	
Donaghadee ..	30.23	58	NNE	6	0	30.16	- .05	53	52	- 4	NW	3	c	2	61	51	0.01	
FRANCE & NETHERLANDS.																		
Barrow-in-Farress	30.13	63	NNW	2	0	30.12	+ .01	53	53	- 3	SSW	3	0	*	65	49	—	
Liverpool (Bidston)	30.16	60	WNW	4	0	30.13	- .03	56	50	- 2	E	1	b	2	64	52	—	
Holyhead ..	30.22	56	N	6	0	30.15	- .06	58	52	0	N	4	0	4	59	54	—	
Parsonstown ..	30.30	59	NNW	3	0	30.24	- .08	54	50	- 1	2	0	c	*	63	44	—	
Valencia ..	30.33	61	NE	3	0	30.26	- .08	58	53	- 4	NNE	1	0	1	66	51	—	
Roche's Point...	30.27	65	N	3	0	30.24	- .06	57	52	- 3	N	3	0	3	69	50	—	
Pembroke ..	30.21	60	NNE	3	0	30.14	- .09	56	54	- 2	NNE	4	b	3	61	52	—	
Scilly ..	30.20	60	NNE	5	0	30.13	- .09	60	57	- 2	NE	5	c	4	63	57	—	
Prawle Point ..	30.13	64	SSW	2	0	30.09	- .10	66	58	+ 2	NNW	3	b	2	78	51	—	
Jersey ..	30.14	65	NNW	3	0	30.07	- .08	65	57	- 1	?SW	3	b	3	69	49	—	
PENINSULA.																		
Hurst Castle ..	30.10	74	NNE	2	0	30.08	- .07	61	55	- 3	NE	3	0	2	75	54	—	
Dungeness ..	30.09	66	NE	3	0	30.07	+ .01	59	57	- 2	ENE	2	c	1	70	56	—	
London ..	30.09	68	N	1	0	30.10	00	57	52	- 2	NE	2	0	*	70	56	—	
Oxford ..	30.13	64	NW	2	0	30.11	- .02	58	52	+ 2	NE	3	c	*	71	53	—	
Cambridge ..	30.12	67	NNW	1	0	30.10	+ .01	56	53	- 3	N	1	c	*	73	52	—	
Yarmouth ..	30.08	58	NNW	5	0	30.04	+ .03	56	57	- 2	NNW	5	c	4	62	49	—	
Cuxhaven ..	29.72	53	NW	7	0	29.76	+ .09	56	55	- 2	NW	6	r	*	59	53	0.10	
Berlin ..	29.64	54	W	6	0	29.75	+ .08	57	53	+ 2	WNW	5	0	*	66	54	0.28	
Wiesbaden ..	*	*	*	*	*	29.97	+ .07	60	54	- 3	NW	3	c	*	70	52	—	
Munich ..	29.95	59	W	3	0	30.02	+ .03	53	49	- 11	NW	3	0	*	73	48	1.58	
FRANCE & NETHERLANDS.																		
The Helder ..	29.96	59	NNW	7	0	29.93	+ .05	56	50	- 2	NW	5	c	4	61	55	0.04	
Brussels ..	*	*	*	*	*	30.03	+ .04	58	53	- 4	WNW	4	c	*	66	54	0.08	
Cape Gris Nez...	30.09	63	NE	4	0	30.07	+ .01	58	57	- 2	N	4	0	3	70	57	—	
Paris ..	30.06	67	NNW	3	0	30.09	+ .02	56	52	- 7	NNE	3	m	*	71	46	—	
Brest ..	30.07	63	N	5	0	? 30.01	- .21	55	55	- 6	NNE	2	0	2	72	52	—	
Lorient ..	30.13	69	NE	5	0	30.08	- .11	57	52	- 3	E	5	0	2	77	54	—	
Roche fort ..	30.09	70	NW	5	0	30.05	- .10	60	58	- 4	ENE	5	0	2	81	55	—	
Belfort ..	29.97	71	SW	5	0	30.01	00	59	53	- 10	NNE	1	0	*	80	48	—	
Lyons ..	29.92	76	N	3	0	29.97	- .05	57	50	- 14	NNW	4	0	*	84	54	—	
Nice ..	29.74	73	ESE	1	0	29.71	- .20	76	70	+ 2	S	1	b	4	84	63	—	
Perpignan ..	29.87	88	NW	4	0	29.89	- .11	73	64	- 6	NNW	3	0	*	92	70	—	
Biarritz ..	30.06	75	NW	4	0	29.97	- .15	68	65	- 4	WSW	4	b	2	79	66	—	
Corunna ..	*	*	*	*	*	29.99	- .13	67	63	- 4	NW	5	b	2	84	64	—	
Lisbon ..	30.55	68	NNW	8	0	*	*	*	*	*	*	*	*	*	*	*	*	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Thursday 11<sup>th</sup> August 1887.

## BAROMETER, WIND & SEA.

(Explanation of Map.)

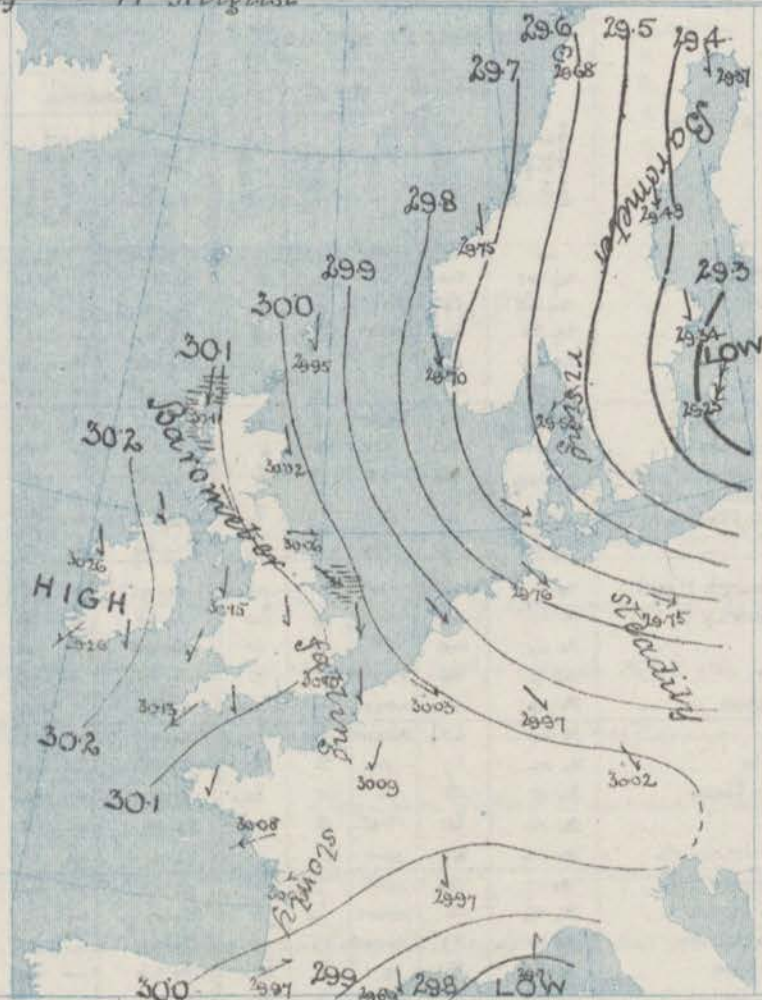
**Barometer** — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 \* — forces above 10; — forces 8 to 10;  
 — forces 5 to 7; — forces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

STATIONS.	MEAN READINGS.
Sumburgh Head.	29.806
Stornoway.	29.800
Wick.	29.822
Nairn.	29.820
Aberdeen.	29.835
Leith.	29.852
Shields.	29.876
York.	29.905
Ardrossan.	29.856
Donaghadee.	29.868
Holyhead.	29.893
Liverpool.	29.898
Valencia.	29.908
Roche's Point.	29.908
Pembroke.	29.910
Scilly.	29.951
Hurst Castle.	29.943
Dover.	29.943
LONDON.	29.943
Oxford.	29.929
Cambridge.	29.929
Yarmouth.	29.928



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

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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.	At 8 a.m.	
			Dry.	Wet.	
Sumburgh Head.	58.8	48.8	54.1	52.4	3.21
Stornoway.	58.5	49.2	55.8	53.9	3.57
Wick.	61.3	48.7	55.6	53.6	2.35
Nairn.	63.6	50.6	56.0	53.1	2.81
Aberdeen.	63.0	50.7	56.8	53.9	3.19
Leith.	66.3	52.2	58.1	56.2	2.62
Shields.	63.7	53.2	58.0	55.3	2.81
York.	68.2	51.8	58.7	56.0	2.47
Ardrossan.	62.7	54.0	57.8	55.0	4.03
Donaghadee.	61.2	52.0	57.3	55.9	2.99
Holyhead.	65.2	55.7	58.9	56.9	2.89
Liverpool.	66.3	54.7	59.2	56.1	2.79
Valencia.	65.4	54.7	59.8	57.1	4.65
Roche's Point.	67.5	54.7	59.4	56.8	3.59
Pembroke.	61.4	56.4	59.4	57.1	2.91
Scilly.	65.4	57.8	61.2	59.3	2.45
Hurst Castle.	67.9	56.8	61.7	59.8	2.31
Dover.	67.3	58.2	63.3	59.6	2.06
LONDON.	72.3	54.2	61.9	58.5	2.20
Oxford.	69.6	53.9	59.8	57.3	2.33
Cambridge.	71.9	52.8	60.7	57.9	2.25
Yarmouth.	66.9	55.7	61.4	58.5	2.17

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.2 in. and upwards, over and to the westward of Ireland; relatively high, 30.0 in. and upwards, over the whole of our islands, the north of France and South Germany. Lowest, 29.3 in. and less, over the Baltic; low, 29.8 in. & less, over the Gulf of Genoa.
TEMPERATURE	Highest, 76° at Nice, 73° at Sirpejnan, 68° at Biarritz, 67° at Lisbon, 66° at Rawle Point and 65° at Jersey. Lowest, 46° at Lumburg Head, 49° at Christiansund, Wick and Shields, 50° at Stornoway and 51° at Rode.
WIND	Strong from NW. or N. over Scandinavia & Denmark; moderate from the same quarters in the north of our islands. Light from N. or NE. over France and the southern part of Ireland and England.
WEATHER	Fine over England, Ireland, France and Spain. Cloudy or overcast elsewhere, with rain at Christiansund and passing showers at Aberdeen. Heavy rain fell yesterday at some of the Scandinavian stations and slight showers on our extreme N.W. & NW. coasts.
SEA	Rather rough at Stornoway and Spurn Head, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay over the Baltic yesterday has continued to travel south-eastwards and the barometer has therefore risen in Scandinavia, Denmark and Germany. Over our islands and France, however, a slight fall has taken place; and, although pressure is more uniform than of late, its distribution is becoming somewhat irregular.

There are slight indications of a shallow depression over Scotland, and this may possibly move southwards and occasion showers in many districts. No very decided change in the weather is, however, likely at present.

## FORECASTS

for the 24 hours ending at NOON on 12<sup>TH</sup> AUGUST 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N <sup>th</sup> winds, moderate or fresh; cloudy, local showers.	6 SCOTLAND WEST	Same as N <sup>os</sup> 1 and 2.
1 SCOTLAND EAST	N <sup>th</sup> and NW <sup>th</sup> winds, moderate; fair generally, but some showers.	7 ENGLAND N. W.	Same as N <sup>os</sup> 1 and 2.
2 ENGLAND N. E.	-----D-----D-----D-----	8 ENGLAND S. W.	N <sup>th</sup> and NE <sup>th</sup> winds, moderate, fair generally.
3 ENGLAND EAST	Same as N <sup>o</sup> 5.	9 IRELAND NORTH	Same as N <sup>o</sup> 0.
4 MIDLAND COUNTIES	Same as N <sup>o</sup> 5.	10 IRELAND SOUTH	Same as N <sup>o</sup> 8.
5 ENGLAND SOUTH	N <sup>th</sup> winds, light or moderate; fair generally, but perhaps local showers.	WARNINGS	NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.68	58	53	NW 8	c	5	Holyhead ...	30.22	58	52	NNW 5	b	5
Sumburgh Head	29.96	47	45	NNW 5	o	4	Valencia ...	30.34	66	57	N 3	bc	3
Stornoway ...	30.25	55	50	N 6	bc	6	Scilly ...	30.22	62	59	NNE 5	c	4
Aberdeen ...	30.11	56	51	NNW 7	q	3	Dungeness ...	30.08	69	60	NNE 4	bc	2
Shields ...	30.12	59	57	N 3	c	4	London ...	30.10	68	65	NNW 3	b	*
Ardrossan ...	30.18	61	61	NNW 6	b	5	Yarmouth ...	30.06	60	55	NNW 5	c	5
Malin Head ...	30.27	56	56	NNW 4	o	3	Jersey ...	30.16	69	59	NNW 3	b	3
Mullaghmore ...	30.32	60	54	NNW 5	c	4	Rochefort ...	30.12	77	70	NW 4	b	2
Belmullet ...	30.39	58	52	N 3	c	*							

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

The reports for yesterday morning showed that pressure varied from 30.3 ins. and more over the west of Ireland, and from 30.1 ins. in Portugal to about 28.3 ins. at Riga and St. Petersburg, near to which lay the centre of a large and somewhat deep depression. Gradients were moderate over our Islands, but somewhat steep over the North Sea, Baltic, and North Germany. The winds were light from the E. over Northern Europe, strong to a gale from NW over the North Sea and Baltic, and moderate to strong from NW in our Islands, while over Southwestern Europe they were light from NE. The weather was squally and showery in the northeast and east, fine and bright in the south. Temperature had risen over the Mediterranean, but fallen generally over the more northern parts of the Continent, and ranged from between 77° and 86° in the former region to rather below 50° in the northwest of Norway and the extreme north of the British Islands. The highest individual values were 86° at Florence, 85° at Barcelona, 84° at Oran, Tiflis, and Biskra, (Algeria) 82° at Turin and Cagliari, 76° at Malta and Trieste, and 77° at Palermo; the lowest were 48° at Lumburgh Hl., 49° at Niemi, 50° at Rode, 52° at Christiansund and 53° at Skidd. During the day the barometer continued to rise in our Islands.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Friday 12<sup>th</sup> AUGUST

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 55° 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 55° 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 ..	29.41	61	N	4	0	29.41	+ .04	60	57	+ 2	N	4	T	*	70	50	0.08	
Hernösand ...	29.35	57	NE	6	0	29.41	— .02	55	54	— 3	NNE	6	O	*	66	55	0.24	
Stockholm ...	29.29	54	NW	4	r	29.27	— .07	54	53	— 2	NNW	4	T	*	61	50	0.28	
Wisby ...	29.31	57	N	6	r	29.28	+ .03	53	53	— 6	NNW	6	T	*	61	?	0.43	
Bodö ...	29.69	52	NNE	2	0	29.65	— .03	53	51	+ 2	NNW	2	O	1	54	46	—	
Christiansund...	29.78	50	NNE	4	f	29.74	— .01	49	46	0	NNE	4	O	4	54	46	0.12	
Skudesnaes ...	29.66	54	NNW	8	C	29.60	— .10	55	51	+ 1	NNW	4	O	3	?	51	—	
Christiania Fjord (Færder)	29.52	63	W	4	bc	29.52	— .03	57	49	0	N	3	O	1	64	55	—	
Skagen (The Scaw)	29.54	57	NNW	1	b	29.53	.00	58	51	+ 1	NE	2	O	1	64	55	—	
Fanö ...	29.64	54	NW	4	C	29.65	— .04	55	51	— 6	WNW	6	C	*	?	52	0.12	
BRITISH ISLANDS.																		
Sumburgh Head	29.94	48	N	2	0	29.89	— .06	47	46	+ 1	N	2	O	3	52	43	0.02	
Stornoway ...	30.09	51	N	5	0	29.96	— .15	49	49	— 1	E	4	T	4	55	46	0.03	
Wick ...	30.02	49	N	4	0	29.92	— .11	48	47	— 1	N	1	O	0	54	44	0.07	
Nairn ...	30.05	54	WNW	2	C	29.94	— .12	51	48	— 1	Z	0	C	1	57	46	0.02	
Aberdeen...	30.01	51	NNW	4	r	29.93	— .09	50	48	— 3	NW	3	O	2	58	44	0.02	
Leith ...	30.01	62	WNW	2	bc	29.94	— .13	53	50	0	Z	0	O	*	66	51	—	
Shields ...	30.01	56	N	2	b	29.95	— .11	52	50	+ 3	NW	1	O	3	58	48	—	
Spurn Head ...	30.03	57	NNE	3	b	29.95	— .12	57	54	+ 4	SW	3	C	4	60	53	—	
York ...	30.03	61	NNW	1	C	29.97	— .13	53	50	— 1	WNW	1	O	*	65	49	—	
Loughborough	30.04	62	WNW	3	C	29.99	— .14	55	53	+ 1	WNW	2	O	*	65	51	—	
Ardrossan ...	30.05	58	WNW	5	b	29.94	— .16	58	54	+ 2	WNW	3	bc	2	62	49	—	
Malin Head ...	30.12	55	NNW	4	0	29.95	— .22	52	52	— 3	W	1	O	0	56	52	0.07	
Mullaghmore ...	30.16	56	NNW	5	0	29.99	— .22	52	51	— 4	SW	4	O	2	60	52	0.08	
Belmullet ...	30.23	57	N	3	bc	29.97	— .29	57	56	0	W	3	O	*	59	48	0.13	
Donaghadee ...	30.11	57	NNE	3	bc	29.99	— .17	55	52	+ 2	WNW	3	C	2	59	51	—	
Barrow-in-Furness	30.04	60	NW	3	bc	29.96	— .16	55	55	+ 2	SSW	1	sm	*	65	52	—	
Liverpool (Bidston)	30.06	58	WNW	2	bc	29.98	— .15	53	51	— 3	WSW	2	O	3	63	53	0.01	
Holyhead ...	30.10	56	NNW	3	bc	30.01	— .14	53	52	— 5	Z	0	T	0	60	52	0.03	
Parsonstown ...	30.15	60	Z	0	C	30.05	— .19	55	51	+ 1	Z	0	C	*	62	48	—	
Valencia ...	30.18	61	N	3	C	30.08	— .18	60	54	+ 2	N	1	bc	1	64	49	—	
Roche's Point...	30.15	62	NNE	4	0	30.04	— .20	57	52	0	N	2	O	2	64	51	—	
Penbroke ...	30.09	57	NNE	3	b	30.04	— .10	57	55	+ 1	N	1	C	1	61	49	—	
Scilly ...	30.07	60	NNE	5	b	30.01	— .12	60	57	0	NE	5	O	4	61	57	—	
Prawle Point ...	30.03	62	WSW	2	b	29.99	— .10	61	55	— 5	N	4	bc	4	68	51	—	
Jersey ...	30.07	65	N	3	b	29.96	— .11	63	59	— 2	NE	2	bc	2	68	57	—	
Hurst Castle ...	30.02	66	S	3	bc	30.00	— .08	61	56	0	NE	1	cm	1	72	53	—	
Dungeness ...	30.01	60	SE	2	b	29.99	— .08	59	58	0	SW	2	O	1	61	54	—	
London ...	30.02	64	S	3	bc	30.00	— .10	57	52	0	WNW	1	O	*	70	54	—	
Oxford ...	30.04	60	N	2	0	30.01	— .10	55	50	— 3	N	1	C	*	68	49	—	
Cambridge ...	30.02	61	N	1	bc	29.99	— .11	58	52	+ 2	W	1	O	*	69	50	—	
Yarmouth ...	30.02	58	NNW	3	bc	29.98	— .06	56	52	0	WNW	1	C	3	62	49	—	
Cuxhaven ...	29.68	53	NW	8	r	29.79	+ .03	59	55	+ 3	NW	5	C	*	?	53	0.30	
Berlin ...	29.70	55	W	4	0	29.58	+ .05	55	52	— 2	WNW	5	C	*	63	52	0.04	
Wiesbaden ...	*	*	*	*	*	30.01	+ .04	54	50	— 6	NW	3	O	*	66	43	—	
Munich ...	29.95	57	NW	3	0	30.03	+ .01	53	47	0	NW	3	O	*	64	46	—	
FRANCE & NETHERLANDS.																		
The Helder ...	29.94	57	NW	4	C	29.92	— .01	57	51	+ 1	NW	3	C	3	59	54	—	
Brussels ...	*	*	*	*	*	30.01	— .02	54	50	— 4	WSW	1	O	*	64	46	—	
Cape Gris Nez...	30.04	60	NE	3	b	30.01	— .06	57	51	— 1	S	1	O	1	64	50	—	
Paris ...	29.99	71	SE	3	bc	30.02	— .07	57	51	+ 1	NNE	3	bc	*	73	52	—	
Brest ...	30.04	64	N	5	b	29.99	— .02	57	53	+ 2	NE	3	O	3	72	50	—	
Lorient ...	29.97	68	W	3	b	29.96	— .12	59	57	+ 2	E	4	O	2	79	54	—	
Rockfort ...	29.95	75	N	4	b	29.94	— .11	61	57	+ 1	ENE	3	O	2	88	55	—	
Belfort ...	29.94	66	NNW	3	C	29.97	— .04	58	51	— 1	NNE	4	O	*	73	45	—	
Lyons ...	29.89	69	N	3	b	29.93	— .04	57	51	0	N	1	O	*	72	53	—	
Nice ...	29.73	75	SW	1	b	29.78	+ .07	70	63	— 3	Z	0	O	1	86	66	—	
Perpignan ...	29.79	82	NW	1	b	29.85	— .04	72	66	— 1	NW	1	O	*	89	61	—	
Biarritz ...	29.89	74	NE	5	b	29.84	— .13	69	65	+ 1	SE	4	C	1	77	64	—	
Corunna ...	*	*	*	*	*													
Lisbon ...	29.90	74	WNW	5	C	29.79	— .20	69	66	+ 2	SSW	3	C	2	77	64	—	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

Friday 12<sup>th</sup> August

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.

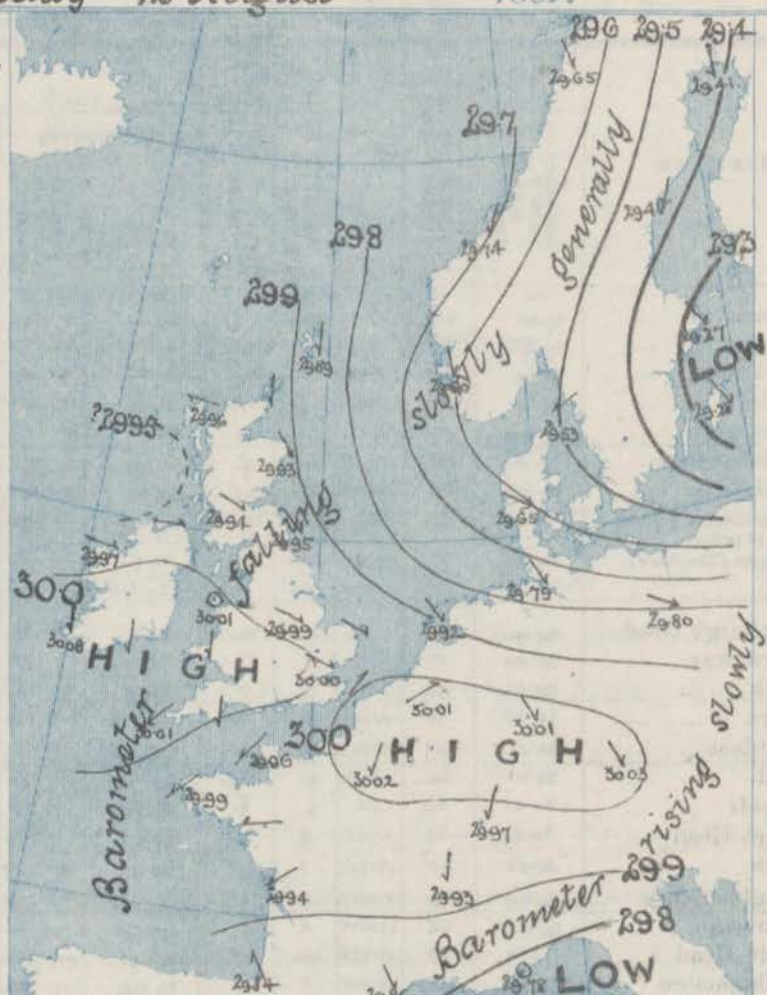
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.806
Stornoway	29.800
Wick	29.822
Nairn	29.820
Aberdeen	29.835
Leith	29.852
Shields	29.876
York	29.905
Ardrossan	29.856
Donaghadee	29.888
Holyhead	29.893
Liverpool	29.898
Valencia	29.908
Roche's Point	29.908
Pembroke	29.910
Scilly	29.951
Hurst Castle	29.949
Dover	29.945
LONDON	29.913
Oxford	29.929
Cambridge	29.929
Yarmouth	29.928





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.0 in. and upwards, on ~~an~~ anticyclonic systems lying respectively over the southwest of our island & the N.E. of France.  
Lowest, 29.5 in. and less, in a depression lying over the Baltic.  
A shallow disturbance is apparently lying off the west of Scotland.

## TEMPERATURE

Highest, 72° at Perpignan and Nice, 69° at Biarritz and Lister, 63° at Jersey and 61° at Beaulieu, Huelgoat and Redoubt.  
Lowest, 47° at Lumburg Head, 48° at Wick, 49° at Christiansund and Stornoway and 50° at Aberdeen.

## WIND

Moderate to strong from the N. in Scandinavia; light from NW on the east coast of Great Britain.  
Light from NE. over France and the South of England.  
Moderate W. or SW. in the northwest of our islands; E. at Stornoway.

## WEATHER

Fine over France, Germany and the southwest of our islands.  
Cloudy or overcast elsewhere, with rain in the south of Sweden and the northern parts of Ireland & Scotland.  
[Rain fell yesterday at many of the Scandinavian stations and slight showers in Scotland & the north of England.]

## SEA

moderate to smooth.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The high pressure system recently noticed over our western coasts is now giving way, and the barometer is falling generally. The lowest readings are still found in a depression which is lying over the Baltic, but a shallow disturbance is apparently advancing towards the west of Scotland from the Atlantic.

The distribution of pressure over our islands is becoming very irregular, and a gradual change to unsettled, rainy weather is probable. The shallow depression off the west of Scotland may possibly move southwards.

## FORECASTS

for the 24 hours ending at NOON on 13<sup>th</sup> AUGUST 1887.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	Light variable breezes, dull; unsettled, some rain.
1	SCOTLAND EAST	.....D.....D.....D.....
2	ENGLAND N.E.	Light breezes, chiefly W. fair to unsettled and some rain.
3	ENGLAND EAST	.....D.....D.....D.....
4	MIDLAND COUNTIES	.....D.....D.....D.....
5	ENGLAND SOUTH	Variable breezes, finally W. fair at first, unsettled later, probably some rain.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	SW. to W. winds, light or moderate; dull, some rain.
7	ENGLAND N.W.	.....D.....D.....D.....
8	ENGLAND S.W.	NE. to N. winds, moderate, fair generally.
9	IRELAND NORTH	Same as N <sup>os</sup> 6 and 7.
10	IRELAND SOUTH	N. or NW winds, light, fair generally.

### WARNINGS

NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.70	56	51	NW 8	c	4	Holyhead ...	30.14	59	54	NNW 3	c	3
Sumburgh Head ...	29.96	50	48	N 2	o	3	Valencia ...	30.22	60	57	N 2	o	2
Stornoway ...	30.11	54	52	N 5	ap	5	Scilly ...	30.10	61	58	NE 5	bc	4
Aberdeen ...	30.03	58	53	NNW 5	c	3	Dungeness ...	30.03	60	57	ENE 1	o	1
Shields ...	30.03	57	52	N 3	ap	3	London ...	30.04	65	54	N 3	bc	*
Ardrossan ...	30.08	60	56	VNW 5	b	4	Yarmouth ...	30.04	59	53	NNW 4	bc	4
Malin Head ...	30.15	56	52	NNW 3	o	3	Jersey ...	30.04	65	59	WSW 3	b	3
Mullaghmore ...	30.19	55	53	NNW 5	c	3	Rocheport ...	30.01	84	71	NE 2	b	2
Belmullet ...	30.24	58	52	NNE 3	bc	-							

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

The reports for yesterday morning showed that pressure was highest 30.2 ins: and upwards in an anticyclone lying over and to the westward of Ireland, and lowest 29.1 ins: and less, in a large area lying over Northern Russia. Areas of relatively low pressure were, however, situated over Central Europe and the western parts of the Mediterranean. Strong NW or N<sup>W</sup> breezes prevailed in Scandinavia and Denmark, and W<sup>W</sup> breezes on the eastern shores of the Baltic, but elsewhere the wind was light or moderate in force — from NW. or N. in the north of our Islands, from NE. at our southern and the French stations and from varying directions in Southern Europe. Rain was falling at many of the Scandinavian and Baltic stations, and passing showers in the northeast of England, but elsewhere the weather remained fair or fine.

Temperature had risen a little over Scandinavia as well as in Algeria and Southern Italy, but fallen elsewhere; readings ranged from 75° and upwards over Algeria and Southern Europe to 55° or less over Norway, the north of our Islands and Western Russia. The highest individual readings were 84° at Cagliari, 83° at Oran, 81° at Nemours, Algiers, Biskra and Barcelona, 80° at Tunis, 79° at Brindisi and Palermo; the lowest were 46° at Sumburgh Head, 49° at Christiansund, Wick and Shields, 50° at Stornoway and 51° at Bodö.

In the course of the day pressure over our Islands decreased slowly but steadily, and cloudy weather became more prevalent than of late. The maximum readings of the thermometers were below 70° at all stations excepting Hurst Castle and London, and below 60° in the northern and northwestern districts.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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



# DAILY WEATHER REPORT.

for Saturday 13<sup>th</sup> Aug<sup>r</sup>

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 8 <sup>h</sup> 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 <sup>h</sup> p.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 ...	29.43	58	...	...	...	29.37	-0.04	59	57	-1	...	...	...	...	...	68	57	0.16
Hernösand ...	29.42	59	NNW	4	0	29.47	+0.05	59	57	+4	N	2	0	...	...	70	54	0.16
Stockholm ...	29.49	57	NNW	2	bc	29.54	+0.05	58	55	+4	W	4	0	...	...	63	52	0.04
Wisby ...	29.50	55	ENE	6	c	29.58	+0.08	58	55	+5	W	4	0	...	...	?	52	0.04
Bodo ...	29.60	52	N	2	0	29.60	-0.05	52	51	-1	WSW	1	0	1	...	65	46	-
Christiansund ...	29.74	49	NNE	4	r	29.71	-0.03	49	48	-1	NNE	1	r	3	...	50	45	0.12
Skudesnaes ...	29.66	52	NTW	6	0	29.67	+0.01	51	50	-1	NTW	4	r	3	...	57	?	0.16
Christiania Fjord (Farder)	29.58	57	NNW	3	0	29.62	+0.04	55	52	-3	NNW	2	c	1	...	59	54	-
Skagen (The Scaw)	29.59	57	...	...	...	29.62	+0.03	57	53	-4	NNW	2	bc	1	...	65	50	-
Faro ...	29.73	55	NNW	6	c	29.72	+0.01	56	57	+1	WSW	4	c	...	...	59	52	-
BRITISH ISLANDS.																		
Sumburgh Head	29.91	46	N	2	c	29.88	-0.03	46	41	-5	N	2	c	3	...	52	41	-
Stornoway ...	29.99	51	E	4	0	29.04	+0.05	50	49	-1	...	...	...	...	...	52	39	0.02
Wick ...	29.96	49	N	3	0	29.95	+0.01	51	46	-5	N	2	bc	1	...	55	40	0.16
Nairn ...	29.94	51	NE	2	0	29.99	+0.05	48	46	-2	N	2	c	1	...	58	44	0.03
Aberdeen ...	29.91	51	N	3	r	29.95	+0.04	49	45	-4	NNW	4	c	1	...	56	45	0.01
Leith ...	29.90	53	E	2	0	29.95	+0.05	51	47	-4	NE	2	bc	...	...	58	47	0.10
Shields ...	29.92	54	NE	2	0	29.88	-0.04	51	49	-2	NNE	4	r	4	...	56	48	0.38
Spurn Head ...	29.89	59	ESE	3	c	29.89	-0.06	55	54	-1	NE	4	cp	3	...	61	52	0.04
York ...	29.89	58	WSW	1	0	29.86	-0.03	57	50	-7	NNE	1	r	...	...	63	50	-
Loughborough	29.91	60	NNW	1	0	29.85	-0.06	54	53	-1	NNW	1	agm	...	...	65	52	-
GERMANY.																		
Ardrossan	29.88	56	W	1	op	29.95	+0.07	49	47	-2	NE	3	om	2	...	59	46	0.06
Malin Head ...	29.90	54	N	4	op	29.97	+0.07	49	49	0	NNE	3	or	2	...	56	49	0.23
Mullaghmore	29.86	58	NNE	4	cp	29.96	+0.10	55	51	-4	N	6	c	6	...	62	51	0.10
Belmullet ...	29.91	57	NNE	5	r	30.03	+0.12	54	53	-1	NNE	5	bc	...	...	60	51	0.08
Donaghadee ...	29.90	54	ENE	3	r	29.93	-0.07	52	50	-2	ENE	5	0	3	...	58	50	0.01
FRANCE & NETHERLANDS.																		
Barrow-in-Farness	29.88	59	WNW	2	0	29.86	-0.02	52	52	0	N	2	0	...	...	61	52	-
Liverpool (Midton)	29.90	57	WNW	1	0	29.85	-0.05	54	53	-1	...	...	...	...	...	61	52	0.07
Holyhead ...	29.91	56	SW	2	0	29.86	-0.05	54	53	-1	NE	1	c	2	...	62	51	0.53
Parsonstown ...	29.88	59	NNW	1	c	29.96	+0.08	53	50	-3	NTW	4	0	...	...	62	48	0.13
Valencia ...	29.93	59	NW	2	om	30.00	+0.07	56	54	-2	NNE	3	0	2	...	64	53	0.07
Roche's Point...	29.91	59	NNW	4	p	29.93	-0.02	56	52	-4	NNW	4	b	3	...	65	52	-
Pembroke ...	29.92	57	NW	2	c	29.82	-0.10	55	55	0	NE	3	cp	3	...	59	53	0.16
Scilly ...	29.93	61	NNE	1	bc	29.83	-0.10	61	60	-1	NNW	2	c	2	...	63	55	0.01
Prawle Point ...	29.90	61	SW	2	b	29.83	-0.07	61	56	-5	WNW	1	bc	0	...	67	48	-
Jersey ...	29.87	69	NNW	3	bc	29.87	-0.01	63	58	-5	NW	2	bc	2	...	71	53	-
SPAIN.																		
Hurst Castle ...	29.92	65	WSW	2	cm	29.82	-0.10	63	58	-5	ENE	1	bc	1	...	70	51	-
Dungeness ...	29.90	64	SW	1	bc	29.77	-0.13	60	58	-2	S	4	0	3	...	66	57	-
London ...	29.88	64	SSW	1	0	29.82	-0.06	59	53	-6	ENE	1	0	...	...	70	47	-
Oxford ...	29.87	62	NW	1	0	29.82	-0.05	59	51	-8	NE	1	0	...	...	67	51	0.15
Cambridge ...	29.88	62	W	1	c	29.82	-0.06	59	53	-6	E	1	r	...	...	68	51	0.46
Yarmouth ...	29.89	61	SE	1	c	29.83	-0.06	59	53	-6	W	1	or	3	...	63	52	0.09
Cuxhaven ...	29.84	54	WNW	4	0	29.84	+0.05	56	55	-1	W	1	r	...	...	60	53	0.06
Berlin ...	29.88	59	W	4	0	29.91	+0.03	57	54	-3	SW	2	0	...	...	63	54	-
Wiesbaden ...	...	...	...	...	...	29.89	-0.02	55	50	-5	...	...	...	...	...	64	46	-
Munich ...	29.97	56	NE	2	b	29.92	-0.05	61	56	-5	SE	3	b	...	...	64	46	-
PORTUGAL.																		
The Helder ...	29.91	58	W	1	c	29.82	-0.09	54	52	-2	S	1	r	1	...	59	52	-
Brussels ...	...	...	...	...	...	29.82	-0.09	54	53	-1	SSE	1	b	...	...	66	49	-
Cape Gris Nez...	29.91	64	S	1	b	29.78	-0.13	59	51	-8	NNW	4	0	2	...	70	54	-
Paris ...	29.91	65	E	1	b	29.82	-0.09	59	50	-9	...	...	...	...	...	73	46	-
Brest ...	29.91	66	N	4	b	29.87	-0.04	57	51	-6	N	4	b	2	...	73	55	-
Lorient ...	29.88	70	NNW	3	b	29.84	-0.04	57	55	-2	NNE	5	b	2	...	77	55	-
Rocheport ...	29.84	77	ENE	5	b	29.79	-0.05	62	60	-2	NE	4	c	2	...	90	57	-
Belfort ...	29.88	67	NE	1	b	29.86	-0.02	59	51	-8	NNE	1	0	...	...	79	44	-
Lyons ...	29.84	72	NE	1	c	29.84	-0.04	63	56	-7	E	1	0	...	...	75	?	-
Nice ...	29.80	74	SSE	1	b	29.92	+0.12	75	64	-11	...	...	...	...	...	78	66	-
Perpignan ...	29.80	75	E	4	0	29.79	-0.01	72	70	-2	...	...	...	...	...	73	47	-
Biarritz ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
PORTUGAL.																		
Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lisbon ...	29.77	69	W	4	c	29.87	+0.10	67	64	-3	W	4	c	2	...	75	64	0.04

For Explanation of Columns, see p. 4. + Received too late for insertion in charts.



# WEATHER CHARTS

for 8 a.m. on

Saturday 13 August

1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

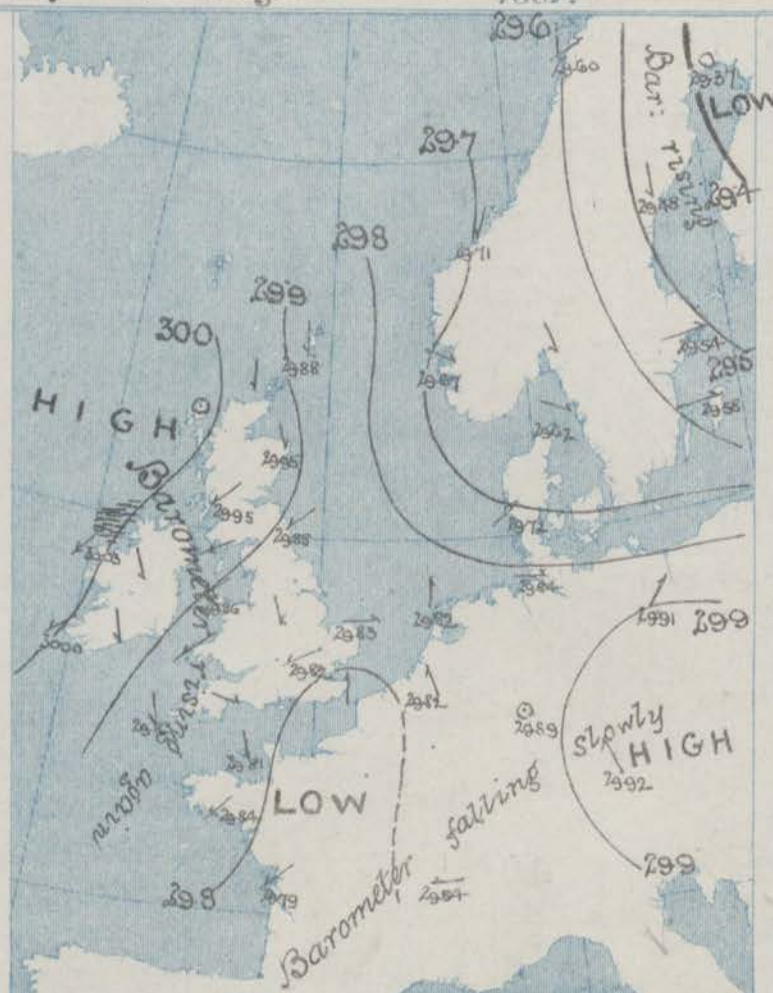
**Barometer** — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 — = forces above 10; — = forces 8 to 10;  
 — = forces 5 to 7; —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

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.806
Stornoway	29.800
Wick	29.822
Nairn	29.829
Aberdeen	29.835
Leith	29.852
Shields	29.870
York	29.905
Ardrossan	29.853
Donaghadee	29.868
Holyhead	29.893
Liverpool	29.898
Valencia	29.908
Roche's Point	29.908
Pembroke	29.910
Scilly	29.951
Hurst Castle	29.949
Dover	29.945
LONDON	29.913
Oxford	29.929
Cambridge	29.929
Yarmouth	29.928



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

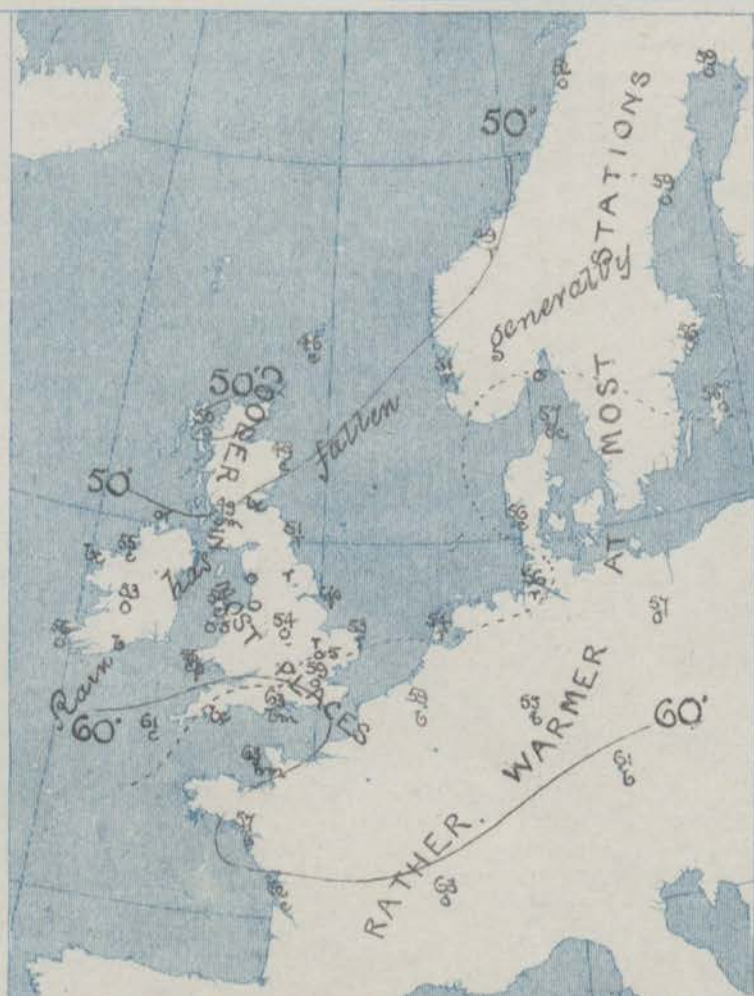
**Temperature** — Isotherms are drawn for each 10° Changes since previous morning are stated in words.  
**Weather** is shown by Letters of the Beaufort Scale.  
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more,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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Deg.	Wet.	
Sumburgh Head	58.3	48.8	54.1	52.4	3.21
Stornoway	58.5	49.2	55.8	53.9	3.57
Wick	61.3	48.7	55.6	53.6	2.35
Nairn	63.6	50.6	56.0	53.1	2.81
Aberdeen	63.0	50.7	56.8	53.9	3.13
Leith	66.3	52.2	58.1	55.2	2.62
Shields	63.7	53.2	58.0	55.3	2.81
York	68.2	51.8	58.7	56.0	2.47
Ardrossan	62.7	54.0	57.8	55.0	4.08
Donaghadee	61.2	52.0	57.3	55.9	2.99
Holyhead	65.2	55.7	58.9	56.9	2.89
Liverpool	66.3	54.7	59.2	56.1	2.79
Valencia	65.4	54.7	59.8	57.1	4.65
Roche's Point	67.5	54.7	59.4	56.8	3.59
Pembroke	64.4	56.4	59.4	57.1	2.91
Scilly	65.4	57.8	61.3	59.3	2.45
Hurst Castle	67.9	56.8	61.7	59.8	2.31
Dover	67.3	58.2	63.3	59.6	2.06
LONDON	72.3	54.2	61.9	58.5	2.20
Oxford	69.6	53.9	59.8	57.3	2.33
Cambridge	71.9	52.8	60.7	57.9	2.25
Yarmouth	66.9	55.7	61.4	58.5	2.17

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





## GENERAL SITUATION AT 8 A.M.

PRESSURE	{ Highest, 30.0 in. & upwards, off the west coast of Ireland & Scotland; relatively high, 29.9 in. & upwards, over Germany. Lowest, 29.4 in. & less in the north of Sweden; relatively low, 29.8 in. and less, over France.
TEMPERATURE	{ Highest, 67° at Linton, 65° at Hurst Castle, Jersey and Lynn, 62° at Rochefort and 61° at Scilly, Braze Point and Tunnish. Lowest, 46° at Lumburgh Head, 48° at Naava and 49° at Christiansund, Aberdeen and Neelin Head. [The maxima registered yesterday were below 60° at many of our northern stations.]
WIND	{ N or NE over our islands and the west of France, light or moderate in force generally, but fresh or strong in the north of Ireland. NW over Scandinavia and Denmark; S or SE over Germany and the Netherlands.
WEATHER	{ Rainy in the east of England, and also in the Netherlands and west of Norway. Varying considerably elsewhere, but fine in the north and east of Scotland and also on our southwest coast. [Since yesterday morning rain has fallen at all but our extreme southern and one or two of our E. stations.]
SEA	{ Rough at Mullaghmore, but moderate to smooth elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depressions which appeared over our islands during the latter part of yesterday are now passing away in a southerly direction, the barometer is rising at most of our western and northern stations, and a new high pressure system has appeared off our western coast.

The rainy weather at present reported in many parts of England seems to be only temporary.

The new high pressure area in the west is apparently extending eastwards, and N winds, with fair weather are therefore likely to spread over England.

## FORECASTS

for the 24 hours ending at NOON on 14<sup>th</sup> AUGUST 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	N winds, moderate; fair generally, but local showers.	6 { SCOTLAND WEST	N and NE winds, moderate; fair generally, but some showers.
1 { SCOTLAND EAST	.....	7 { ENGLAND N. W.	.....
2 { ENGLAND N. E.	N & NE winds, moderate; unsettled, showery.	8 { ENGLAND S. W.	.....
3 { ENGLAND EAST	Same as N° 5.	9 { IRELAND NORTH	Same as N° 2.
4 { MIDLAND COUNTIES	Same as N° 5.	10 { IRELAND SOUTH	Same as N° 6 to 8.
5 { ENGLAND SOUTH	Light breezes, chiefly NE; changeable, some rain.	WARNINGS	NONE ISSUED.

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	29.65	57	52	NW 7	c	4	Holyhead ...	29.97	62	55	WNW 1	b	1
Sumburgh Head ...	29.91	50	45	N 7	o	3	Valencia ...	30.00	60	54	SW 3	ond	3
Stornoway ...	29.99	51	49	E 4	op	4	Scilly ...	29.98	63	58	N 2	b	4
Aberdeen ...	29.91	55	52	NW 3	o	1	Dungeness ...	29.95	64	59	SW 3	c	2
Shields ...	29.97	54	52	NE 2	op	3	London ...	29.93	67	58	NW 3	c	*
Ardrossan ...	29.91	57	55	W 2	r	2	Yarmouth ...	29.94	62	59	SSE 3	bc	3
Malin Head ...	29.90	53	53	ENE 3	o	1	Jersey ...	29.90	70	61	NNW 3	b	3
Mullaghmore ...	29.89	60	58	WNW 4	op	3	Rochefort ...	29.90	83	71	E 5	b	2
Belmullet ...	29.93	60	58	NW 3	c	.							

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

The reports for yesterday morning showed that while areas of high pressure, 30.0 ins. and upwards, were lying respectively over our southwest coast and the northwest of France, the lowest readings 29.1 ins. and less, were found in a small but well defined depression the centre of which lay over the Gulf of Riga. Moderate or fresh N<sup>W</sup> breezes prevailed in Scandinavia, NW breezes over the North Sea, the Netherlands, and Germany, and W<sup>W</sup> breezes on the shores of the Baltic, but in France the wind was NE<sup>W</sup> while over Italy and Algeria it was light and variable. The weather was rainy in Sweden and also on the eastern shores of the Baltic, but fair in most other localities; over our Islands, however, the sky had become somewhat cloudy. Temperatures had fallen a little in Sweden and Germany, but elsewhere the changes were slight and irregular, readings ranged from 80° and upwards over Algeria and Southern Italy to 50° or less in the west of Norway and the extreme north of the British Islands. The highest individual readings were 87° at Biskra, 83° at Tunis and Algiers, 82° at Brindisi and Palermo, and 81° at Oran and Cagliari; the lowest 47° in the Shetlands, 48° at Wick, 49° at Christiansund and Stornoway, 50° at Aberdeen and Carrel, and 51° at Breslau.

In the course of the day the high pressure system over our southwest coast dispersed, and two or three small depressions appeared over our Islands occasioning rain at all but our extreme southern stations.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Sunday 14<sup>th</sup> August 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.)	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	29.41	55	E	2	r		29.44	+ .07	54	54	- .5	E	1	r	*	64	54	0.55	
Hernösand	29.45	57	Z	0	c		29.41	- .06	57	55	- .2	W	2	c	*	68	55	0.12	
Stockholm	29.58	58	Z	0	o		29.55	+ .01	57	52	- .5	WSW	4	bc	*	64	50	0.04	
Wisby	29.65	59	W	4	o		29.63	+ .05	56	51	- .5	W	4	o	*	64	55	-	
Bodö	29.52	53	Z	0	o		29.41	- .19	53	52	+ .1	Z	0	o	0	?	54	50	-
Christiansund	29.65	50	NNE	2	f		29.57	- .14	50	48	+ .1	WNW	4	r	4	32	46	0.47	
Skudesnaes	29.67	50	WNW	5	r		29.60	- .07	52	52	+ .1	WNW	5	r	3	32	50	-	
Christiania Fjord (Farder)	29.55	59	SSW	2	b		29.49	- .13	55	53	0	NNW	2	o	3	61	55	-	
Skagen (The Sow)	29.60	54	W	3	c		29.53	- .09	55	51	- .4	W	5	o	4	61	52	-	
Fanö	29.73	53	W	4	c		29.71	- .01	55	49	- .6	WNW	4	c	*	61	50	0.04	
BRITISH ISLANDS.																			
Sumburgh Head	29.79	49	N	2	o		29.78	- .10	47	46	+ .1	N	2	r	2	50	44	0.03	
Stornoway	29.97	52	NE	4	b		29.96	- .08	48	48	- .2	NW	3	ag	3	56	43	0.05	
Wick	29.91	49	N	2	bc		29.88	- .07	55	54	+ .1	N	4	op	1	57	44	0.09	
Nairn	29.94	52	NNW	2	bc		29.95	- .04	49	48	+ .1	NW	1	c	1	57	45	0.03	
Aberdeen	29.91	54	NNW	3	c		29.90	- .05	52	47	+ .5	NW	4	bc	2	57	44	0.02	
Leith	29.93	55	ESE	1	b		29.95	0.00	55	49	+ .6	W	2	b	*	63	44	-	
Shields	29.94	53	N	2	b		29.94	+ .06	47	44	- .3	W	3	c	2	56	41	0.05	
Spurn Head	29.89	52	NNE	4	r		29.95	+ .06	53	50	- .3	WNW	3	b	3	56	46	0.10	
York	29.93	51	N	3	o		29.97	+ .11	51	46	- .5	WNW	1	b	*	54	37	0.15	
Loughborough	29.90	51	N	2	r		30.01	+ .16	53	48	- .5	WNW	2	b	*	57	40	0.07	
Ardrossan	29.95	59	WNW	3	bc		30.04	+ .09	54	48	+ .6	NNW	2	bc	1	56	43	-	
Malin Head	30.01	54	N	3	c		30.01	+ .04	54	51	+ .3	NNW	4	bc	3	55	49	0.07	
Mullaghmore	30.04	56	NNE	5	cv		30.08	+ .12	54	51	- .3	SW	3	bc	2	58	44	0.02	
Belmullet	30.08	55	NNE	5	b		30.09	+ .06	52	50	- .2	SSE	4	c	*	57	42	-	
Donaghadee	29.99	55	NNE	5	bc		30.04	+ .11	52	49	- .3	NNE	4	b	3	59	48	-	
Barrow-in-Furness	29.95	55	NE	3	c		29.99	+ .13	53	53	+ .1	NNW	3	bc	*	54	43	0.02	
Liverpool (Bidston)	29.94	50	NE	1	o		30.00	+ .15	52	49	- .3	SSW	1	bc	3	56	46	0.22	
Holyhead	29.96	54	NNW	4	cp		30.04	+ .18	57	51	+ .6	NNW	3	b	3	58	46	0.05	
Parsonstown	30.00	59	N	2	bc		30.12	+ .17	49	46	- .3	Z	0	b	*	62	35	-	
Valencia	30.03	59	N	2	b		30.09	+ .09	57	51	+ .6	ENE	1	b	1	62	44	-	
Roche's Point	29.96	67	N	3	b		30.07	+ .14	54	49	- .5	N	2	b	2	68	48	-	
Pembroke	29.82	57	N	5	bc		30.05	+ .23	56	53	+ .3	NNE	3	b	1	60	48	-	
Scilly	29.90	60	NNE	6	c		30.01	+ .18	60	58	- .2	NE	4	bc	4	63	57	-	
Prawle Point	29.84	63	ENE	2	bc		30.02	+ .19	58	54	- .4	NNE	2	cm	2	70	47	-	
Jersey	29.85	64	WNW	3	b		29.97	+ .16	62	57	- .5	N	3	bc	3	67	57	-	
Harat Castle	29.87	66	ENE	3	c		29.99	+ .17	58	54	- .4	NE	3	c	2	70	50	-	
Dungeness	29.78	63	N	4	c		29.92	+ .15	58	50	- .8	NNE	4	c	3	68	52	-	
London	29.83	61	NE	2	o		29.99	+ .17	54	50	- .4	N	3	c	*	67	41	0.02	
Oxford	29.93	55	NNW	3	o		30.02	+ .20	52	46	- .6	N	3	bc	*	63	47	-	
Cambridge	29.84	57	NNE	1	o		30.00	+ .18	53	49	- .4	N	1	c	*	65	47	0.05	
Yarmouth	29.84	56	NE	3	c		29.94	+ .11	55	51	+ .4	NNW	3	bc	3	60	50	0.48	
Cuxhaven	29.83	53	WNW	1	o		29.83	- .01	55	54	- .1	WSW	1	o	*	60	53	0.14	
Berlin	29.78	63	NNE	3	o		29.80	- .11	59	54	+ .5	Z	0	bc	*	68	54	-	
Wiesbaden	*	*	*	*	*		29.80	- .09	60	55	+ .5	SE	2	c	*	?	?	-	
Munich	*	*	*	*	*		29.80	- .09	60	55	+ .5	SE	2	c	*	?	?	-	
GERMANY.																			
The Helder	29.83	55	NE	1	o		29.87	+ .05	56	57	+ .1	N	1	c	2	57	54	0.24	
Brussels	*	*	*	*	*		29.90	+ .08	57	53	- .4	NNE	3	b	*	74	51	-	
Cape Gris Nez	29.80	61	NNE	5	o		29.90	+ .12	59	55	- .4	NNE	5	o	4	72	55	-	
Paris	29.76	76	NNW	1	bc		29.93	+ .11	56	52	+ .4	N	3	b	*	79	52	-	
Brest	29.91	63	W	1	b		29.99	+ .12	57	53	- .4	N	4	o	3	73	50	-	
Lorient	29.84	68	WNW	5	b		29.96	+ .12	57	55	- .2	NE	1	bc	2	?	55	-	
Rochefort	29.82	70	NW	7	c		29.98	+ .19	59	57	- .2	N	5	b	2	79	54	-	
Belfort	29.83	63	Z	0	r		29.93	+ .07	63	61	+ .2	SW	1	o	*	68	56	0.39	
Lyons	29.85	65	S	1	o		29.95	+ .11	63	61	- .2	W	1	o	*	73	59	1.22	
Nice	29.84	75	E	3	c		29.84	- .08	73	64	- .9	W	1	b	0	82	64	-	
Perpignan	29.88	81	SSE	7	c		29.93	+ .14	72	64	- .8	W	3	b	*	89	65	-	
Biarritz	29.86	71	WSW	5	c		30.01	+ .15	70	66	- .4	NNW	4	c	2	73	64	0.63	
Corunna	*	*	*	*	*		29.95	+ .11	65	62	+ .3	NNE	1	c	2	68	54	-	
Lisbon	29.94	68	WNW	5	b		29.99	+ .12	67	62	- .5	Z	0	o	2	75	64	-	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Sunday 14<sup>th</sup> August.

1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

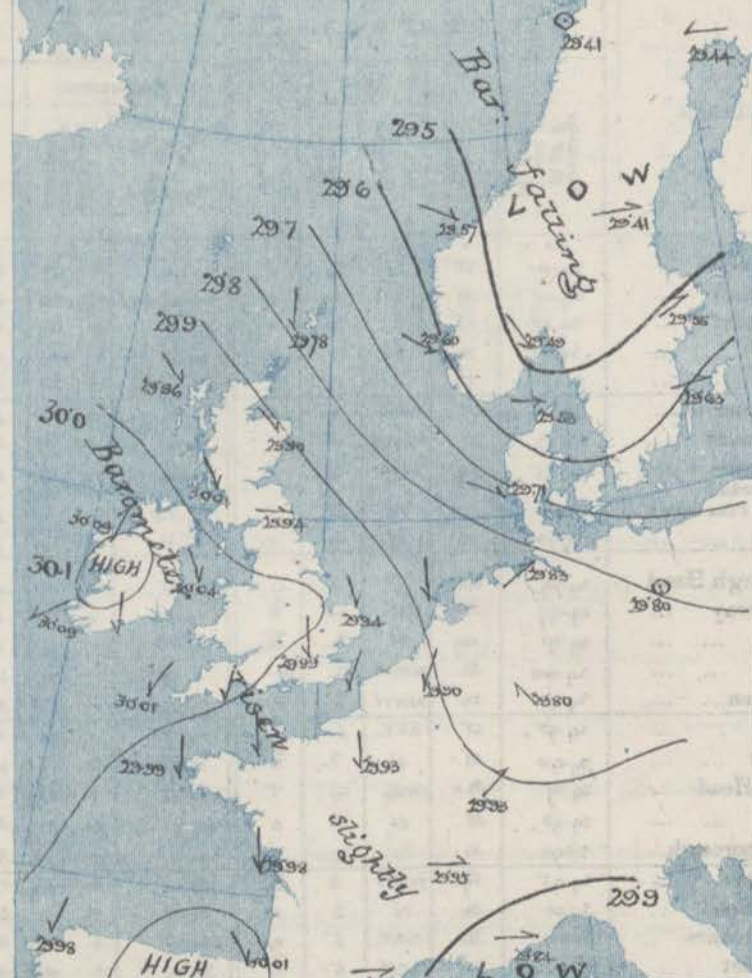
**Barometer** — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 — = forces above 10; — = forces 8 to 10;  
 — = forces 5 to 7; —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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.806
Stornoway	29.800
Wick	29.822
Nairn	29.829
Aberdeen	29.835
Leith	29.852
Shields	29.876
York	29.905
Ardrossan	29.856
Donaghadee	29.868
Holyhead	29.893
Liverpool	29.898
Valencia	29.908
Roche's Point	29.908
Pembroke	29.910
Scilly	29.951
Hurst Castle	29.949
Dover	29.945
LONDON	29.913
Oxford	29.929
Cambridge	29.929
Yarmouth	29.928



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

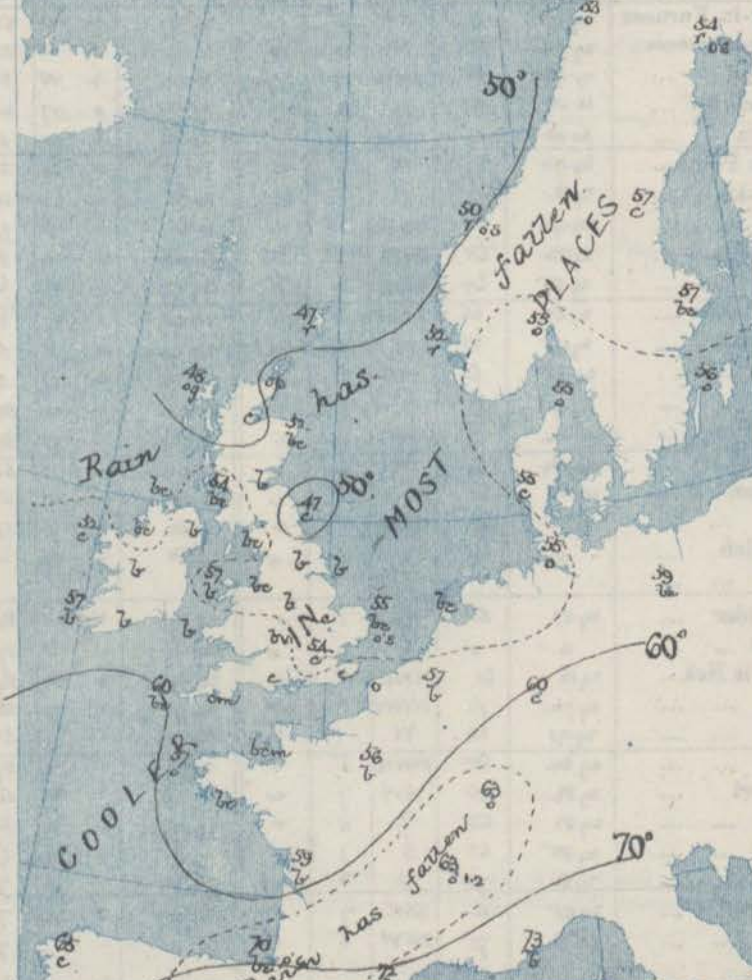
**Temperature** — Isotherms are drawn for each 10° changes since previous morning are stated in words.  
**Weather** — is shown by Letters of the Beaufort Scale.  
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more,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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	58.3	48.8	54.1	52.4	3.21
Stornoway	58.5	49.2	55.8	53.9	3.57
Wick	61.3	48.7	55.6	53.6	2.35
Nairn	63.6	50.6	56.0	53.1	2.81
Aberdeen	63.0	50.7	56.8	53.9	3.13
Leith	66.3	52.2	58.1	55.2	2.62
Shields	63.7	53.2	58.0	55.3	2.81
York	68.2	51.8	58.7	56.0	2.47
Ardrossan	62.7	54.0	57.8	55.0	4.08
Donaghadee	61.2	52.6	57.3	55.9	2.99
Holyhead	65.2	55.7	58.0	56.9	2.89
Liverpool	66.3	54.7	59.2	56.1	2.79
Valencia	65.4	54.7	59.8	57.1	4.65
Roche's Point	67.5	54.7	59.4	56.8	3.59
Pembroke	64.4	56.4	59.4	57.1	2.91
Scilly	65.4	57.8	61.3	59.3	2.45
Hurst Castle	67.9	56.8	61.7	59.8	2.31
Dover	67.3	58.2	63.3	59.6	2.06
LONDON	72.3	54.2	61.9	58.5	2.20
Oxford	69.6	53.9	59.8	57.3	2.33
Cambridge	71.9	52.8	60.7	57.9	2.25
Yarmouth	66.0	55.7	61.4	58.5	2.17

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





## GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.1 ins. and upwards, over Central Ireland; relatively high 30.0 ins. and upwards over Spain. Lowest, 29.5 ins. and less, in a large area lying over all the more northern part of Scandinavia.
TEMPERATURE	Highest, 73° at Nice, 72° at Perpignan, 70° at Biarritz, 67° at Lisbon and 65° at Corunna. Lowest, 47° at Lumburgh H <sup>t</sup> and Shields, 48° at Stornoway, 49° at Naum and Carlskrona, and 50° at Christiansund.
WIND	Moderate W. or NW. over the northern part of Great Britain, as well as on the eastern shore of the North Sea. Moderate N <sup>3</sup> or NE <sup>1</sup> at our western, southern and the French stations. Light and variable in Germany.
WEATHER	Rainy in the west of Norway, and showery in the north of Scotland. Fair or fine in almost all other localities. [Since yesterday morning rain has fallen at all but our SW and extreme S station.]
SEA	Moderate to smooth.



### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The high pressure system which lay to the W<sup>nd</sup> of our Islands yesterday has since spread eastwards over all our eastern coast, and the barometer is at present rising at all but the Scandinavian and our extreme northern stations. The low pressure system over France has moved eastward to Central Europe.

## FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED	6 SCOTLAND WEST	NONE ISSUED
1 SCOTLAND EAST		7 ENGLAND N. W.	
2 ENGLAND N. E.		8 ENGLAND S. W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH			
		WARNINGS	

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 ...	29.67	52	50	WNW 5	r	3	Holyhead ...	29.91	55	53	NE 3	overcast	3
Sumburgh Head ...	29.86	47	43	N 2	o	3	Valencia ...	30.03	62	53	N 3	bc	3
Stornoway ...	29.97	55	52	N 4	bc	4	Scilly ...	29.87	62	60	N 5	bc	4
Aberdeen ...	29.79	56	49	N 3	c	1	Dungeness ...	29.77	66	59	E 2	b	1
Shields ...	29.93	54	50	NNE 4	c	4	London ...	29.80	65	56	WNW 1	c	3
Ardrossan ...	29.96	60	53	WNW 3	c	2	Yarmouth ...	29.82	57	54	NNE 1	c	3
Malin Head ...	30.01	53	49	NNE 4	b	3	Jersey ...	29.83	63	59	WNW 3	b	3
Mullaghmore ...	30.01	56	50	NE 5	bc	4	Rochefort ...	29.82	77	77	N 4	bc	2
Belmullet ...	30.07	50	49	NNE 6	b	*							

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

The reports for yesterday morning showed that pressure was highest, 30.0 in. and upwards, in the extreme west of our islands, but relatively high, 29.9 in. and upwards, over Austria, Italy and Algeria. The lowest readings, 29.4 in. and less, were found in a depression which lay over Northern Russia, but relatively low readings, 29.8 in. and less, were reported over the north and west of France. Light or moderate N<sup>ly</sup> breezes prevailed over the greater part of our islands and France,

but over the south of Scandinavia, Denmark and the Baltic, the wind drew into the West, while in Algeria it was chiefly S<sup>ly</sup>. Rain was falling in the east of England and also in the west of Norway, but elsewhere the weather was fair or fine. Temperature had changed little and irregularly and readings ranged from 80° and upwards in Algeria, and 70° and upwards over Southern Europe to 50° or less in the extreme north of our islands and the west of Norway.

The highest individual readings were 91° at Spax, 87° at Biskra, 82° at Algiers and Barcelona, 81° at Annale, 80° at Oran and 79° at Sanguinaire; the lowest were 46° at Sumburgh Head, 47° at Cambridge, 48° at Naïm and 49° at Christiania, Aberdeen, Ardrossan and Malin Head.

In the course of the day the high pressure system to the westward of our islands extended Eastwards, but the weather over the east and southeast of England remained somewhat unsettled, with rain in many places.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for *Monday 15<sup>th</sup> August* 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 ..	29.49	56	2	0	o		29.48	+ .04	58	56	+ 4	N	2	o	*	64	52	0.32	
Hernösand ...	29.43	57	2	0	o		29.42	+ .01	55	54	- 2	N	2	r	*	66	52	0.51	
Stockholm ...	29.54	55	S	2	b		29.52	- .03	56	53	- 1	SW	2	o	*	64	50	-	
Wisby ...	29.65	58	W	6	b		29.60	- .03	55	52	- 1	W	6	c	*	64	52	-	
Bodö ...	29.43	54	2	0	c		29.55	+ .14	52	51	- 1	N	2	o	o	57	50	-	
Christiansund...	29.52	49	WSW	5	r		29.53	- .04	48	46	- 2	SW	3	r	4	50	45	0.32	
Skudesnaes ...	29.67	49	NW	6	r		29.73	+ .13	50	46	- 2	WNW	4	c	3	57	49	0.46	
Christiania Fjord (Fæder)	29.46	60	W	2	b		29.54	+ .05	57	52	+ 2	WNW	2	b	3	61	54	-	
Skagen (The Scaw)	29.53	?	W	5	o		29.57	+ .04	57	52	+ 2	NW	2	c	2	61	54	-	
Faenø ...	29.73	53	WSW	6	c		29.78	+ .07	53	51	- 2	WSW	6	r	*	61	52	0.08	
BRITISH ISLANDS.																			
Sumburgh Head	29.81	49	N	3	c		29.74	- .04	46	44	- 1	NW	1	o	2	58	42	0.02	
Stornoway ...	29.99	52	N	4	bc		29.93	- .03	51	47	+ 3	N	0	cm	2	55	43	-	
Wick ...	29.90	52	N	3	c		29.88	- .02	49	47	- 6	NW	3	o	1	55	44	0.03	
Nairn ...	29.96	53	WNW	1	c		29.93	- .02	52	49	+ 3	W	2	bc	2	56	47	0.02	
Aberdeen...	29.93	54	NNW	3	c		29.94	+ .04	49	47	- 3	NW	2	o	1	57	46	0.01	
Leith ...	29.97	60	W	2	bc		29.98	+ .03	54	49	- 1	W	2	b	*	65	45	-	
Shields ...	29.96	54	NE	1	c		29.98	+ .04	52	48	+ 5	W	2	b	2	57	43	-	
Spurn Head ...	29.99	57	NE	3	b		30.02	+ .07	54	52	+ 1	WNW	3	b	2	61	50	-	
York ...	29.99	60	WNW	2	bc		30.03	+ .06	53	48	+ 2	WNW	1	b	*	65	42	-	
Loughborough	30.02	61	WNW	3	b		30.06	+ .05	56	52	+ 3	N	0	bc	*	65	38	-	
Ardrossan ...	30.00	58	WNW	3	b		29.99	- .05	57	51	+ 3	WSW	1	b	1	61	43	-	
Malin Head ...	30.04	55	NW	2	o		29.97	- .04	53	53	+ 1	SSW	2	o	1	58	51	-	
Mullaghmore ...	30.08	57	WNW	2	ch		30.00	- .08	54	50	0	SSW	1	c	1	60	51	-	
Belmullet ...	30.08	59	W	3	bc		30.00	- .09	57	51	+ 5	SW	3	c	*	61	52	-	
Donaghadee ...	30.06	56	NE	3	bc		30.02	- .02	54	52	+ 2	WSW	3	c	2	60	48	0.01	
GERMANY.																			
Barrow-in-Farress	30.01	59	NW	4	b		30.03	+ .04	53	53	0	N	2	o	*	61	50	-	
Liverpool (Bidston)	30.05	58	WNW	3	c		30.04	+ .04	56	49	+ 4	SW	1	o	2	60	49	0.07	
Holyhead ...	30.07	50	WNW	1	b		30.04	- .00	57	54	0	SW	1	cm	1	60	50	-	
Parsonstown ...	30.07	62	2	0	bc		30.03	- .10	52	49	+ 3	N	0	c	*	64	42	-	
Valencia ...	30.07	61	NNW	1	c		29.99	- .10	58	53	+ 1	ESE	3	o	3	65	52	0.02	
Roche's Point...	30.09	60	S	2	c		30.03	- .04	58	54	+ 4	N	1	bc	1	64	48	-	
Pembroke ...	30.07	58	NE	3	b		30.03	- .02	54	52	- 2	NE	3	bc	2	61	49	-	
Scilly ...	30.05	61	NNE	3	b		29.96	- .05	61	58	+ 1	E	3	o	4	61	50	-	
Prawle Point ...	30.05	59	WSW	1	b		30.00	- .02	60	56	+ 2	ENE	5	bc	4	63	49	-	
Jersey ...	30.02	62	N	3	bm		29.98	+ .01	63	58	+ 1	E	3	bm	3	65	54	-	
Hurst Castle ...	30.02	63	W	4	b		30.04	+ .05	61	56	+ 3	E	3	bm	2	68	46	-	
Dungeness ...	30.00	61	SSE	1	c		30.04	+ .12	61	55	+ 3	N	0	bc	0	64	45	-	
London ...	30.01	63	WNW	2	b		30.04	+ .05	59	51	+ 3	N	0	m	*	67	39	-	
Oxford ...	30.06	56	N	1	b		30.06	+ .04	53	50	+ 3	NNW	1	b	*	64	40	-	
Cambridge ...	30.00	63	NW	1	b		30.06	+ .06	55	51	+ 2	NW	1	b	*	67	41	-	
FRANCE & NETHERLANDS.																			
Yarmouth ...	29.98	60	NE	2	bc		30.03	+ .09	57	53	+ 2	WNW	2	b	2	61	45	0.01	
Cuxhaven ...	29.88	53	WNW	3	o		29.88	+ .05	56	54	+ 1	WNW	4	c	*	57	53	0.12	
Berlin ...	29.89	58	WNW	2	c		29.99	+ .19	55	49	- 4	WNW	4	b	*	68	50	-	
Wiesbaden ...	*	*	*	*	*		30.10	+ .30	56	49	- 4	NNW	3	b	*	73	48	-	
Munich ...	30.00	58	W	3	r		30.10	59	56			NW	1	b	*	66	54	-	
SPAIN & PORTUGAL.																			
The Helder ...	29.98	57	NW	3	bc		30.02	+ .05	57	52	+ 1	WNW	1	b	1	59	55	-	
Brussels ...	*	*	*	*	*		30.06	+ .16	54	51	- 3	N	0	m	*	64	46	0.12	
Cape Gris Nez...	30.00	59	NE	4	bc		30.04	+ .14	58	53	- 1	S	1	bc	0	66	52	-	
Paris ...	29.98	68	NE	3	bc		29.98	+ .15	55	52	- 1	NE	3	b	*	74	32	-	
Brest ...	30.01	63	NE	4	o		29.90	- .09	56	53	- 1	NE	4	o	2	73	50	-	
Lorient ...	29.98	68	WNW	1	bc		29.94	- .02	56	53	- 1	E	4	bc	2	72	54	-	
Rocheport ...	30.01	68	NW	5	b		29.98	- .00	60	59	+ 1	ESE	4	o	2	73	55	-	
Belfort ...	*	*	*	*	*		*	*	*	*	*	*	*	*	*	*	*	*	
Lyons ...	29.91	73	NE	1	b		29.99	+ .04	60	55	- 3	N	1	b	*	79	58	-	
Nice ...	29.75	75	SW	3	b		29.87	+ .03	73	67	0	NNE	1	b	2	75	68	-	
Perpignan ...	29.90	76	2	0	c		29.91	- .02	72	67	0	N	1	b	*	88	62	-	
Biarritz ...	29.94	72	NNE	5	b		29.87	- .14	68	64	- 2	SSE	4	o	2	75	61	-	
GERMANY.																			
Corunna ...	*	*	*	*	*		29.87	- .11	61	60	- 4	NW	3	o	1	79	59	0.08	
Lisbon ...	30.00	68	W	4	b		29.95	- .04	68	66	+ 1	SSW	5	o	21	73	64	0.04	

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



# WEATHER CHARTS

for 8 a.m. on Mondays 15<sup>th</sup> August. 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;  
 → = force 5 to 7; → = force 1 to 4;  
 ○ = dead calm.

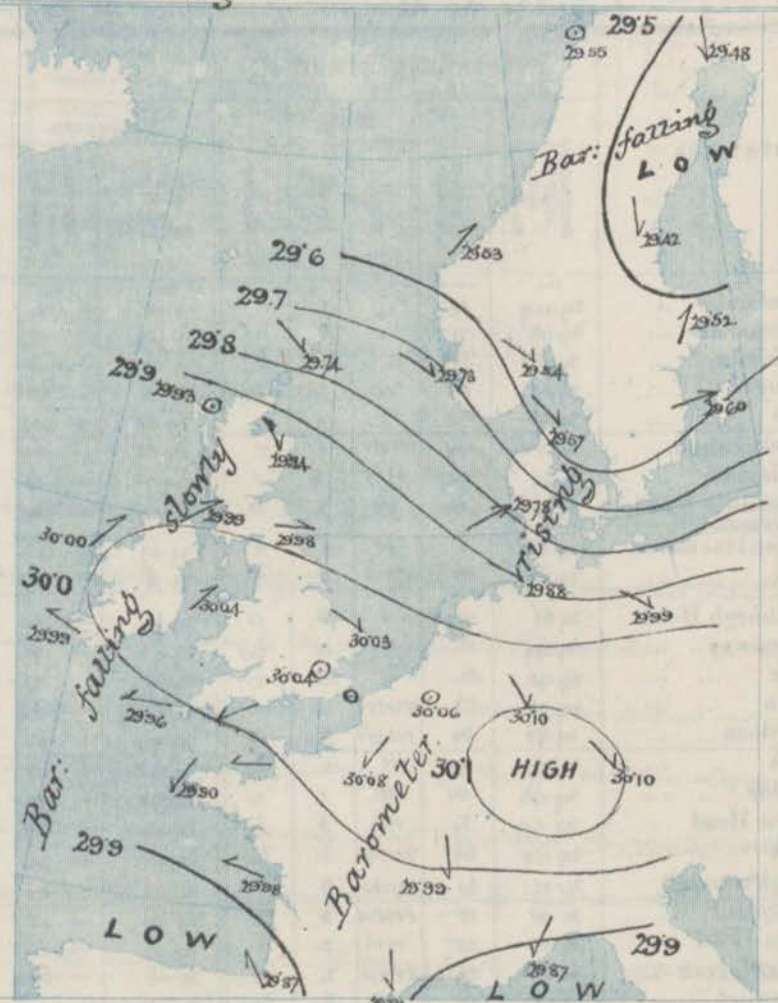
**Sea Disturbance** — where considerable is shown thus

— Rough. — High

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.906
Stornoway	29.900
Wick	29.822
Nairn	29.820
Aberdeen	29.836
Leith	29.852
Shields	29.870
York	29.905
Ardrossan	29.856
Donaghadee	29.868
Holyhead	29.893
Liverpool	29.898
Valencia	29.908
Roche's Point	29.908
Pembroke	29.910
Scilly	29.951
Hurst Castle	29.940
Dover	29.945
LONDON	29.913
Oxford	29.920
Cambridge	29.920
Yarmouth	29.928



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

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

**Weather** — is shown by letters of the Beaufort Scale.

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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	Average Dry.	Average Wet.	
Sumburgh Head	58.3	48.8	53.1	62.4	3.21
Stornoway	58.5	49.2	55.8	63.0	3.57
Wick	61.3	48.7	55.6	63.0	2.35
Nairn	63.6	50.6	56.0	63.1	2.81
Aberdeen	63.0	50.7	56.8	63.9	3.13
Leith	66.3	52.2	58.1	66.2	2.02
Shields	63.7	53.2	58.0	65.3	2.81
York	68.2	61.8	68.7	68.0	2.47
Ardrossan	62.7	54.0	57.8	65.0	4.08
Donaghadee	61.2	52.6	57.3	65.9	2.99
Holyhead	65.2	55.7	60.9	66.9	2.89
Liverpool	66.3	54.7	59.2	66.1	2.79
Valencia	65.4	54.7	59.8	67.1	4.65
Roche's Point	67.5	54.7	59.4	66.8	3.59
Pembroke	64.4	56.4	60.4	67.1	3.01
Scilly	65.4	57.8	61.3	69.3	2.45
Hurst Castle	67.9	56.8	61.7	69.6	2.31
Dover	67.3	58.2	63.3	69.0	2.06
LONDON	72.3	54.2	61.9	68.5	2.20
Oxford	69.6	53.9	59.8	67.3	2.33
Cambridge	71.9	52.8	60.7	67.9	2.25
Yarmouth	68.9	55.7	61.4	68.5	2.17

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, over South Germany, but high, 30.0 in. and upwards, in a band extending from Central Europe across the Netherlands and northeast of France to the west of Ireland.  
Lowest, 29.5 in. and less, over the Gulf of Bothnia.

## TEMPERATURE

Highest, 73° at Nice, 72° at Perpignan, 68° at Biarritz, and Sieton, 63° at Jersey and 61° at Scilly, Hurst Castle & Longoness.  
Lowest, 46° at Lumburgh Head, 49° at Christiansand, Wick and Aberdeen and 51° at Stornoway.  
[During last night the thermometer on the grass fell to 32° at Oxford.]

## WIND

Light or moderate from W or NW on the borders of the North Sea, and also over Germany.  
Light from SW on our northwest coast; moderate from E over the Bay of Biscay and the western part of the Channel.  
Variable over the more central parts of our islands.

## WEATHER

Bull on our extreme west & north coast, as well as over the northern part of Scandinavia, with rain at Helsingfors & Christiania.  
Fair or fine elsewhere, but hazy in the south of England.  
[Showers fell yesterday at a few of our western and northern stations.]

## SEA

Moderate at the mouth of the Channel, but smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer has begun to fall at all but our eastern stations the change being somewhat more decided in the west than elsewhere.

As the high pressure system moves eastwards S<sup>W</sup> winds and unsettled weather will probably set in on our western coasts. Elsewhere, however, no important change is likely at present.

## FORECASTS

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

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	W <sup>ly</sup> to SW <sup>ly</sup> winds, moderate; cloudy, some rain.
1	SCOTLAND EAST	W <sup>ly</sup> winds, light; fair generally.
2	ENGLAND N.E.	.....D.....D.....D.....
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	Same as N° 5.
5	ENGLAND SOUTH	Light variable breezes; fine generally; warmer.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	SW <sup>ly</sup> winds, moderate; fair generally.
7	ENGLAND N.W.	.....D.....D.....D.....
8	ENGLAND S.W.	E <sup>ly</sup> or SE <sup>ly</sup> winds, moderate; fair generally.
9	IRELAND NORTH	S <sup>ly</sup> winds, light to fresh; fair to cloudy and some rain.
10	IRELAND SOUTH	.....D.....D.....D.....
		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 ear 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 ear 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 ...	29.63	53	50	NW 7	r	3	Holyhead ...	30.08	59	51	NW 3	6	2
Sumburgh Head							Valencia ...						
Stornoway ...	29.99	53	50	NW 4	0	4	Scilly ...						
Aberdeen ...							Dungeness ...	29.96	61	56	E 2	0	2
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...	30.03	57	54	NW 1	c	2	Jersey ...	30.03	65	57	N 3	6	3
Mullaghmore ...							Rocheport ...	30.03	73	70	NW 5	6	2
Belmullet ...	30.11	59	51	NW 3	bc	*							

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

The reports for yesterday morning showed that while the highest pressures, 30.1 in and upwards, were reported over Ireland a large area of low readings (29.5 in. and less) was lying over Finland and the northern parts of Scandinavia. With these conditions fresh W winds prevailed on the eastern shores of the North Sea, SW winds on the shores of the Belts, and SE or E breezes in Finland, but in our islands and France the wind was chiefly N while at the Mediterranean stations it was light and very variable. Rain was falling over the greater part of Northern Europe, but elsewhere the weather was fair or fine. Temperature had fallen a little in the east and south of England, but changed little and irregularly elsewhere; readings ranged from 80° and upwards over Algeria and South Italy to 50° and less in the west and north of Scotland and the west of Norway. The highest individual readings were 95° at Lhasa, 87° at Tunis, 84° at Biskra, 81° at Cagliari & Malta and 80° at Livorno; the lowest were 47° at Sumburgh Head and Shields, 48° at Stornoway, 49° at Narvik and 50° at Christiansund.

In the course of the day the high pressure system over the west of our islands extended slowly eastwards, but no important change occurred in the wind or weather.

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

FROM THE 7<sup>th</sup> TO THE 13<sup>th</sup> AUGUST 1887.

During the greater part of last week fair dry weather continued at all but our extreme northern & northwestern stations. Towards the close of the period, however, a change took place and on Friday or Saturday rain was experienced in most parts of the Kingdom.

At the beginning of the week an anticyclone lay over our southern coasts, and a band of relatively high pressure over France, while a series of large depressions moved eastwards or southeasterly across Scandinavia. The prevailing winds in our islands were therefore W or NW, and while moderate breezes and fair weather were reported in the South, strong breezes were blowing elsewhere, with showers in the extreme north and west. Over England temperature was very high, the thermometer on the 8<sup>th</sup> reaching 81° at Exmouth, 82° at Loughborough & Oxford & 85° in London and at Cambridge.

On the 9<sup>th</sup> the anticyclone in the southwest extended northwards along our extreme western coasts, while the Scandinavian depression moved away to the Baltic. The wind over our islands therefore veered to the N, with a very decided reduction in temperature and a slight effusion of showery weather. The maximum readings recorded over England on the 10<sup>th</sup> were nearly 15° higher than those of the 8<sup>th</sup>.

The next change occurred on the 12<sup>th</sup> when the high pressure system in the west dispersed temporarily & some shallow depressions appeared directly over the United Kingdom. These disturbances after causing rain in most districts travelled away over France and at the close of the week a new anticyclone had appeared off our west coast. The wind therefore returned to the N and the weather remained rather cool for the time of year.

## 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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for Tuesday 16<sup>th</sup> August.

1887.

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			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 ..	29.51	55	Z	0	0	29.53	+ .05	57	55	- 1	Z	0	0	*	64	52	0.16	
Hernösand ...	29.48	54	Z	0	0	29.53	+ .11	58	55	+ 3	Z	0	0	*	68	52	0.12	
Stockholm ...	29.57	52	SSW	2	b	29.64	+ .12	65	52	- 1	WSW	2	c	*	64	52	0.08	
Wisby ...	29.64	59	W	6	c	29.73	+ .13	55	51	0	S	6	bc	*	63	52	-	
Bodö ...	29.62	53	Z	0	c	29.63	+ .08	52	52	0	SW	2	0	1	59	52	-	
Christiansund...	29.62	50	WSW	2	c	29.68	+ .15	52	50	+ 4	ESE	1	0	3	54	46	-	
Skudesnaes ...	29.77	51	W	4	o	29.76	+ .03	51	49	+ 1	SW	2	c	3	52	50	-	
Christiania Fjord (Furder)	29.58	61	WNW	3	b	29.69	+ .15	54	49	- 3	W	3	b	2	64	52	-	
Skagen (The Scaw)	29.69	52	W	7	b	29.74	+ .17	55	49	- 2	WNW	3	b	3	59	50	-	
Fanö ...	29.86	55	WNW	4	c	29.82	+ .04	58	54	+ 2	SSW	2	b	*	59	50	0.12	
BRITISH ISLANDS.																		
Sumburgh Head	29.68	47	W	1	r	29.66	- .08	48	46	+ 2	WNW	2	0	3	49	44	0.03	
Stornoway ...	29.83	51	Z	0	op	29.74	- .19	52	51	+ 1	Z	0	og	2	52	47	0.06	
Wick ...	29.80	52	NW	2	bc	29.75	- .13	53	51	+ 4	Z	0	0	0	58	47	-	
Nairn ...	29.81	57	WSW	1	c	29.75	- .18	55	51	+ 3	Z	0	c	1	59	50	0.04	
Aberdeen...	29.83	55	S	1	p	29.78	- .16	56	54	+ 7	S	1	c	1	62	48	0.03	
Leith ...	29.87	59	W	3	bc	29.79	- .19	57	52	+ 3	W	1	bm	*	67	43	-	
Shields ...	29.89	59	W	2	c	29.82	- .16	56	51	+ 4	SW	1	c	2	62	45	-	
Spurn Head ...	29.94	61	NNE	1	r	29.88	- .19	63	58	+ 9	Z	0	b	3	63	52	-	
York ...	29.94	60	W	1	o	29.84	- .19	62	49	- 1	N	1	b	*	66	43	-	
Loughborough	29.94	63	ENE	1	o	29.83	- .23	56	53	0	Z	0	bm	*	70	43	-	
GERMANY.																		
Ardrossan ...	29.89	57	SSW	2	c	29.78	- .21	59	54	+ 2	ESE	1	bc	1	61	48	-	
Malin Head ...	29.87	56	WNW	2	og	29.71	- .26	56	54	+ 1	S	2	c	1	61	50	-	
Mullaghmore ...	29.88	60	ENE	2	bcw	29.73	- .27	57	53	+ 3	SSE	2	ow	2	62	51	-	
Behnullet ...	29.89	60	SW	2	o	29.70	- .30	55	54	- 2	ENE	3	r	*	65	55	0.74	
Donaghadee ...	29.91	56	SSE	3	c	29.77	- .25	57	52	+ 3	S	3	b	1	60	50	0.01	
FRANCE & NETHERLANDS.																		
Barrow-in-Furness	29.92	58	S	2	o	29.87	- .22	58	53	0	NE	3	b	*	60	47	-	
Liverpool (Bidston)	29.94	60	NNW	1	bc	29.87	- .23	59	57	+ 3	ESE	1	bcw	2	64	48	-	
Holyhead ...	29.94	59	Z	0	c	29.80	- .24	64	56	+ 7	Z	0	bcw	0	64	49	-	
Parsonstown ...	29.90	64	Z	0	c	29.77	- .25	59	52	+ 4	Z	0	o	*	66	49	-	
Valencia ...	29.90	60	W	2	o	29.74	- .25	58	56	0	SW	3	o	3	65	55	0.04	
ITALY.																		
Roche's Point...	29.93	62	SSE	2	b	29.78	- .25	61	56	+ 3	ESE	1	bc	2	65	50	-	
Pembroke ...	29.89	59	NE	3	c	29.78	- .25	59	56	+ 5	E	2	m	1	63	51	-	
Scilly ...	29.84	62	NE	2	o	29.78	- .18	62	60	+ 1	NNW	3	b	2	66	58	-	
Prawle Point ...	29.85	60	ENE	5	c	29.75	- .25	58	54	- 2	NNE	4	o	3	65	55	-	
Jersey ...	29.80	69	NE	4	cg	29.70	- .28	61	60	- 2	NNE	3	orm	3	75	60	0.54	
SPAIN.																		
Hurst Castle ...	29.89	65	ESE	3	b	29.75	- .29	58	55	- 3	NE	3	og	2	70	55	-	
Dungeness ...	29.91	64	E	4	bc	29.72	- .32	61	55	0	E	4	o	3	67	59	-	
London ...	29.91	67	ESE	2	b	29.77	- .27	59	56	+ 2	E	3	o	*	70	45	-	
Oxford ...	29.89	60	NE	3	c	29.78	- .28	55	52	0	NE	2	or	*	69	52	-	
Cambridge ...	29.93	65	SW	1	o	29.80	- .26	61	57	+ 4	ENE	1	c	*	71	51	-	
PORTUGAL.																		
Yarmouth ...	29.96	60	ESE	2	bc	29.82	- .21	59	55	+ 2	ESE	3	bcw	3	63	54	-	
Cuxhaven ...	29.99	54	WNW	2	b	29.89	+ .01	58	55	+ 2	S	1	c	*	60	54	-	
Berlin ...	30.01	59	NW	1	b	29.95	- .04	57	53	+ 2	ESE	2	b	*	66	50	-	
Wiesbaden ...	*	*	*	*	*	29.82	- .28	60	55	+ 4	Z	0	o	*	70	52	-	
Munich ...	30.02	60	NE	3	bc	29.91	- .19	63	59	+ 4	SE	3	bc	*	68	50	-	
GREECE.																		
The Helder ...	29.98	59	WSW	1	bc	29.85	- .17	57	52	0	N	1	o	1	64	50	-	
Brussels ...	*	*	*	*	*	29.77	- .29	49	48	- 5	ENE	1	r	*	70	48	0.01	
Cape Gris Nez...	29.93	63	NE	4	b	29.72	- .32	56	52	- 2	ENE	5	o	3	68	50	0.04	
Paris ...	29.88	70	E	1	c	29.73	- .35	56	55	+ 1	Z	0	r	*	77	55	0.51	
Brest ...	29.80	62	Z	0	o	29.76	- .14	64	59	+ 8	NE	4	m	2	72	50	-	
AFRICA.																		
Lorient ...	29.82	63	S	0	o	29.75	- .19	60	57	+ 4	N	1	o	2	72	51	0.24	
Rocheport ...	29.82	74	ENE	4	c	29.82	- .16	66	65	+ 6	SW	5	bc	2	75	55	0.08	
Belfort ...	29.85	68	NE	1	c	29.85	?	57	56	?	NE	1	r	*	75	52	0.24	
Lyons ...	29.77	75	E	1	c	?	?	66	61	+ 6	NNW	7	o	*	79	66	?	
Nice ...	29.89	76	W	1	b	29.93	+ .06	70	62	- 3	E	1	b	0	82	64	-	
ASIA.																		
Perpignan ...	29.80	83	NE	3	b	29.86	- .05	76	68	+ 4	NW	3	b	*	83	69	-	
Biarritz ...	29.73	80	E	4	o	29.87	+ .01	73	71	+ 5	S	3	b	0	88	60	-	
AUSTRALIA.																		
Corunna ...	29.96	66	SW	5	b	29.99	+ .12	63	61	+ 2	WSW	4	m	2	77	57	0.87	
Lisbon ...	29.96	66	SW	5	b	30.07	+ .12	67	57	- 1	NW	1	bc	5	72	63	0.08	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Tuesday, 10<sup>th</sup> August.

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—

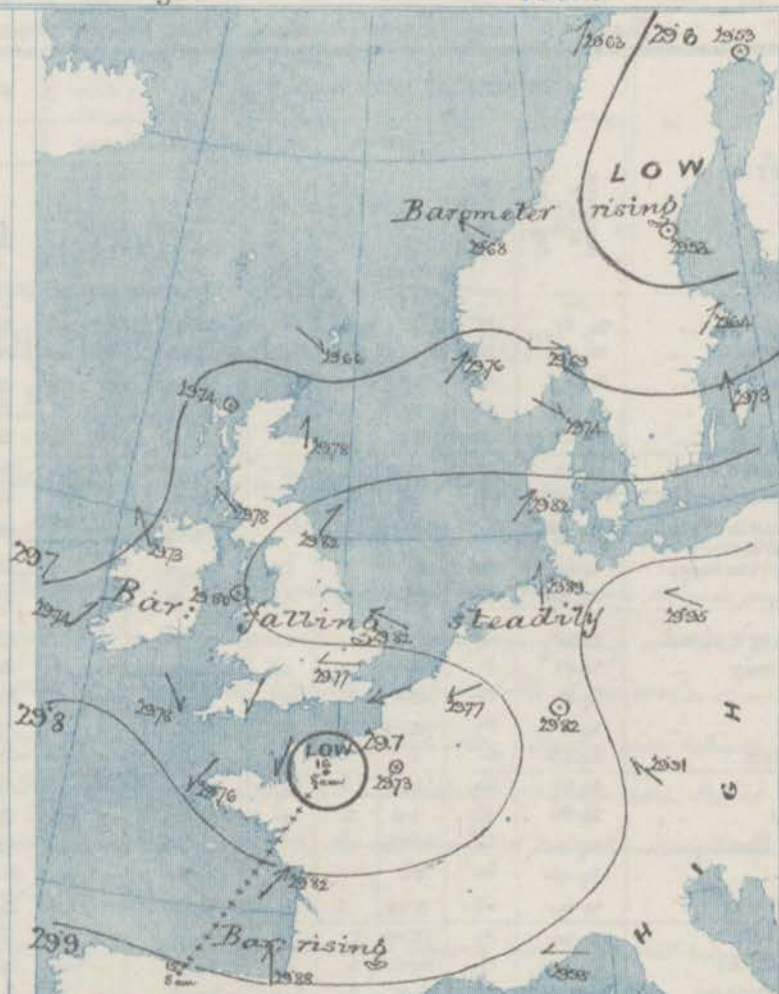
→ = forces above 10; → = forces 8 to 10;  
 → = forces 5 to 7; → = forces 1 to 4;  
 ○ = dead calm.

**Sea Disturbance**—where considerable is shown thus  
 ■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head.	29.806
Stornoway.	29.800
Wick.	29.822
Nairn.	29.829
Aberdeen.	29.835
Leith.	29.852
Shields.	29.876
York.	29.905
Ardrossan.	29.856
Donaghadee.	29.868
Holyhead.	29.893
Liverpool.	29.898
Valencia.	29.908
Roche's Point.	29.908
Pembroke.	29.910
Scilly.	29.951
Hurst Castle.	29.949
Dover.	29.945
LONDON.	29.913
Oxford.	29.929
Cambridge.	29.929
Yarmouth.	29.928



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

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

**Weather**—is shown by letters of the Beaufort Scale.

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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m. Dry.	At 8 a.m. Wet.	
Sumburgh Head.	58.3	48.8	54.1	52.4	3.21
Stornoway.	58.5	49.2	55.8	53.9	3.57
Wick.	61.3	48.7	55.6	53.6	2.35
Nairn.	63.6	50.6	56.0	53.1	2.81
Aberdeen.	63.0	50.7	56.8	53.9	3.13
Leith.	66.3	52.2	58.1	55.3	2.62
Shields.	63.7	53.2	58.0	55.3	2.81
York.	68.2	51.8	58.7	55.0	2.47
Ardrossan.	62.7	54.0	57.8	55.0	4.08
Donaghadee.	61.2	52.6	57.3	55.9	2.99
Holyhead.	65.2	55.7	58.9	56.9	2.59
Liverpool.	66.3	54.7	59.2	56.1	2.79
Valencia.	65.4	54.7	59.8	57.1	4.65
Roche's Point.	67.5	54.7	59.4	56.8	3.59
Pembroke.	64.4	56.4	59.4	57.1	2.91
Scilly.	65.4	57.8	61.3	59.3	2.45
Hurst Castle.	67.0	50.8	61.7	59.8	2.31
Dover.	67.3	58.2	63.3	59.6	2.06
LONDON.	72.3	54.2	61.9	58.5	2.20
Oxford.	69.6	53.9	59.8	57.3	2.33
Cambridge.	71.9	52.8	60.7	57.9	2.25
Yarmouth.	66.9	55.7	61.4	58.5	2.17

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, 30.0 ins. and upwards, over Portugal; relatively high, 29.9 ins. and upwards, over Germany. Lowest, 29.6 ins. and less, over the north of Scandinavia, but relatively low, 29.7 ins. and less, in a depression lying over the north of France and also in the extreme west of our islands.
TEMPERATURE	Highest, 73° at Biarritz, 70° at Nice, 67° at Lisbon and 66° at Rochefort and Lyons. Lowest, 48° at Lumburgh Head, 51° at Shetland and 52° at Bodø, Christiansund, Storöwag and York.
WIND	Calm or light variable over all the more northern parts of Great Britain. Light S.W. in Ireland; moderate E. or N.E. over the Channel and southeast of England. S.W. in the southwest of France; S.E. in Germany; S. in Denmark.
WEATHER	Bull in the northern part of Scandinavia and Scotland, as well as in the west of Ireland, the south of England, the Netherlands and the north of France, with rain at Belmullet, Oxford, Jersey, Brussels & Paris. Fair or fine in all other localities. [Rain fell yesterday at a few of our western and northern stations]
SEA	Slight or smooth on all coasts.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the north of France will probably continue to move slowly northeastwards, and rainy weather is likely over all the southeastern and eastern parts of England. In the extreme west conditions are likely to be influenced by the large disturbance which lies to the westward of our islands.

## FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	Calm and variable airs; cloudy, slight rain locally.	6 { SCOTLAND WEST	Same as N° 0 and 1.
1 { SCOTLAND EAST	.....D°.....D°.....D°.....	7 { ENGLAND N. W.	Light variable breezes; fair generally.
2 { ENGLAND N. E.	Variable airs, finally N.E. <sup>ly</sup> ; fine to cloudy and some rain.	8 { ENGLAND S. W.	Variable or N. <sup>ly</sup> breezes; fair generally, but slight rain locally.
3 { ENGLAND EAST	Same as N° 5.	9 { IRELAND NORTH	Light breezes; chiefly S. <sup>ly</sup> ; cloudy; rain locally.
4 { MIDLAND COUNTIES	Light breezes; chiefly N.E. <sup>ly</sup> ; cloudy; some rain.	10 { IRELAND SOUTH	.....D°.....D°.....D°.....
5 { ENGLAND SOUTH	N. to N.E. <sup>ly</sup> winds, moderate or fresh; dull, some rain.	WARNINGS.	NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skutumpahes ...	29.96	51	48	W 4	o	3	Holyhead ...	29.99	62	55	WSW 1	60	1
Sumburgh Head ...	29.72	48	45	WNW 3	o	3	Valencia ...	29.95	62	55	S 3	o	3
Stornoway ...	29.88	51	51	S 2	r	3	Scilly ...	29.89	66	60	E 3	o	4
Aberdeen ...	29.89	58	51	S 3	b	1	Dungeness ...	29.99	65	55	E 2	6	0
Shields ...	29.94	60	52	W 2	c	2	London ...	29.96	68	55	E 2	6	3
Ardrossan ...	29.94	60	54	SW 2	bc	1	Yarmouth ...	30.00	63	55	NNE 3	6	3
Malin Head ...	29.91	58	56	WNW 2	o	0	Jersey ...	29.87	72	63	ENE 4	6	3
Mullaghmore ...	29.95	60	52	NW 2	cv	3	Rochefort ...	29.92	68	65	W 1	o	2
Belmullet ...	29.95	65	55	SSW 2	b	*							

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

*The Continental Information is not yet to hand.*

### 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.*

SCANDINAVIA  
BRITISH ISLANDS  
GERMANY  
FRANCE & NETHERLANDS  
PENIN.  
SICILY



# DAILY WEATHER REPORT.

for Wednesday 17<sup>th</sup> AUGUST

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.		
			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	29.54	55	2	0	0	29.57	+ .04	57	51	0	2	0	0	*	61	46	0.16	
	Hernösand	29.62	53	2	0	0	29.67	+ .14	57	55	- 1	N	2	0	*	64	50	0.16	
	Stockholm	29.73	56	SW	2	0	29.73	+ .09	56	52	+ 1	WSW	2	0	*	66	52	-	
	Wisby	29.80	58	W	2	0	29.76	+ .03	56	52	+ 1	NW	4	0	*	63	54	-	
	Bodö	29.69	53	W	2	0	29.73	+ .10	52	51	0	SW	2	0	1	55	50	0.04	
	Christiansund	29.75	53	NNE	2	0	29.83	+ .15	52	50	0	ESE	1	0	2	55	43	-	
	Skudesnaes	29.80	53	WNW	1	0	29.84	+ .08	55	51	+ 4	SE	1	0	3	57	?	-	
	Christiania Fjord (Færd)	29.68	60	WSW	5	0	29.74	+ .05	55	50	+ 1	NNW	2	0	1	61	54	-	
	Skagen (The Scaw)	29.77	53	W	1	0	29.75	+ .01	55	52	0	SW	1	0	0	59	48	-	
	Faenø	29.81	52	N	2	0	29.77	- .05	59	55	+ 4	N	2	0	*	61	46	-	
BRITISH ISLANDS.	Sumburgh Head	29.70	50	W	1	0	29.74	+ .08	50	49	+ 2	2	0	0	1	52	46	0.07	
	Stornoway	29.77	56	E	3	0	29.83	+ .09	52	51	0	E	4	0	4	60	48	0.04	
	Wick	29.74	55	SW	1	0	29.80	+ .05	51	51	- 2	NW	1	0	0	57	43	0.04	
	Nairn	29.77	60	2	0	0	29.81	+ .06	53	51	- 2	W	1	0	1	63	43	0.10	
	Aberdeen	29.77	59	S	1	0	29.82	+ .04	55	53	- 1	N	1	0	0	65	45	-	
	Leith	29.74	62	NW	1	0	29.81	+ .02	60	55	+ 3	SW	1	0	*	68	48	-	
	Shields	29.77	60	SSE	3	0	29.80	- .02	55	53	- 1	SSW	1	0	2	60	52	0.28	
	Spinn Head	29.80	60	SE	3	0	29.81	- .02	59	58	- 4	S	3	0	2	64	56	-	
	York	29.78	64	ESE	3	0	29.81	- .03	56	54	+ 4	W	1	0	*	73	50	-	
	Loughborough	29.78	65	E	2	0	29.81	- .02	56	54	0	2	0	0	*	75	53	0.23	
GERMANY.	Ardrossan	29.76	62	2	0	0	29.82	+ .04	54	52	- 5	S	1	0	0	65	47	-	
	Malin Head	29.94	57	NNW	2	0	29.85	+ .14	56	53	0	N	3	0	3	64	55	0.03	
	Mullaghmore	29.72	58	NNE	2	0	29.89	+ .16	57	54	0	N	5	0	3	61	47	0.18	
	Belmullet	29.71	59	NNE	2	0	29.95	+ .25	57	53	+ 2	N	5	0	*	61	53	0.70	
	Donaghadee	29.76	59	S	2	0	29.83	+ .06	57	55	0	NNE	4	0	2	63	48	-	
	Barrow-in-Furness	29.75	60	SW	1	0	29.79	- .02	55	55	+ 2	SE	3	0	*	67	52	0.08	
	Liverpool (Bidston)	29.73	60	N	1	0	29.78	- .03	55	53	- 4	E	2	0	2	70	53	0.08	
	Holyhead	29.74	61	NNE	2	0	29.77	- .03	58	56	- 6	NE	3	0	3	67	55	0.10	
	Parsonstown	29.72	55	2	0	0	29.88	+ .11	55	52	- 1	2	0	0	*	63	48	0.07	
	Valencia	29.74	61	NW	3	0	29.93	+ .19	62	58	+ 4	N	3	0	3	65	53	0.22	
FRANCE & NETHERLANDS.	Roche's Point	29.70	57	N	2	0	29.84	+ .06	57	54	- 4	N	4	0	3	63	49	0.40	
	Pembroke	29.74	59	W	1	0	29.75	- .03	58	57	- 1	NE	2	0	2	63	52	0.30	
	Seilly	29.74	61	SSW	4	0	29.76	- .02	60	59	- 2	W	4	0	4	70	53	0.78	
	Prawle Point	29.78	62	WSW	3	0	29.76	+ .01	57	56	- 1	SSW	3	0	3	66	52	0.13	
	Jersey	29.82	66	WNW	2	0	29.78	+ .08	62	58	+ 1	WSW	4	0	3	67	58	0.05	
	Hurst Castle	29.80	62	S	2	0	29.75	- .05	64	59	+ 6	WSW	4	0	3	67	55	0.26	
	Dungeness	29.77	61	E	1	0	29.79	+ .02	56	55	- 5	S	2	0	1	64	51	0.54	
	London	29.80	61	E	1	0	29.79	+ .01	56	53	+ 1	NW	1	0	*	64	51	0.64	
	Oxford	29.80	60	SE	1	0	29.77	- .03	56	53	+ 1	NW	1	0	*	64	53	0.14	
	Cambridge	29.78	66	SE	1	0	29.82	+ .04	56	55	- 5	S	1	0	*	72	54	0.82	
PENINSULA.	Yarmouth	29.82	62	ENE	3	0	29.83	+ .01	60	56	+ 1	ENE	3	0	3	64	52	-	
	Cuxhaven	29.84	56	NE	1	0	29.80	- .04	59	57	+ 1	ENE	2	0	*	60	55	-	
	Berlin	29.75	60	2	0	0	29.74	- .21	56	55	- 1	N	2	0	*	72	55	0.16	
	Wiesbaden	*	*	*	*	*	29.82	00	62	60	+ 2	SW	1	0	*	68	59	0.24	
	Munich	29.90	59	SW	1	0	29.96	+ .05	62	58	- 1	W	4	0	*	79	55	0.08	
	The Helder	29.78	59	NE	1	0	29.83	- .02	59	56	+ 2	NE	1	0	1	63	57	-	
	Brussels	*	*	*	*	*	29.85	+ .08	?	54	?	N	?	?	*	58	?	0.12	
	Cape Gris Nez	29.77	59	E	1	0	29.82	+ .10	60	59	+ 4	SE	1	0	1	63	55	0.08	
	Paris	29.75	64	WNW	1	0	29.89	+ .16	55	53	- 1	S	1	0	*	75	51	1.06	
	Brest	29.91	61	SW	2	0	29.82	+ .06	57	55	- 7	W	4	0	2	72	50	0.12	
SOUTH AMERICA.	Lorient	29.88	65	NW	7	0	29.86	+ .11	62	57	+ 2	W	5	0	5	68	57	0.20	
	Rochefort	29.96	67	S	7	0	29.96	+ .14	62	60	- 4	SW	5	0	2	75	54	0.35	
	Belfort	29.82	64	S	4	0	29.96	+ .11	62	58	+ 5	S	5	0	*	74	55	0.08	
	Lyons	29.89	70	S	1	0	30.01	?	63	57	- 3	WNW	1	0	*	73	58	0.83	
	Nice	29.87	74	2	0	0	29.84	- .03	79	63	+ 9	2	0	0	1	84	63	-	
	Perpignan	29.87	82	NW	4	0	30.02	+ .16	71	64	- 5	NW	3	0	*	97	63	-	
	Biarritz	30.02	70	W	8	0	30.06	+ .18	68	64	- 5	W	7	0	3	73	64	-	
	Corunna	*	*	*	*	*	30.17	+ .18	64	62	+ 1	SW	4	0	2	72	59	-	
	Lisbon	30.11	68	NNE	5	0	30.17	+ .10	63	59	- 4	N	7	0	3	77	61	-	

For Explanation of Columns, see p. 4.



# WEATHER

# CHARTS

for 8 a.m. on WEDNESDAY, 17<sup>th</sup> August, 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.  
**Wind** — Arrows show the prevalent wind. They fly with the wind and their barbs and feathers refer to force, thus —

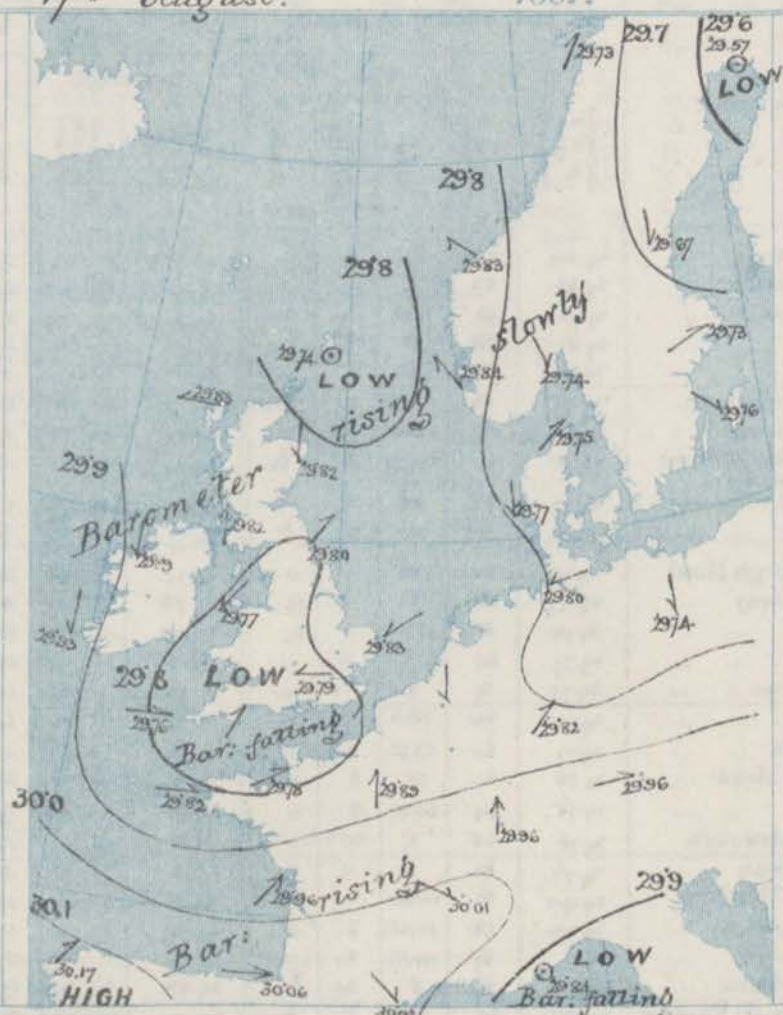
→ = force above 10; → = force 8 to 10;  
 → = force 5 to 7; → = force 1 to 4;  
 ⊙ = dead calm.

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

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.806
Stornoway	29.800
Wick	29.822
Nairn	29.829
Aberdeen	29.835
Leith	29.853
Shields	29.876
York	29.905
Ardrossan	29.856
Donaghadee	29.808
Holyhead	29.893
Liverpool	29.898
Valencia	29.908
Roche's Point	29.908
Pembroke	29.910
Seilly	29.951
Hurst Castle	29.949
Dover	29.945
LONDON	29.943
Oxford	29.929
Cambridge	29.920
Yarmouth	29.928



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

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

**Weather** — is shown by Letters of the Beaufort Scale

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

## MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of August

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.	At 8 p.m.	
Sumburgh Head	58.3	48.8	54.1	52.4	3.21
Stornoway	58.5	49.2	55.8	53.9	3.57
Wick	61.3	48.7	55.8	53.6	2.35
Nairn	63.6	50.6	56.0	53.1	2.81
Aberdeen	63.0	50.7	56.8	53.9	3.13
Leith	66.3	52.2	58.1	56.2	2.62
Shields	68.7	53.2	58.0	55.3	2.81
York	68.2	51.8	58.7	56.0	2.47
Ardrossan	62.7	54.0	57.8	55.0	4.08
Donaghadee	61.2	52.6	57.3	55.9	2.90
Holyhead	65.2	55.7	58.9	56.9	2.89
Liverpool	66.8	54.7	59.2	56.1	2.79
Valencia	65.4	54.7	59.8	57.1	4.65
Roche's Point	67.5	54.7	59.4	56.8	3.59
Pembroke	64.4	56.4	59.4	57.1	2.91
Seilly	65.4	57.8	61.3	59.8	2.45
Hurst Castle	67.9	56.8	61.7	59.8	2.31
Dover	67.3	58.2	63.3	59.6	2.06
LONDON	72.3	54.2	61.9	58.5	2.20
Oxford	69.6	53.9	59.8	57.3	2.33
Cambridge	71.9	52.8	60.7	57.9	2.25
Yarmouth	66.9	55.7	61.4	58.5	2.17

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.1 in. and upwards, over the Iberian Peninsula.  
Lowest, 29.5 in. and less, in the north of Sweden, but relatively low; 29.8 in. and less, in a large shallow depression lying over the greater part of England and the Channel and also in a smaller disturbance lying off the north-east of Scotland.

## TEMPERATURE

Highest, 79° at Nice, 71° at Perpignan, 68° at Biarritz, 64° at Hurst Castle and 63° at Lyons.  
Lowest, 50° at Lumburgh Head, 51° at Wick, 52° at Bodø, Christiansund and Lornoway and 53° at Naim.

## WIND

Moderate or fresh from N. in Ireland and from N. or S.W. over the Channel and west of France.  
Variable or S.W. in the east of England; S.E. in the west of Norway.  
N. or N.W. in Sweden and Denmark; N.E. in the Netherlands.

## WEATHER

Fine in Scandinavia, Denmark, the southwest of our islands and the south of France.  
Cloudy elsewhere, with showers in many places, and thunder at Bergen.  
[During last night thunderstorms and heavy rain were experienced at most of the English stations.]

## SEA

Moderate at Lornoway and Scilly, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay over the north of France yesterday morning subsequently moved slowly north-eastward and partially dissipated; but in the course of the night a new disturbance has been formed over the greater part of England & the Channel.

The system is, however, apparently moving eastwards, and is inclined to fill up, so that a gradual improvement in the weather is probable. The general distribution of pressure is, however, not favourable for a continuance of settled weather.

## FORECASTS

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

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	Light breezes, chiefly N <sup>ly</sup> ; changeable, some showers.
1	SCOTLAND EAST	.....D.....D.....D.....
2	ENGLAND N.E.	Light variable breezes; changeable, some rain.
3	ENGLAND EAST	.....D.....D.....D.....
4	MIDLAND COUNTIES	Variable breezes, finally NW <sup>ly</sup> ; showery to fair.
5	ENGLAND SOUTH	SW <sup>ly</sup> to NW <sup>ly</sup> winds, moderate, showery at first, but improving later.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Variable breezes, finally N <sup>ly</sup> ; fair generally.
7	ENGLAND N.W.	Same as N <sup>o</sup> 4.
8	ENGLAND S.W.	Variable breezes, finally NW <sup>ly</sup> ; fair generally, but local showers.
9	IRELAND NORTH	N <sup>ly</sup> winds, moderate or fresh; fair generally, but some showers.
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.		
Skudeenæs ...	29.76	57	54	WSW	2	c	3	Holyhead ...	29.76	66	58	NNE	1	bc	2
Sumburgh Head ...	29.69	50	49	NNW	1	o	2	Valencia ...	29.72	65	59	W	3	bcp	3
Stornoway ...	29.74	52	56	E	3	bc	3	Scilly ...	29.80	66	63	WNW	2	bc	2
Aberdeen ...	29.75	60	55	SSE	3	b	1	Dungeness ...	29.74	60	56	ENE	3	r	3
Shields ...	29.78	59	54	E	2	c	2	London ...	29.78	64	56	E	2	o	*
Ardrossan ...	29.76	64	58	SW	1	bc	1	Yarmouth ...	29.87	63	57	E	4	b	3
Malin Head ...	29.71	64	59	S	2	o	0	Jersey ...	29.79	65	61	NNE	2	o	2
Mullaghmore ...	29.72	56	54	SSE	1	or	1	Rochefort ...	29.90	70	69	WSW	7	c	3
Belmullet ...	29.70	57	55	E	2	r	*								

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

The reports for yesterday morning showed that a large area of high pressure, in which readings were slightly above or below 30.0 in., lay over the whole of Central and the greater part of Southern Europe, while the lowest readings, 29.6 in. and less, were found over the Gulf of Bothnia and the adjacent coast. A small shallow depression, with readings below 29.7 in., was, however, lying over the north of France, while a large area of similarly low readings existed to the westward of the British Islands. With these conditions the wind varied greatly in different localities. Over France and the south of England a decided cyclonic circulation was shown round the depression noticed above, but in the west of our islands the wind was chiefly S<sup>W</sup> and over Denmark and the Baltic W<sup>N</sup>, while over Central and Southern Europe no decided current was shown. Cloudy weather prevailed in all the more western countries, with rain in the extreme south of England, the north of France and the Netherlands, but elsewhere conditions were mostly fair. Temperature had risen a little in most places and readings ranged from between 75° and 85° over the greater part of Southern Europe to 55° or less over the north of our islands, the west of Norway and many parts of Germany and Russia. The highest individual readings were 86° at Cagliari, 85° at Malta and Biotto, 84° at Brindisi, 83° at C. Beam and 81° at Barcelona and Palermo; the lowest were 48° at Sumburgh Head, 50° at Cassel, 51° at Skudeenæs and Warsaw and 52° at Bodo, Christiansund, Stornoway, York, Breslau, Uleaborg and Kiew.

In the course of the day the depression over the north of France moved slowly northeastwards and partially dispersed. In the evening, however, a new disturbance formed over our southwest coast, and rain was therefore experienced over nearly the whole of our islands.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Thursday 18<sup>th</sup> August

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 52° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sec. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
				Dir.	Force. (0 to 12.)		Reading at 52° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.	Haparanda	29.53	24	NW	2	0	29.58	+ .01	47	46	- 10	NW	2	0	*	63	?	0.16		
	Hernösand	29.69	50	Z	0	0	29.69	+ .02	57	52	0	N	2	0	+	64	50	0.29		
	Stockholm	29.74	57	Z	0	0	29.73	00	53	51	- 3	Z	0	+	65	46	-			
	Wishy	29.74	54	W	2	0	29.69	- .07	58	56	+ 2	W	2	0	+	63	52	-		
	Bodö	29.75	51	SW	2	0	29.64	- .09	51	51	- 1	W	4	0	3	52	50	0.08		
	Christiansund	29.87	53	NE	3	0	29.86	+ .08	53	51	+ 1	NNW	2	0	2	57	48	-		
	Skudeanaes	29.83	53	WNW	4	0	29.78	- .06	55	52	0	NW	4	0	2	?	?	-		
	Christiania Fjord (Færder)	29.83	53	WNW	4	0	29.78	- .06	55	52	0	NW	4	0	2	?	?	-		
	Skagen (The Scaw)	29.76	54	Z	0	0	29.70	- .02	57	54	+ 2	NNW	1	0	0	64	46	-		
	Faro	29.83	51	N	2	0	29.73	- .04	57	55	- 2	NNW	2	0	*	64	43	-		
BRITISH ISLANDS.	Sunburgh Head	29.79	51	Z	0	0	29.86	+ .12	51	50	+ 1	NNE	1	0	1	56	46	-		
	Stornoway	29.88	53	E	4	0	29.93	+ .10	52	52	0	E	5	0	5	57	47	0.14		
	Wick	29.81	52	W	1	0	29.87	+ .07	54	53	+ 3	NW	1	0	2	56	46	0.15		
	Nairn	29.85	53	W	1	0	29.87	+ .06	57	50	- 2	W	2	0	2	58	49	0.12		
	Aberdeen	29.84	53	NNW	1	0	29.86	+ .04	54	52	- 1	N	2	0	0	63	48	0.19		
	Leith	29.82	58	S	1	0	29.86	+ .05	56	52	- 4	NW	1	0	*	62	50	0.14		
	Shields	29.87	59	NW	1	0	29.85	+ .05	54	52	- 1	NNW	1	0	2	60	50	0.01		
	Spurn Head	29.80	59	E	3	0	29.83	+ .02	56	55	- 3	NNW	3	0	2	62	53	-		
	York	29.83	53	NW	1	0	29.86	+ .05	54	52	- 2	NW	1	0	*	63	48	0.41		
	Loughborough	29.80	58	NE	2	0	29.88	+ .07	55	53	- 1	WNW	3	0	*	64	51	0.01		
GERMANY.	Ardrossan	29.83	59	W	3	0	29.90	+ .08	55	51	+ 1	NNW	1	0	1	64	49	-		
	Malin Head	29.89	56	N	4	0	29.95	+ .10	54	53	- 2	N	5	0	4	58	53	0.01		
	Mullaghmore	29.96	56	NW	6	0	30.04	+ .15	54	51	- 3	NW	5	0	4	61	52	0.04		
	Belmullet	30.03	56	NNW	4	0	30.11	+ .16	54	51	- 3	N	3	0	*	60	52	0.07		
	Donaghadee	29.88	58	NNE	4	0	29.95	+ .12	57	53	0	NNE	5	0	3	62	50	-		
	Barrow-in-Farress	29.83	58	NW	2	0	29.86	+ .07	55	53	0	NW	4	0	*	58	52	0.18		
	Liverpool (Bidston)	29.83	55	NE	1	0	29.89	+ .11	55	52	0	WNW	5	0	2	58	52	0.22		
	Holyhead	29.85	57	N	4	0	29.95	+ .18	56	53	- 2	WNW	5	0	4	58	54	0.03		
	Parsonstown	29.96	59	NW	2	0	30.07	+ .19	53	50	- 2	NW	1	0	*	64	48	0.16		
	Valencia	30.08	57	NNW	4	0	30.15	+ .22	58	54	+ 4	N	2	0	2	63	54	0.09		
FRANCE & NETHERLANDS.	Roche's Point	29.95	62	N	5	0	30.10	+ .16	58	55	+ 1	NNW	3	0	3	66	54	0.15		
	Pembroke	29.87	57	NNW	4	0	30.01	+ .26	56	54	- 2	NW	4	0	3	62	53	0.03		
	Scilly	29.90	60	N	6	0	30.06	+ .30	60	58	0	NNW	5	0	5	63	58	0.11		
	Prawle Point	29.78	63	WNW	4	0	29.99	+ .23	61	56	+ 4	WNW	5	0	4	65	57	0.08		
	Jersey	29.80	63	WNW	4	0	29.94	+ .16	60	58	- 2	NNW	4	0	3	65	57	0.04		
	Hurst Castle	29.74	59	NW	3	0	29.91	+ .16	57	54	- 7	NNW	4	0	3	68	53	0.16		
	Dungeness	29.74	62	SW	3	0	29.79	00	58	54	+ 2	NW	4	0	3	65	51	0.20		
	London	29.74	60	Z	0	0	29.87	+ .08	57	53	+ 2	N	3	0	*	65	51	0.77		
	Oxford	29.77	54	Z	0	0	29.90	+ .13	55	52	- 1	NW	2	0	*	66	57	0.67		
	Cambridge	29.77	60	E	1	0	29.86	+ .04	59	55	+ 3	N	2	0	*	66	51	0.05		
PENINSULA.	Yarmouth	29.78	59	ESE	2	0	29.78	- .05	59	56	- 1	N	4	0	4	62	53	0.08		
	Cuxhaven	29.84	56	N	1	0	29.76	- .04	58	57	- 1	ENE	2	0	*	61	55	0.40		
	Berlin	29.87	60	NW	1	0	29.71	- .03	56	54	0	E	2	0	*	61	54	-		
	Wiesbaden	29.91	57	SW	4	0	29.68	- .14	57	55	- 5	SW	2	0	*	68	55	0.24		
	Munich	29.91	57	SW	4	0	29.80	- .16	52	50	- 10	SW	5	0	*	72	50	0.63		
	The Helder	29.77	61	ENE	1	0	29.71	- .11	59	57	0	NE	1	0	1	64	59	0.04		
	Brussels	29.75	64	W	1	0	29.76	- .06	58	56	- 2	N	7	0	5	68	52	0.47		
	Cape Gris Nez	29.78	58	SSE	1	0	29.87	- .08	55	54	0	N	3	0	*	66	52	0.87		
	Brest	29.91	61	NW	5	0	30.06	+ .24	58	54	+ 1	NNW	5	0	3	72	50	-		
	Lorient	29.89	61	NNW	7	0	30.06	+ .20	58	55	- 4	NNW	7	0	5	64	55	0.16		
Rocheport	29.98	64	NNW	7	0	30.08	+ .12	62	59	0	NW	7	0	3	70	57	0.16			
Belfort	29.92	64	E	?	0	29.94	- .07	54	52	- 9	E	?	0	*	76	53	0.16			
Lyons	29.76	78	SSH	4	0	29.73	- .11	68	53	- 4	W	5	0	5	88	59	-			
Nice	30.00	70	NW	7	0	30.06	+ .04	66	67	- 5	NW	7	0	*	82	64	-			
Perpignan	30.14	68	W	8	0	30.15	+ .09	65	62	- 3	W	8	0	4	72	63	0.08			
Biarritz	30.15	73	NNW	8	0	30.15	- .02	63	57	0	N	7	0	2	75	61	-			
Corunna																				
Lisbon																				

For Explanation of Columns see p. 4.



# WEATHER CHARTS

for 8 a.m. on Thursday, 18<sup>th</sup> August 1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

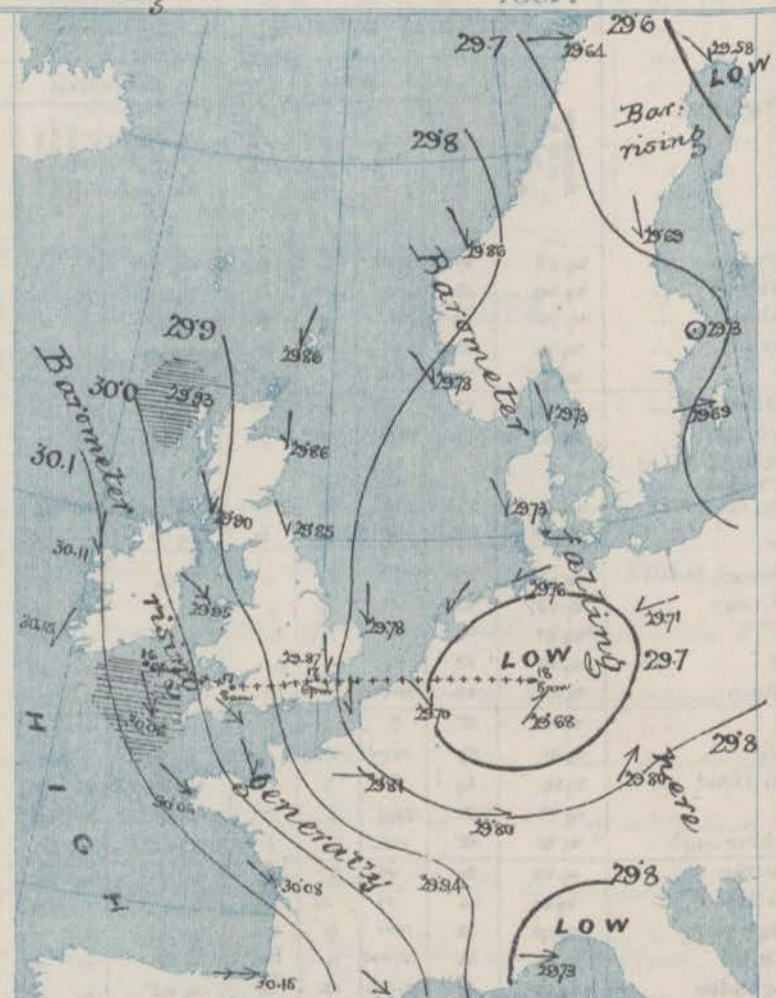
**Barometer** — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 \* — force above 10; — force 8 to 10;  
 — force 5 to 10; — force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

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

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head.	29.806
Stormoway.	29.800
Wick.	29.822
Nairn.	29.829
Aberdeen.	29.835
Leith.	29.852
Shields.	29.876
York.	29.905
Ardrossan.	29.856
Donaghadee.	29.868
Holyhead.	29.893
Liverpool.	29.898
Valencia.	29.908
Roche's Point.	29.908
Pembroke.	29.910
Scilly.	29.951
Hurst Castle.	29.949
Dover.	29.945
LONDON.	29.943
Oxford.	29.929
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## TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

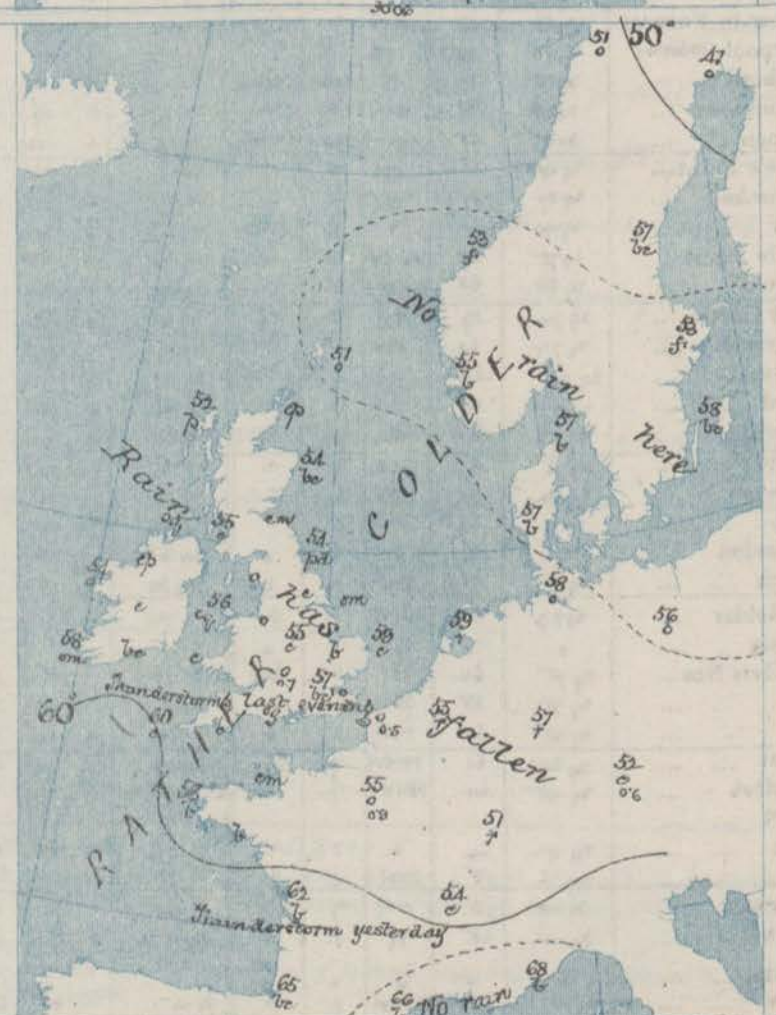
**Temperature** — Isotherms are drawn for each 10° changes since previous morning are stated in words.  
**Weather** — is shown by Letters of the Beaufort Scale.  
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more,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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August.

STATIONS.	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.	At 8 a.m.	
			Dry.	Wet.	
Sumburgh Head.	58.3	48.8	54.1	52.4	3.21
Stormoway.	58.5	49.2	55.8	53.9	3.57
Wick.	61.3	48.7	55.6	53.6	2.35
Nairn.	63.6	50.6	56.0	53.1	2.81
Aberdeen.	63.0	50.7	56.8	53.9	3.13
Leith.	66.3	52.2	58.1	55.2	2.62
Shields.	63.7	53.2	58.0	55.3	2.81
York.	68.2	51.8	58.7	56.0	2.47
Ardrossan.	62.7	54.0	57.8	55.0	4.08
Donaghadee.	61.2	52.6	57.2	55.9	2.99
Holyhead.	65.2	55.7	58.9	56.9	2.89
Liverpool.	66.3	54.7	59.2	55.1	2.79
Valencia.	65.4	54.7	59.8	57.1	4.65
Roche's Point.	67.5	54.7	59.4	56.8	3.69
Pembroke.	64.4	56.1	59.4	57.1	2.91
Scilly.	65.4	57.8	61.3	59.3	2.45
Hurst Castle.	67.9	56.8	61.7	59.8	2.31
Dover.	67.3	58.2	63.3	59.6	2.06
LONDON.	72.3	54.2	61.9	58.5	2.20
Oxford.	69.6	53.9	59.8	57.3	2.33
Cambridge.	71.9	52.8	60.7	57.9	2.25
Yarmouth.	66.9	55.7	61.4	58.5	2.17

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.1 in. and upwards, in a large area extending northwards from Spain to our southwest coast and the west of Ireland.  
Lowest, 29.6 in. and less, in the north of Sweden, but relatively low, 29.7 in. and less, over the Netherlands and North-western Germany.

## TEMPERATURE

Highest, 68° at Nice, 66° at Perpignan, 65° at Biarritz, 63° at Lisbon, 62° at Rochefort and 61° at Prowle Point.  
Lowest, 47° at Haparanda, 51° at Rostö, Lumburgh Head and Naurn, 52° at Stornoway and 53° at Parsonstown.

## WIND

NW<sup>3</sup> or N<sup>4</sup> over the British Islands, France and Scandinavia; fresh or strong in force in the west.  
A distinct cyclonic circulation is shown round the depression noticed above, the wind being light from the NE<sup>4</sup> at Cuxhaven and Helder, from NW at Brussels and from SW at Wiesbaden and Munich.

## WEATHER

Rainy over the Netherlands and showery in the north of our islands, but fair or fine elsewhere.  
[Rain fell generally yesterday, and severe thunderstorms occurred in many parts of England. In the London district the amount of rainfall varied considerably, being only 0.5 in. at Westminster, but 1.0 in. at Clapham and 2.0 in. at Brixton.]

## SEA

Rather rough at Stornoway and Sallee, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow and irregularly formed depression noticed over England yesterday has passed away to the Netherlands and North Germany, and the barometer has risen in all parts of our islands and France. A large area of high pressure now extends northwards from Spain to our southwest coast and the west of Ireland.

There is at present no sign of the approach of any new depression, and N<sup>4</sup> breezes, with generally fair weather are therefore likely to continue for a time.

## FORECASTS

for the 24 hours ending at NOON on 19<sup>th</sup> AUGUST 1887.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	NW <sup>3</sup> & N <sup>4</sup> winds, light; changeable, some showers.
1	SCOTLAND EAST	.....D.....D.....D.....
2	ENGLAND N.E.	.....D.....D.....D.....
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	Same as N° 5.
5	ENGLAND SOUTH	N <sup>3</sup> and NW <sup>4</sup> winds, moderate; fair generally, but some showers.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	NW <sup>3</sup> to N <sup>4</sup> winds, fresh; fair generally, but local showers.
7	ENGLAND N.W.	.....D.....D.....D.....
8	ENGLAND S.W.	.....D.....D.....D.....
9	IRELAND NORTH	N <sup>3</sup> winds, moderate or fresh; fair generally, but local showers.
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.	Ses.		Bar.	Dry.	Wet.	Wind.	Wes.	Ses.
Skudesnaes ...	29.80	63	50	W 4	b	2	Holyhead ...	29.89	58	64	N 3	rmg	3
Stamburgh Head ...	29.78	53	49	L 0	o	1	Valencia ...	30.04	62	58	N 4	bepg	5
Stornoway ...	29.80	56	54	E 4	op	4	Scilly ...	29.82	61	60	NNW 6	ap	5
Aberdeen ...	29.82	58	65	E 2	op	0	Dungeness ...	29.78	61	59	S 3	c	2
Shields ...	29.81	59	60	SW 1	og	2	London ...	29.75	64	56	ESE 2	c	*
Ardrossan ...	29.82	63	56	WNW 3	bc	2	Yarmouth ...	29.82	61	58	ESE 3	c	3
Malin Head ...	29.89	57	54	N 4	bc	3	Jersey ...	29.80	62	58	WNW 3	c	2
Mullaghmore ...	29.94	59	55	NNW 5	cy	4	Rocheport ...	29.98	68	63	W 7	o	2
Belmullet ...	30.01	58	54	NNW 4	c	*							

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

The reports for yesterday morning showed that pressure was highest, 30.1 ins. and upwards, over Portugal, and lowest, 29.6 ins. and less, over Northern Europe. In the intervening regions, however, several shallow depressions existed, the most important being a well defined system over Poland and Eastern Germany, and a large but irregularly formed disturbance over the greater part of England and the Channel. With these conditions the winds over the more central and northern countries varied considerably in direction, but in Spain and the west of our Islands it was fresh from the N<sup>th</sup>, while in France it was chiefly SW<sup>ly</sup> or W<sup>ly</sup>. The weather was fair on the whole, but showers were reported in the neighbourhood of the low pressure systems and thunder at Lorient. Temperature had fallen a little over our Islands, as well as in Denmark, France and Spain, but risen elsewhere; readings ranged from 45° and upwards over southern Europe to 55° or less over the northern parts of Russia, Scandinavia, and Great Britain. The highest individual readings were 90° at Malta, 87° at Palma, 86° at Cagliari, 84° at Brindisi, 83° at Leria, and 82° at Trieste, the lowest were 50° at Lumburgh H<sup>d</sup>, 51° at Wick, and 52° at Bodø, Christiansund, Riga, Charkov, and Stornoway.

In the course of the day the depression over England moved slowly eastward, its progress being attended by thunderstorms of unusual severity and heavy falls of rain in many places.

### REMARKS FOR THE 24 HOURS ENDING 8 a.m. AUGUST 16<sup>th</sup> 1887.

The Continental reports for Monday morning showed that while the highest pressures of all (30.1 ins. and upwards) were situated over Germany, a large area of relatively high readings extended from Central Europe to the west of our islands, while another lay over Algeria and the western part of the Mediterranean. Light NW<sup>ly</sup> breeze prevailed over the north and east of our islands, the eastern shore of the North Sea and the greater part of Germany, and SW<sup>ly</sup> breeze over Northern Russia, but in France, Italy and Algeria, the wind varied between N. and NE. The weather was fair or fine over all the more western and southern countries, but dull and unsettled over Scandinavia and Russia, with rain in many places. Temperature had risen a little over the southern parts of our islands, but fallen elsewhere; readings ranged from 80° and upwards over Algeria and Southern Italy to 50° or less in the north of Scotland and the west of Norway. The highest individual readings were 86° at Cagliari, 85° at Brindisi, 84° at Leria, 83° at Malta and 82° at Palma; the lowest were 45° at Lumburgh Head, 48° at Münster, 49° at Christiansund, Wick and Aberdeen, 50° at Casabl and 51° at Stornoway and Riga.

In the course of the day the barometer fell in all parts of our islands and France, and a depression advanced from the west westward over the Bay of Biscay. No important change was observed, however, in the winds or weather.

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

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

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

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

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



# DAILY WEATHER REPORT.

for Friday 19<sup>th</sup> AUGUST 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 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 ..	29.67	48	Z	0	b	29.72	+ .14	53	52	+ 6	Z	0	c	*	57	43	—	
Hernösand ...	29.70	53	Z	0	b	29.73	+ .04	54	50	— 3	Z	0	c	*	72	50	0.04	
Stockholm ...	29.72	54	Z	0	b	29.74	+ .01	56	52	+ 3	NE	2	o	*	63	46	0.08	
Wisby ...	29.68	57	E	2	b	29.69	— .00	57	52	— 1	N	4	b	*	66	52	—	
Bodo ...	29.66	51	Z	0	c	29.69	+ .05	54	50	+ 3	Z	0	c	0	54	48	—	
Christiansund...	29.82	52	NW	3	r	29.77	— .09	50	49	— 3	WNW	4	r	3	58	46	0.20	
Skudesnaes ...	29.79	53	WNW	2	b	29.79	+ .01	53	50	— 2	NNW	6	c	3	59	?	—	
Christiania Fjord (Furder)	29.71	62	WNW	2	b	29.73	— .02	56	51	—	NNW	3	b	1	64	55	—	
Skagen (The Sound)	29.71	58	N	1	b	29.72	— .01	58	57	+ 1	N	1	b	0	66	52	—	
Fafo ...	29.73	55	NW	4	b	29.74	+ .01	65	64	+ 8	N	2	b	*	66	52	—	
BRITISH ISLANDS.																		
Sumburgh Head	29.90	53	N	1	o	29.93	+ .07	52	50	+ 1	N	1	c	0	59	47	0.01	
Stornoway ...	30.00	54	E	5	o	29.98	+ .05	52	51	— 0	E	3	o	3	57	47	0.10	
Wick ...	29.93	54	NW	1	b	29.96	+ .09	55	52	+ 1	E	1	o	0	60	47	0.01	
Nairn ...	29.93	55	NNE	1	r	29.96	+ .09	52	50	+ 1	?	2	c	1	62	48	0.12	
Aberdeen...	29.90	54	NE	3	b	29.95	+ .09	54	52	— 0	NNW	2	c	1	58	48	0.04	
Leith ...	29.89	59	NW	1	b	29.95	+ .09	56	52	— 0	N	1	c	*	64	50	0.12	
Shields ...	29.86	56	N	2	c	29.92	+ .07	58	52	— 1	N	2	o	2	59	50	0.83	
Spurn Head ...	29.87	56	NNW	3	c	29.87	+ .04	53	52	— 3	WNW	3	b	2	62	50	0.16	
York ...	29.88	54	WNW	3	o	29.91	+ .05	52	51	— 2	NW	3	r	*	63	45	0.06	
Loughborough	29.89	59	WNW	2	c	29.94	+ .06	54	51	— 1	WNW	2	b	*	63	44	0.07	
Ardrossan ...	29.90	61	NNW	3	c	29.96	+ .06	56	53	+ 1	SSE	1	c	0	62	49	—	
Malin Head ...	30.00	55	NNW	4	c	29.98	+ .03	54	52	— 0	NNW	3	o	3	57	52	0.05	
Mullaghmore ...	30.07	57	NNW	5	c	30.04	— .00	54	51	— 0	NNE	2	o	2	60	52	0.03	
Belinlet ...	30.12	57	N	3	o	30.06	— .05	53	52	— 1	E	3	o	*	59	51	0.10	
Donaghadee ...	29.97	58	NNE	5	b	29.98	+ .03	55	52	— 2	W	4	c	3	62	51	—	
GERMANY.																		
Barrow-in-Furness	29.90	56	NW	4	c	29.94	+ .08	53	51	— 2	NE	1	b	*	62	48	0.08	
Liverpool (Bidston)	29.91	59	WNW	5	b	29.95	+ .06	56	51	+ 1	N	1	b	3	61	51	0.11	
Holyhead ...	29.97	58	WNW	4	b	29.97	+ .02	56	53	— 0	NNW	4	c	4	62	54	—	
Parsonstown ...	30.07	59	NW	2	b	30.07	— .00	50	49	— 3	Z	0	o	*	62	41	—	
Valencia ...	30.14	61	NNW	2	b	30.07	— .08	50	53	— 2	Z	0	o	0	64	49	—	
Roche's Point...	30.08	64	NNW	3	b	30.05	— .05	54	51	— 4	N	2	c	2	65	50	0.01	
Pembroke ...	30.03	57	NNW	3	b	30.01	— .00	56	55	— 0	NNW	2	b	2	59	52	—	
Seilly ...	30.07	61	NW	2	c	30.02	— .04	61	58	+ 1	NNW	1	c	2	63	56	—	
Prawle Point ...	30.02	59	WNW	6	c	30.01	+ .02	61	57	— 0	WNW	2	c	3	68	49	—	
Jersey ...	30.04	63	WNW	4	b	30.01	+ .07	62	57	+ 2	WNW	3	b	3	65	57	—	
Hurst Castle ...	29.94	62	NNW	4	c	29.97	+ .06	59	53	+ 2	NNW	3	b	2	66	49	—	
Dungeness ...	29.86	65	N	2	r	29.92	+ .13	56	52	— 2	NNW	3	c	2	67	45	0.02	
London ...	29.89	62	NW	2	c	29.95	+ .08	58	50	— 4	NNW	2	b	*	65	45	0.02	
Oxford ...	29.94	55	NW	3	b	29.95	+ .05	55	51	— 0	NW	2	b	*	62	46	—	
Cambridge ...	29.86	56	NNW	1	o	29.93	+ .07	58	53	— 3	NW	1	b	*	67	47	0.09	
Yarmouth ...	29.86	57	N	3	c	29.89	+ .11	57	54	— 2	NW	2	c	3	63	50	0.04	
Cuxhaven ...	29.78	56	N	4	b	29.77	+ .01	58	57	— 0	NNE	3	o	*	61	55	—	
Berlin ...	29.65	60	W	1	o	29.72	+ .01	57	54	+ 1	NW	1	b	*	64	54	—	
Wiesbaden ...	*	*	*	*	*	29.87	+ .19	56	54	— 1	NW	3	r	*	63	54	0.67	
Munich ...	29.79	57	W	6	o	29.90	+ .10	57	50	— 1	W	8	r	*	59	48	0.75	
FRANCE & NETHERLANDS.																		
The Helder ...	29.81	58	NNE	1	r	29.85	+ .13	58	54	— 1	Z	0	c	1	64	55	0.04	
Brussels ...	*	*	*	*	*	29.90	+ .20	55	53	— 0	WSW	3	b	*	62	52	0.24	
Cape Gris Nez...	29.88	57	N	1	c	29.91	+ .16	56	53	— 2	WNW	4	b	3	68	55	0.08	
Paris ...	29.93	61	WNW	4	c	30.00	+ .19	56	53	+ 1	W	3	c	*	68	53	0.16	
Brest ...	30.14	61	W	1	c	30.05	— .01	57	57	— 1	Z	0	b	2	72	50	—	
Lorient ...	30.09	63	NW	5	b	30.06	— .00	58	58	— 2	NW	1	c	2	66	54	—	
Rochefort ...	30.14	64	NW	7	b	30.13	+ .05	64	59	+ 2	NW	4	c	2	66	57	—	
Belfort ...	29.88	55	SW	4	r	30.01	+ .21	53	52	+ 2	SW	4	r	*	60	49	0.20	
Lyons ...	30.03	55	NNW	3	o	30.06	+ .12	56	53	+ 2	W	1	b	*	63	52	—	
Nice ...	29.76	73	WNW	1	b	29.79	+ .06	73	56	+ 5	ENE	1	b	*	75	52	—	
Perpignan ...	30.04	68	W	5	b	30.08	+ .02	64	54	— 2	W	4	b	*	75	60	—	
Biarritz ...	30.19	66	WNW	5	c	30.13	— .02	62	59	— 3	WSW	7	o	3	70	59	0.12	
PENINSULA.																		
Corunna ...	*	*	*	*	*	29.97	— .18	69	59	+ 6	NNE	4	b	2	81	7	—	
Lisbon ...	30.01	70	NNW	7	b	29.97	— .18	69	59	+ 6	NNE	4	b	2	81	7	—	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

Friday, 19<sup>th</sup> August.

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

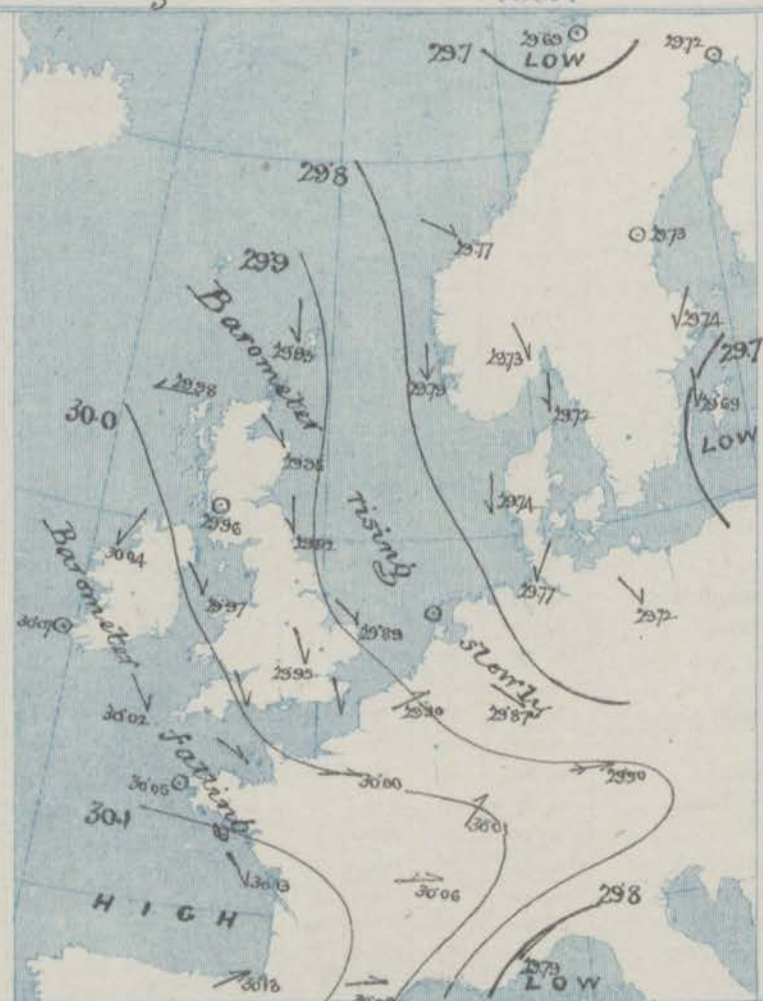
→ — forces above 10, → — forces 8 to 10,  
→ — forces 5 to 7, → — forces 1 to 4,  
○ — dead calm.

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

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head.	29.806
Stornoway	29.800
Wick	29.822
Nairn	29.829
Aberdeen	29.835
Leith	29.852
Shields	29.876
York	29.905
Ardrossan	29.856
Donaghadee	29.868
Holyhead	29.893
Liverpool	29.898
Valencia	29.908
Roches Point	29.908
Pembroke	29.910
Scilly	29.951
Hurst Castle	29.949
Dover	29.945
LONDON	29.913
Oxford	29.929
Cambridge	29.929
Yarmouth	29.928



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

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

**Weather** — is shown by Letters of the Beaufort Scale.

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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m. Dry	Wet	
Sumburgh Head	58.3	48.8	54.1	52.4	3.21
Stornoway	58.5	49.2	55.8	53.9	3.57
Wick	61.3	48.7	56.6	53.6	2.35
Nairn	63.6	50.6	56.0	53.1	2.81
Aberdeen	63.0	50.7	56.8	53.9	3.13
Leith	66.3	52.2	58.1	55.2	2.62
Shields	63.7	53.2	58.0	55.3	2.81
York	68.2	51.8	58.7	56.0	2.47
Ardrossan	62.7	54.0	57.8	55.0	4.08
Donaghadee	61.2	52.0	57.3	55.9	2.99
Holyhead	65.2	55.7	58.9	56.9	2.89
Liverpool	66.3	54.7	59.2	56.1	2.79
Valencia	65.4	54.7	59.8	57.1	4.65
Roches Point	67.5	54.7	59.4	56.8	3.59
Pembroke	64.4	56.4	59.4	57.1	2.91
Scilly	65.4	57.8	61.3	59.3	2.45
Hurst Castle	67.9	56.8	61.7	59.8	2.31
Dover	67.3	58.2	63.3	59.6	2.06
LONDON	72.3	54.2	61.9	58.5	2.20
Oxford	69.0	53.9	59.8	57.3	2.33
Cambridge	71.9	52.8	60.7	57.9	2.25
Yarmouth	66.9	55.7	61.4	58.5	2.17

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 ins. and upwards, in an anticyclone lying over the southern part of the Bay of Biscay and the north of Spain.  
Lowest, 29.7 ins. and less, over the Baltic and the north of Norway; 29.8 ins. and less over the Gulf of Genoa.

## TEMPERATURE

Highest, 73° at Nice, 69° at Baston, 65° at Faro, 64° at Rochefort and Bapaume and 62° at Jersey and Biarritz.  
Lowest, 50° at Christiansund and Parsonstown, 52° at Lumburgh Head, Hornoway, Nairn and York and 53° at Haparanda, Hudsons, Belmullet, Barrow-in-Furness and London.

## WIND

Chiefly N<sup>W</sup> or NW<sup>W</sup> in direction and light or moderate in force.  
E<sup>W</sup> in the extreme north of Scotland; W<sup>W</sup> in Germany and the east of France, with a gale at Munich.

## WEATHER

Fair generally, but rainy at Lumburgh Head and York, as well as at some of the German stations.  
[Showers occurred yesterday in most places, with thunderstorms in some parts of England and lightning at night.]

## SEA

Moderate at Holyhead, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions which lay over the Netherlands and Germany yesterday has now disappeared from our area, and the barometer has risen at our eastern and most of the Continental stations. In the southwest of our islands and the west of France, however, the mercury has fallen somewhat, and the high pressure system which extended yesterday from Spain to our extreme western coast is now confined to the Bay of Biscay.

The fall of the barometer in the southwest, coupled with the fact that the NW<sup>W</sup> wind there has either fallen light or subsided to a calm, seems to show that a new depression is advancing from the westward. At present, however, the system is apparently at a considerable distance from our coast, and the indications are not sufficiently decided to serve as the basis of any very definite forecast.

## FORECASTS

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

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	NE <sup>W</sup> winds, light; cloudy, some showers.
1	SCOTLAND EAST	Light breezes, chiefly NW <sup>W</sup> ; fair generally, but some showers.
2	ENGLAND N.E.	.....D.....D.....D.....
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	Same as N° 5.
5	ENGLAND SOUTH	NW <sup>W</sup> to W <sup>W</sup> or SW <sup>W</sup> winds, light; changeable, some showers.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	N <sup>W</sup> and NE <sup>W</sup> winds, light; fair generally.
7	ENGLAND N.W.	.....D.....D.....D.....
8	ENGLAND S.W.	Light variable breezes; fair to dull and some rain.
9	IRELAND NORTH	N <sup>W</sup> to NE <sup>W</sup> winds, moderate; cloudy, rain locally.
10	IRELAND SOUTH	.....D.....D.....D.....

### WARNINGS

NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.77	59	54	NW 4	b	2	Holyhead ...	29.98	61	50	WNW 4	bca	4
Sumburgh Head ...	29.89	55	52	L 0	o	1	Valencia ...	30.15	64	59	NW 2	cm	2
Stornoway ...	29.97	56	52	N 5	op	5	Scilly ...	30.10	60	50	WNW 5	c	5
Aberdeen ...	29.88	56	53	NE 3	cp	1	Dungeness ...	29.85	66	55	N 4	c	2
Shields ...	29.87	56	53	N 1	c	2	London ...	29.89	63	54	NW 3	o	*
Ardrossan ...	29.90	61	55	NNW 4	c	2	Yarmouth ...	29.84	62	56	N 3	bu	3
Malin Head ...	29.99	55	54	NNW 5	o	4	Jersey ...	30.05	65	57	WNW 4	b	3
Mullaghmore ...	30.07	56	53	NW 5	expa	4	Rochefort ...	30.15	65	63	NW 5	b	3
Belmullet ...	30.13	57	53	NW 3	bu	*							

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

The reports for yesterday morning showed that an area of high pressure in which readings exceeded 301 ins: extended from Spain to the southwest of our Islands, while a large area of low pressure with several distinct minima lay over the greater part of Central and northern Europe. The most important of these minima was situated over Germany and the Netherlands, and was identical with that noticed over England on the previous day. The wind was NW or N over nearly the whole of Western Europe, and fresh or strong in force on our western coasts, but in Germany it circulated round the cyclonic centre just noticed, while in Italy it was chiefly S, and in Algeria very variable. Rain was falling over Central Europe, and passing showers in the north of the British Isles, but elsewhere the weather was mostly fair. Temperature had fallen a little generally, and readings varied from 80° and upwards at several of the Italian and Algerian stations as well as over southern Austria to 55° or less over nearly all the more northern countries. The highest individual readings were 90° at Malta, 88° at Annaba, 87° at Brindisi, 85° at Biskra, 82° at Oran and Lesina, and 81° at Algiers and Cagliari; the lowest were 47° at Haparanda, 50° at St. Petersburg, 51° at Rode, Sumburgh Head, and Kairi, 52° at Stornoway and 53° at Larsoatrom and Uleaborg.

In the course of the day the low pressure system over Europe moved slowly eastward. On our extreme west and southern coasts, however, a new fall of the barometer set in while the N winds there decreased in force.

### 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* 20<sup>th</sup> AUGUST 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 3 P.M. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer. Reading at 3 P.M. 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 ...	29.79	52	NE	4	bc	29.78	+ .06	52	51	—	1	NE	4	r	*	66	41	—	
Hernösand ...	29.74	51	Z	0	b	29.74	+ .01	55	52	+	1	Z	0	b	*	68	45	—	
Stockholm ...	29.75	55	E	2	b	29.72	— .02	57	52	+	1	N	4	b	*	66	50	0.08	
Wisby ...	29.71	56	N	2	b	29.67	— .02	58	53	+	1	N	4	b	*	?	?	—	
Bodö ...	29.78	56	ENE	2	c	29.50	+ .11	58	52	+	4	ENE	4	b	2	63	52	—	
Christiansund ...	29.81	51	W.	3	f	29.80	+ .05	53	50	+	3	NW	1	f	2	54	48	0.16	
Skudesnaes ...	29.82	52	NW	6	c	29.78	— .01	53	49	—	0	NW	4	c	2	57	52	—	
Christiania Fjord (Færder)	29.71	60	WSW	2	b	29.73	.00	55	52	—	1	E	2	b	1	64	55	—	
Skagen (The Scaw)	29.72	55	Z	0	b	29.71	— .01	54	53	—	4	WSW	1	b	0	66	48	—	
Fanö ...	29.79	53	NW	2	b	29.78	+ .04	58	53	—	7	WNW	4	c	*	?	48	—	
BRITISH ISLANDS.																			
Sumburgh Head	29.95	51	NNW	1	r	29.95	+ .02	48	47	—	4	N	3	c	3	55	44	0.04	
Stornoway ...	30.03	54	E	4	bc	30.05	+ .07	50	49	—	2	E	3	ow	3	57	44	0.22	
Wick ...	30.00	54	NW	1	c	30.00	+ .04	50	48	—	5	NW	1	o	0	58	45	0.03	
Nairn ...	29.99	55	NE	1	c	30.02	+ .06	52	48	—	0	N	2	c	2	61	46	0.01	
Aberdeen ...	29.96	55	ENE	1	c	30.00	+ .05	52	47	—	2	N	3	c	1	58	46	0.17	
Leith ...	29.95	57	NE	1	bc	30.01	+ .06	53	51	—	3	NW	1	cm	*	63	49	—	
Shields ...	29.94	56	NE	2	c	29.99	+ .07	54	52	+	1	N	2	cp	2	58	50	0.10	
Sparn Head ...	29.90	57	NE	4	bc	29.94	+ .07	58	57	+	5	NE	4	bc	3	61	52	—	
York ...	29.93	54	NNN	1	r	29.97	+ .06	55	52	+	3	N	2	b	*	60	47	0.21	
Loughborough	29.91	57	Z	0	o	29.98	— .01	54	53	—	0	NE	3	o	*	62	48	0.01	
Ardrossan ...	29.94	58	Z	0	o	30.02	+ .06	54	51	—	2	S	1	om	0	62	48	—	
Malin Head ...	29.96	56	N	3	b	30.03	+ .05	56	54	+	2	NNE	3	cp	2	57	51	0.03	
Mullaghmore ...	29.99	55	N	5	o	30.05	+ .01	59	54	+	5	ENE	1	b	1	59	46	0.08	
Belmullet ...	30.01	56	NE	2	c	30.05	— .01	58	53	+	5	NE	2	b	*	59	50	—	
Donaghadee ...	29.96	57	NNW	3	bc	30.03	+ .05	58	55	+	3	NE	5	b	3	58	51	—	
GERMANY.																			
Barrow-in-Furness	29.93	57	NNE	1	o	29.97	+ .03	54	51	+	1	N	2	bc	*	60	49	0.01	
Liverpool (Bidston)	29.92	57	NNW	2	c	29.97	+ .02	57	52	+	1	NE	1	b	2	64	51	0.01	
Holyhead ...	29.94	58	NW	2	c	29.98	+ .01	57	53	+	1	NE	3	bm	2	60	53	0.07	
Parsonstown ...	29.98	54	NNE	1	o	30.05	— .02	46	45	—	4	Z	0	f	*	60	44	0.07	
Valencia ...	29.99	56	NNW	1	o	30.05	— .02	57	52	+	1	N	1	b	1	62	47	0.07	
Roche's Point...	29.96	55	WNW	2	o	29.99	— .06	55	52	+	1	N	3	b	3	60	50	0.01	
Pembroke ...	29.95	56	NW	1	c	29.93	— .08	57	56	+	1	NNE	3	c	2	59	50	0.04	
Scilly ...	29.96	60	Z	0	o	29.91	— .11	58	56	—	3	N	4	bc	3	65	53	0.01	
Prawle Point ...	29.92	60	W	3	c	29.87	— .14	53	52	—	8	N	2	o	2	65	54	0.06	
Jersey ...	29.95	63	WNW	3	c	29.94	— .17	54	53	—	8	NNW	2	otr	2	66	54	0.12	
Hurst Castle ...	29.91	61	W	4	ow	29.87	— .08	56	54	—	3	NE	1	om	2	69	52	0.14	
Dungeness ...	29.88	61	W	3	c	29.87	— .11	60	54	+	4	ENE	1	c	2	65	47	—	
London ...	29.88	59	NW	2	c	29.87	— .08	54	52	+	1	NE	1	o	*	68	48	0.05	
Oxford ...	29.90	55	N	1	b	29.89	— .06	52	50	—	3	NNE	3	o	*	65	50	—	
Cambridge ...	29.89	61	NNE	1	b	29.89	— .04	56	54	—	0	NNE	1	c	*	65	46	0.01	
Yarmouth ...	29.89	58	ENE	1	c	29.88	— .01	57	55	—	0	ENE	5	c	4	61	52	0.31	
Cuxhaven ...	29.86	57	NNW	3	c	29.85	— .08	60	57	+	2	NW	3	c	*	61	56	—	
Berlin ...	29.78	59	Z	0	o	29.87	+ .09	56	54	—	1	NW	1	o	*	68	52	—	
Wiesbaden ...	*	*	*	*	*	29.88	+ .01	53	51	—	3	W	1	bc	*	64	46	0.16	
Munich ...	30.02	50	Z	0	o	29.94	+ .04	53	49	+	2	SE	2	bc	*	55	43	0.16	
FRANCE & NETHERLANDS.																			
The Helder ...	29.88	59	Z	0	o	29.87	+ .02	57	54	—	1	NNE	1	o	1	63	55	0.08	
Brussels ...	*	*	*	*	*	29.89	— .01	57	54	+	2	WNW	1	bc	*	64	51	—	
Cape Gris Nez...	29.91	60	W	4	bc	29.83	— .09	58	55	+	2	W	1	c	1	63	52	0.24	
Paris ...	29.96	60	S	1	bc	29.83	— .17	53	53	—	3	NE	1	o	*	67	50	—	
Brest ...	29.98	60	N	3	b	29.88	— .17	59	52	+	2	NNW	1	r	2	72	50	0.20	
Lorient ...	29.96	61	WSW	3	c	29.86	— .20	55	51	—	1	? NW	3	c	2	64	52	—	
Rochefort ...	30.00	60	SSW	5	r	29.85	— .28	59	57	—	5	NNW	4	o	2	68	52	0.24	
Belfort ...	29.97	54	SW	1	r	29.87	— .14	54	51	+	1	SW	3	o	*	62	40	—	
Lyons ...	30.01	62	NNW	1	b	29.92	— .14	52	51	—	4	SSE	1	r	*	65	51	—	
Nice ...	29.77	71	Z	0	b	29.80	+ .01	66	58	—	7	Z	0	o	1	79	54	—	
Perpignan ...	29.98	71	N	3	b	29.89	— .19	59	56	—	5	NW	3	o	*	77	55	—	
Biarritz ...	30.03	67	W	3	o	29.90	— .23	64	62	+	2	WSW	7	r	2	72	?	0.12	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lisbon ...	29.91	75	NNW	7	b	29.93	— .04	70	61	+	1	N	5	b	2	86	66	—	
PENIN- SULA.																			



For Explanation of Columns, see p. 4.



## 1887.

(Explanation of Map)

$\rightarrow =$  forces above  $W_i$   $\rightarrow =$  forces  $8$  to  $W_i$   
 $\rightarrow =$  forces  $5$  to  $7_i$   $\rightarrow =$  forces  $1$  to  $4_i$   
 $\odot =$  devil cult.

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

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

This is a hand-drawn weather map of the North Atlantic and Europe, showing pressure systems and fronts. The map includes the following features:

- Pressure Systems:**
  - A **High Barometer** is labeled on the left side of the map, with arrows pointing towards the center of the high.
  - A **Low Barometer** is labeled in the lower-left quadrant, with arrows pointing away from the center of the low.
  - A **LOW** system is circled over the British Isles, with a dashed line around it.
  - A **HIGH** system is labeled in the lower-right quadrant.
- Pressure Values:** Numerous numerical values are written across the map, including 29.9, 30.0, 30.05, 29.85, 29.82, 29.78, 29.74, 29.7, 29.67, 29.65, 29.60, 29.59, 29.58, 29.57, 29.56, 29.55, 29.54, 29.53, 29.52, 29.51, 29.50, 29.49, 29.48, 29.47, 29.46, 29.45, 29.44, 29.43, 29.42, 29.41, 29.40, 29.39, 29.38, 29.37, 29.36, 29.35, 29.34, 29.33, 29.32, 29.31, 29.30, 29.29, 29.28, 29.27, 29.26, 29.25, 29.24, 29.23, 29.22, 29.21, 29.20, 29.19, 29.18, 29.17, 29.16, 29.15, 29.14, 29.13, 29.12, 29.11, 29.10, 29.09, 29.08, 29.07, 29.06, 29.05, 29.04, 29.03, 29.02, 29.01, 29.00, 28.99, 28.98, 28.97, 28.96, 28.95, 28.94, 28.93, 28.92, 28.91, 28.90, 28.89, 28.88, 28.87, 28.86, 28.85, 28.84, 28.83, 28.82, 28.81, 28.80, 28.79, 28.78, 28.77, 28.76, 28.75, 28.74, 28.73, 28.72, 28.71, 28.70, 28.69, 28.68, 28.67, 28.66, 28.65, 28.64, 28.63, 28.62, 28.61, 28.60, 28.59, 28.58, 28.57, 28.56, 28.55, 28.54, 28.53, 28.52, 28.51, 28.50, 28.49, 28.48, 28.47, 28.46, 28.45, 28.44, 28.43, 28.42, 28.41, 28.40, 28.39, 28.38, 28.37, 28.36, 28.35, 28.34, 28.33, 28.32, 28.31, 28.30, 28.29, 28.28, 28.27, 28.26, 28.25, 28.24, 28.23, 28.22, 28.21, 28.20, 28.19, 28.18, 28.17, 28.16, 28.15, 28.14, 28.13, 28.12, 28.11, 28.10, 28.09, 28.08, 28.07, 28.06, 28.05, 28.04, 28.03, 28.02, 28.01, 28.00, 27.99, 27.98, 27.97, 27.96, 27.95, 27.94, 27.93, 27.92, 27.91, 27.90, 27.89, 27.88, 27.87, 27.86, 27.85, 27.84, 27.83, 27.82, 27.81, 27.80, 27.79, 27.78, 27.77, 27.76, 27.75, 27.74, 27.73, 27.72, 27.71, 27.70, 27.69, 27.68, 27.67, 27.66, 27.65, 27.64, 27.63, 27.62, 27.61, 27.60, 27.59, 27.58, 27.57, 27.56, 27.55, 27.54, 27.53, 27.52, 27.51, 27.50, 27.49, 27.48, 27.47, 27.46, 27.45, 27.44, 27.43, 27.42, 27.41, 27.40, 27.39, 27.38, 27.37, 27.36, 27.35, 27.34, 27.33, 27.32, 27.31, 27.30, 27.29, 27.28, 27.27, 27.26, 27.25, 27.24, 27.23, 27.22, 27.21, 27.20, 27.19, 27.18, 27.17, 27.16, 27.15, 27.14, 27.13, 27.12, 27.11, 27.10, 27.09, 27.08, 27.07, 27.06, 27.05, 27.04, 27.03, 27.02, 27.01, 27.00, 26.99, 26.98, 26.97, 26.96, 26.95, 26.94, 26.93, 26.92, 26.91, 26.90, 26.89, 26.88, 26.87, 26.86, 26.85, 26.84, 26.83, 26.82, 26.81, 26.80, 26.79, 26.78, 26.77, 26.76, 26.75, 26.74, 26.73, 26.72, 26.71, 26.70, 26.69, 26.68, 26.67, 26.66, 26.65, 26.64, 26.63, 26.62, 26.61, 26.60, 26.59, 26.58, 26.57, 26.56, 26.55, 26.54, 26.53, 26.52, 26.51, 26.50, 26.49, 26.48, 26.47, 26.46, 26.45, 26.44, 26.43, 26.42, 26.41, 26.40, 26.39, 26.38, 26.37, 26.36, 26.35, 26.34, 26.33, 26.32, 26.31, 26.30, 26.29, 26.28, 26.27, 26.26, 26.25, 26.24, 26.23, 26.22, 26.21, 26.20, 26.19, 26.18, 26.17, 26.16, 26.15, 26.14, 26.13, 26.12, 26.11, 26.10, 26.09, 26.08, 26.07, 26.06, 26.05, 26.04, 26.03, 26.02, 26.01, 26.00, 25.99, 25.98, 25.97, 25.96, 25.95, 25.94, 25.93, 25.92, 25.91, 25.90, 25.89, 25.88, 25.87, 25.86, 25.85, 25.84, 25.83, 25.82, 25.81, 25.80, 25.79, 25.78, 25.77, 25.76, 25.75, 25.74, 25.73, 25.72, 25.71, 25.70, 25.69, 25.68, 25.67, 25.66, 25.65, 25.64, 25.63, 25.62, 25.61, 25.60, 25.59, 25.58, 25.57, 25.56, 25.55, 25.54, 25.53, 25.52, 25.51, 25.50, 25.49, 25.48, 25.47, 25.46, 25.45, 25.44, 25.43, 25.42, 25.41, 25.40, 25.39, 25.38, 25.37, 25.36, 25.35, 25.34, 25.33, 25.32, 25.31, 25.30, 25.29, 25.28, 25.27, 25.26, 25.25, 25.24, 25.23, 25.22, 25.21, 25.20, 25.19, 25.18, 25.17, 25.16, 25.15, 25.14, 25.13, 25.12, 25.11, 25.10, 25.09, 25.08, 25.07, 25.06, 25.05, 25.04, 25.03, 25.02, 25.01, 25.00, 24.99, 24.98, 24.97, 24.96, 24.95, 24.94, 24.93, 24.92, 24.91, 24.90, 24.89, 24.88, 24.87, 24.86, 24.85, 24.84, 24.83, 24.82, 24.81, 24.80, 24.79, 24.78, 24.77, 24.76, 24.75, 24.74, 24.73, 24.72, 24.71, 24.70, 24.69, 24.68, 24.67, 24.66, 24.65, 24.64, 24.63, 24.62, 24.61, 24.60, 24.59, 24.58, 24.57, 24.56, 24.55, 24.54, 24.53, 24.52, 24.51, 24.50, 24.49, 24.48, 24.47, 24.46, 24.45, 24.44, 24.43, 24.42, 24.41, 24.40, 24.39, 24.38, 24.37, 24.36, 24.35, 24.34, 24.33, 24.32, 24.31, 24.30, 24.29, 24.28, 24.

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.

for the month of August

50°

COLDER

55°

WARMER

Showerers

Thunder + lightning in some places

very dry

IN MOST PLACES

have fallen

60°

COLDER

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



# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.0 in. and upwards, over Ireland & Scotland; relatively high, 29.9 in. and upwards, over Switzerland & Southern Germany.  
Lowest, 29.7 in. and less, over the Baltic; 29.8 in. over the Gulf of Genoa.  
A small shallow depression is lying over the north of France, its centre being near Stenamp.

## TEMPERATURE

Highest, 70° at Lisbon, 66° at Nice, 64° at Biarritz, 60° at Cuxhaven and Lingen, & 59° at Brest, Rochefort and Perpignan.  
Lowest, 46° at Larmonstown, 48° at Lumburg Hied, 50° at Larnarway and Wick & 52° at Haparanda, Naime, Abordoa & Lyons.

## WIND

Light or moderate from N or NE over the greater part of the United Kingdom.  
Variable in the East of France; moderate NW in most other localities.

## WEATHER

Dull over France, the south of England & the north of Scotland, with rain at Jersey, Brest, Biarritz and Lyons.  
Generally fair elsewhere, but with local showers.  
[Showers fell generally yesterday, a thunderstorm occurred at Larnarway and lightning was seen at many of the English stations.]

## SEA

Moderate at Larnarway, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The small depression noticed above will probably continue to travel slowly northeastwards, and rainy weather is therefore likely over all the southeastern parts of England. Too decided change is anticipated elsewhere.

## FORECASTS

for the 24 hours ending at NOON on 21<sup>st</sup> AUGUST

1887.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	N <sup>ly</sup> winds, light or moderate; fair generally, but some showers.
1	SCOTLAND EAST	.....D.....D.....D.....
2	ENGLAND N.E.	N <sup>ly</sup> and NE <sup>ly</sup> winds, moderate; fair to unsettled with some rain.
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>ly</sup> to N <sup>ly</sup> wind, moderate; cloudy, rain at times.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Light breezes, chiefly NE <sup>ly</sup> ; fair generally.
7	ENGLAND N.W.	.....D.....D.....D.....
8	ENGLAND S.W.	N <sup>ly</sup> winds, moderate; cloudy, some showers.
9	IRELAND NORTH	N <sup>ly</sup> and NE <sup>ly</sup> winds, moderate or fresh; fair generally, but some showers.
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 ...	29.82	57	52	NNW 4	bc	3	Holyhead ...	29.97	60	55	NW 3	bc	3
Sumburgh Head ...	29.94	52	50	NNW 2	o	2	Valencia ...	30.03	62	57	NW 2	om	2
Stornoway ...	30.01	50	54	E 4	bcp	4	Scilly ...	30.00	63	58	Z 0	c	2
Aberdeen ...	29.96	50	54	NNE 1	cp	1	Dungeness ...	29.91	61	55	NW 3	c	2
Shields ...	29.94	50	53	NE 2	op	2	London ...	29.91	64	54	WNW 2	c	*
Ardrossan ...	29.95	62	56	NNE 1	o	0	Yarmouth ...	29.90	59	55	NNE 3	p	3
Malin Head ...	29.98	55	54	NNW 2	o	2	Jersey ...	30.00	65	57	WNW 3	bc	3
Mullaghmore ...	30.01	56	52	WNW 2	p	1	Rochefort ...	30.11	68	62	Z 0	o	0
Belmullet ...	30.02	58	53	NE 3	o	*							

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

The reports for yesterday morning showed that pressure was highest, 30.1 ins: and upwards, in an anticyclone lying over the Bay of Biscay and the north of Spain, and lowest, 29.7 ins: and less, over central Russia. The gradients were, however, very irregular, and shallow depressions were apparently lying over central Europe. The wind was chiefly N<sup>3</sup> or NW<sup>3</sup> in direction, and light or moderate in force, but at the Russian stations it was very variable, while over the Netherlands and Northern Italy it was W<sup>3</sup> or SW<sup>3</sup>. The weather was fair on the whole, but rain was falling at several of the German stations, as well as at Christiansund and York. Temperature had fallen a little over Russia, Italy, and Algeria, but elsewhere the changes were slight and irregular; readings ranged from 75° and upwards over Southern Europe to 55° or less at most of the northern stations. The highest individual readings were 87° at Constantinople, 85° at Oren, 82° at Malta, 81° at Rikha, 79° at Safa and Palermo, and 78° at San Fernando and Brindisi, the lowest were 50° at Christiansund and Bannatown, and 52° at Sumburgh Hd., Stornoway, Kairi, York, and Carlruhe.

In the course of the day a somewhat decided fall of the barometer set in in the west of France, and a small depression appeared over the Bay of Biscay. Showers fell very generally, and thunder or lightning was experienced in many 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 Sunday 21<sup>st</sup> AUGUST

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.	Sec. (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 ..	29.66	54	N	2	o	29.49	-.29	56	55	+.14	N	4	r	*	70	50	0.79	
Hernösand ...	29.70	54	Z	0	b	29.65	-.05	55	50	0	N	4	b	*	68	43	—	
Stockholm ...	29.70	55	NW	2	b	29.72	+.00	59	53	+.21	W	2	b	*	64	55	—	
Wishby ...	29.70	60	NW	2	b	29.71	+.04	59	55	+.11	NNW	2	b	*	64	55	—	
Bodö ...	29.77	57	Z	0	b	29.73	-.07	58	53	-.13	Z	0	b	0	61	48	—	
Christiansund...	29.82	51	NW	1	f	29.82	0.00	50	48	-.22	SSW	1	f	2	54	48	—	
Skudesnes ...	29.78	53	NW	6	b	29.80	+.02	54	51	+.03	N	6	c	3	57	32	—	
Christiania Fjord (Færdar)	29.69	60	SSW	2	b	29.75	+.02	55	51	0	NNE	3	b	1	63	54	—	
Skagen (The Scaw)	29.72	54	W	1	b	29.73	+.02	55	53	+.02	WSW	1	c	1	64	52	—	
Fanö ...	29.84	54	NW	4	c	29.84	+.06	54	53	-.01	WSW	1	r	*	61	52	0.04	
BRITISH ISLANDS.																		
Sumburgh Head	29.96	49	N	2	c	30.00	+.05	47	44	-.11	N	1	o	2	53	43	0.01	
Stornoway ...	30.08	51	E	3	o	30.07	+.02	50	46	-.42	Z	0	og	1	57	45	—	
Wick ...	30.03	55	NW	1	o	30.05	+.05	49	46	-.31	NW	1	o	0	56	43	0.01	
Nairn ...	30.04	55	N	2	c	30.07	+.05	50	46	-.42	Z	0	o	1	55	46	—	
Aberdeen...	30.04	55	NNW	4	o	30.05	+.05	50	45	-.50	NNW	3	o	1	57	46	—	
Leith ...	30.01	55	SE	2	b	30.16	+.15	57	50	+.07	S	1	c	*	60	48	—	
Shields ...	30.02	54	N	1	o	30.07	+.08	54	50	-.04	NNE	2	c	3	57	49	—	
Spurn Head ...	30.01	57	N	4	b	30.06	+.12	56	53	-.03	N	3	b	3	61	51	0.01	
York ...	30.02	56	NNE	1	o	30.06	+.09	53	51	-.02	ESE	1	b	*	62	47	—	
Loughborough	30.01	60	N	3	o	30.09	+.16	56	53	+.03	NW	1	c	*	46	49	0.01	
GERMANY.																		
Ardrossan ...	30.02	60	NW	3	b	30.06	+.04	51	48	-.31	Z	0	cm	0	63	42	—	
Malin Head ...	30.07	56	N	3	b	30.07	+.04	54	51	-.03	N	2	o	2	59	52	—	
Mullaghmore ...	30.07	60	NNW	3	b	30.09	+.04	55	52	-.03	ENE	2	b	2	64	45	—	
Belmullet ...	30.00	59	NE	3	b	30.07	+.02	58	54	-.04	S	2	b	*	61	49	—	
Donaghadee ...	30.06	59	NE	3	c	30.10	+.07	55	51	-.04	N	3	b	1	61	52	—	
Barrow-in-Furness	30.01	59	N	2	b	30.06	+.09	55	50	+.05	N	2	c	*	63	52	—	
Liverpool (Bidston)	30.02	60	NNW	1	b	30.09	+.12	58	53	+.05	NNW	2	b	3	63	52	—	
Holyhead ...	30.05	57	N	1	b	30.10	+.12	58	56	+.02	Z	0	bur	0	60	51	—	
Parsonstown ...	30.06	66	Z	0	b	30.11	+.06	55	53	+.02	Z	0	b	*	68	41	—	
Valencia ...	30.08	62	WSW	1	b	30.08	+.03	60	56	+.04	SE	3	om	3	67	49	—	
Roche's Point...	30.08	63	SE	1	b	30.12	+.13	57	55	+.02	Z	0	b	0	66	49	—	
Pembroke ...	30.03	59	? E	4	b	30.13	+.20	54	54	0.00	NE	1	f	1	64	51	—	
Scilly ...	30.01	60	NNE	4	b	30.10	+.19	63	59	+.04	ESE	1	b	2	63	56	—	
Prawle Point ...	29.98	63	N	3	b	30.14	+.27	60	57	+.07	ENE	2	b	2	67	48	—	
Jersey ...	29.94	61	NNE	2	b	30.13	+.29	66	58	+.02	Z	0	b	0	66	51	0.03	
Hurst Castle ...	29.95	57	NE	3	m	30.12	+.23	55	52	-.03	NE	1	c	2	65	46	0.10	
Dungeness ...	29.88	62	ENE	4	c	30.08	+.27	52	50	-.02	N	3	o	2	66	46	—	
London ...	29.97	58	ENE	2	op	30.10	+.23	57	54	+.03	NW	1	c	*	63	45	0.11	
Oxford ...	30.04	55	N	1	b	30.11	+.22	54	51	+.03	Z	0	b	*	63	47	—	
Cambridge ...	30.02	54	NE	1	b	30.09	+.20	57	54	+.03	W	1	b	*	62	45	0.18	
Yarmouth ...	29.96	59	NNE	3	cm	30.05	+.17	54	52	-.02	NW	3	b	3	61	47	—	
Cuxhaven ...	29.88	56	NNW	3	c	29.90	+.05	59	55	-.04	NW	3	c	*	59	56	—	
Berlin ...	29.82	59	WNW	1	c	29.88	+.07	59	55	+.04	NW	1	o	*	70	52	0.08	
Wiesbaden ...	29.82	54	E	3	o	29.89	+.01	59	53	+.06	N	4	b	*	68	52	—	
Munich ...	29.82	54	E	3	o	29.82	-.12	50	50	0.00	NW	2	o	*	61	48	0.16	
FRANCE & NETHERLANDS.																		
The Helder ...	29.92	58	N	3	c	29.97	+.10	58	53	+.05	NNW	3	c	3	61	53	—	
Brussels ...	29.87	60	NE	5	b	29.99	+.10	57	52	-.05	WNW	1	c	*	64	50	—	
Cape Gris Nez...	29.87	56	NW	1	o	30.07	+.24	57	53	-.04	NNE	5	b	4	64	52	—	
Paris ...	29.87	56	NW	1	o	30.07	+.24	57	53	-.04	NNW	3	b	*	64	50	0.04	
Brest ...	29.99	60	N	5	b	30.13	+.25	57	54	+.03	NE	1	b	2	72	50	—	
Lorient ...	29.93	61	NE	5	b	30.17	+.31	52	50	-.02	NNE	3	b	2	63	50	—	
Rochefort ...	29.94	60	NW	7	b	30.16	+.31	56	55	-.01	NE	4	b	2	68	54	—	
Belfort ...	29.94	60	NW	7	b	30.16	+.31	56	55	-.01	NE	4	b	2	68	54	—	
Lyons ...	29.73	59	SW	1	c	29.95	+.03	53	50	+.03	NW	5	o	*	62	49	0.62	
Nice ...	29.75	63	W	1	b	29.64	-.16	62	54	-.08	W	3	b	4	75	50	—	
Perpignan ...	29.85	67	NW	3	r	30.00	+.11	61	53	+.08	NW	5	b	*	81	57	0.04	
Biarritz ...	29.93	66	? NW	7	r	30.09	+.19	60	57	+.09	SSE	3	o	2	68	57	0.16	
Corunna ...	29.91	68	NNW	7	b	30.06	+.04	67	63	+.04	NE	1	b	4	93	57	—	
Lisbon ...	29.91	68	NNW	7	b	29.91	-.02	68	62	-.06	Z	0	b	2	82	64	—	

For Explanation of Columns, see p. 1.



# WEATHER

# CHARTS

for 8 a.m. on

Sunday 21<sup>st</sup> August

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

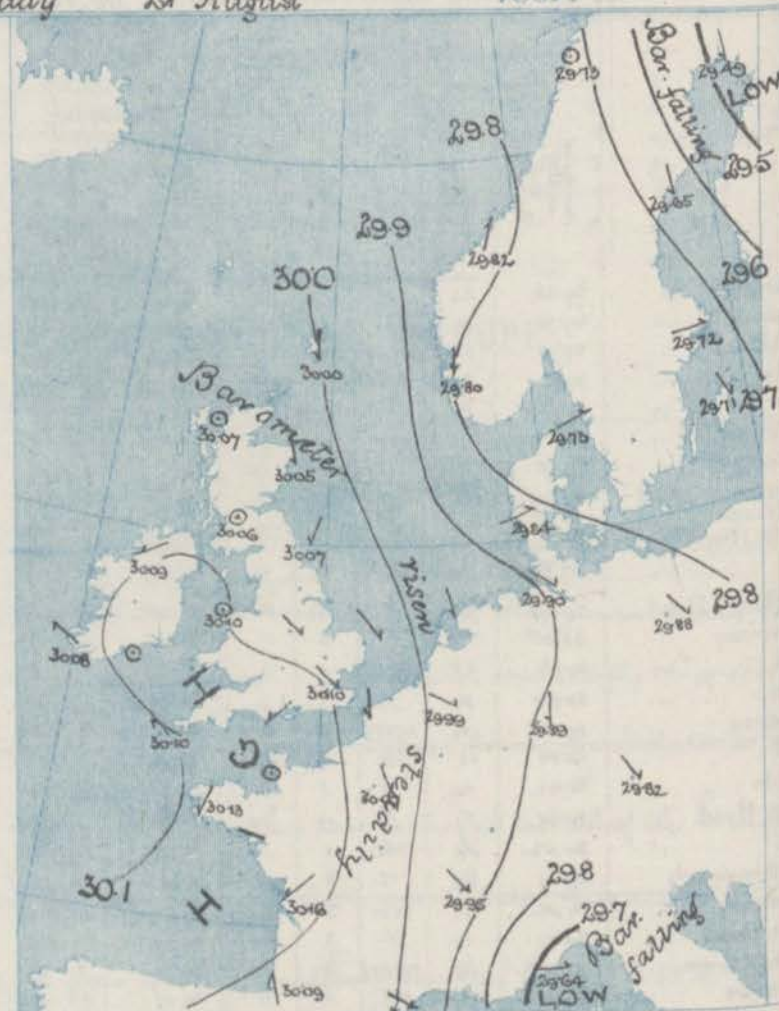
■ — Rough. ■ — High.

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of August

During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head.	29.806
Stornoway	29.800
Wick	29.822
Nairn	29.829
Aberdeen	29.835
Leith	29.852
Shields	29.876
York	29.905
Ardrossan	29.856
Donaghadee	29.868
Holyhead	29.893
Liverpool	29.898
Valencia	29.908
Roche's Point	29.908
Pembroke	29.910
Scilly	29.951
Hurst Castle	29.949
Dover	29.945
LONDON	29.913
Oxford	29.929
Cambridge	29.929
Yarmouth	29.928



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

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

**Weather** — is shown by Letters of the Beaufort Scale.

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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	58.3	48.8	54.1	52.4	2.21
Stornoway	58.5	49.2	55.8	53.9	3.57
Wick	61.3	48.7	55.6	53.6	2.35
Nairn	63.6	50.6	56.0	53.1	2.81
Aberdeen	63.0	50.7	56.8	53.9	3.13
Leith	66.3	52.2	58.1	55.2	2.62
Shields	63.7	53.2	58.0	55.3	2.81
York	68.2	51.8	58.7	56.0	2.47
Ardrossan	62.7	54.0	57.8	55.0	4.08
Donaghadee	61.2	52.6	57.3	55.9	2.90
Holyhead	65.2	55.7	58.9	56.9	2.89
Liverpool	66.3	54.7	59.2	56.1	2.79
Valencia	65.4	54.7	59.8	57.1	4.65
Roche's Point	67.5	54.7	59.4	56.8	3.59
Pembroke	64.4	56.4	60.4	57.1	2.91
Scilly	65.4	57.8	61.3	59.3	2.45
Hurst Castle	67.9	56.8	61.7	59.8	2.81
Dover	67.3	58.2	63.3	59.6	2.06
LONDON	72.3	54.2	61.9	58.5	2.20
Oxford	69.6	53.9	60.8	57.3	2.34
Cambridge	71.9	53.8	60.7	57.9	2.25
Yarmouth	68.9	55.7	61.4	58.5	2.17

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 an anticyclone lying over the west coast of our Islands and France. Lowest, 29.5 ins: and less, in the north of Sweden; relatively low 29.7 ins: and less, over the Gulf of Genoa.
TEMPERATURE	{ Highest, 68° at Lisbon, 66° at Jersey, 63° at Kelly, 62° at Nice, 61° at Perpignan, and 60° at Valencia, Howe Point and Bahrity. Lowest, 47° at Dunburgh 11 <sup>th</sup> , 49° at Wick, and 50° at Christiansund, Tromsø, Naism and Aberdeen.
WIND	{ Light from E or SE. on our extreme southwest coast, NE over the Channel and Bay of Biscay. N or NW elsewhere, light or moderate in force generally.
WEATHER	{ Fine generally, but dull in the north of Scotland, and rainy at Haparanda. [Showers fell yesterday at some of our southern and southeastern stations.]
SEA	{ Moderate at Cfin. Key, but slight or smooth elsewhere.



### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed over the north of France yesterday has since moved eastwards and dispersed, and an anticyclone has advanced over our western coast. At Valencia, however, the barometer is reported to have fallen slowly and unsteadily since midnight.

## FORECASTS

For the 24 hours ending at NOON on 22<sup>nd</sup> Aug<sup>r</sup> 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	NONE ISSUED	6 { SCOTLAND WEST	NONE ISSUED
1 { SCOTLAND EAST		7 { ENGLAND N. W.	
2 { ENGLAND N. E.		8 { ENGLAND S. W.	
3 { ENGLAND EAST		9 { IRELAND NORTH	
4 { MIDLAND COUNTIES		10 { IRELAND SOUTH	
5 { ENGLAND SOUTH			
		WARNINGS	

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 ...	29.50	57	51	NW	4	b	3	Holyhead ...	30.04	59	54	N	2	b	2
Sumpburgh Head ...	29.96	52	47	N	2	c	3	Valencia ...	30.06	64	59	NW	2	b	2
Stornoway ...	30.07	52	52	E	3	b	3	Scilly ...	29.98	61	58	N	5	b	4
Aberdeen ...	30.02	57	52	NNW	3	c	1	Dungeness ...	29.80	65	57	E	4	c	3
Shields ...	30.02	57	52	NNE	2	c	2	London ...	29.92	61	51	NE	2	c	
Ardrossan ...	30.03	59	54	NNW	1	b	1	Yarmouth ...	29.94	59	55	NE	4	c	4
Malin Head ...	30.07	58	55	NE	3	b	2	Jersey ...	29.90	63	55	N	3	c	3
Mullaghmore ...	30.06	62	57	NW	4	b	2	Rocheport ...	29.88	61	58	NW	7	r	2
Belmullet ...	30.10	60	54	NE	3	c	.								

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

The reports for yesterday morning showed that pressure was highest 30.0 ins. and upwards over Ireland and Scotland and relatively high 29.9 ins. and upwards over Switzerland and South Germany. The lowest readings 29.5 ins. and less, were reported in a large depression lying over Western Russia, but a small shallow disturbance was also lying over the north of France. The wind was N<sup>3</sup> or NE<sup>3</sup> in our Islands, and calm or light and variable over Southern Europe, but elsewhere it was chiefly NW<sup>3</sup>. Rain was falling at several of the French stations as well as at Haparanda, but in most other localities the weather was fair or fine. Temperature had risen a little over Germany and the northern parts of England and Ireland but fallen elsewhere; readings ranged from 75° and upwards at several of the Spanish, Algerian and Italian stations, to 50° and less over the northern parts of the British Isles. The highest individual readings were 84° at Sfax, 81° at Oran, 81° at Malta, 79° at Biskra and Palma; the lowest were 46° at Paronstown, 48° at Lumburgh 11<sup>h</sup>, 50° at Stornoway and Wick, and 52° at Haparanda, Kaini, Aberdeen and Lyons.

In the course of the day the small depression over the north of France moved eastward and dispersed, while the anticyclone over our W. coasts extended more directly over the United Kingdom. The weather remained rather showery in the south-east, but was fine elsewhere.

### 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 5 p.m. (Christiania time).

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# DAILY WEATHER REPORT.

for Monday 22<sup>nd</sup> August 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 Rain, inches.	
			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 ..	29.47	58	E	2	0	29.48	-0.1	60	59	+1	E	4	0	*	?	52	0.08	
Hernösand ..	29.65	55	NW	4	6	29.75	+1.0	55	48	0	NW	4	6	*	72	46		
Stockholm ..	29.77	57	W	0	0	29.88	+1.1	56	51	-3	NW	2	6	*	68	48		
Wishby ..	29.80	59	WNW	4	6	29.89	+1.8	57	54	-2	W	4	6	*	64	54		
Bodö ..	29.70	53	NW	4	0	29.70	-0.3	51	49	-1	W	4	0	3	55	50		
Christiansund ..	29.87	49	WNW	3	7	29.86	+0.4	50	46	0	SW	2	0	2	54	45	0.12	
Skudesnaes ..	29.93	52	NW	4	0	29.99	+1.9	53	47	-1	WNW	4	0	3	55	52		
Christiania Fjord (Fjord)	29.79	60	WSW	4	6	29.84	+0.9	59	57	+4	W	0	6	2	64	55		
Skagen (The Scaw)	29.83	55	W	0	6	29.88	+1.5	66	54	+1	W	3	6	1	68	50		
Fanö ..	29.96	54	W	4	0	30.03	+1.9	55	50	+1	NW	4	0	*	63	52		
<b>BRITISH ISLANDS.</b>																		
Sumburgh Head	30.01	49	W	0	0	29.95	-0.5	49	45	+2	W	0	0	0	51	44		
Stornoway ..	30.01	52	W	2	0	29.86	-0.2	52	51	+2	SE	3	0	3	55	41		
Wick ..	30.04	56	N	1	0	29.89	-1.6	54	51	+5	SW	2	0	1	55	41	0.01	
Nairn ..	30.03	54	NE	1	6	29.91	-1.6	50	47	0	W	0	6	0	58	44		
Aberdeen ..	30.06	52	SE	2	0	29.96	-0.9	59	54	+9	SW	3	6	1	59	47		
Leith ..	30.05	57	SSE	1	0	29.99	-0.7	54	52	-3	SW	1	6	*	59	42		
Shields ..	30.07	55	E	2	6	30.03	-0.4	58	54	+4	SSW	2	0	2	58	43		
Spurn Head ..	30.08	56	E	2	6	30.09	+0.3	54	53	-2	SSW	2	6	3	60	50		
York ..	30.07	59	E	1	6	30.09	+0.3	48	47	-5	ESE	1	6	*	67	40		
Loughborough	30.08	65	NW	2	6	30.11	+0.2	51	49	-5	ESE	1	6	*	70	39		
Ardrossan ..	30.05	58	WSW	1	6	29.95	-1.1	55	53	+4	S	1	6	1	60	45		
Malin Head ..	29.99	55	ESE	3	6	29.84	-2.3	57	57	+3	S	4	0	3	59	53	0.06	
Mullaghmore ..	29.99	63	ENE	1	0	29.81	-2.8	60	58	+5	S	7	0	5	65	54	0.08	
Belmullet ..	29.99	62	SSW	3	0	29.80	-2.7	60	59	+2	SW	3	0	*	64	58	0.32	
Donaghadee ..	30.06	56	SSW	3	6	29.97	-1.3	59	58	+4	SW	4	0	2	61	54		
Barrow-in-Furness	30.08	59	NW	2	6	30.06	-0.0	58	50	-2	E	4	6	*	61	47		
Liverpool (Bidston)	30.09	60	NW	1	6	30.07	-0.2	59	53	+1	SE	1	6	2	63	48		
Holyhead ..	30.10	59	WNW	1	6	30.03	-0.7	59	57	+1	S	4	0	3	61	55		
Parsonstown ..	30.03	66	SSW	1	0	29.94	-1.7	60	58	+5	SSE	2	6	*	70	53	0.04	
Valencia ..	30.00	62	SSE	5	0	29.91	-1.7	62	60	+2	S	6	0	6	64	58	0.11	
Roche's Point ..	30.06	64	SSW	2	0	29.99	-1.3	63	60	+6	SW	4	6	4	67	56		
Pembroke ..	30.10	62	W	1	6	30.05	-0.8	60	59	+6	SSW	4	6	3	64	53		
Scilly ..	30.11	65	SSW	1	0	30.06	-0.4	65	61	+2	S	3	6	4	67	57		
Prawle Point ..	30.14	60	WNW	1	6	30.11	-0.3	61	59	+1	ESE	2	6	2	63	52		
Jersey ..	30.14	65	NE	1	6	30.10	-0.3	65	58	-1	SE	3	6	3	69	50		
Hurst Castle ..	30.12	62	W	4	0	30.13	+0.1	62	59	+7	WNW	1	6	1	66	49		
Dungeness ..	30.07	62	WSW	4	6	30.11	+0.3	60	55	+8	W	1	6	1	64	49		
London ..	30.08	65	WNW	1	6	30.13	+0.3	58	55	+1	W	1	6	*	69	45		
Oxford ..	30.10	60	WNW	1	6	30.12	+0.1	57	53	+3	W	1	6	*	68	47		
Cambridge ..	30.06	67	NE	1	6	30.12	+0.3	55	53	-2	NE	1	6	*	68	43		
Yarmouth ..	30.09	59	NE	2	6	30.11	+0.6	60	57	+6	SE	1	6	2	61	50		
Cuxhaven ..	29.96	57	NW	3	6	30.07	+1.7	59	55	0	WNW	4	6	*	61	56		
Berlin ..	29.95	60	W	0	0	30.05	+1.7	54	52	-5	NW	2	6	*	66	48		
Wiesbaden ..	*	*	*	*	*	30.15	+2.6	57	52	+5	N	2	6	*	66	52	0.04	
Munich ..	29.97	49	NW	3	0	30.12	+2.0	52	49	+3	NW	4	6	*	54	48	0.04	
<b>FRANCE &amp; NETHERLANDS.</b>																		
The Helder ..	30.05	57	WNW	3	0	30.10	+1.3	56	54	-2	SSW	1	0	1	59	54	0.12	
Brussels ..	*	*	*	*	*	30.14	+1.5	57	53	0	WSW	1	0	*	64	52		
Cape Gris Nez ..	?	59	W	4	6	30.12	+0.5	61	59	+4	WSW	5	6	2	64	55		
Paris ..	30.13	59	N	1	6	30.20	+1.3	48	47	-6	W	1	6	*	68	42		
Brest ..	30.14	64	W	0	6	30.10	-0.3	55	55	-2	E	4	6	2	72	50		
Lorient ..	30.15	61	W	3	6	30.12	-0.5	56	54	+4	SE	3	6	2	66	50		
Rocheport ..	30.15	65	NW	4	6	30.15	-0.1	57	54	+1	E	5	0	2	75	52	0.04	
Belfort ..	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lyons ..	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Nice ..	29.93	64	SE	1	0	29.91	+2.7	71	55	+9	E	1	6	1	77	54		
Perpignan ..	30.02	70	N	4	6	30.06	+0.6	61	55	0	W	1	6	*	74	52		
Biarritz ..	30.07	68	NE	5	6	30.01	-0.8	58	53	-2	ESE	5	6	2	70	52		
Corunna ..	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lisbon ..	29.80	77	SW	5	6	29.87	-0.4	71	60	+3	WSW	1	6	1	?	68		

For Explanation of Columns, see p. 2. † Received too late for insertion in Chart.



# WEATHER CHARTS

for 8 a.m. on

Monday, 22<sup>nd</sup> August.

1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

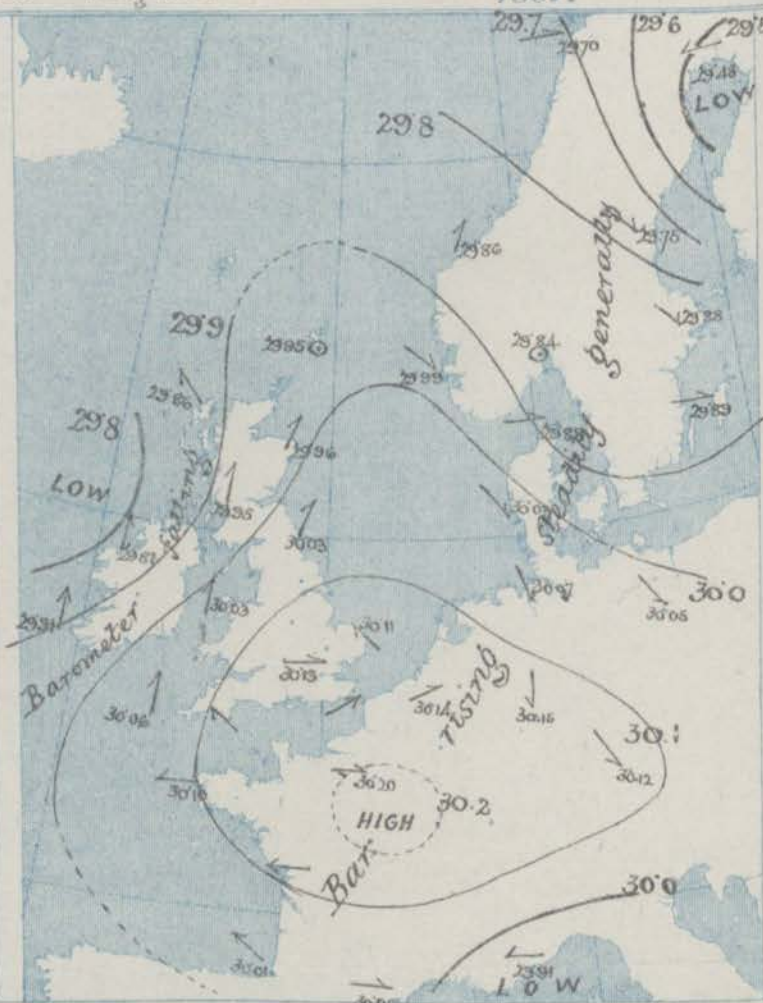
**Barometer**—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind**—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus—  
 — = forces above 10; — = forces 8 to 10;  
 — = forces 5 to 7; — = forces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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.806
Stornoway	29.800
Wick	29.822
Nairn	29.829
Aberdeen	29.835
Leith	29.852
Shields	29.876
York	29.905
Ardrossan	29.856
Donaghadee	29.898
Holyhead	29.893
Liverpool	29.898
Valencia	29.908
Roshe's Point	29.908
Pembroke	29.910
Scilly	29.961
Hurst Castle	29.949
Dover	29.945
LONDON	29.913
Oxford	29.929
Cambridge	29.929
Yarmouth	29.928



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

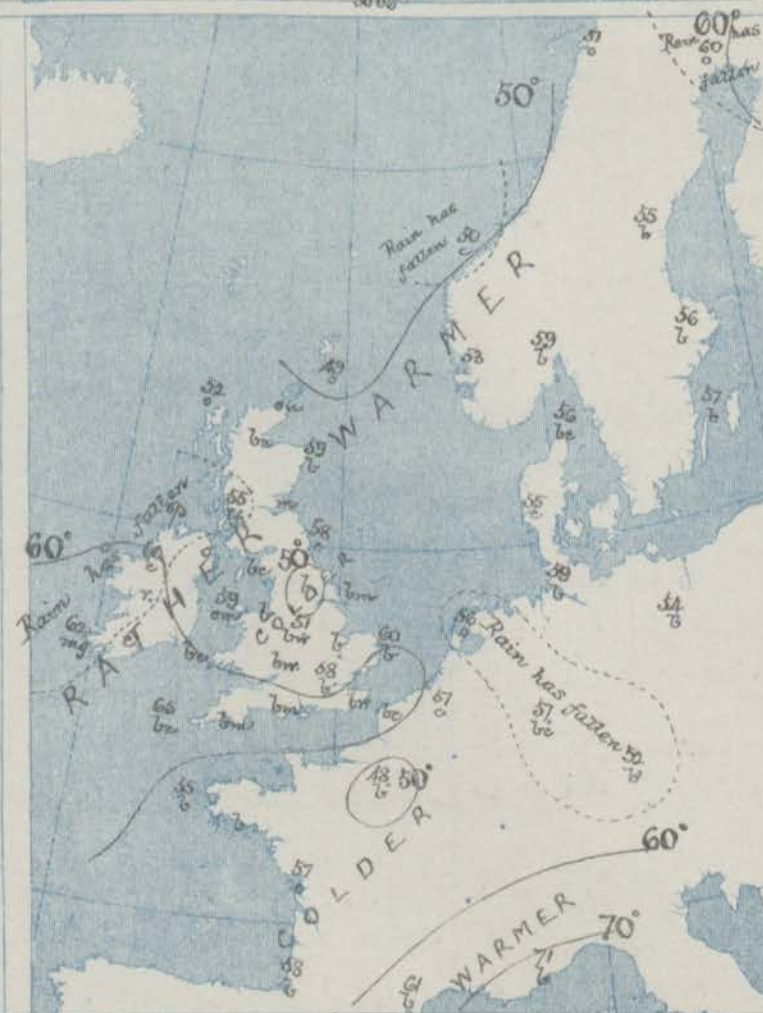
**Temperature**—Isotherms are drawn for each 10° changes since previous morning are stated in words.  
**Weather** is shown by Letters of the Beaufort Scale.  
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August.

STATIONS.	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Day.	Night.	
Sumburgh Head	58.3	48.8	54.1	52.4	3.21
Stornoway	58.5	40.2	55.8	53.9	3.57
Wick	61.3	48.7	55.6	53.6	2.35
Nairn	63.6	50.6	56.0	53.1	2.81
Aberdeen	63.0	50.7	56.8	53.9	3.13
Leith	66.3	52.2	58.1	55.2	2.62
Shields	63.7	53.2	58.0	55.3	2.81
York	68.2	51.8	58.7	56.0	2.47
Ardrossan	62.7	54.0	57.8	55.0	4.08
Donaghadee	61.2	52.6	57.3	55.9	2.99
Holyhead	65.2	55.7	58.9	56.9	2.89
Liverpool	66.3	54.7	59.2	56.1	2.79
Valencia	65.4	54.7	59.8	57.1	4.65
Roche's Point	67.5	54.7	59.4	56.8	3.59
Pembroke	64.4	56.4	59.4	57.1	2.91
Scilly	65.4	57.6	61.3	59.8	2.45
Hurst Castle	67.9	56.8	61.7	59.8	2.31
Dover	67.3	58.2	63.3	59.6	2.06
LONDON	72.3	54.2	61.9	58.5	2.20
Oxford	69.6	53.9	59.8	57.3	2.33
Cambridge	71.9	52.8	60.7	57.9	2.25
Yarmouth	66.9	55.7	61.4	58.5	2.17

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 in. upwards, over Central France; high, 30.1 in. upwards, over the greater part of France, the Southeast of England, and Southern Germany.  
Lowest, 29.5 in. and less, over the northern parts of the Gulf of Bothnia; relatively low, 29.8 in. and less, in a depression lying off the northwest of Ireland.

## TEMPERATURE

Highest, 71° at Nice, 65° at Sully, 63° at Rochin Point, 62° at Helsingør & Hurst Castle & 61° at Bawle Point and Perpignan.  
Lowest, 48° at York & Paris, 49° at Lumburgh Head, 50° at Christiansund & Naïm and 51° at Loughborough.

## WIND

Moderate W. or NW. over Scandinavia, Denmark and Germany.  
Light W. in the Southeast of England; moderate E. over the Bay of Biscay.  
S. on our western and northern coasts; strong in the west of Ireland.

## WEATHER

Fine at all but our western stations, where the sky is very cloudy, with rain at Ardaraun, Malin Head & Portmoneau.  
[A little rain fell yesterday over the Netherlands and Southern Germany.]

## SEA

Rough off the west of Ireland, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the northwest will probably move away in a northeasterly or northerly direction, but with the present distribution of pressure other disturbances are likely to appear in the west shortly. Some extension of the unsettled weather now prevailing in the west, is therefore probable, but our southeastern districts are scarcely likely to be affected within the ensuing 24 hours.

## FORECASTS

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

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	S <sup>3</sup> winds, freshening; dull, some rain.
1	SCOTLAND EAST	S <sup>2</sup> winds, freshening; fair to cloudy & some rain.
2	ENGLAND N.E.	S <sup>4</sup> winds, moderate; fair generally.
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	Same as N° 5.
5	ENGLAND SOUTH	Wind backing to S. or S.E.; fine, warmer.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Same as N° 0.
7	ENGLAND N.W.	Same as N° 1.
8	ENGLAND S.W.	Same as N° 1.
9	IRELAND NORTH	S <sup>4</sup> winds, strong; unsettled, rain at times.
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.
Skudeenæs ...	30.27	55	51	NW 6	0	3	Holyhead ...	30.12	60	57	N 1	m	1
Sumburgh Head ...							Valencia ...						
Stornoway ...	30.05	53	50	Z 0	0	1	Scilly ...						
Aberdeen ...							Dungeness ...	30.09	61	56	NW 4	c	3
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...	30.05	58	54	E 3	6	1	Jersey ...	30.15	69	?	SW 1	6	1
Mullaghmore ...							Rocheport ...	30.16	69	64	NNW 4	6	2
Belmullet ...	30.03	64	57	SW 2	6								

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

The reports for yesterday morning showed that pressure was highest 30.1 ins. and upwards in an anticyclone lying over the coast of our Islands and France, and lowest 29.5 ins. and less, over Northern Russia. A small depression with readings below 29.7 ins. was lying over the Gulf of Genoa. Light variable breezes prevailed over Italy and Algeria, and light SE breezes on our eastern south-east coast, but elsewhere the wind was moderate from NW. or N. The weather was cloudy over Northern and Central Europe, with rain in some places, but fine elsewhere. Temperature had fallen a little in Russia, but elsewhere the changes were slight and irregular; readings ranged from 75° and upwards over Algeria and Southern Italy to 50° or less in the north of the British Isles and the west of Norway. The highest individual readings were 88° at Sfax, 84° at Biskra, 82° at Malta, and 79° at Algiers; the lowest were 47° at Sumburgh, 44° at Kirk, and 50° at Christiansund, Stornoway, Kavi, and Aberdeen. In the course of the day the anticyclone over our western coast moved eastwards, and southerly breezes, with an increase of cloud, set in over Ireland. Elsewhere fine weather continued.

### SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 14<sup>th</sup> TO 20<sup>th</sup> AUGUST, 1887.

In the course of the past week the weather over Western Europe has fallen into a very unsettled state. Temperature has been low for the time of year. Rain has been general, and in some places heavy, and thunderstorms of unusual severity have occurred over England.

During the 14<sup>th</sup> and 15<sup>th</sup> an area of high pressure moved steadily across our Islands in an easterly direction, and moderate N<sup>th</sup> winds therefore gave place to light variable breezes, chiefly W<sup>th</sup> in the north, and E<sup>th</sup> in the south. The weather was fine in most districts, but the thermometer was, if anything, a little below the average. As the anticyclonic system receded eastwards, the weather entirely broke up, and three depressions appeared in the neighbourhood of our Islands.

The first advanced from the Bay of Biscay to the north of France on the night of the 15<sup>th</sup>, and subsequently moved away to the Netherlands and North Germany where it apparently dispersed. As it skirted our SW. and S. coasts heavy rain was experienced in many parts of England and France.

The second formed over our western coast on the evening of the 16<sup>th</sup>, and subsequently travelled slowly due E. its centre reaching Germany on the 18<sup>th</sup>. In the rear of the system the wind, which had previously been somewhat variable shifted to the N<sup>th</sup> generally. As the disturbance passed across England very severe thunderstorms with heavy rain were experienced in most places. The storm which occurred in London on the evening of the 17<sup>th</sup> was exceptionally violent, at Brixton the accompanying rainfall amounted to as much as 2 ins.

The third depression advanced over the Bay of Biscay and France on the night of the 19<sup>th</sup> and subsequently moved eastwards to the Netherlands and dispersed. Its progress was attended by a shift of wind to NE. on our south and south-east coasts, with showers in most places.

In addition to the thunderstorms noticed above lightning was seen over the greater part of England on the night of the 18<sup>th</sup> and 19<sup>th</sup>. The maximum temperatures have been unusually below 70° at all but our extreme southern station, and in the north the thermometer has frequently failed to reach 60°.

#### 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 Tuesday 23<sup>rd</sup> August

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	29.53	55	W	0	0	29.73	+0.25	51	47	- 9	WNW	4	b	*	61	?	0.20
Hernösand	29.85	51	W	0	0	29.98	+0.23	49	48	- 6	W	0	r	*	66	48	0.04
Stockholm	29.93	58	SW	2	0	30.01	+0.13	56	51	0	SW	4	c	*	68	48	-
Wishby	29.96	57	S	4	0	30.04	+0.18	57	53	0	W	4	b	*	66	55	-
Bodö	29.73	49	WNW	4	0	29.73	+0.03	47	44	- 4	SSW	4	0	2	53	43	-
Christiansund	29.69	48	WNW	5	r	29.87	+0.01	48	47	- 2	SW	3	r	2	53	46	0.85
Skudesnaes	29.99	53	WNW	4	0	29.85	- 0.14	55	54	+ 2	SSE	6	0	4	59	52	-
Christiania Fjord (Fjord)	29.83	59	S	4	bc	29.90	+0.06	58	51	- 1	WNW	2	bc	4	61	55	-
Skagen (The Scaw)	29.93	53	W	5	bc	29.97	+0.09	58	55	+ 2	WNW	5	0	3	59	52	-
Faro	30.10	56	W	4	0	30.09	+0.06	57	55	+ 2	WNW	4	c	*	61	54	-
BRITISH ISLANDS.																	
Sumburgh Head	29.85	51	E	1	r	29.81	- 0.14	51	51	+ 2	NE	2	0	3	55	47	0.11
Stornoway	29.68	48	SE	3	r	29.86	- 0.00	56	55	+ 4	E	3	0	3	58	51	0.42
Wick	29.75	55	SSW	1	r	29.84	- 0.05	58	52	+ 4	W	3	0	2	59	52	0.17
Nairn	29.76	61	SW	2	c	29.86	- 0.05	60	55	+ 10	SW	2	c	2	62	48	0.03
Aberdeen	29.85	56	SSW	3	c	29.89	- 0.07	62	57	+ 3	W	2	b	0	62	50	0.04
Leith	29.87	58	SW	1	r	29.93	- 0.06	59	58	+ 5	W	1	om	*	64	53	0.13
Shields	29.97	63	SW	3	0	29.96	- 0.07	67	62	+ 9	WSW	3	c	2	67	56	-
Spurn Head	30.03	61	SE	4	bc	30.06	- 0.03	62	59	+ 8	SSW	2	bm	2	63	52	-
York	30.01	65	W	1	0	30.05	- 0.04	58	55	+ 10	SSW	2	b	*	73	46	-
Loughborough	30.03	71	SW	2	c	30.08	- 0.03	61	57	+ 10	E	1	c	*	74	48	-
GERMANY.																	
Ardrossan	29.87	58	SSW	5	0	29.95	- 0.00	58	57	+ 3	SW	2	0	1	58	?	0.11
Malin Head	29.82	61	W	3	b	29.90	+0.06	61	60	+ 4	SSW	3	om	5	65	56	0.05
Mullaghmore	29.86	60	W	0	r	29.91	+0.10	61	58	+ 1	SSE	3	c	2	67	58	0.11
Belmullet	29.84	62	SSW	3	0	29.87	+0.07	61	58	+ 1	S	2	c	*	64	58	0.07
Donaghadee	29.90	60	SW	3	0	29.98	+0.01	60	58	+ 1	SW	3	0	1	61	56	0.08
FRANCE & NETHERLANDS.																	
Barrow-in-Furness	30.00	62	SW	3	c	30.03	- 0.03	61	59	+ 8	SSW	4	bc	*	64	53	-
Liverpool (Bidston)	30.01	65	SW	2	bc	30.05	- 0.02	62	57	+ 3	SE	1	bc	2	68	52	-
Holyhead	30.00	60	SSW	4	c	30.03	- 0.00	60	59	+ 1	SSW	2	cum	2	64	57	-
Parsonstown	29.93	66	SSW	1	0	29.96	+0.02	62	59	+ 2	SSE	2	0	*	68	56	0.03
Valencia	29.91	63	SSE	5	c	29.90	- 0.01	62	60	0	SSE	5	em	5	65	59	0.04
Roche's Point	29.99	64	SSW	3	bc	29.95	- 0.04	64	60	+ 1	S	4	b	4	68	60	-
Pembroke	30.03	62	SSW	3	bc	30.04	- 0.01	60	59	0	SE	2	cw	3	64	57	-
Scilly	30.03	63	SSE	3	c	29.99	- 0.07	63	60	- 2	SSE	4	cw	4	69	58	-
Prawle Point	30.08	60	SSE	1	b	30.07	- 0.04	63	60	+ 2	E	2	om	2	67	53	-
Jersey	30.09	69	SE	1	b	30.06	- 0.04	65	58	0	SSE	3	bm	3	70	53	-
Hurst Castle	30.10	64	SSW	2	b	30.09	- 0.04	62	59	0	E/NE	1	bm	2	69	49	-
Dungeness	30.10	63	W	3	b	30.09	- 0.02	62	58	+ 2	W	0	m	0	68	44	-
London	30.08	67	SW	2	b	30.11	- 0.02	62	57	+ 4	W	0	bm	*	75	45	-
Oxford	30.07	62	SW	3	b	30.10	- 0.02	58	58	+ 1	W	0	bm	*	72	49	-
Cambridge	30.07	65	W	1	b	30.10	- 0.02	59	55	+ 4	SW	1	b	*	76	47	-
Yarmouth	30.07	63	SSE	3	bc	30.09	- 0.02	62	57	+ 2	WNW	1	b	2	65	52	-
Cuxhaven	30.11	58	NW	2	b	30.13	+0.06	58	56	- 1	SW	1	b	*	59	57	-
Berlin	30.10	60	NW	2	b	30.17	+0.12	58	54	+ 4	W	1	c	*	64	48	-
Wiesbaden	*	*	*	*	*	30.21	+0.06	52	49	- 5	NW	1	b	*	66	45	-
Munich	30.21	53	NW	1	c	30.21	+0.09	52	49	0	E	2	b	*	59	41	-
PORTUGAL.																	
The Helder	30.12	57	W	1	b	30.10	- 0.00	58	55	+ 2	SSW	3	bc	2	63	48	-
Brussels	*	*	*	*	*	30.13	- 0.01	60	55	+ 3	N/NE	1	b	*	69	51	-
Cape Gris Nez	30.10	63	SW	1	b	30.12	- 0.00	62	59	+ 1	W	0	m	0	68	55	-
Paris	30.13	63	SE	1	b	30.13	- 0.07	52	50	+ 4	N/NE	1	b	*	71	45	-
Brest	30.07	62	W	0	b	30.04	- 0.06	59	55	+ 4	E	4	b	2	72	50	-
Lorient	30.06	65	W	0	b	30.03	- 0.09	56	52	0	E	3	bc	2	70	54	-
Roche fort	30.05	69	E	5	b	30.02	- 0.13	55	54	- 2	E	4	b	2	79	50	-
Belfort	30.10	60	E	1	b	30.12	- 0.02	58	53	-	E	1	b	*	68	?	-
Lyons	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nice	30.01	65	W	0	b	30.04	+0.13	68	61	- 3	W	0	b	1	77	59	-
Perpignan	29.98	68	E	1	0	30.04	- 0.02	63	60	+ 2	W	0	0	*	78	54	-
Biarritz	29.90	75	W	1	b	29.93	- 0.08	66	63	+ 8	W	0	b	1	79	63	-
Corunna	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lisbon	29.87	76	NW	4	b	29.93	+0.06	71	62	0	NE	1	b	2	82	68	-

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Tuesday, 23<sup>rd</sup> August 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 August.  
 During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.806
Stornoway	29.800
Wick	29.822
Nairn	29.829
Aberdeen	29.835
Leith	29.852
Shields	29.879
York	29.905
Ardrossan	29.856
Donaghadee	29.868
Holyhead	29.893
Liverpool	29.898
Valencia	29.908
Roche's Point	29.908
Pembroke	29.910
Scilly	29.951
Hurst Castle	29.949
Dover	29.945
LONDON	29.913
Oxford	29.929
Cambridge	29.929
Yarmouth	29.928



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

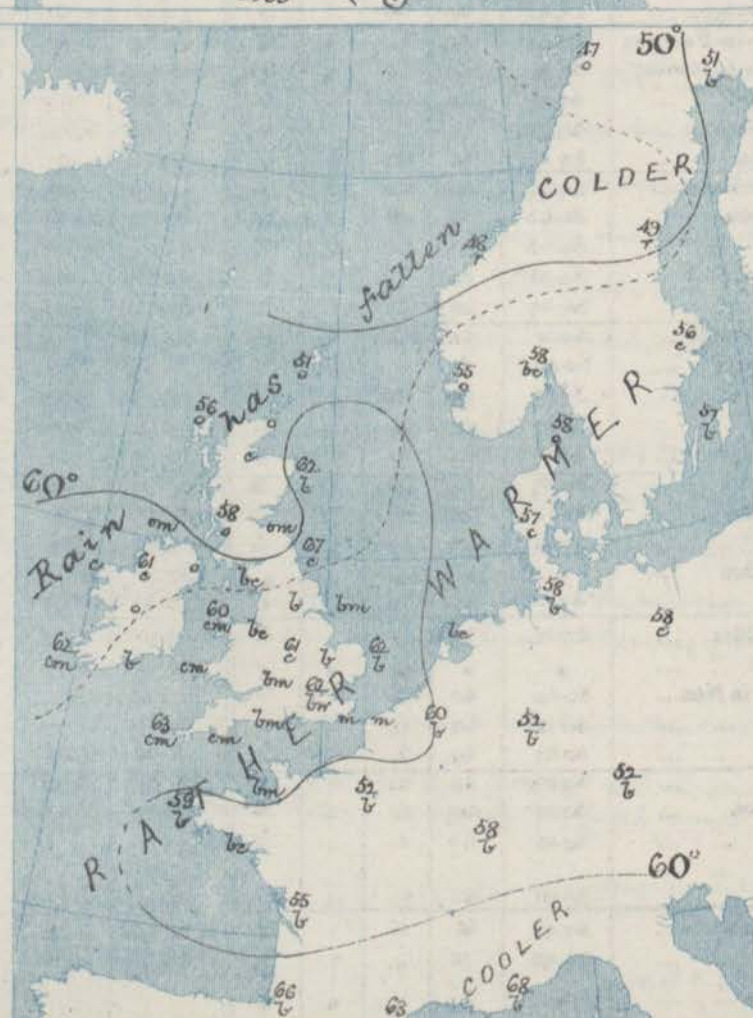
**Temperature** — Isotherms are drawn for each 10° changes since previous morning are stated in words.  
**Weather** — is shown by Letters of the Beaufort Scale.  
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more,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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August.

STATIONS.	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	Average.	Wind.	
Sumburgh Head	58.3	48.8	54.1	52.4	3.21
Stornoway	58.5	49.2	55.8	53.9	3.57
Wick	61.3	48.7	55.6	53.6	2.35
Nairn	63.6	50.6	56.0	53.1	2.81
Aberdeen	63.0	50.7	56.8	53.9	3.13
Leith	66.3	52.2	58.1	55.2	2.62
Shields	63.7	53.2	58.0	55.3	2.81
York	68.2	51.8	58.7	56.0	2.47
Ardrossan	62.7	54.0	57.8	55.0	4.08
Donaghadee	61.2	52.0	57.3	55.9	2.99
Holyhead	65.2	55.7	58.9	56.9	2.89
Liverpool	66.3	54.7	59.2	56.1	2.79
Valencia	65.4	54.7	59.8	57.1	4.65
Roche's Point	67.5	54.7	59.4	56.8	3.59
Pembroke	64.4	53.4	59.4	57.1	2.91
Scilly	65.4	57.8	61.3	59.3	2.45
Hurst Castle	67.9	56.8	61.7	59.8	2.31
Dover	67.3	58.2	63.3	59.6	2.06
LONDON	72.3	54.2	61.9	58.5	2.20
Oxford	69.6	53.9	59.8	57.3	2.33
Cambridge	71.9	52.8	60.7	57.9	2.25
Yarmouth	66.9	56.7	61.4	58.5	2.17

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 in. and upwards, in an anticyclone, the central portion of which lies over Germany: high 30.1 in. and upwards over the Netherlands, the east of France, and the southeast of England.  
Lowest, 29.8 in. and less, over the north of Scandinavia, and also in a small depression lying a little to the E. of the Shetlands.

## TEMPERATURE

Highest, 71° at Dublin, 68° at Nice, 67° at Shields, 66° at Biarritz, and 65° at Jersey.  
Lowest, 47° at Bodo, 48° at Christiansund, 49° at Harward, and 51° at Haparanda and Luleå.  
During yesterday the thermometer rose to 75° in London and 76° at Greenwich.

## WIND

Light or moderate from the E. over the Channel and Bay of Biscay.  
Moderate or fresh from S.E. or S. on our western coast.  
Light or moderate from the W. over our eastern coast and the eastern shore of the North Sea.

## WEATHER

Dull over the northern parts of Scotland and Scandinavia, with rain at Harward and Christiansund.  
Fair or fine in all other localities.  
[Rain fell yesterday at all the Irish and Scotch stations.]

## SEA

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

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday off the northwest of Ireland has apparently moved in a northeasterly direction to the neighbourhood of the Shetlands, but a new fall of the barometer is reported at our extreme southwestern stations, so that a fresh disturbance is probably advancing from the Atlantic.

No very important change in the weather is likely at present. The new depression which is approaching our southwest coast will probably occasion freshening S. winds and rain at several of our western and northern stations, but in the east the weather is likely to remain fine and warm.

## FORECASTS

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

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	E. or S.E. winds, moderate; dull, some rain.
1	SCOTLAND EAST	W. to S.W. winds, moderate; cloudy, some rain.
2	ENGLAND N.E.	S.W. and S. winds, light; fair generally.
3	ENGLAND EAST	Same as N. 5.
4	MIDLAND COUNTIES	Same as N. 5.
5	ENGLAND SOUTH	Variable or B. winds; fine, warm.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	SW. and S. winds, moderate; dull, some rain.
7	ENGLAND N.W.	S.W. and S. winds, moderate or fresh; fair to dull and some rain.
8	ENGLAND S.W.	D. . . . . D. . . . . D. . . . .
9	IRELAND NORTH	SW. and S. winds, moderate to strong; cloudy, 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.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.	
Skudesnaes ...	29.99	59	53	W 1/4 W 1/4	h	0	3	Holyhead ...	30.03	60	59	SEW 5	c q/m	4
Sumburgh Head ...	29.92	51	47	L	0	0	0	Valencia ...	29.94	64	60	S 6	o m	5
Stornoway ...	29.76	54	54	SE	3	1	3	Scilly ...	30.05	68	64	S 2	bc	4
Aberdeen ...	29.92	58	55	S	4	1	1	Dungeness ...	30.11	67	60	W 4	b	3
Shields ...	29.99	66	60	SW	3	c	2	London ...	30.11	74	61	S 3	bc	*
Ardrossan ...	29.90	57	51	S	4	1	3	Yarmouth ...	30.10	64	60	SSE 4	b	3
Malin Head ...	29.75	63	61	W	3	b	5	Jersey ...	30.13	69	62	SE 2	b	2
Mullaghmore ...	29.85	64	61	W	4	bc	2	Rocheport ...	30.10	76	51	E 5	b	2
Belmullet ...	29.86	64	58	W 1/4 W 1/4	3	b	*							

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

The reports for yesterday morning showed that a large anticyclone was lying over France and the southern parts of England and Germany, the highest readings of all (30.2 ins. and upwards) being found in the neighbourhood of Paris. The lowest readings were reported in a depression which lay over Lapland, but another disturbance, with readings below 29.8 ins. existed to the northward of Ireland. Light or moderate E. breezes prevailed over the greater part of France and Southern Europe, but on the west coast of our Islands the wind was fresh or strong from the S<sup>nd</sup>, while in Scandinavia, Denmark, Germany and Northern Russia it was moderate from W. or NW. Fine weather prevailed over the greater part of Europe, but rain was falling at some of the Irish stations, as well as in Northern Russia and at Tunis. Temperature has risen a little over the British Islands and their immediate neighbourhood, but elsewhere the changes were slight and irregular, readings ranged from 75° and upwards at several of the Spanish, Italian and Algerian stations to 55° or less over the west of Norway and the north of Scotland. The highest individual readings were 86° at Malta, 84° at Biskra, 80° at Khindisi, 78° at Oran and San Fernando, and 77° at Casablanca, Sfax, and Palermo; the lowest were 48° at York and Paris, 49° at Sumburgh H<sup>d</sup>, 50° at Christiania and Nain, and 51° at Loughborough.

In the course of the day the depression to the northward of our Islands travelled north-eastwards, and rainy weather extended from Ireland to Scotland. Over England, however, conditions remained fine and warm.

### 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 24<sup>th</sup> AUGUST 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.
			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 ...	29.88	52	S	2	0		29.88	+ .09	55	54	+ 4	S	2	0	*		59	45	0.04
Hernösand ...	29.89	52	NE	2	0		29.86	- .12	53	50	+ 4	N	4	0	*		55	43	0.39
Stockholm ...	29.97	55	S	2	0		29.96	- .05	60	55	+ 4	WSW	2	0	*		64	50	-
Wistby ...	30.03	56	SSW	2	0		30.00	- .04	60	56	+ 3	WSW	2	0	*		63	54	-
Bodo ...	29.78	46	Z	0	0		29.76	+ .03	49	48	+ 2	SW	4	0	3		66	39	0.59
Christiansund ...	29.90	48	WNW	3	0		30.04	+ .17	48	45	0	W	6	0	3		52	45	0.08
Skudesnaes ...	29.91	53	WSW	2	0		30.02	+ .17	52	49	- 3	NNW	6	0	3		59	45	-
Christiana Fjord (Parsier) ...	29.87	59	SSW	5	0		29.95	+ .05	57	55	- 1	NNW	3	0	2		59	54	-
Skagen (The Sound) ...	29.86	59	SW	2	0		29.96	- .01	58	56	0	W	3	0	3		64	54	-
Faro ...	30.05	59	SW	2	0		30.06	- .03	60	60	+ 3	WSW	2	0	*		64	57	-
BRITISH ISLANDS.																			
Sumburgh Head ...	29.98	49	Z	0	0		30.03	+ .22	50	48	- 1	SE	2	0	2		55	45	-
Stornoway ...	29.92	50	SW	3	0		29.89	+ .03	57	57	+ 1	SW	3	0	3		59	53	0.05
Wick ...	29.97	54	E	2	0		29.98	+ .14	54	53	- 4	S	3	0	3		58	51	0.01
Nairn ...	29.96	58	ENE	1	0		29.96	+ .10	57	55	- 3	Z	0	0	1		71	54	-
Aberdeen ...	29.97	57	NE	3	0		30.02	+ .13	55	55	- 7	ESE	1	0	0		73	52	0.02
Leith ...	29.97	66	W	1	0		30.00	+ .07	54	54	- 5	E	1	0	0		73	50	-
Shields ...	30.02	66	W	1	0		30.02	+ .06	53	57	- 14	Z	0	0	2		73	50	-
Spurn Head ...	30.03	63	SSW	2	0		30.03	- .03	60	60	0	SE	3	0	2		71	56	-
York ...	30.03	68	WSW	1	0		30.03	- .02	55	54	- 3	SE	1	0	*		72	47	-
Loughborough ...	30.04	72	WSW	2	0		30.03	- .05	53	51	- 8	Z	0	0	0		78	46	-
Ardrossan ...	29.97	60	SSW	1	0		29.96	+ .01	58	54	0	E	1	0	0		64	51	0.01
Malin Head ...	29.88	66	S	3	0		29.86	- .04	59	57	- 2	S	3	0	0		69	54	-
Mullaghmore ...	29.89	68	SSE	2	0		29.84	- .07	61	55	0	SE	5	0	2		68	59	0.02
Belmullet ...	29.86	64	SSW	2	0		29.78	- .09	61	57	0	SSE	4	0	*		68	59	-
Donaghadee ...	29.98	64	SW	3	0		29.95	- .03	59	57	- 1	SSW	3	0	1		70	55	-
Barrow-in-Furness ...	30.02	64	NW	2	0		29.98	- .05	60	55	- 1	E	1	0	*		66	55	-
Liverpool (Bidston) ...	30.03	66	N	1	0		29.99	- .06	64	56	+ 2	SE	1	0	2		72	55	-
Holyhead ...	30.02	64	SW	2	0		29.96	- .07	67	58	+ 7	SSE	1	0	1		71	56	-
Parsonstown ...	29.93	67	S	2	0		29.87	- .09	60	57	- 2	SE	3	0	*		72	54	-
Valencia ...	29.87	62	SSE	6	0		29.78	- .12	63	61	+ 1	SSE	6	0	0		65	60	0.12
Roche's Point ...	29.95	66	SSE	4	0		29.87	- .08	64	62	0	SSE	4	0	4		71	60	-
Pembroke ...	30.00	63	S	1	0		29.94	- .10	61	60	+ 1	SE	3	0	2		66	55	-
Scilly ...	29.97	62	SE	4	0		29.90	- .09	63	61	0	SE	4	0	4		68	57	-
Prawle Point ...	30.03	61	ESE	3	0		29.96	- .11	66	62	+ 3	E	3	0	2		69	55	-
Jersey ...	30.01	71	ENE	1	0		29.96	- .10	70	61	+ 5	E	1	0	1		74	54	-
Hurst Castle ...	30.09	64	ESE	1	0		30.00	- .09	68	64	+ 6	E	1	0	1		72	54	-
Dungeness ...	30.04	65	ESE	1	0		29.99	- .10	65	60	+ 3	ESE	2	0	2		71	59	-
London ...	30.05	69	Z	0	0		30.03	- .08	64	57	+ 2	E	1	0	0		76	55	-
Oxford ...	30.05	62	SW	1	0		30.02	- .08	58	54	0	Z	0	0	*		74	52	-
Cambridge ...	30.02	72	S	1	0		30.04	- .06	62	59	+ 3	SSE	1	0	*		78	55	-
Yarmouth ...	30.08	63	S	3	0		30.04	- .05	65	62	+ 1	S	3	0	2		67	60	-
Cuxhaven ...	30.13	60	W	1	0		30.12	- .01	61	60	+ 3	W	1	0	*		64	57	-
Berlin ...	30.13	63	Z	0	0		30.13	- .04	60	53	+ 2	NW	1	0	*		68	52	-
Wiesbaden ...	*	*	*	*	*		30.11	- .10	56	53	+ 4	Z	0	0	*		70	46	-
Munich ...	30.16	53	NE	3	0		30.15	- .06	52	50	0	SE	2	0	*		63	41	-
FRANCE & NETHERLANDS.																			
The Helder ...	30.10	60	SW	1	0		30.04	- .06	62	58	+ 4	SSE	1	0	1		68	54	-
Brussels ...	*	*	*	*	*		30.05	- .08	58	55	- 2	E	1	0	*		72	57	-
Cape Gris Nez ...	30.08	64	NNE	4	0		30.02	- .10	63	61	+ 1	ESE	1	0	1		72	57	-
Paris ...	30.04	67	E	3	0		30.02	- .11	52	57	0	N	1	0	*		70	49	-
Brest ...	30.01	60	SSW	1	0		29.97	- .07	59	58	0	E	1	0	2		72	50	-
Lorient ...	30.00	46	W	3	0		29.98	- .05	57	55	+ 1	Z	0	0	2		73	54	-
Rochefort ...	30.00	66	NNW	4	0		30.01	- .01	60	60	+ 5	NE	3	0	1		79	55	-
Belfort ...	*	*	*	*	*		*	*	*	*	*	*	*	*	*		*	*	*
Lyons ...	29.99	71	ESE	1	0		30.02	*	62	58	*	S	1	0	0		75	55	-
Nice ...	30.06	67	Z	0	0		30.05	+ .01	64	55	- 4	ENE	1	0	0		75	57	-
Perpignan ...	30.07	70	NE	1	0		30.02	- .02	70	68	+ 7	W	1	0	*		75	57	-
Biarritz ...	29.95	72	W	4	0		29.95	+ .02	69	64	+ 3	ESE	4	0	1		77	64	-
SPAIN.																			
Corunna ...	*	*	*	*	*		*	*	*	*	*	*	*	*	*		*	*	*
Lisbon ...	29.93	73	WNW	1	0		29.99	+ .06	66	64	- 5	Z	0	0	2		77	64	-



# WEATHER CHARTS

for 8 a.m. on

WEDNESDAY 24<sup>TH</sup> AUGUST,

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.

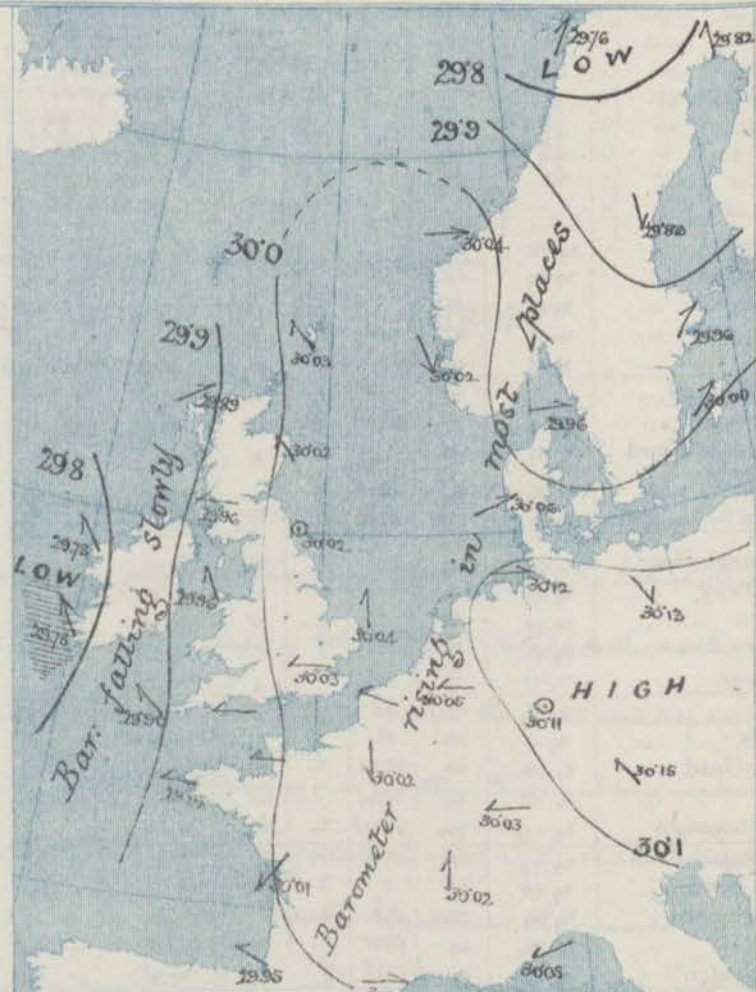
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.806
Stornoway	29.800
Wick	29.822
Nairn	29.820
Aberdeen	29.835
Leith	29.852
Shields	29.876
York	29.905
Ardrossan	29.856
Donaghadee	29.868
Holyhead	29.893
Liverpool	29.898
Valencia	29.908
Roche's Point	29.908
Pembroke	29.910
Scilly	29.951
Hurst Castle	29.940
Dover	29.945
LONDON	29.943
Oxford	29.929
Cambridge	29.929
Yarmouth	29.928



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

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

**Weather** — is shown by Letters of the Beaufort Scale.

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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.	58.3	48.8	54.1	52.4	3.21
Stornoway.	58.5	49.2	55.8	53.9	3.57
Wick.	61.3	48.7	55.6	53.6	2.35
Nairn.	63.6	50.6	56.0	53.1	2.81
Aberdeen.	63.0	50.7	56.8	53.9	3.13
Leith.	66.3	52.2	58.1	56.2	2.62
Shields.	63.7	53.2	58.0	55.3	2.81
York.	68.2	51.8	58.7	56.0	2.47
Ardrossan.	63.7	54.0	57.8	55.0	4.08
Donaghadee.	61.2	52.6	57.3	55.9	2.99
Holyhead.	65.2	55.7	58.9	56.9	2.89
Liverpool.	66.3	54.7	59.2	56.1	2.79
Valencia.	65.4	54.7	59.8	57.1	4.65
Roche's Point.	67.5	54.7	59.4	56.8	3.59
Pembroke.	64.4	56.4	59.4	57.1	2.91
Scilly.	65.4	57.8	61.3	59.3	2.45
Hurst Castle.	67.9	56.8	61.7	59.8	2.31
Dover.	67.3	58.2	63.3	59.6	2.06
LONDON.	72.3	54.2	61.9	58.5	2.20
Oxford.	69.6	53.0	59.8	57.3	2.33
Cambridge.	71.9	52.8	60.7	57.9	2.25
Yarmouth.	66.9	55.7	61.4	58.5	2.17

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.10 in. and more, over Germany; 30.00 in. and more, over France and the North Sea. Lowest, 29.78 in. over west of Ireland; 29.76 in. in north of Norway. Gradient slight. Barometer falling in west; rising in Norway and the south of France.
TEMPERATURE	Highest, 70° at Papey and Jersey, 69° at Biarritz, 66° at Fawley Point and 64° in London. Lowest, 49° at Bodo, 50° at Lumburg Head, 52° at St. Helens and also at Paris and Munich and 53° at Shields. It is lower in most parts of our islands than it was yesterday morning, but is rising fast.
WIND	S.E. (S. to E.) over the United Kingdom; very light in the east, fresh in the west. On the Continent it varies greatly, but the general tendency is - E. over France and S.W. to N.W. over Scandinavia.
WEATHER	Fine except in the west, where the sky is cloudy and the appearance rather unsettled. [Rain has fallen at several of our most western and northern stations.]
SEA	Rough at Valencia, slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT



There is no indication of any important change at present.

## FORECASTS

For the 24 hours ending at NOON on 25<sup>th</sup> AUGUST

1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S. and S.W. winds, moderate, some rain.	6 SCOTLAND WEST	S. breezes, moderate; fair, warm.
1 SCOTLAND EAST	S. and S.W. breezes, light or moderate; fair.	7 ENGLAND N. W.	-----D.-----D.-----D.-----
2 ENGLAND N. E.	-----D.-----D.-----D.-----	8 ENGLAND S. W.	-----D.-----D.-----D.-----
3 ENGLAND EAST	Same as N° 5.	9 IRELAND NORTH	S. breezes, fresh to moderate; fair Warm in the east, showery in the west.
4 MIDLAND COUNTIES	Same as N° 5.	10 IRELAND SOUTH	-----D.-----D.-----D.-----
5 ENGLAND SOUTH	S.E. 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.
Skudesnæs ...	29.87	57	56	SW 4	0	4	Holyhead ...	30.05	69	58	SSW 3	b	3
Sumburgh Head ...	29.93	59	50	NE 1	0	3	Valencia ...	29.90	64	61	SSE 5	0	5
Stornoway ...	29.92	58	57	E 3	0	3	Scilly ...	30.00	66	62	SE 2	cm	4
Aberdeen ...	29.93	65	60	SSE 1	c	0	Dungeness ...	30.08	67	61	SW 1	b	1
Shields ...	29.99	71	65	W 2	c	2	London ...	30.08	73	59	SW 2	b	*
Ardrossan ...	29.99	63	59	SSW 2	b	1	Yarmouth ...	30.08	66	59	SSE 3	b	3
Malin Head ...	29.90	65	63	SSW 3	0	1	Jersey ...	30.03	63	59	ESE 2	c	2
Mullaghmore ...	29.92	67	63	W 1	c	1	Rocheport ...	30.02	71	69	NW 4	b	2
Belmullet ...	29.88	66	61	SSW 3	0	*							

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

The reports for yesterday morning showed that pressure was highest, 30.2 in. and upward, over South Germany, but relatively high over the more Central and southern part of Europe. The lowest reading, 29.8 in. and less, were reported in two large areas lying respectively over Lapland and South Russia and also in a small depression lying near the Shetlands. The wind was moderate from E. over the Channel and Bay of Biscay, fresh from SE. or S. on the west coast of our islands and light or moderate from the W. over the North Sea and the adjacent countries. Over Eastern and Southern Europe, calm and variable airs were reported. The weather was fair or fine in most places, but dull in the neighbourhood of the various low pressure systems, with rain at Helsingfors, Christiania, Moscow & Lemberg. Temperature had risen over our islands and France, but fallen a little in most other countries; readings ranged from 75° and upward at a few of the Italian, Spanish and Algerian stations to 50° or less over Northern Europe. The highest individual readings were 79° at Barcelona & Malta, 78° at Oran and San Fernando, 77° at Algiers and Laphouet and 76° at Brindisi; the lowest were 47° at Bodo and Cascel, 48° at Christiania, 49° at Helsingfors and 51° at Haparanda, Sumburgh Head and Knopio.

In the course of the day the small depression near the Shetlands moved away eastwards, but a new disturbance began to approach our southwest coast. The weather remained very fine over England and the thermometer at the inland station rose to between 76° and 78°.

### 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 25<sup>th</sup> August 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 82° F. and Sea Level.	BAROMETER.		SHADE TEMP.		WIND.		Weather.	Sun. (0 to 12.)	SHADE TEMP.		Amount of Rainfall.
			Dir.	Force. (0 to 12.)			Inch.	Diff. from 8 a.m. yesterday.	Dry.	Wet.	Diff. from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Max.	Min.	
<b>SCANDINAVIA.</b>																	
Haparanda ..	29.82	50	Z	0	b	29.86	1.04	51	48	-4	W	2	b	*	57	46	0.08
Hernösand ...	30.09	49	Z	0	b	30.10	1.24	49	46	-4	NW	2	c	*	64	48	-
Stockholm ...	30.06	53	NE	2	b	30.18	1.19	57	51	-3	NE	2	b	*	68	50	-
Wishy ...	30.07	60	W	2	b	30.07	1.07	59	56	-1	ESE	4	bc	*	66	54	-
Bodo ...	29.79	49	WSW	6	r	29.92	1.16	50	48	+1	WSW	6	c	3	50	39	0.47
Christiansund...	30.07	48	NW	2	c	30.04	1.00	50	45	+2	E	1	o	3	52	43	-
Skudesnaes ...	30.03	51	WNW	2	c	30.02	1.00	54	52	+2	Z	0	c	2	59	?	-
Christiania Fjord (Færder)	30.01	60	WSW	2	c	30.04	1.09	58	55	+1	Z	0	c	1	63	52	-
Skagen (The Scaw)	30.00	55	Z	0	b	30.04	1.08	58	56	0	Z	0	bc	0	64	48	-
Fanø ...	30.07	55	Z	0	b	30.06	1.00	55	55	-5	SE	2	b	*	66	52	-
<b>BRITISH ISLANDS.</b>																	
Sumburgh Head	29.48	53	SE	2	o	29.89	1.14	53	53	+3	SE	3	o	3	55	48	-
Stornoway ...	29.82	63	SW	2	b	29.72	1.17	58	57	+1	SW	1	o	2	65	53	-
Wick ...	29.90	56	SE	1	b	29.80	1.18	58	56	+4	S	2	bc	1	60	52	-
Nairn ...	29.87	65	Z	0	c	29.79	1.17	60	56	+3	Z	0	m	1	68	55	-
Aberdeen ...	29.95	59	SSE	1	c	29.86	1.16	59	57	+4	S	2	bc	0	62	53	-
Leith ...	29.89	57	N	1	c	29.84	1.16	60	57	+6	NW	1	ew	*	62	51	-
Shields ...	29.93	61	ESE	2	c	29.88	1.14	63	57	+10	ESE	1	c	2	64	53	-
Spurn Head ...	29.97	63	SE	4	b	29.93	1.10	62	61	0	SE	1	bm	2	71	56	-
York ...	29.94	71	E	1	b	29.92	1.11	58	55	+3	SSE	1	b	*	77	52	-
Loughborough	29.93	74	SE	2	bc	29.93	1.10	60	56	+7	ESE	1	c	*	81	41	-
<b>GERMANY.</b>																	
Ardrossan ...	29.86	65	ESE	1	c	29.82	1.14	60	56	+2	E	1	r	1	68	53	-
Malin Head ...	29.75	60	S	4	b	29.72	1.14	61	61	+2	S	2	op	2	70	59	0.03
Mullaghmore ...	29.74	65	S	4	o	29.73	1.11	62	59	+1	SSE	5	bc	2	70	57	0.20
Belmullet ...	29.69	65	SSW	3	c	29.70	1.08	61	59	0	SSW	4	bc	*	69	59	0.64
Donaghadee ...	29.86	60	SSE	3	bc	29.79	1.16	59	59	0	S	3	o	1	65	56	0.08
Barrow-in-Furness	29.88	71	NW	2	bc	29.86	1.12	61	61	+1	E	4	c	*	75	58	-
Liverpool (Bidston)	29.87	75	SE	2	bc	29.87	1.12	62	55	-2	SE	2	c	2	77	56	-
Holyhead ...	29.88	66	SW	2	bc	29.85	1.11	62	59	-5	SSE	4	em	3	73	59	-
Parsonstown ...	29.78	68	SSE	2	c	29.79	1.08	62	59	+2	S	1	b	*	74	58	0.23
Valencia ...	29.72	64	SSE	5	r	29.77	1.01	63	60	0	S	5	c	5	66	60	0.36
Roche's Point...	29.80	63	S	4	r	29.81	1.06	63	62	-1	SSW	3	bc	4	69	58	0.17
Pembroke ...	29.89	64	SW	2	b	29.86	1.08	60	60	-1	S	2	dm	2	67	59	0.03
Scilly ...	29.87	62	S	3	o	29.86	1.04	63	62	0	Z	0	opf	?	69	?	0.02
Prawle Point ...	29.94	68	Z	0	c	29.90	1.06	61	60	-5	E	1	em	1	73	56	-
Jersey ...	29.93	75	Z	0	bc	29.91	1.05	66	63	-4	ESE	1	cq	1	76	54	-
<b>FRANCE &amp; NETHERLANDS.</b>																	
Hurst Castle ...	29.96	67	S	2	b	29.92	1.08	65	62	-3	ESE	1	m	2	77	54	-
Dungeness ...	29.96	60	ESE	3	b	29.93	1.06	65	61	0	S	2	c	1	69	56	-
London ...	29.98	69	E	2	b	29.94	1.09	59	58	-8	E	1	bjw	*	79	59	-
Oxford ...	29.95	66	S	1	bc	29.93	1.09	58	55	0	Z	0	c	*	77	49	-
Cambridge ...	29.94	72	SSE	1	b	29.93	1.11	61	59	-1	E	1	bc	*	80	48	-
Yarmouth ...	30.00	65	ESE	1	b	29.94	1.10	64	63	+1	Z	0	b	1	67	56	-
Cuxhaven ...	30.09	59	E	1	b	30.06	1.06	63	59	+2	E	1	m	*	64	57	-
Berlin ...	30.06	64	Z	0	b	30.07	1.06	62	58	+2	Z	0	b	*	72	55	-
Wiesbaden ...	*	*	*	*	*	30.03	1.08	61	55	+5	Z	0	b	*	72	?	-
Manich ...	30.10	55	E	2	b	30.10	1.05	53	50	+1	NE	2	b	*	66	43	-
<b>SPAIN &amp; PORTUGAL.</b>																	
The Helder ...	30.03	64	ESE	1	b	29.98	1.06	63	61	+1	ESE	1	b	1	65	61	-
Brussels ...	*	*	*	*	*	29.96	1.09	62	57	+4	E	1	b	*	75	55	-
Cape Gris Nez...	29.96	66	ESE	3	m	29.94	1.08	66	58	+3	S	1	bc	0	70	57	-
Paris ...	29.97	68	SE	1	b	29.99	1.03	55	54	+3	ESE	1	b	*	78	48	-
Brest ...	29.93	63	SSE	2	b	29.91	1.06	61	60	+2	ESE	1	m	2	72	50	-
Lorient ...	29.96	71	WNW	1	b	29.95	1.03	59	57	+2	NW	1	c	2	79	55	-
Roche fort ...	29.98	68	NW	4	bc	29.97	1.04	63	?	+3	NNE	3	c	2	79	57	?
Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lyons ...	29.93	76	SSE	1	b	29.99	1.03	64	62	+2	WSW	1	b	*	80	60	-
Nice ...	30.00	59	Z	0	r	30.00	1.05	67	65	+3	Z	0	c	0	77	61	-
Perpignan ...	29.96	70	NE	1	o	29.98	1.04	70	68	0	Z	0	o	*	79	66	-
Biarritz ...	29.89	73	ESE	4	o	29.98	1.03	67	66	-2	WSW	4	o	2	84	66	-
<b>PORTUGAL.</b>																	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lisbon ...	30.02	68	NW	7	b	30.05	1.06	68	65	+2	NW	4	c	2	79	64	-

For Explanation of Columns, see p. 4.



# WEATHER

# CHARTS

for 8 a.m. on

Thursday, 25<sup>th</sup> August

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

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

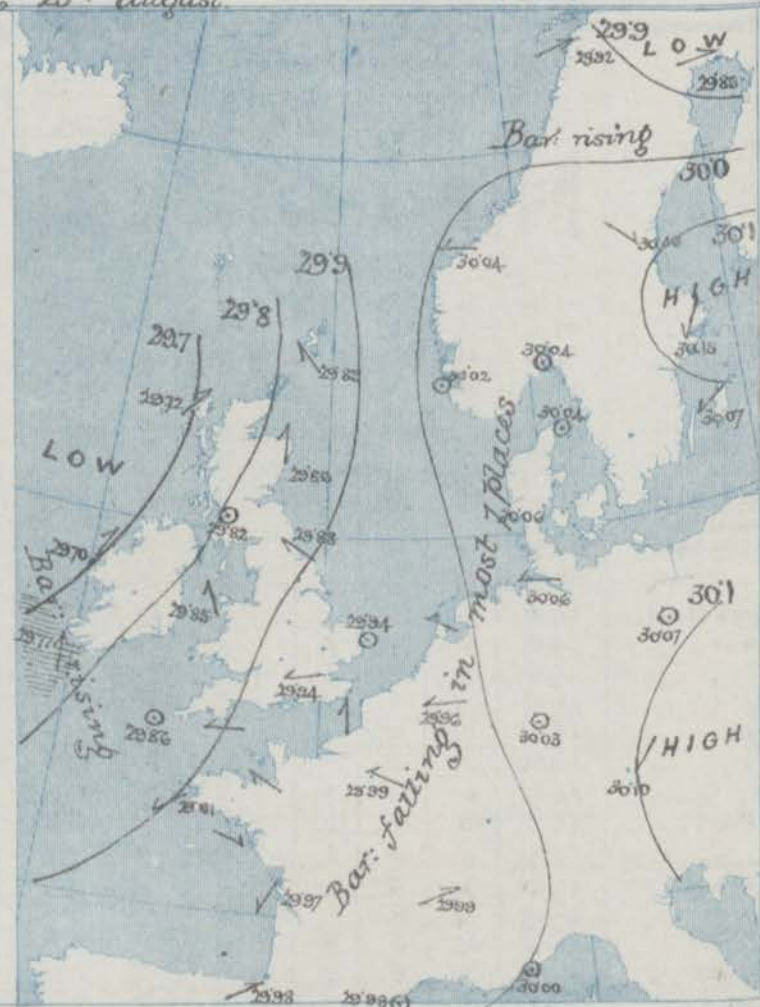
**Sea Disturbance** — where considerable is shown thus

■ — Rough. ■ — High.

## MEAN HEIGHT of the BAROMETER

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

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

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

**Weather** is shown by letters of the Beaufort Scale.

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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	58.3	48.8	54.1	52.4	3.21
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Nairn	63.6	50.6	56.0	53.1	2.81
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Leith	66.3	52.2	58.1	55.2	2.62
Shields	63.7	53.2	58.0	55.3	2.81
York	68.2	51.8	58.7	56.0	2.47
Ardrossan	62.7	54.0	57.8	55.0	4.08
Donaghadee	61.2	52.6	57.3	55.9	2.09
Holyhead	65.2	55.7	58.9	56.9	2.89
Liverpool	66.3	54.7	59.2	56.1	2.79
Valencia	65.4	54.7	59.8	57.1	4.65
Roche's Point	67.5	54.7	59.4	56.8	3.59
Pembroke	64.4	56.4	59.4	57.1	2.91
Scilly	65.4	57.8	61.3	59.3	2.45
Hurst Castle	67.9	56.8	61.7	59.8	2.31
Dover	67.3	58.2	63.3	59.6	2.06
LONDON	72.3	54.2	61.9	58.5	2.20
Oxford	69.6	53.9	59.8	57.3	2.33
Cambridge	71.9	52.8	60.7	57.9	2.25
Yarmouth	66.9	55.7	61.4	58.5	2.17

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, over the northern part of the Baltic and also over S. Germany, relatively high 30.0 ins: and upwards over Spain.  
Lowest, 29.7 ins: and less, in a depression lying off the west of Scotland.

## TEMPERATURE

Highest, 70° at Liverpool, 68° at Lisbon, 67° at Nice, and 66° at Jersey and Biarritz.  
Lowest, 48° at Harisund, 50° at Bodo and Christiansund, 51° at Naparanda, 53° at Lumburgh H. and 54° at Skudenes.  
(During yesterday the thermometers rose to 73° in London, 60° at Farnbridge and 81° at Loughborough.)

## WIND

Light E. over the Channel and north of France, moderate or fresh from SE. or S. on our southern coast.  
Light S. in Scotland; calm in the southern parts of Norway and France.  
Moderate W. at Birnity, and N.W. at Lisbon.

## WEATHER

Cloudy on the western coasts of our islands and France, with rain at Arras and Pombroix and passing showers at Malin Head and Bally.  
Fine in most other localities, but misty or foggy in the south of England. Squalls reported at Jersey.  
[Rain fell yesterday at all the Irish stations, the largest amount being 0.6 in. at Balmullet.]

## SEA

Rather rough at Valencia, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed off the west of Ireland yesterday has moved slowly northwards, and the barometer is now rising on our extreme west and southwest coasts, as well as over Spain and the south of France.

Over the west of France there are indications of the development of shallow local depressions. These may possibly advance northwards and occasion unsettled thundery weather over our southern districts.

## FORECASTS

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

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	S <sup>3</sup> winds, light or moderate; dull, some rain.
1	SCOTLAND EAST	S <sup>4</sup> winds, light; fine to unsettled and some rain.
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	E and S <sup>4</sup> winds, light; cloudy, close, thunderstorms locally.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	S <sup>3</sup> winds, moderate; cloudy, some rain.
7	ENGLAND N.W.	.....D.....D.....D.....
8	ENGLAND S.W.	Light variable airs; cloudy, close, thunder locally.
9	IRELAND NORTH	S <sup>4</sup> to W <sup>4</sup> winds, moderate; changeable, some showers.
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.
Skudeenaes ...	30.04	59	53	NW 4	b	2	Holyhead ...	29.92	71	59	SSW 1	bc	1
Sumburgh Head ...	30.01	58	52	SE 2	o	3	Valencia ...	29.75	65	64	SSW 6	o	5
Stornoway ...	29.86	65	61	SW 3	b	3	Scilly ...	?	65	64	? 3	bc	4
Aberdeen ...	29.98	57	57	E 1	m	0	Dungeness ...	29.99	68	61	ESE 2	b	1
Shields ...	29.97	64	58	E 4	c	2	London ...	29.98	75	60	ESE 3	b	*
Ardrossan ...	29.91	65	59	SE 1	bc	1	Yarmouth ...	30.04	67	63	ESE 2	b	2
Malin Head ...	29.77	68	62	S 4	o	2	Jersey ...	29.96	72	60	ESE 1	b	1
Mullaghmore ...	29.77	69	60	SE 5	c	2	Rochefort ...	30.00	76	70	NW 4	c	1
Belmullet ...	29.73	67	62	S 5	c	*							

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

Yesterday morning's reports showed that pressure was very uniformly distributed over Western, Central, and Northern Europe, where the readings ranged between 30.00 ins. and 30.15 ins. To the northward, however, the values were lower, the lowest reported being about 29.8 ins. over the coast of Ireland, the north of Norway, and the Black Sea. The wind consequently varied greatly—being chiefly E<sup>3</sup> and SE<sup>2</sup> over the western countries, SW to NW<sup>1</sup> in the north, and nearly calm in southeastern Europe. The weather was fine except in the extreme west and north, where the sky was overcast, and occasional showers were reported. Temperature varied from between 70° and 80° over the Mediterranean to rather below 60° in the NW. of Norway, with a local area of cold over Central France and the western part of Germany. The highest individual values were 79° at Biskra, Tunis, and Oran (Algeria), 78° at Malta, 76° at Brindisi, and 70° both at Lefpignan and Jersey. The lowest were 48° at Christiansund and at Casrel, 49° at Bodø, 50° at Sumburgh Head, 51° at Charlsvilla, and 52° at Paris and Munich.

Little change occurred later beyond an increase of temperature to between 75° and 81° over England during the day, and the prevalence of some rain in Ireland.

### 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 26<sup>th</sup> August

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.)	Weather.	SHADE TEMP.		Amount of Rainfall.
			Dir.	Force (0 to 12.)	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.)	Force (0 to 12.)			Max.	Min.	
<b>SCANDINAVIA.</b>																			
Haparanda ..	29.93	50	Z	0	0	b	29.96	+10	50	47	-1	N	2	0	*	b	59	39	-
Hernösand ...	30.04	50	Z	0	0	c	30.05	-05	50	48	+1	W	2	0	*	b	61	39	-
Stockholm ...	30.11	59	Z	0	0	b	30.08	-07	58	52	+1	SW	2	0	*	b	64	43	-
Wisby ...	30.07	53	E	2	0	b	30.08	+01	57	52	-2	NE	2	0	*	b	61	52	-
Bodö ...	30.00	49	W	4	7	r	30.02	+10	49	45	-1	W	4	0	2	b	54	48	0.04
Christiansund...	30.00	52	ENE	1	0	b	30.00	-04	55	52	+5	ESE	1	0	2	b	55	46	-
Skudesnaes ...	30.01	56	Z	0	0	o	29.97	-05	57	56	+3	ESE	4	0	2	b	63	54	-
Christiania Fjord (Førder)	30.03	60	Z	0	0	b	30.03	-01	58	55	0	Z	0	0	0	b	61	55	-
Skagen (The Scaw)	30.02	54	Z	0	0	b	30.02	-02	57	56	-1	Z	0	0	0	b	66	48	-
Faro ...	29.99	61	SE	4	0	b	29.96	-10	62	59	+7	SE	4	0	*	b	75	55	-
<b>BRITISH ISLANDS.</b>																			
Sumburgh Head	29.85	55	SSE	1	0	c	29.84	-05	52	52	-1	ESE	1	0	2	m	59	50	-
Stornoway ...	29.74	64	SW	1	0	c	29.62	-10	60	58	+2	Z	0	0	3	b	64	58	0.03
Wick ...	29.80	64	S	2	0	b	29.73	-07	56	55	-2	S	3	0	1	m	68	53	-
Nairn ...	29.78	69	Z	0	0	c	29.68	-11	60	58	0	ENE	1	0	1	e	76	54	-
Aberdeen ...	29.83	61	SSE	2	0	b	29.76	-10	59	57	0	SE	1	0	1	b	66	52	-
Leith ...	29.77	63	NW	1	0	c	29.70	-14	58	57	-2	SE	1	0	1	cm	74	55	-
Shields ...	29.82	64	S	3	0	o	29.73	-15	64	59	+1	SW	1	0	2	cm	68	63	-
Spurn Head ...	29.84	64	SE	3	0	b	29.78	-15	62	60	0	SE	4	0	2	b	67	59	-
York ...	29.83	72	S	1	0	b	29.73	-19	61	56	+3	SSE	1	0	*	b	77	54	-
Loughborough	29.82	78	SSE	1	0	b	29.77	-16	61	56	+1	SSE	1	0	1	om	82	53	-
<b>GERMANY.</b>																			
Ardrossan ...	29.78	63	NW	1	0	b	29.66	-16	62	59	+2	ENE	2	0	1	om	64	54	0.10
Malin Head ...	29.69	66	SE	1	0	om	29.47	-25	61	61	0	SSE	4	0	3	om	68	58	-
Mullaghmore ...	29.68	68	ESE	3	0	om	29.45	-28	61	58	-1	ESE	5	0	4	og	70	60	-
Belmullet ...	29.65	66	SSE	3	0	b	29.35	-35	60	58	-1	SE	5	0	*	r	68	59	0.07
Donaghadee ...	29.78	63	S	3	0	c	29.61	-18	59	58	0	SSE	4	0	2	om	65	55	0.04
<b>FRANCE &amp; NETHERLANDS.</b>																			
Darow-in-Furness	29.80	69	WNW	2	0	b	29.69	-17	62	62	+1	ESE	5	0	*	c	72	59	0.04
Liverpool (Bidston)	29.80	69	WNW	1	0	b	29.68	-19	61	59	-1	ESE	3	0	3	om	77	58	-
Holyhead ...	29.81	62	SSW	3	0	b	29.64	-21	64	61	+2	SSE	3	0	2	om	68	58	0.01
Parsonstown ...	29.73	67	SW	2	0	o	29.46	-33	63	60	+1	SE	3	0	*	om	74	59	-
Valencia ...	29.66	64	SSE	6	0	o	29.38	-39	59	58	-4	SSE	1	0	2	om	65	57	0.55
Roche's Point...	29.75	65	S	3	0	c	29.43	-38	62	62	-1	SSE	6	0	5	r	68	60	0.35
Pembroke ...	29.82	60	SSE	2	0	c	29.65	-21	61	61	+1	S	4	0	4	opm	64	59	0.03
Seilly ...	29.79	65	SSE	4	0	o	29.59	-27	63	62	0	S	6	0	5	r	69	60	0.06
Prawle Point ...	29.86	62	SW	1	0	o	29.76	-14	60	60	-1	SSE	5	0	5	om	69	57	-
Jersey ...	29.86	67	N	1	0	b	29.81	-10	67	64	+1	SW	4	0	4	og	75	52	-
<b>SPAIN &amp; PORTUGAL.</b>																			
Hurst Castle ...	29.88	68	NW	2	0	b	29.80	-12	64	60	-1	SW	3	0	2	og	73	53	-
Dungeness ...	29.88	64	NW	1	0	b	29.82	-11	64	61	-1	S	3	0	2	c	71	62	-
London ...	29.88	75	SSE	1	0	b	29.80	-14	68	61	+9	S	2	0	*	c	83	54	-
Oxford ...	29.86	69	S	3	0	b	29.78	-15	60	56	+2	S	2	0	*	o	81	53	-
Cambridge ...	29.87	74	NE	1	0	b	29.77	-16	60	60	+5	SSE	1	0	*	o	85	53	-
Yarmouth ...	29.91	66	SE	1	0	b	29.83	-11	65	63	+1	SSE	3	0	2	b	68	62	-
Cuxhaven ...	30.02	63	ESE	3	0	b	29.98	-08	62	58	-1	SSE	3	0	*	b	71	59	-
Berlin ...	30.02	68	NE	1	0	b	30.04	-03	61	57	-1	E	1	0	*	b	75	55	-
Wiesbaden ...	*	*	*	*	*	*	29.99	-04	61	57	0	Z	0	0	*	c	77	62	-
Munich ...	30.05	58	NE	2	0	b	30.06	-04	59	56	+6	SE	2	0	*	b	70	46	-
<b>ITALY.</b>																			
The Helder ...	29.94	66	E	1	0	b	29.90	-08	64	60	+1	SSE	1	0	1	b	70	59	-
Brussels ...	*	*	*	*	*	*	29.91	-05	64	61	+2	NW	1	0	*	b	78	57	-
Cape Gris Nez...	29.89	68	NE	1	0	b	29.83	-11	72	61	+6	SE	5	0	2	c	79	64	-
Paris ...	29.93	70	ESE	1	0	c	29.92	-07	61	56	+6	S	1	0	*	b	81	53	-
Brest ...	29.89	64	S	3	0	o	29.79	-12	62	59	+1	S	5	0	5	o	72	53	-
Lorient ...	29.92	66	SW	3	0	c	29.84	-11	66	64	+7	SW	4	0	4	o	79	57	-
Rochefort ...	29.97	68	WNW	3	0	c	29.91	-06	62	62	-1	SE	5	0	2	o	75	61	-
Belfort ...	30.02	72	E	1	0	b	30.00	00	65	57	-	E	1	0	*	b	80	47	-
Lyons ...	29.92	74	SW	1	0	o	29.99	00	61	61	-3	S	1	0	*	b	83	59	-
Nice ...	30.00	69	E	1	0	c	30.01	+01	68	65	+1	E	1	0	2	o	79	63	-
Perpignan ...	29.96	70	NE	1	0	o	29.99	+01	66	64	-4	NE	1	0	*	o	80	47	0.12
Barritz ...	29.96	71	NW	3	0	b	29.88	-10	64	63	-3	ESE	3	0	2	b	75	63	-
<b>PORTUGAL.</b>																			
Corunna ...	30.04	70	NW	4	0	b	29.99	-06	68	67	0	SW	4	0	5	c	79	66	0.04
Lisbon ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on *Friday, 26<sup>th</sup> August, 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.

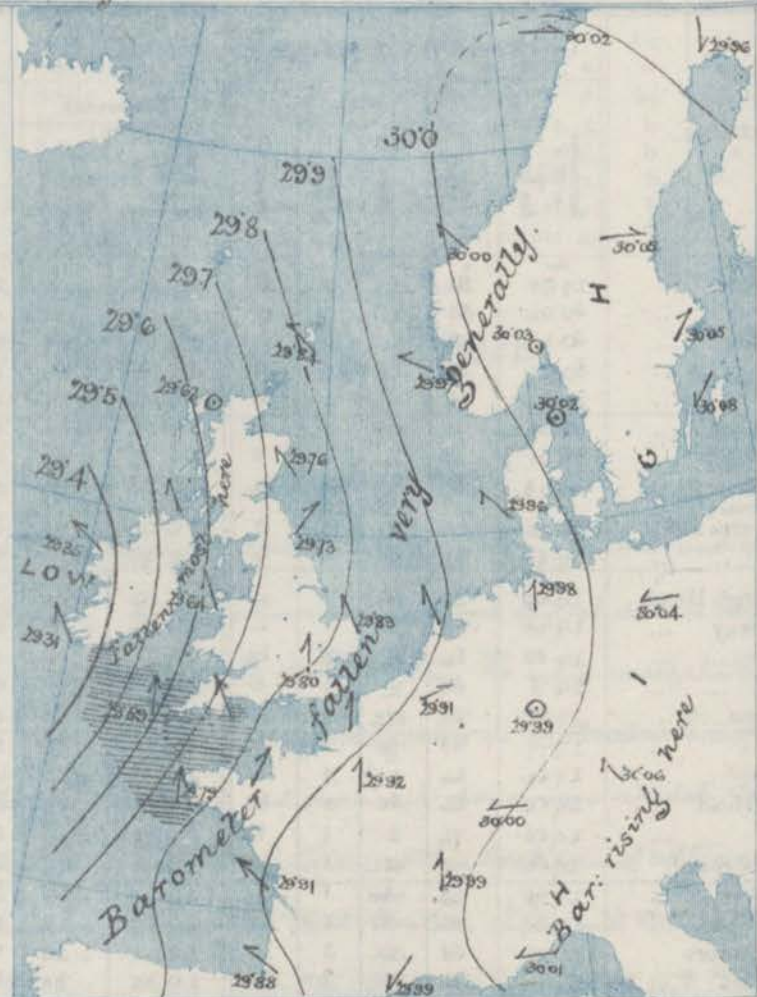
**Sea Disturbance** — where considerable is shown thus

■ — Rough. ■ — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.806
Stornoway	29.800
Wick	29.822
Nairn	29.829
Aberdeen	29.835
Leith	29.852
Shields	29.876
York	29.905
Ardrossan	29.856
Donaghadee	29.868
Holyhead	29.893
Liverpool	29.898
Valencia	29.908
Roche's Point	29.908
Pembroke	29.910
Scilly	29.951
Hurst Castle	29.949
Dover	29.945
LONDON	29.943
Oxford	29.929
Cambridge	29.929
Yarmouth	29.928



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

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

**Weather** — is shown by Letters of the Beaufort Scale.

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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	58.3	48.8	54.1	52.4	3.21
Stornoway	58.5	49.2	55.8	53.9	3.57
Wick	61.3	48.7	55.6	53.6	2.35
Nairn	63.6	50.6	56.0	53.1	2.81
Aberdeen	63.0	50.7	56.8	53.9	3.13
Leith	66.3	52.2	58.1	55.2	2.62
Shields	63.7	53.2	58.0	55.3	2.81
York	68.2	51.8	58.7	56.0	2.47
Ardrossan	62.7	54.0	57.8	55.0	4.08
Donaghadee	61.2	52.6	57.3	55.9	2.99
Holyhead	65.2	55.7	58.9	56.9	2.89
Liverpool	66.3	54.7	59.2	56.1	2.79
Valencia	65.4	54.7	59.8	57.1	4.05
Roche's Point	67.5	54.7	59.4	56.8	3.59
Pembroke	64.4	56.4	59.4	57.1	2.91
Scilly	65.4	57.8	61.3	59.3	2.45
Hurst Castle	67.9	56.8	61.7	59.8	2.31
Dover	67.3	58.2	63.3	59.6	2.06
LONDON	72.3	54.2	61.9	58.5	2.20
Oxford	69.0	53.9	59.8	57.3	2.33
Cambridge	71.9	52.8	60.7	57.9	2.25
Yarmouth	68.9	55.7	61.4	58.5	2.17

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, 30.0 ins: and upwards, over Sweden, the Baltic, Germany and the southeast of France.  
Lowest, 29.4 ins: and less, in a depression the centre of which lies to the southwest of Ireland.

## TEMPERATURE

Highest, 72° at C. G. de M., 68° in London, and also at Nice and Lisbon, 67° at Jersey, and 66° at Cambridge, Lowest and Perpignan.  
Lowest, 49° at Bodo, 50° at Haparanda and Helsingfors, 52° at Lumburg, 11°, and 55° at Christiania.  
[During yesterday the thermometer rose to 81° at Oxford, 82° at Loughboro, 83° in London, and 85° at Cambridge.]

## WIND

SE<sup>1</sup> or S<sup>2</sup> at all but the Swedish stations, where variable breezes are reported.  
Fresh or strong in force on our west and southwest coasts, but moderate elsewhere.  
[A moderate to fresh gale from the SE<sup>4</sup> was experienced last night in the west of Ireland.]

## WEATHER

Dull on the west coasts of our Islands and France, with rain at several of our southwestern stations.  
Fair or fine in nearly all other localities.  
[Since yesterday morning rain has fallen at most of our western stations.]

## SEA

Rather rough on our southwest coasts, slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

At Valencia the barometer is reported to have ceased falling since 6 am, but the mercury is at present rather unsettled. The depression in the west seems likely to move northwards, and some increase of wind is probable on our north and northwest coasts, with rain in many places. Over our eastern districts, however, fair weather is likely to continue for the present.

## FORECASTS

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

### DISTRICTS.

### FORECASTS.

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

SE<sup>1</sup> and S<sup>2</sup> winds, freshening considerably, fair to cloudy and some rain.  
.....D.....D.....D.....  
Same as N° 3.  
Same as N° 5.  
Same as N° 5.  
SE<sup>1</sup> & S<sup>2</sup> winds, moderate or fresh, fair generally.

### DISTRICTS.

### FORECASTS.

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

E<sup>1</sup> to S<sup>2</sup> winds, freshening considerably, dull, some rain.  
SE<sup>1</sup> or S<sup>2</sup> winds, fresh or strong, cloudy, some rain.  
.....D.....D.....D.....  
SE<sup>1</sup> and S<sup>2</sup> winds, strong, a gale in places, cloudy, some rain.  
.....D.....D.....D.....

### WARNINGS

The SOUTH CONE was hoisted last evening in districts 9 and 10.

An asterisk is inserted against those districts in which the signals are hoisted.

Note.—The South Cone, point downwards (V) means that gales, or strong winds, are probable, at first from the Southward (from 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.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.02	68	57	SW 2	b	2	Holyhead ...	29.85	66	62	SW 4	bc	3
Sumburgh Head ...	29.86	56	55	SE 2	e	3	Valencia ...	29.72	64	62	SE 6	om	5
Stornoway ...	29.75	64	62	SW 4	o	4	Scilly ...	29.85	67	65	SE 1	o	6
Aberdeen ...	29.84	61	57	S 4	bc	1	Dungeness ...	29.91	71	64	WSW 1	bc	1
Shields ...	29.84	67	59	SE 8	c	2	London ...	29.89	81	65	SW 2	c	*
Ardrossan ...	29.81	61	59	SW 1	o	1	Yarmouth ...	29.93	67	64	SE 2	b	2
Malin Head ...	29.72	66	66	E 3	c	0	Jersey ...	29.88	74	64	ENE 1	b	1
Mullaghmore ...	29.72	67	60	SE 5	cm	3	Rocheport ...	29.97	73	69	NW 3	c	2
Belmullet ...	29.68	64	60	SW 3	bc	*							

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

The reports for yesterday morning showed a continuation of uniform pressure over Western and Central Europe and the Baltic, with rather lower values over the Atlantic, Lapland, ~~and~~ Northern Russia and the Black Sea. Light E<sup>2</sup> to S<sup>2</sup> winds consequently prevailed in the west, with warm, close weather, and rain at the extreme western stations, while SW<sup>1</sup> to NW<sup>1</sup> winds were felt in the north, with slight showers, and variable air elsewhere, with thunder and lightning at times in the south of France and some showers in Poland. Temperature varied from upwards of 80° in some parts of Algeria, and from between 70° and 80° over the Mediterranean to about 50° over Northern Europe. The readings over the most northern parts were rather higher than those in the surrounding regions. The highest individual values reported were 84° at Biskra (Algeria), 80° at Malta, 76° at Cagliari, 75° at Brindisi, 74° at Barcelona, and 70° at Palermo and Tripoli; the lowest were 43° at Kuopio, and 50° at Haparanda, Bodö and Christiania.

Later in the day temperature became very high over England and France, the maximum readings recorded being 85° at Cambridge, 83° at Lyons and in London, and upwards of 80° in several other places. In the west the wind freshened greatly from S.

### 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 27<sup>th</sup> August 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.	Secs. (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 ..	30.14	47	Z	0	b	30.01	+0.5	49	46	-1	Z	4	b	*	61	41	-	
Hernösand ...	30.01	50	Z	0	b	30.06	+0.1	55	52	+5	Z	0	bc	*	63	41	-	
Stockholm ...	30.05	58	Z	0	c	30.07	-0.1	60	56	+2	W	2	b	*	70	48	0.12	
Wisby ...	30.08	54	W	2	b	30.07	-0.1	59	57	+2	W	2	bc	*	63	45	-	
Bodö ...	30.06	50	Z	0	o	30.06	+0.4	50	49	+1	E	2	b	1	50	45	-	
Christiansund...	29.98	56	E	1	c	29.92	-0.8	57	54	+2	ESE	3	m	1	63	52	-	
Skudesnaes ...	29.90	59	S	2	b	29.87	-1.0	63	58	+6	E	4	o	3	68	57	-	
Christiania Fjord (Farder)	30.04	60	SW	2	b	30.01	-0.2	62	59	+4	SE	2	bc	1	63	?	-	
Skagen (The Scaw)	29.99	59	SE	1	c	30.01	-0.1	61	59	+4	S	1	c	1	64	57	-	
Fanö ...	29.94	63	SE	4	b	29.91	-0.5	62	60	0	SE	5	c	*	79	57	-	
BRITISH ISLANDS.																		
Sumburgh Head	29.63	56	ESE	3	bc	29.65	-1.9	55	55	+3	ESE	3	r	1	58	50	0.32	
Stornoway ...	29.42	63	SW	3	o	29.56	-0.6	59	58	-1	W	3	b	3	70	49	0.20	
Wick ...	29.55	57	S	4	o	29.61	-1.2	60	58	+4	SW	2	b	1	65	55	0.25	
Nairn ...	29.49	69	E	1	o	29.62	-0.6	64	58	+4	SE	1	b	1	81	52	-	
Aberdeen...	29.61	60	ESE	4	r	29.67	-0.9	63	60	+4	SW	2	b	1	67	54	0.39	
Leith ...	29.59	66	S	1	m	29.67	-0.3	65	58	+7	S	1	b	*	76	51	0.05	
Shields ...	29.62	61	Z	0	o	29.72	-0.1	62	58	-2	SSW	3	cm	0	66	52	0.23	
Spurn Head ...	29.70	66	SW	4	r	29.75	-0.3	63	61	+1	SW	2	c	2	72	60	0.11	
York ...	29.66	70	S	2	o	29.75	+0.2	58	57	-3	W	1	c	*	73	55	0.11	
Loughborough	29.70	68	ESE	2	o	29.78	+0.1	59	57	-2	W	1	o	*	76	54	0.28	
Ardrossan ...	29.50	60	ESE	4	r	29.66	-0.0	60	57	-2	ESE	1	o	1	66	51	0.51	
Malin Head ...	29.38	62	S	3	c	29.52	+0.5	59	59	-2	S	3	om	3	64	54	0.12	
Mullaghmore ...	29.41	60	S	4	c	29.48	+0.3	63	57	+2	SE	6	bc	5	63	56	0.19	
Belmullet ...	29.39	61	SSW	3	b	29.45	+1.0	62	58	+2	S	4	c	*	62	58	0.60	
Donaghadee ...	29.47	60	SSW	6	c	29.61	-0.0	60	59	+1	SW	5	o	3	61	56	0.29	
Barrow-in-Furness	29.57	63	SE	4	o	29.70	+0.1	58	56	-4	ESE	5	c	*	68	56	0.28	
Liverpool (Bidston)	29.57	65	SE	3	o	29.73	+0.5	57	55	-4	SE	2	c	3	68	52	0.36	
Holyhead ...	29.55	58	SSW	5	op	29.68	+0.4	61	59	-3	S	4	egm	4	66	57	0.07	
Parsonstown ...	29.64	66	Z	0	bc	29.55	+0.9	63	59	0	ESE	2	c	*	66	55	0.62	
Valencia ...	29.46	64	S	5	o	29.45	+0.7	61	59	+2	ESE	5	trm	5	65	57	0.11	
Roche's Point...	29.53	64	SW	3	b	29.56	+1.3	64	61	+2	SW	4	bc	4	66	58	0.46	
Pembroke ...	29.59	61	SSW	4	b	29.69	+0.4	61	60	0	S	3	b	4	61	57	0.29	
Scilly ...	29.63	63	SW	5	e	29.66	+0.7	65	64	+2	S	5	bc	5	65	58	0.73	
Prawle Point ...	29.68	60	SSW	5	o	29.78	+0.2	59	59	-1	SW	4	om	4	63	56	0.02	
Jersey ...	29.75	69	ESE	4	og	29.79	-0.2	64	61	-3	S	1	ogm	1	69	60	0.04	
Hurst Castle ...	29.73	65	S	5	o	29.81	+0.1	65	62	+1	SW	3	c	1	72	58	0.03	
Dungeness ...	29.77	65	SW	1	cg	29.79	-0.3	64	63	0	SW	1	o	1	70	62	0.11	
London ...	29.75	66	S	1	o	29.81	+0.1	61	60	-7	S	1	o	*	75	58	0.06	
Oxford ...	29.73	64	S	3	r	29.78	0.0	59	57	-1	Z	0	o	*	70	56	0.11	
Cambridge ...	29.76	69	S	1	r	29.80	+0.3	62	60	-4	SW	1	o	*	80	59	0.05	
Yarmouth ...	29.77	67	ESE	2	c	29.78	-0.5	64	63	-1	SW	4	o	1	69	62	0.23	
Cuxhaven ...	29.96	67	S	2	b	29.93	-0.5	66	61	+4	ESE	2	b	*	75	59	-	
Berlin ...	29.99	69	SE	2	b	30.02	-0.2	61	56	0	ESE	2	b	*	73	55	-	
Wiesbaden ...	*	*	*	*	*	29.98	-0.1	62	59	+1	Z	0	b	*	79	55	-	
Munich ...	30.05	62	SE	1	b	30.09	+0.3	62	58	+3	SW	1	b	*	75	50	-	
GERMANY.																		
The Helder ...	29.84	71	ESE	1	b	29.86	-1.0	67	64	+3	SE	1	o	1	77	64	0.08	
Brussels ...	*	*	*	*	*	29.83	-0.8	70	65	+6	S	3	o	*	82	68	-	
Cape Gris Nez...	29.78	67	Z	0	o	29.80	-0.3	64	63	-8	SW	1	c	0	81	61	0.16	
Paris ...	29.82	77	S	1	bc	29.89	-0.3	66	64	+5	SW	3	r	*	84	?	0.04	
Brest ...	29.77	63	SW	4	o	29.78	-0.1	60	58	-2	ESE	4	o	5	72	50	0.24	
Lorient ...	29.79	66	SW	5	r	29.80	-0.4	64	63	-2	SW	3	r	5	70	61	0.08	
Rockfort ...	29.89	68	W	3	c	29.89	-0.2	64	64	+2	ESE	3	o	2	81	59	0.20	
Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lyons ...	29.89	75	S	1	b	29.96	-0.3	67	63	+6	S	3	c	*	82	60	-	
Nice ...	29.99	71	SSW	1	bc	30.04	+0.3	69	63	+1	E	1	bc	1	79	63	-	
Perpignan ...	29.99	69	NE	3	o	29.93	-0.6	74	72	+8	NE	3	b	*	76	65	-	
Biarritz ...	29.85	70	W	5	o	29.83	-0.5	68	66	+4	Z	0	m	5	79	?	-	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lisbon ...	29.94	69	SW	5	bc	29.91	-0.8	69	67	+1	SW	4	o	5	75	66	-	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Saturday, 27<sup>th</sup> August

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 —

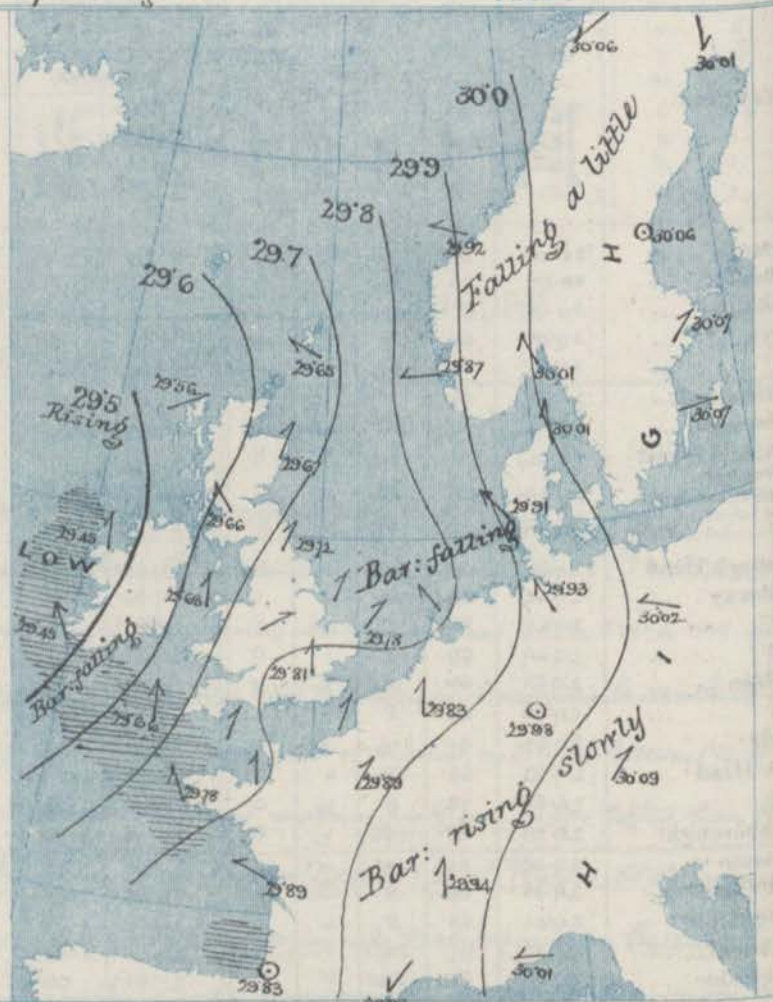
→ = forces above 10; → = forces 8 to 10;  
 → = forces 5 to 7; → = forces 1 to 4;  
 ○ = dead calm.

**Sea Disturbance** — where considerable is shown thus  
 [Hatched Box] = Rough. [Solid Box] = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.808
Stornoway	29.800
Wick	29.822
Nairn	29.829
Aberdeen	29.835
Leith	29.852
Shields	29.876
York	29.905
Ardrossan	29.856
Donaghadee	29.868
Holyhead	29.893
Liverpool	29.898
Valencia	29.908
Roche's Point	29.908
Pembroke	29.910
Seilly	29.951
Hurst Castle	29.949
Dover	29.945
LONDON	29.913
Oxford	29.929
Cambridge	29.929
Yarmouth	29.928



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

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

**Weather** — is shown by Letters of the Beaufort Scale.

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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.	At 8 p.m.	
Sumburgh Head	58.3	48.8	54.1	52.4	3.21
Stornoway	58.5	49.2	55.8	53.0	3.57
Wick	61.3	48.7	55.6	53.6	2.35
Nairn	63.6	50.6	56.0	53.1	2.81
Aberdeen	63.0	50.7	56.8	53.9	3.13
Leith	66.3	52.2	58.1	56.2	2.62
Shields	63.7	53.2	58.0	55.8	2.81
York	68.2	51.8	58.7	56.0	2.47
Ardrossan	63.7	54.0	57.8	55.0	4.08
Donaghadee	61.2	52.6	57.3	55.9	2.99
Holyhead	65.2	55.7	58.9	56.9	2.89
Liverpool	66.3	54.7	59.2	56.1	2.79
Valencia	65.4	54.7	59.8	57.1	4.65
Roche's Point	67.5	54.7	59.4	56.8	3.59
Pembroke	64.4	56.4	59.4	57.1	2.91
Seilly	65.4	57.8	61.3	59.3	2.45
Hurst Castle	67.0	56.8	61.7	59.8	2.31
Dover	67.3	58.2	63.3	59.6	2.06
LONDON	72.3	54.2	61.9	58.5	2.20
Oxford	69.6	53.9	59.8	57.3	2.33
Cambridge	71.0	52.8	60.7	57.9	2.25
Yarmouth	66.9	55.7	61.4	58.5	2.17

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.0 in: and upwards, over Sweden, the Baltic, Germany and the southeast of France.  
Lowest, 29.5 in: and less in a depression lying over and to the westward of Ireland.  
Shallow subsidiary disturbances are at present lying off the east and south of England.

## TEMPERATURE

Highest, 74° at Biarritz, 70° at Brussels, 69° at Lissabon and Lisbon, 68° at Biarritz, 67° at Lyons, and 66° at Copenhagen and Paris.  
Lowest, 43° at Haparanda, 50° at Rode, 55° at Helsingfors, and Lumburg 114, and 57° at Visby and Stornoway.  
[During yesterday the thermometer rose to 76° at Leith and Loughboro', 80° at Cambridge, and 81° at Naim.]

## WIND

Chiefly S. or S.E., but variable in Sweden and the south of France.  
Light or moderate in force generally, but fresh or strong at a few of our western stations.

## WEATHER

Dull over the south of our Islands and the north of France, with rain in several places and heavy thunder at Valencia.  
Fair or fine in all other localities.  
Rain fell generally yesterday, and lightning was seen in the south of Ireland at night.

## SEA

Rather rough at Mullaghmore, Valencia and Dublin, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the west and the subsidiary disturbances in the south and east will probably move northwards, but other systems are very likely to appear over our Islands shortly, and the general appearance is indicative of a continuance of unsettled showery weather.

## FORECASTS

for the 24 hours ending at NOON on 28<sup>th</sup> AUGUST 1887.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	S <sup>ly</sup> winds, moderate; fair generally but perhaps some showers.
1	SCOTLAND EAST	.....D.....D.....D.....
2	ENGLAND N.E.	.....D.....D.....D.....
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	Same as N° 5.
5	ENGLAND SOUTH	S <sup>ly</sup> winds, light; cloudy generally, with some rain and possibly thunder

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	S <sup>ly</sup> winds, moderate; cloudy, some showers
7	ENGLAND N.W.	.....D.....D.....D.....
8	ENGLAND S.W.	S <sup>ly</sup> and S.W. winds, moderate or fresh; changeable, some showers.
9	IRELAND NORTH	.....D.....D.....D.....
10	IRELAND SOUTH	.....D.....D.....D.....

### WARNINGS

NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.95	68	59	SE 2	6	2	Holyhead ...	29.57	63	60	SSE 5	gpm	5
Lumburgh Head ...	29.79	56	54	SE 1	0	2	Valencia ...	29.43	64	61	SEW 5	up	5
Stornoway ...	29.50	?	?	S 3	0	3	Scilly ...	29.59	65	63	WSE 3	c	5
Aberdeen ...	29.65	62	58	SE 4	6	1	Dungeness ...	29.79	70	66	SE 2	bc	1
Shields ...	29.65	64	60	ESE 3	0	2	London ...	29.77	73	64	SEW 3	od	*
Ardrossan ...	29.55	63	59	ESE 1	0	1	Yarmouth ...	29.81	68	64	SSE 3	b	2
Malin Head ...	29.33	60	60	S 5	0	3	Jersey ...	29.75	69	65	SSE 4	0	4
Mullaghmore ...	29.33	60	58	SE 4	0	3	Rochefort ...	29.88	77	72	N 5	c	2
Belmullet ...	29.40	59	56	SE 3	0	*							

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

Yesterday morning's reports showed that pressure was highest (29.9 ins. to a little above 30.0 ins.) over Northern, Central, and Southern Europe, with the Mediterranean, while it was lowest and decreasing over Ireland and Central Russia. There was a depression off the west of Ireland, travelling to the northward, and at the same time spreading eastwards in the form of a "hollow". The wind was S<sup>W</sup> and SE<sup>W</sup> over the British Isles and west of France, and blew strongly at the extreme western stations, with a good deal of cloud and rain in several places. Over Central, Southern and northern Europe, however, calms and variable air prevailed, with finer weather, though thunderstorms had occurred in the south and west of France during the night. Temperature varied from between 80° and 86° in some parts of Algeria and from between 70° and 80° over the greater part of the Mediterranean to rather below 50° over Northern Europe. The decrease from the former to the latter regions, however, was not very uniform, as over Austria, Germany, and the west of Russia the values were lower than in the regions lying to the westward and eastward of them. The highest individual values reported were 86° at Sfax and 80° at Biskra (Algeria) 79° at Bilbao, 78° at Groningen, and 72° at C. Spis. The lowest were 47° at Uleaborg, 48° at Kuopio, 49° at Hodo and 52° at Lumburgh H<sup>d</sup>.

Later in the day rain fell very generally over the British Isles, and in some localities the fall was considerable. The air was very close over 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 Sunday 28<sup>th</sup> August

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.	
			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	30.02	50	Z	0	b	30.00	-01	57	24	+8	SW	4	c	*	61	37	-	
Hernösand	30.06	56	Z	0	bc	30.00	-06	57	54	+2	Z	0	b	*	68	45	-	
Stockholm	30.12	57	SE	2	bc	30.15	+08	63	59	+3	SE	2	bc	*	72	52	0.04	
Wisby	30.12	58	S	4	b	30.16	+09	59	56	0	SW	4	b	*	68	45	-	
Bodö	30.03	50	Z	0	o	29.87	-19	55	51	+5	ENE	6	b	3	?	43	-	
Christiansund	29.89	64	E	1	c	29.74	-18	61	56	+4	SE	1	o	1	68	57	-	
Skudesnaes	29.82	62	ESE	4	r	29.82	-05	58	57	-5	SSE	4	rf	4	?	?	-	
Christiania Fjord (Færder)	30.03	62	ESE	2	bc	29.91	-10	62	58	0	SE	3	r	2	64	61	-	
Skagen (The Scaw)	30.00	61	S	1	c	29.91	-10	61	59	0	S	4	o	3	64	59	0.12	
Fanö	29.91	63	SE	4	r	29.88	-03	65	62	+3	SSE	2	c	*	75	61	0.08	
BRITISH ISLANDS.																		
Sumburgh Head	29.71	59	Z	0	f	29.70	+05	52	52	-3	Z	0	f	2	60	47	0.16	
Stornoway	29.60	63	SW	2	c	29.57	+01	59	57	0	SE	4	o	3	66	51	-	
Wick	29.66	60	S	2	c	29.67	+06	59	56	-1	S	2	b	1	63	57	-	
Nairn	29.64	65	SSW	1	bc	29.65	+03	64	60	0	Z	0	b	1	75	54	-	
Aberdeen	29.70	61	S	4	bc	29.72	+05	58	57	-5	SSW	1	m	0	70	49	-	
Leith	29.68	68	S	1	b	29.68	+01	69	61	+4	S	1	b	*	74	52	-	
Shields	29.71	62	SE	2	bm	29.73	+01	58	55	-4	SSW	1	bcwm	2	69	54	-	
Spurn Head	29.76	65	SSE	3	b	29.76	+01	61	61	-2	SSE	2	cm	2	67	58	-	
York	29.73	68	S	1	b	29.75	00	61	58	+3	SSE	1	b	*	72	55	-	
Loughborough	29.76	70	SSW	3	bc	29.76	-02	59	58	0	SE	2	cm	*	75	53	-	
Ardrossan	29.66	64	SSE	2	bc	29.63	-03	64	60	+4	SE	3	o	2	70	53	-	
Malin Head	29.57	58	S	3	o	29.50	-02	61	61	+2	S	4	cm	2	70	58	0.21	
Mullaghmore	29.49	62	SE	5	c	29.48	00	62	58	-1	SE	5	c	3	68	59	0.18	
Belinulet	29.43	62	SSE	3	o	29.44	-01	62	59	0	S	3	b	*	67	56	0.07	
Donaghadee	29.64	61	S	5	c	29.61	00	58	58	-2	SSW	5	o	3	65	58	0.05	
GERMANY.																		
Barrow-in-Furness	29.70	67	NE	2	bc	29.69	-01	63	59	+5	ESE	5	bc	*	69	58	-	
Liverpool (Bidston)	29.69	67	SSW	2	o	29.70	-03	60	59	+3	ESE	2	bc	3	72	54	-	
Holyhead	29.67	64	S	3	b	29.64	-04	65	60	+4	S	3	bm	5	70	60	-	
Parsonstown	29.52	63	SE	1	c	29.53	-02	62	59	-1	S	2	b	*	70	57	0.21	
Valencia	29.43	63	SSE	5	c	29.46	+01	62	61	+1	SSE	5	c	5	65	59	0.34	
Roche's Point	29.69	64	SSW	5	p	29.50	-06	64	62	0	SSW	4	bc	4	67	60	0.20	
Pembroke	29.68	64	S	3	bc	29.64	-05	62	60	+1	S	3	bc	4	64	54	-	
Scilly	29.65	65	S	5	c	29.60	-06	62	61	-3	S	5	cp	5	68	59	0.16	
Prawle Point	29.77	64	ESE	2	bc	29.67	-11	61	61	+2	SSE	4	c	4	66	57	-	
Jersey	29.79	67	SSE	2	c	29.76	-03	66	62	+2	SSW	2	cg	2	70	59	-	
FRANCE & NETHERLANDS.																		
Hurst Castle	29.80	64	SSW	2	c	29.75	-06	66	64	+1	SSW	2	c	1	68	60	-	
Dungeness	29.84	65	SW	1	c	29.75	-04	62	62	-2	Z	0	r	0	66	61	0.24	
London	29.81	67	SSW	1	c	29.76	-05	67	64	+6	S	1	c	*	73	60	0.07	
Oxford	29.80	63	S	2	b	29.75	-03	60	60	+1	S	1	cm	*	71	58	-	
Cambridge	29.79	67	S	1	bc	29.77	-03	63	63	+1	SSW	1	r	*	73	59	0.01	
Yarmouth	29.82	65	S	3	c	29.77	-01	64	63	0	SSE	3	or	2	68	61	0.07	
Cuxhaven	29.91	64	ESE	1	r	29.89	-04	66	64	0	E	2	f	*	76	60	0.05	
Berlin	30.00	70	SE	1	b	30.02	00	63	58	+2	SE	2	f	*	79	57	-	
Wiesbaden	*	*	*	*	*	29.93	-05	69	63	+7	Z	0	b	*	82	59	-	
Munich	30.06	63	NE	2	b	30.03	-06	63	59	+1	SE	3	bc	*	79	50	-	
ITALY.																		
The Helder	29.88	65	W	1	o	29.80	00	66	64	-1	E	1	o	1	73	64	-	
Brussels	*	*	*	*	*	29.77	-06	66	65	-4	SW	1	o	*	78	61	0.16	
Cape Gris Nez	29.84	67	SW	3	bc	29.76	-04	64	64	0	SE	1	r	0	73	63	0.39	
Paris	29.84	70	N	1	bc	29.81	-08	64	64	-2	SSW	3	o	*	75	62	-	
Brest	29.77	61	SW	4	o	29.75	-03	62	61	+2	S	5	o	5	72	50	-	
Lorient	29.83	64	SSW	4	c	29.77	-03	64	63	0	SW	4	c	4	70	61	0.08	
Rocheport	29.88	68	WNW	1	o	29.83	-06	65	65	+1	SSW	4	f	2	81	64	0.08	
Belfort	*	75	SSW	1	b	29.92	-04	71	60	+4	S	5	c	*	81	66	-	
Lyons	30.03	69	Z	0	b	30.04	00	74	61	+5	Z	0	b	0	82	63	-	
Nice	29.88	74	E	7	bc	29.93	00	74	69	0	SE	5	o	*	82	69	-	
Perpignan	29.82	72	NW	4	c	29.88	+02	66	64	-2	SE	4	o	2	79	63	0.75	
Biarritz	*	*	*	*	*	29.83	-02	63	?	-1	S	4	o	1	75	59	0.08	
Corunna	29.93	66	SSW	1	r	29.99	+08	65	63	-4	NSW	1	o	5	73	63	0.08	
Lisbon	*	*	*	*	*	29.99	+08	65	63	-4	NSW	1	o	5	73	63	0.08	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Sunday 28<sup>th</sup> August 1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

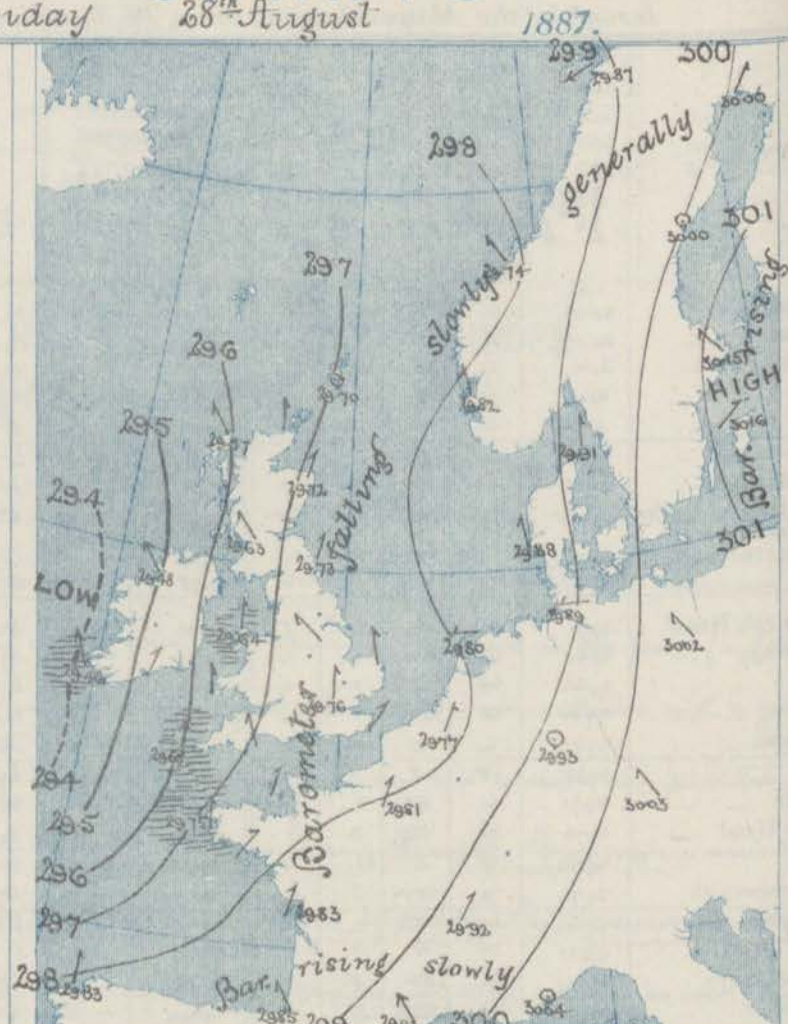
**Barometer**—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind**—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus—  
 → = forces above 10; → = forces 8 to 10;  
 → = forces 5 to 7; → = forces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

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head.	29.806
Stornoway.	29.800
Wick.	29.822
Nairn.	29.829
Aberdeen.	29.835
Leith.	29.852
Shields.	29.876
York.	29.905
Ardrossan.	29.856
Donaghadee.	29.868
Holyhead.	29.893
Liverpool.	29.898
Valencia.	29.908
Roche's Point.	29.908
Pembroke.	29.910
Scilly.	29.951
Hurst Castle.	29.949
Dover.	29.945
LONDON.	29.913
Oxford.	29.929
Cambridge.	29.929
Yarmouth.	29.928



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

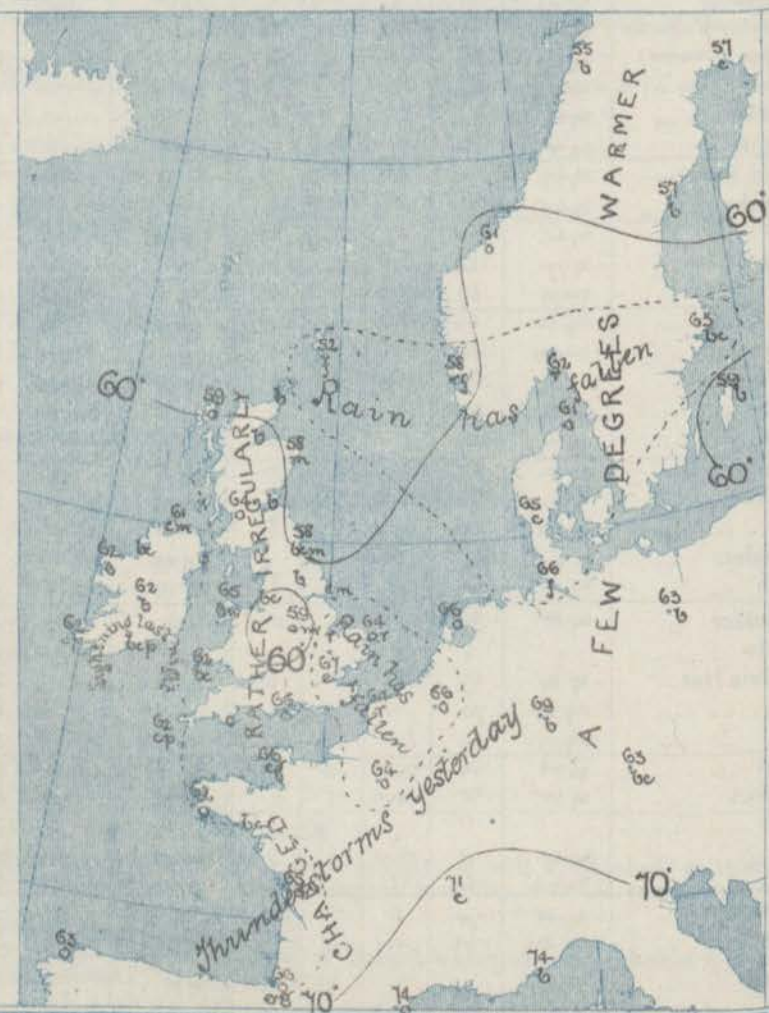
**Temperature**—Isotherms are drawn for each 10° Changes since previous morning are stated in words.  
**Weather**—is shown by Letters of the Beaufort Scale.  
**Rainfall**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	58.3	48.8	54.1	52.4	3.21
Stornoway	58.5	49.2	55.8	53.9	3.57
Wick	61.3	48.7	55.6	53.6	2.35
Nairn	63.6	50.6	56.0	53.1	2.81
Aberdeen	63.0	50.7	56.8	53.9	3.13
Leith	66.3	52.2	58.1	55.2	2.62
Shields	63.7	53.2	58.0	55.3	2.81
York	68.2	51.8	58.7	56.0	2.47
Ardrossan	62.7	54.0	57.8	55.0	4.08
Donaghadee	61.2	52.6	57.3	55.9	2.99
Holyhead	65.2	55.7	58.9	56.9	2.89
Liverpool	66.3	54.7	59.2	56.1	2.79
Valencia	65.4	54.7	59.8	57.1	4.65
Roche's Point	67.5	54.7	59.4	56.8	3.59
Pembroke	64.4	56.4	59.4	57.1	2.91
Scilly	65.4	57.8	61.3	59.3	2.45
Hurst Castle	67.9	56.8	61.7	59.8	2.31
Dover	67.3	58.2	63.3	59.6	2.06
LONDON	72.3	54.2	61.9	58.6	2.20
Oxford	69.6	53.9	59.8	57.3	2.33
Cambridge	71.9	52.8	60.7	57.9	2.25
Yarmouth	66.9	55.7	61.4	58.5	2.17

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, over the Baltic. Lowest, 29.5 ins: and less, in the west of Ireland. A shallow depression is apparently lying off the south-east of England.
TEMPERATURE	Highest, 74° at Nice and Perpignan, 71° at Lyons, 69° at Wiesbaden and 67° in London. Lowest, 52° at Sunnburgh H., 55° at Porto, 57° at Haparanda and Haparanda, and 58° at Aberdeen, Shields and Donaghadee. The highest maxima registered yesterday were 75° at Naini, and Loughborough, 74° at Leith, and 73° in London and at Cambrige.
WIND	Chiefly S. or S.E., fresh in force at some of our western and southern stations, but light or moderate elsewhere.
WEATHER	Fine in Scotland and also in Sweden and Germany, but changeable and showery elsewhere. [Showers fell yesterday in many parts of the United Kingdom, thunderstorms occurred in France and lightning was seen at Rochefort.]
SEA	Rather rough at our extreme southwestern stations as well as at Holyhead, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No important change has occurred since yesterday. The depression off the west of Ireland seems to be almost stationary, but small shallow depressions are advancing over France and our southeastern district occasionally showers at intervals.

## FORECASTS

for the 24 hours ending at NOON on 29<sup>th</sup> AUG: 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

The S. cone was hoisted last evening in districts. An asterisk is inserted against the districts where the signals are flying.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.88	65	57	E	6	c	3	Holyhead ...	29.69	69	62	S	4	b	3
Sumburgh Head ...	29.70	50	50	ESE	1	m	4	Valencia ...	29.45	65	62	SSE	6	om	5
Stornoway ...	29.61	64	61	W	4	bc	3	Scilly ...	29.67	68	66	S	5	bc	5
Aberdeen ...	29.70	65	60	S	3	b	1	Dungeness ...	29.85	62	61	SW	1	o	1
Shields ...	29.73	67	61	SE	3	c	2	London ...	29.81	70	62	SSE	2	bc	*
Ardrossan ...	29.66	69	63	ESE	2	bc	1	Yarmouth ...	29.82	66	65	S	2	or	1
Malin Head ...	29.50	66	66	SE	5	o	3	Jersey ...	29.87	70	65	S	3	b	3
Mullaghmore ...	29.49	65	60	SE	5	p	3	Rochefort ...	29.89	80	75	SSE	2	c	2
Belmullet ...	29.45	66	60	SSW	3	c	*								

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

The reports for yesterday morning showed that pressure varied from between 29.3 ins: and 30.1 ins: over the whole of Southern, Central, and Northern Europe to about 29.5 ins: off the coast of Ireland and to rather below 29.7 ins: over Central Russia. Thus, while S<sup>2</sup> (SE to SW) breezes and warm showery weather prevailed over Western and Northwestern Europe, accompanied by thunderstorms at times over the southern part of France, calm, and variable air with fine weather were felt within the region of highest pressure, and N<sup>2</sup> air with rather cold weather over Russia and Eastern Germany. Temperature ranged from below 80° and 84° over Algeria, and from between 75° and 80° over the Mediterranean to rather below 50° over Northern Europe. It was also higher over the British Isles, the Netherlands and eastern shores of the North Sea than over Central and Eastern Europe. The highest individual readings recorded were 85° at Palma, 84° at Biskra (Algeria), 79° at Malta, 78° at Barcelona, 77° at Bilbao, and 75° at Cagliari, Brindisi, and Sangüinaria, and 70° at Buerak; the lowest were 46° at Uleaborg, 45° at Kuopio and Haparanda, and 52° at Hango, and 53° at St. Petersburg.

Later in the day temperature rose to between 80° and 85° over England, where the air was close and oppressive, and some rain fell over the British Islands at all but the northeastern stations.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for

Monday 29<sup>th</sup> August

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.	
			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 ..	29.90	55	Z	0	0	29.82	-18	57	56	0	Z	0	0	*	61	45	-	
Hernösand ..	29.94	60	SSW	4	0	29.87	-18	58	57	+1	SSW	6	0	*	66	50	0.08	
Stockholm ..	30.10	61	S	4	0	29.97	-18	68	61	+5	S	4	60	*	72	52	-	
Wisby ..	30.13	57	SE	4	0	29.97	-19	66	59	+7	S	6	6	*	73	54	-	
Bodo ..	29.80	53	Z	0	0	29.75	-12	54	53	-1	Z	0	0	0	53	50	0.04	
Christiansund ..	29.82	61	WNW	3	1	29.70	-04	55	54	-6	WNW	2	1	2	61	54	-	
Skudesnaes ..	29.77	58	SSE	2	1	29.59	-23	60	59	+2	Z	0	0	2	?	57	0.16	
Christiania Fjord (Farder) ..	29.86	62	SSE	2	1	29.69	-24	62	60	0	SE	3	0	2	63	61	0.63	
Skagen (The Sow) Faro ..	29.76	62	S	3	0	29.65	-26	62	60	+1	S	3	0	3	66	43	0.12	
Faro ..	29.75	66	SW	4	0	29.65	-23	65	64	0	SW	2	0	*	62	61	0.24	
BRITISH ISLANDS.																		
Sumburgh Head ..	29.70	57	SE	2	0	29.58	-12	53	53	+1	E	1	1	2	63	50	0.02	
Stornoway ..	29.55	61	SW	8	0	29.46	-11	58	58	-1	SW	2	1	3	63	49	0.04	
Wick ..	29.60	58	S	3	0	29.51	-16	55	54	-4	S	1	1	1	67	53	0.01	
Nairn ..	29.59	62	Z	0	1	29.47	-18	57	56	-7	Z	0	1	1	78	52	0.16	
Aberdeen ..	29.65	61	SE	1	0	29.51	-21	57	57	-1	SE	1	1	1	70	55	-	
Leith ..	29.59	68	S	1	0	29.50	-18	59	58	-10	SE	1	0	*	77	57	0.10	
Shields ..	29.63	59	ESE	2	0	29.52	-21	59	57	+1	SW	1	0	2	64	54	0.08	
Spurn Head ..	29.68	64	SE	4	0	29.59	-17	63	60	+2	S	3	0	2	66	58	-	
York ..	29.64	73	SE	1	0	29.56	-19	63	59	+2	S	3	0	*	77	58	-	
Loughborough ..	29.65	74	SW	3	0	29.60	-16	60	58	+1	SW	3	0	*	79	58	0.02	
GERMANY.																		
Arrossan ..	29.57	65	S	1	0	29.47	-16	58	57	-6	E	2	0	1	66	53	0.36	
Malin Head ..	29.44	61	S	3	0	29.42	-08	57	57	-4	S	3	0	1	67	56	0.06	
Mullaghmore ..	29.45	63	SE	2	0	29.43	-05	60	57	-2	SE	2	0	2	70	53	0.01	
Belmullet ..	29.42	63	S	2	0	29.43	-01	59	57	-3	W	2	0	*	69	56	0.05	
Donaghadee ..	29.55	60	SE	3	0	29.48	-13	59	58	+1	SW	3	0	2	66	56	0.05	
IRELAND.																		
Barrow-in-Farress ..	29.61	65	NE	3	0	29.50	-19	60	59	-3	SSE	3	0	*	72	59	0.07	
Liverpool (Bidston) ..	29.62	65	S	1	0	29.54	-16	59	57	-1	S	2	0	2	74	57	0.09	
Holyhead ..	29.60	66	SSW	3	0	29.52	-12	60	59	-5	SW	3	0	2	70	57	0.19	
Parsonstown ..	29.49	62	SSE	3	0	29.50	-03	60	58	-2	SW	2	0	*	67	55	0.22	
Valencia ..	29.45	62	WNW	4	0	29.54	+08	63	61	+1	W	3	0	3	66	58	0.36	
FRANCE & NETHERLANDS.																		
Roche's Point ..	29.51	63	S	4	0	29.55	+05	62	58	-2	W	3	0	3	67	58	0.30	
Pembroke ..	29.60	59	S	4	0	29.58	-06	61	58	-1	WNW	3	0	4	65	57	0.26	
Scilly ..	29.59	65	SSW	5	0	29.64	+04	63	62	+1	WNW	3	0	4	69	58	0.24	
Prawle Point ..	29.68	61	S	4	0	29.70	+03	61	60	0	WNW	5	0	5	68	51	0.12	
Jersey ..	29.72	67	W	1	0	29.75	-01	64	61	-2	SW	4	0	4	70	61	0.42	
SPAIN.																		
Hurst Castle ..	29.72	65	SW	3	0	29.68	-07	63	62	-3	SW	6	0	2	71	58	0.02	
Dungeness ..	29.73	64	SW	2	0	29.71	-04	63	61	+1	SW	5	0	4	67	61	0.03	
London ..	29.72	68	S	1	0	29.68	-08	63	60	-4	SW	2	0	*	77	58	0.02	
Oxford ..	29.70	66	S	2	0	29.63	-12	62	59	+2	SW	4	0	*	75	59	0.16	
Cambridge ..	29.71	72	SSW	1	0	29.65	-12	61	60	-2	S	1	0	*	76	56	0.02	
YARROW.																		
Yarmouth ..	29.73	64	SE	2	1	29.67	-10	64	61	0	SW	3	0	2	66	59	0.11	
AFRICA.																		
Cuxhaven ..	29.77	83	SW	3	1	29.72	-17	75	74	+9	SW	3	0	*	84	63	0.14	
Berlin ..	29.91	74	SSE	2	0	29.83	-19	68	60	+5	SSE	2	0	*	82	63	-	
Wiesbaden ..	*	*	*	*	*	29.91	-02	66	63	-3	SW	1	0	*	84	64	-	
Munich ..	29.96	68	E	2	0	30.01	-02	66	62	+3	SW	4	0	*	81	57	-	
ASIA.																		
The Helder ..	29.75	67	SW	1	0	29.69	-11	64	62	-2	SW	3	0	3	70	63	0.20	
Brussels ..	*	*	*	*	*	29.81	+04	61	?	-5	SW	3	0	*	74	61	?	
Cape Gris Nez ..	29.74	64	SW	2	0	29.75	-01	62	61	-2	SW	7	0	5	68	61	0.32	
Paris ..	29.80	69	S	3	0	29.91	+10	61	50	-3	SW	3	0	*	?	57	0.39	
Brest ..	29.74	64	S	4	0	29.78	+03	59	58	-3	SW	5	0	5	73	?	0.24	
AMERICA.																		
Lorient ..	29.78	66	WNW	5	0	29.83	+06	65	63	+1	SW	5	0	5	72	61	0.08	
Rochefort ..	29.91	68	W	5	0	30.00	+17	64	63	-1	WNW	5	0	2	70	59	0.83	
Belfort ..	29.97	73	W	1	0	30.04	+12	64	58	-	W	3	0	*	81	57	0.16	
Lyons ..	29.81	74	S	5	1	30.04	+12	64	61	-7	ESE	1	0	*	80	57	0.91	
Nice ..	29.98	77	E	1	0	29.97	-07	71	62	-3	Z	0	0	3	86	57	0.08	
AFRICA.																		
Perpignan ..	29.84	74	SE	5	1	30.04	+11	64	62	-10	Z	0	0	*	85	59	0.20	
Biarritz ..	29.90	72	Z	0	0	30.03	+18	64	63	-2	SW	3	0	5	75	61	0.28	
AMERICA.																		
Corunna ..	*	*	*	*	*	30.11	+17	67	65	+2	Z	0	0	5	73	64	-	
Lisbon ..	30.11	68	WNW	4	0	30.16	+17	67	65	+2	Z	0	0	5	73	64	-	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Monday, 29<sup>th</sup> August

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 August  
 During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.806
Stornoway	29.800
Wick	29.822
Nairn	29.829
Aberdeen	29.835
Leith	29.852
Shields	29.876
York	29.905
Ardrossan	29.856
Donaghadee	29.868
Holyhead	29.893
Liverpool	29.898
Valencia	29.908
Roche's Point	29.908
Pembroke	29.910
Seilly	29.951
Hurst Castle	29.949
Dover	29.945
LONDON	29.913
Oxford	29.929
Cambridge	29.929
Yarmouth	29.928



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

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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	58.3	48.8	54.1	52.4	3.21
Stornoway	58.5	49.2	55.8	53.9	3.57
Wick	61.3	48.7	55.6	53.6	2.35
Nairn	63.6	50.6	56.0	53.1	2.81
Aberdeen	63.0	50.7	56.8	53.9	3.13
Leith	66.3	52.2	58.1	55.2	2.02
Shields	63.7	53.2	58.0	55.3	2.81
York	68.2	51.8	58.7	56.0	2.47
Ardrossan	62.7	54.0	57.8	55.0	4.08
Donaghadee	61.2	52.6	57.3	55.9	2.99
Holyhead	65.2	55.7	58.9	56.9	2.89
Liverpool	66.3	54.7	59.2	56.1	2.79
Valencia	65.4	54.7	59.8	57.1	4.65
Roche's Point	67.5	54.7	59.4	56.8	3.59
Pembroke	64.4	56.4	59.4	57.1	2.01
Seilly	65.4	57.8	61.3	59.3	2.45
Hurst Castle	67.9	56.8	61.7	59.8	2.31
Dover	67.3	58.2	63.3	59.0	2.06
LONDON	72.3	54.2	61.9	58.5	2.20
Oxford	69.6	53.9	59.8	57.3	2.33
Cambridge	71.9	52.8	60.7	57.9	2.25
Yarmouth	66.9	55.7	61.4	58.5	2.17

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 in. and upwards, over Spain; relatively, high 29.9 in. and upwards over the Baltic.  
Lowest, 29.5 in. and less, in a large depression lying over Scotland and the north of Ireland.

A large subsidiary "hollow" has been developed over the North Sea, while small shallow disturbances are moving across the south of England.

## TEMPERATURE

Highest, 75° at Copenhage, 71° at Nice, 68° at Stockholm, 67° at Lisbon, 66° at Usterby, and 65° at Faro and Lorient.

Lowest, 53° at Lumburgh H., 54° at Bordeaux, 55° at Christiansund and Wist, and 57° at Hafnarfjörður, Naime, and Aberdeen.

The highest maxima registered yesterday were 73° at Doughton, 78° at Naime and 77° at Leith, York and in London.

## WIND

Fresh S.W. over the south of our Islands and the north of France.

Light S. in Scotland; moderate to strong from the same quarter in Scandinavia.

Calm or light variable in the south of France.

## WEATHER

Foggy in the north and east of Scotland and showery in most other parts of the United Kingdom.

Cloudy in Scandinavia; fair over the greater part of France.

[Showers fell generally yesterday, with thunder and lightning in many parts of the United Kingdom.]

## SEA

Rather rough at many of the Channel stations, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The old high pressure system over the Baltic is giving way while the new anticyclone over Spain is inclined to spread northwards.

A complete change in the type of pressure distribution is therefore in progress, and while unsettled showery weather is likely over the more northern parts of the United Kingdom an improvement is probable over the southern districts.

## FORECASTS

For the 24 hours ending at NOON on 30<sup>th</sup> August

1887.

### DISTRICTS.

### FORECASTS.

0 SCOTLAND  
NORTH

S.W. winds, light; cloudy, some rain, fog locally.

1 SCOTLAND  
EAST

----- D° ----- D° ----- D° -----

2 ENGLAND  
N.E.

SW<sup>ly</sup> winds, light or moderate; changeable, some showers, thunder locally.

3 ENGLAND  
EAST

SW<sup>ly</sup> winds, fresh; fair generally, but some showers.

4 MIDLAND  
COUNTIES

----- D° ----- D° ----- D° -----

5 ENGLAND  
SOUTH

----- D° ----- D° ----- D° -----

### DISTRICTS.

### FORECASTS.

6 SCOTLAND  
WEST

Same as N° 0

7 ENGLAND  
N.W.

Same as N° 2

8 ENGLAND  
S.W.

Same as N° 5

9 IRELAND  
NORTH



SW<sup>ly</sup> and W<sup>ly</sup> moderate; fair generally, but some showers.

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.
Stadenæs ...	29.85	60	57	SSW 2	0	3	Holyhead ...	29.62	70	62	SSW 3	6	4
Sunburgh Head ...							Valencia ...						
Stormway ...	29.57	62	60	Z 0	0	3	Scilly ...						
Aberdeen ...							Dungeness ...	29.74	65	64	SSW 2	0	1
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...	29.47	66	65	S 3	0	2	Jersey ...	29.76	66	63	SW 2	0	2
Mullaghmore ...							Rochefort ...	29.89	67	66	SSW 5	0	2
Belmullet ...	29.43	68	61	S 2	60	*							

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

The reports for yesterday morning showed that pressure then varied from 30.1 in + more over Poland, Eastern Germany & part of the Baltic to a little below 29.5 in the extreme west of Ireland, so that the gradients over Western Europe were favourable for S<sup>W</sup> (S. to S.W.) winds. These winds were consequently prevalent, and blew somewhat strongly at our western stations. They were accompanied by squally showers, weather generally, and thunderstorms had occurred in most places over France & Belgium. Temperature ranged from between 80° and 84° over some parts of Algeria and from between 70° and 80° over the greater part of the Mediterranean to rather below 50° over Northern Russia. It was higher over the southern and eastern shores of the North Sea than on our north and east coasts. Over England the air was clear and oppressive. The highest individual readings were, 84° at Algiers and 81° at Oran (Algeria), 82° at Palma, 79° at Caphari, 78° at Barcelona & Malta, 75° at Brindisi & 73° at Livorno & Leghorn; the lowest were 44° at Archangel, 45° at Klenburg, 50° at Moscow and 51° at St. Petersburg.

Later in the day the air became still clear over England and showers fell in most localities in the United Kingdom.

## SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 21<sup>st</sup> TO THE 27<sup>th</sup> AUGUST 1887.

During the greater part of last week fair dry weather continued in all but the extreme western parts of the United Kingdom, but at the close of the period unsettled conditions were becoming very general.

At the commencement of the time an anticyclone moved steadily eastwards over Ireland, England and France, and in its rear a series of depressions began to appear off the Irish and Scottish coasts. Light N<sup>W</sup> breezes therefore gave place to winds from the S. or S.W. and showers set in at some of the Irish stations.

By Tuesday the main portion of the anticyclone had reached Germany, but on Thursday it extended northwards over Sweden and the Baltic. The type of pressure distribution was therefore S in all parts of Western Europe and light S<sup>W</sup> or S<sup>W</sup> breezes, with fine warm weather prevailed over nearly all parts of Great Britain as well as over the Continent. In Ireland, however, where conditions were influenced by depressions moving northwards outside our west coast, showers were frequent and the weather somewhat cooler. On Thursday night, when a somewhat deep disturbance appeared in the west, a slight gale was experienced at some of the Irish stations.

On Saturday pressure began to recover in the extreme west, but shallow disturbances appeared off the coast and south of England, and showers with local thunderstorms were experienced in many parts of the country.

Temperature was rather low at the commencement of the week, but afterwards rose steadily. On the 25<sup>th</sup> & 26<sup>th</sup> maxima exceeding 80° were recorded in many parts of Great Britain.

## 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 30<sup>th</sup> August

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 ..	29.76	55	2	0	0		29.59	- .23	59	57	+ 2	SE	3	0	*	61	54	0.35	
Hernösand ...	29.69	58	S	2	0		29.53	- .34	60	58	+ 2	SEW	4	6	+	61	55	0.35	
Stockholm ...	29.83	63	SE	4	6		29.77	- .20	66	60	- 2	SW	6	6c	+	72	57	-	
Wisby ...	29.80	68	S	6	6		29.84	- .15	65	61	- 1	SW	6	6c	+	75	53	-	
Bodö ...	29.61	52	ENE	1	6		29.25	- .50	60	55	+ 6	E	6	0	3	?	50	0.20	
Christiansund...	29.34	54	NE	4	7		29.21	- .49	52	51	- 3	SWW	8	7	3	57	48	0.16	
Skudesnaes ...	29.49	57	SW	4	0		29.48	- .11	59	57	- 1	SSE	6	0	4	61	57	1.06	
Christiania Fjord (Færder)	29.55	60	SW	7	0		29.57	- .10	60	58	- 2	SW	6	0	4	63	57	0.08	
Skagen (The Scaw)	29.63	61	W	8	0		29.63	- .02	60	59	- 2	SW	4	0	3	66	59	0.12	
Faßø ...	29.71	61	SW	4	6		29.69	+ .04	63	62	- 2	SW	4	0	*	66	61	0.04	
BRITISH ISLANDS.																			
Sumburgh Head	29.44	53	NE	1	7		29.30	- .28	54	54	+ 1	2	0	6	1	54	51	0.14	
Stornoway ...	29.36	60	2	0	0		29.24	- .22	57	57	- 1	SW	5	0	4	63	55	0.14	
Wick ...	29.34	56	S	1	6		29.29	- .22	58	56	+ 3	S	1	6c	0	59	50	-	
Nairn ...	29.38	59	2	0	7		29.30	- .17	57	55	0	2	0	0	1	64	50	0.20	
Aberdeen...	29.39	60	SW	1	6		29.34	- .17	61	57	+ 4	SW	3	6	1	63	53	0.01	
Leith ...	29.42	61	SE	2	6		29.38	- .12	58	56	- 1	W	2	0p	*	69	57	0.20	
Shields ...	29.48	64	SW	3	0		29.46	- .06	58	57	- 1	SW	1	0p	1	66	56	0.21	
Spurn Head ...	29.58	60	SW	3	6c		29.57	- .02	62	59	- 1	SW	5	6c	2	68	57	0.08	
York ...	29.55	65	WSW	2	0		29.54	- .02	61	57	- 2	W	4	6	*	69	56	0.03	
Loughborough	29.62	63	WSW	1	0		29.64	+ .04	61	57	+ 1	W	4	6	*	72	57	0.05	
Ardrossan ...	29.43	61	SW	2	0		29.41	- .06	58	56	0	SW	5	cq p	4	65	53	0.08	
Malin Head ...	29.39	62	W	2	0		29.36	- .06	56	56	- 1	SW	4	oq p	3	67	55	0.13	
Mullaghmore ...	29.45	59	SW	2	0		29.43	- .00	57	54	- 3	SW	4	cm	3	66	54	0.14	
Belmullet ...	29.44	61	SW	4	0		29.41	- .02	60	56	+ 1	SW	2	6	*	64	56	0.20	
Donaghadee ...	29.48	60	SW	3	0		29.47	- .01	60	57	+ 1	WSW	4	6c	3	67	57	0.08	
Barrow-in-Furness	29.53	62	S	5	0		29.52	+ .02	59	56	- 1	SW	6	cq	*	64	57	0.08	
Liverpool (Bidston)	29.56	63	SW	4	0		29.59	+ .05	60	55	+ 1	SW	2	6c	3	69	57	-	
Holyhead ...	29.55	61	SW	5	0		29.57	+ .05	58	56	- 2	SW	5	cq	5	65	56	0.14	
Parsonstown ...	29.52	62	SW	2	0		29.54	+ .04	59	56	- 1	S	2	6c	*	67	54	0.10	
Valencia ...	29.55	61	SW	5	7		29.52	- .02	62	59	- 1	SW	5	6c	6	74	54	0.11	
Roche's Point...	29.59	63	SW	4	6c		29.60	+ .05	62	59	0	SW	3	6c	4	65	56	0.12	
Pembroke ...	29.63	61	WSW	4	6c		29.66	+ .08	61	58	0	SW	5	6c p	5	64	59	0.03	
Seilly ...	29.70	65	WSW	3	0		29.73	+ .09	61	60	- 2	SW	4	0p	4	68	58	0.07	
Prawle Point ...	29.71	61	SW	3	6		29.79	+ .09	61	60	0	WSW	4	0	4	64	57	0.18	
Jersey ...	29.78	67	S	4	0		29.84	+ .09	64	61	0	WSW	4	6c m	3	67	61	0.24	
Hurst Castle ...	29.74	63	SW	6	m		29.79	+ .11	63	63	0	WSW	6	0	5	67	58	0.17	
Dungeness ...	29.75	62	SW	5	0		29.73	+ .02	64	61	+ 1	WSW	5	0	4	68	61	0.86	
London ...	29.71	65	SW	4	0		29.73	+ .05	63	59	0	WSW	3	6c	*	73	59	0.10	
Oxford ...	29.69	63	SW	3	0		29.71	+ .08	62	59	0	SW	2	6	*	72	58	-	
Cambridge ...	29.68	67	W	2	6c		29.69	+ .04	63	58	+ 2	SW	3	6c	*	75	57	0.07	
Yarmouth ...	29.69	64	SW	2	0		29.66	- .01	63	61	- 1	WSW	5	0	3	66	59	0.37	
Cuxhaven ...	29.80	60	SW	3	7		29.79	+ .07	61	61	- 14	SW	3	7	*	67	59	0.28	
Berlin ...	29.94	67	SW	2	0		29.98	+ .15	64	60	- 4	S	2	6	*	62	57	-	
Wiesbaden ...	30.00	*	*	*	*		30.00	+ .09	63	60	- 3	2	0	0	*	70	?	-	
Munich ...	30.14	60	SW	1	0		30.14	+ .13	63	59	- 3	SW	1	6c	*	70	52	0.08	
FRANCE & NETHERLANDS.																			
The Helder ...	29.75	64	SW	5	6c		29.69	- .00	64	63	0	SW	5	0	4	68	63	0.20	
Brussels ...	29.78	65	WSW	8	7		29.83	+ .02	64	60	+ 3	SW	3	0	*	71	62	0.12	
Cape Gris Nez...	29.78	65	WSW	8	7		29.76	+ .01	61	61	- 1	SW	8	6c	6	68	61	0.39	
Paris ...	29.93	69	SW	4	0		29.95	+ .04	63	60	+ 2	SW	3	0	*	73	61	0.08	
Brest ...	29.81	63	SW	5	0		29.91	+ .13	61	60	+ 2	W	4	0	4	73	58	0.08	
Lorient ...	29.88	66	SW	4	0		29.91	+ .08	64	61	- 1	WSW	5	0	5	66	59	0.16	
Roche fort ...	30.02	68	SW	5	0		30.07	+ .07	66	66	+ 2	WSW	5	0	2	72	63	-	
Belfort ...	30.03	70	E	1	6		30.10	+ .06	61	60	- 3	SE	1	6	*	75	55	-	
Lyons ...	29.96	64	2	3	6c		30.05	+ .08	70	64	- 5	E	1	6	*	86	57	-	
Nice ...	30.03	68	NE	3	6		30.11	+ .07	63	62	+ 4	W	3	6	*	80	59	-	
Perpignan ...	30.06	77	SE	3	6		30.14	+ .11	69	67	+ 5	WSW	4	0	2	79	?	-	
Biarritz ...	30.16	70	W	1	6		30.15	- .01	68	66	+ 1	N	1	0	5	73	64	-	
Corunna ...																			
Lisbon ...																			

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts.



# WEATHER CHARTS

for 8 a.m. on Tuesday, 30<sup>th</sup> August

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.

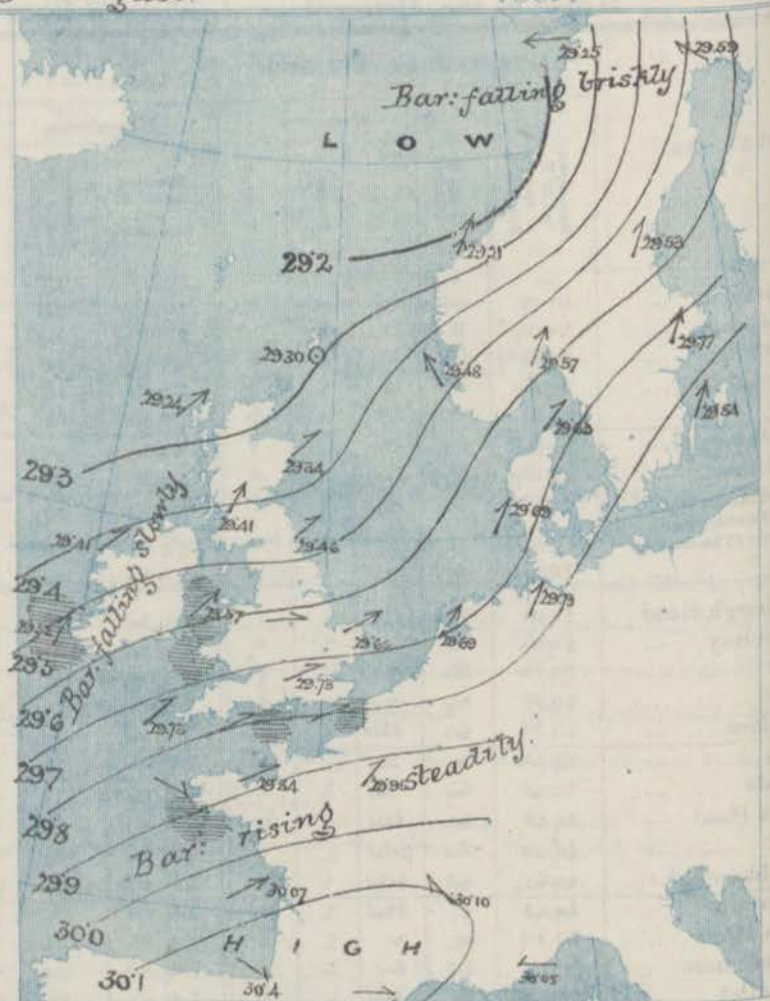
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.806
Stornoway	29.800
Wick	29.822
Nairn	29.820
Aberdeen	29.835
Leith	29.852
Shields	29.876
York	29.906
Ardrossan	29.856
Donaghadee	29.868
Holyhead	29.893
Liverpool	29.898
Valencia	29.908
Rocha's Point	29.908
Pembroke	29.910
Scilly	29.951
Hurst Castle	29.949
Dover	29.945
LONDON	29.913
Oxford	29.929
Cambridge	29.929
Yarmouth	29.928



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

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

**Weather** — is shown by Letters of the Beaufort Scale.

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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of August.

STATIONS	TEMPERATURE				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Day.	Night.	
Sumburgh Head	58.3	48.8	54.1	52.4	3.21
Stornoway	58.5	49.2	55.8	53.9	3.57
Wick	61.3	48.7	55.6	53.6	2.35
Nairn	63.0	50.6	56.0	53.1	2.81
Aberdeen	63.0	50.7	56.8	53.9	3.13
Leith	60.3	52.2	58.1	56.2	2.62
Shields	63.7	53.2	58.0	55.3	2.81
York	68.2	51.8	58.7	56.0	2.47
Ardrossan	62.7	54.0	57.8	55.0	4.08
Donaghadee	61.2	52.6	57.3	55.9	2.99
Holyhead	65.2	55.7	58.9	56.9	2.89
Liverpool	60.3	54.7	59.2	56.1	2.79
Valencia	65.4	54.7	59.8	57.1	4.65
Rocha's Point	67.5	54.7	59.4	56.8	3.59
Pembroke	64.4	56.4	59.4	57.1	2.91
Scilly	65.4	57.8	61.3	59.3	2.45
Hurst Castle	67.9	56.8	61.7	59.8	2.31
Dover	67.3	58.2	63.3	59.6	2.06
LONDON	72.3	54.2	61.9	58.5	2.20
Oxford	69.6	53.9	59.8	57.3	2.33
Cambridge	71.9	52.8	60.7	57.9	2.25
Yarmouth	66.9	55.7	61.4	58.5	2.17

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 more over Spain, the south of France and South Germany.  
Lowest, about 29.2 ins: off the north coast of Norway and to the northward of the Hebrides.  
Gradients moderate, but increasing. Barometer falling at Valencia, rising over Spain, France, and over SE<sup>m</sup> countries.

## TEMPERATURE

Highest, 70° at Nice, 69° at Biarritz, 66° at Stockholm, 64° at Copenhagen.  
Lowest, 52° at Christiansund, 54° at Lumburg Head, 57° at Stornoway, and 58° at Shields.  
Its distribution has not changed much during the past twenty-four hours.

## WIND

Fresh W<sup>2</sup> over Bay of Biscay, SW<sup>2</sup> over British Isles, and SSW<sup>2</sup> moderate, on the eastern shore of the North Sea.  
At Valencia and Balmullet it has backed a little since yesterday.

## WEATHER

Fair at present in the southeast and south, cloudy elsewhere, with passing showers.  
[Rain has fallen at all our own stations during the past 24 hours, and thunderstorms have occurred in several places.]

## SEA

Rather rough in the west and south, moderate in the north, slight in the east.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Although there is at present no decided indication of bad weather, the falling of the barometer and backing wind in the west of Ireland point to the approach of further showers at all events, and to some increase in the force of the wind.

The Reports from the United States show that there is an important depression over the Atlantic, and this may be advancing towards our western coasts.

## FORECASTS

for the 24 hours ending at NOON on 31<sup>st</sup> August

1887.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	SW <sup>2</sup> and S <sup>2</sup> winds, moderate or fresh; showery
1	SCOTLAND EAST	-----D°-----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>2</sup> and S <sup>2</sup> winds, fresh; squally, showery, but with bright intervals.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	SW <sup>2</sup> and S <sup>2</sup> breezes, fresh or strong; squally, showery.
7	ENGLAND N.W.	-----D°-----D°-----D°-----
8	ENGLAND S.W.	-----D°-----D°-----D°-----
9	IRELAND NORTH	-----D°-----D°-----D°-----
10	IRELAND SOUTH	-----D°-----D°-----D°-----

### WARNINGS

NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.47	59	58	NW 2	r	2	Holyhead ...	29.56	63	60	SW 4	cqm	3
Sumburgh Head ...	29.48	55	53	SE 1	f	2	Valencia ...	29.58	64	61	SW 4	o	4
Stornoway ...	29.40	60	59	SW 1	ou	3	Scilly ...	29.68	68	66	W 3	c	4
Aberdeen ...	29.44	59	58	S 2	cm	1	Dungeness ...	29.75	67	63	SW 5	c	2
Shielda ...	29.50	61	58	SW 1	c	2	London ...	29.69	72	63	WSW 4	cp	*
Ardrossan ...	29.44	62	59	E 1	b	0	Yarmouth ...	29.68	61	59	SW 3	ctlr	2
Malin Head ...	?	61	61	W 2	o	0	Jersey ...	29.80	66	64	SW 4	o	4
Mullaghmore ...	29.44	64	59	SW 2	c	2	Rocheport ...	30.05	69	68	SW 7	c	2
Belmullet ...	29.45	64	59	W 2	o	*							

## GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Yesterday morning's reports show that pressure then varied from a little above 30.1 ins. both in Russia and the southern parts of Spain and from a little above 30.0 ins. over Germany, Austria and the south of France to rather below 29.5 ins. over the NW part of the British Isles. Gradients were consequently favourable for S to W winds, and were moderate generally. The winds reported were moderate to fresh in force; they were chiefly S to the eastward of the North Sea, and SW to W over the United Kingdom. The weather was showery generally, and thunderstorms had again occurred in several places — chiefly in the west and south of France. Temperature varied from between 70° and 80° over the Mediterranean and Algeria to between 55° and 65° over the British Isles and North Sea and to a rather lower value over Central and Northern Russia. The highest individual values were 80° at Trieste and Oran (Algeria), and also at Cagliari, 78° at Malta, 77° at Brindisi and Barcelona, 75° at Shiraz, 73° at Palermo and Livorno, 71° at Moscow and 68° at Stockholm; the lowest were 49° at Moscow, 50° at Archangel, 53° at Sumburgh Hd., 54° at Rode and Kharkov, and 57° in the E. of Sweden.

During the day there was no important change of weather reported.

## 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 31<sup>st</sup> AUGUST 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.	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.				
<b>SCANDINAVIA.</b>																			
Haparanda ...	29.53	59	S	6	bc	29.48	Inc.	57	56	2	SW	6	0	*	59	54	—		
Hernösand ...	29.52	59	S	4	b	29.49	— .04	59	58	1	S	2	bc	*	66	55	0.04		
Stockholm ...	29.75	63	S	2	0	29.73	— .04	65	59	1	SSW	4	bc	*	73	57	—		
Wisby ...	29.83	63	S	4	bc	29.79	— .05	64	62	1	SW	4	c	*	73	59	0.04		
Bodö ...	29.18	54	Z	0	0	29.34	+ .09	52	50	8	SW	5	0	3	61	50	0.35		
Christiansund ...	29.41	54	NE	1	f	29.39	+ .18	56	54	4	ESE	1	bc	1	?	50	0.16		
Skudesnaes ...	29.45	58	SSE	6	r	29.41	— .07	58	56	1	SE	6	0	4	61	?	0.16		
Christiania Fjord (Fjorder)	29.53	60	SSE	3	r	29.58	+ .01	60	58	0	SSW	3	0	3	61	59	0.08		
Skagen (The Scaw)	29.60	60	W	2	b	29.60	— .03	60	59	0	SSW	3	0	2	64	57	0.04		
Fanö ...	29.71	60	SW	6	b	29.58	— .11	59	58	4	SSE	6	c	*	66	59	0.32		
<b>BRITISH ISLANDS.</b>																			
Sumburgh Head	29.29	54	Z	0	f	29.30	00	54	54	0	Z	0	f	1	57	48	0.01		
Stornoway ...	29.29	60	SW	5	bc	29.23	— .01	57	56	0	E	2	bc	1	64	46	0.16		
Wick ...	29.38	56	W	1	bc	29.24	— .05	56	55	2	E	1	bc	0	62	41	—		
Nairn ...	29.33	60	SW	1	bc	29.22	— .08	55	54	2	Z	0	0	1	67	49	0.01		
Aberdeen ...	29.36	64	WSW	2	b	29.23	— .11	57	55	4	SSW	2	c	2	69	53	0.02		
Leith ...	29.40	59	W	3	c	29.19	— .19	59	57	1	SSW	1	cmu	*	68	53	0.19		
Shields ...	29.46	63	SW	3	c	29.23	— .23	60	57	2	SSW	2	c	2	68	55	0.06		
Spurn Head ...	29.55	67	SW	2	bc	29.33	— .24	62	59	0	SSW	6	bcq	3	70	57	0.06		
York ...	29.53	63	SSW	4	c	29.29	— .25	60	57	1	S	2	r	*	70	55	0.27		
Loughborough	29.58	64	SSW	4	c	29.33	— .31	58	57	3	SSW	4	r	*	72	56	0.24		
Ardrossan ...	29.37	60	SSW	1	0	29.20	— .21	57	56	1	SSW	1	0	1	63	51	0.28		
Malin Head ...	29.26	59	S	3	0	29.19	— .07	56	55	0	WNW	2	op	2	65	54	0.27		
Mullaghmore	29.24	60	SSE	5	om	29.25	— .18	57	55	0	WNW	4	op	4	65	53	0.13		
Belmullet ...	29.22	56	SW	1	0	29.24	— .07	55	55	5	WNW	4	ru	*	65	55	0.85		
Donaghadee ...	29.36	60	SSW	3	c	29.24	— .23	55	54	5	WSW	3	0	2	69	50	0.33		
Barrow-in-Furness	29.43	62	SE	4	0	29.26	— .26	59	56	0	SW	4	bc	*	64	58	0.01		
Liverpool (Bidston)	29.46	58	SE	1	r	29.31	— .28	58	55	2	WSW	3	bc	4	70	55	0.32		
Holyhead ...	29.41	59	S	5	cpa	29.32	— .25	57	55	1	WSW	5	cpq	5	65	54	0.01		
Parsonstown ...	29.28	61	Z	0	0	29.36	— .18	58	55	1	WNW	2	0	*	67	52	0.29		
Valencia ...	29.29	61	WSW	5	cp	29.52	00	58	56	4	WNW	4	cp	4	64	54	0.21		
Roche's Point...	29.35	62	SW	4	bc	29.48	— .12	59	56	3	WNW	4	bc	4	63	55	0.46		
Pembroke ...	29.43	60	SSW	5	bc	29.42	— .24	60	57	1	W	7	bcq	6	64	56	0.49		
Scilly ...	29.51	63	SSW	6	c	29.60	— .13	62	61	1	W	6	cpq	?	65	?	0.19		
Prawle Point ...	29.63	60	SW	7	0	29.57	— .22	60	58	1	SW	7	b	Y	64	56	0.53		
Jersey ...	29.78	65	WSW	3	opq	29.70	— .14	64	59	0	WSW	7	bcu	5	71	58	0.36		
Hurst Castle ...	29.68	62	WSW	8	r	29.54	— .25	61	60	2	WSW	7	cpq	6	63	55	1.03		
Dungeness ...	29.76	63	SW	4	0	29.52	— .21	63	60	1	WSW	7	0	5	67	61	0.23		
London ...	29.67	62	SW	4	op	29.49	— .24	62	57	1	WSW	6	bc	*	71	56	0.71		
Oxford ...	29.58	60	S	5	0	29.44	— .27	57	55	5	SW	6	opq	*	71	56	0.15		
Cambridge ...	29.62	64	S	3	r	29.40	— .29	62	58	1	SW	4	0	*	75	55	0.24		
Yarmouth ...	29.66	68	SSW	5	cp	29.44	— .22	62	59	1	SW	6	cpq	4	70	68	0.45		
Cuxhaven ...	29.71	60	SW	5	b	29.67	— .12	61	60	0	SSW	4	0	*	66	59	0.32		
Berlin ...	29.91	71	Z	0	c	29.86	— .12	67	60	3	SW	2	c	*	79	63	—		
Wiesbaden ...	*	*	*	*	*	29.87	— .13	62	59	1	SW	2	c	*	77	57	—		
Munich ...	30.10	65	SE	1	c	30.05	— .09	64	62	1	W	1	bc	*	73	55	—		
<b>FRANCE &amp; NETHERLANDS.</b>																			
The Helder ...	29.75	63	SW	5	r	29.52	— .17	61	60	3	SSW	7	r	4	68	59	0.08		
Brussels ...	*	*	*	*	*	29.67	— .16	62	58	2	SSW	5	0	*	70	60	0.16		
Cape Gris Nez...	29.76	64	SW	7	0	29.57	— .19	62	60	1	WSW	8	c	6	66	59	0.12		
Paris ...	29.89	70	SSW	3	bc	29.87	— .14	61	59	2	SW	4	0	*	76	61	—		
Brest ...	29.73	62	S	7	r	29.76	— .15	60	58	1	SW	8	0	6	72	57	0.35		
Lorient ...	29.86	66	WNW	8	0	29.81	— .10	63	59	1	W	7	bc	6	70	59	0.95		
Rochefort ...	30.03	68	WSW	5	c	29.97	— .10	64	63	2	W	5	0	2	73	59	0.08		
Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Lyons ...	30.02	75	SSW	1	b	29.97	— .13	67	62	6	S	1	b	*	81	60	—		
Nice ...	30.04	69	Z	0	b	30.04	— .01	69	66	1	Z	0	b	0	79	63	—		
Perpignan ...	30.01	75	NE	3	b	29.98	— .13	68	64	0	NE	3	b	*	86	59	—		
Biarritz ...	30.02	70	N	4	b	30.01	— .13	70	68	1	SW	4	c	2	77	66	—		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Lisbon ...	30.08	68	NNW	7	b	30.06	— .09	68	64	0	NNW	5	b	?	79	64	—		

For Explanation of Columns, see p. 4. + Received too late for insertion in Chart



# WEATHER

# CHARTS

for 8 a.m. on Wednesday, 31<sup>st</sup> August.

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 —

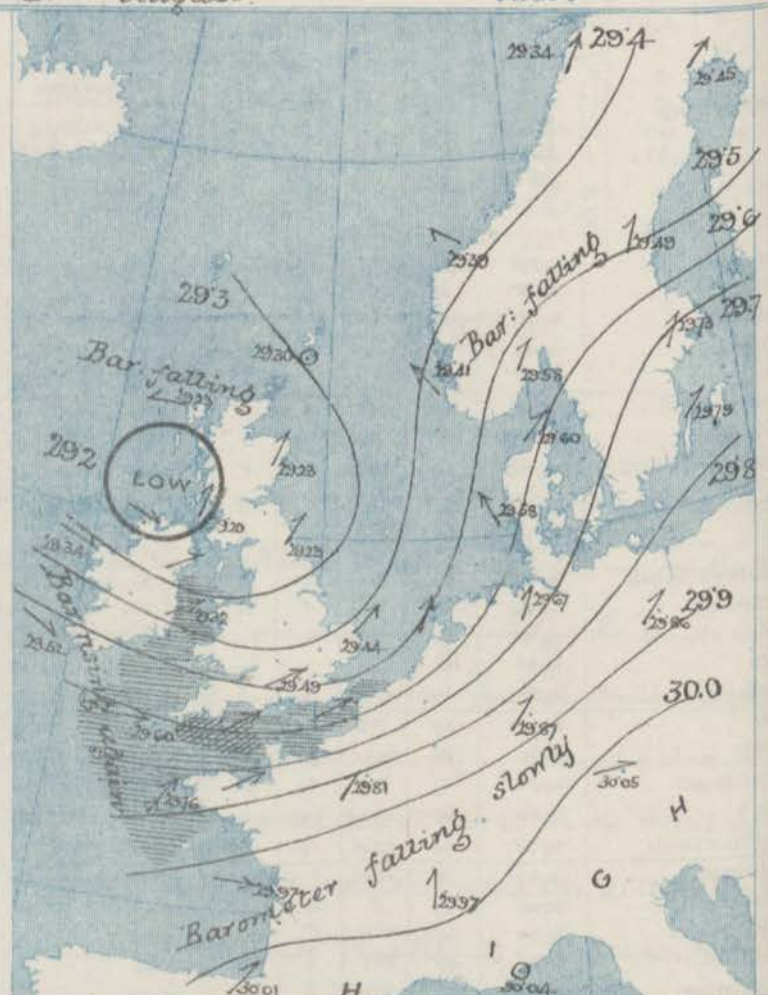
→ = forces above 10; →→ = forces 8 to 10;  
 →→ = forces 5 to 7; → = forces 1 to 4;  
 ○ = dead calm.

**Sea Disturbance** — where considerable is shown thus  
 ■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.806
Stornoway	29.800
Wick	29.822
Nairn	29.829
Aberdeen	29.835
Leith	29.852
Shields	29.876
York	29.905
Ardrossan	29.856
Donaghadee	29.808
Holyhead	29.893
Liverpool	29.893
Valencia	29.908
Roche's Point	29.908
Pembroke	29.910
Scilly	29.951
Hurst Castle	29.949
Dover	29.945
LONDON	29.913
Oxford	29.929
Cambridge	29.929
Yarmouth	29.928



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

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

**Weather** — is shown by Letters of the Beaufort Scale.

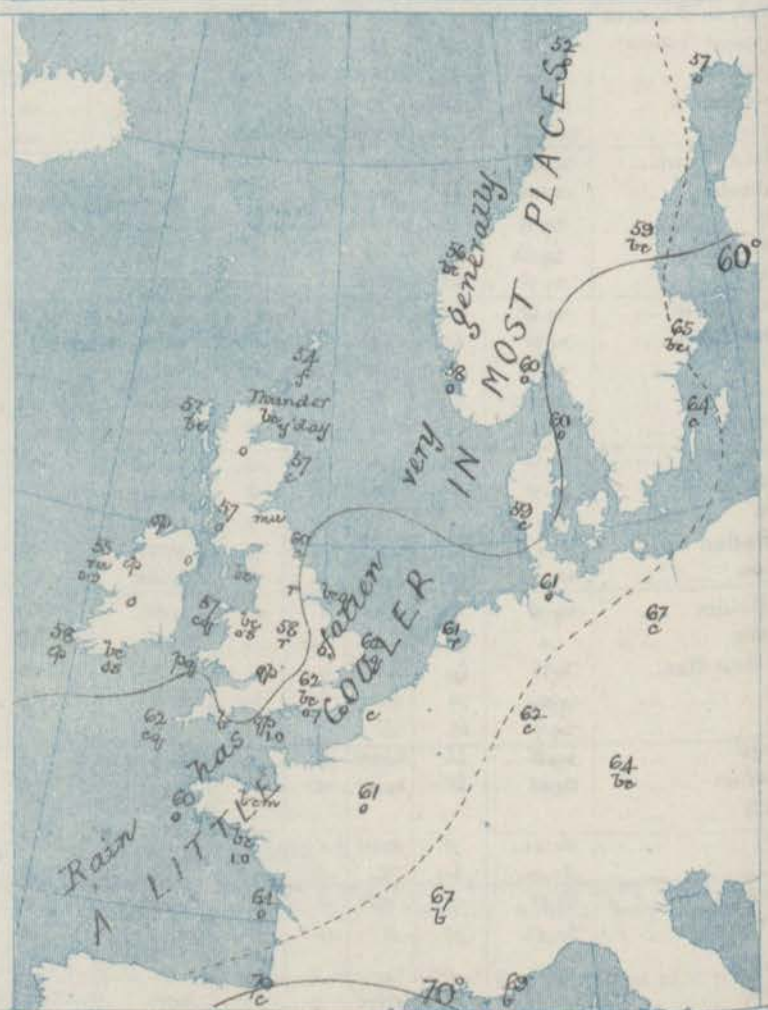
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of August.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	A t 8 a.m.	At 5 p.m.	
			Dry.	Wet.	
Sumburgh Head	58.3	48.8	54.1	52.4	3.21
Stornoway	58.5	49.2	55.8	53.9	3.57
Wick	61.3	48.7	55.6	53.6	2.35
Nairn	63.6	50.6	56.0	53.1	2.81
Aberdeen	63.0	50.7	56.8	53.9	3.13
Leith	66.3	52.2	58.1	55.2	2.62
Shields	63.7	53.2	58.0	55.3	2.81
York	68.2	51.8	58.7	56.0	2.47
Ardrossan	62.7	54.0	57.8	55.0	4.08
Donaghadee	61.2	52.6	57.3	55.9	2.99
Holyhead	65.2	55.7	58.9	56.9	2.89
Liverpool	66.3	54.7	59.2	56.1	2.79
Valencia	65.4	54.7	59.8	57.1	4.65
Roche's Point	67.5	54.7	59.4	56.8	3.59
Pembroke	64.4	56.4	59.4	57.1	2.91
Scilly	65.4	57.8	61.3	59.3	2.45
Hurst Castle	67.9	56.8	61.7	59.8	2.31
Dover	67.3	58.2	63.3	59.6	2.06
LONDON	72.3	54.2	61.9	58.5	2.20
Oxford	69.6	53.9	59.8	57.3	2.33
Cambridge	71.9	52.8	60.7	57.9	2.35
Yarmouth	66.9	55.7	61.4	58.5	2.17

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.0 in. and more, in the south of France, and about 29.8 in. over the southern part of the Baltic.  
Lowest, 29.2 in. and less, in a depression off the west of Scotland and extreme north of Ireland.  
Gradients rather steep in south only, slight in north. Barometer rising briskly in southwest.

## TEMPERATURE

Highest, 70° at Birmm, 69° at Nice, 68° at Lisbon, 65° at Stockholm and 62° in London.  
Lowest, 52° at Bodo, 54° at Lumburgh Head, 55° at Belmullet, 57° at Holyhead and 58° at Valencia.  
It is lower in most places than it was yesterday.

## WIND

Very light from E. in the north of Scotland. Strong S.W. and S. on our eastern coasts and in Holland.  
Strong to a moderate gale in the Channel, south of England, north of France and Bay of Biscay.  
[It blew a fresh gale from S.W. in some squalls in the Bristol Channel yesterday afternoon and in the English Channel during the night.]

## WEATHER

Unsettled generally; sky is at present clear in some places, cloudy, squally, and showery in others.  
[Rain has fallen generally - heavily over the southwestern & southern districts & at Liverpool. Thunder has occurred at Bristol.]

## SEA

High at Broule Point, rough in the English and Irish Channels, moderate off the west of Ireland, Holland and our east coasts, slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now rising briskly in the southwest, and as there is at present no indication of the advance of any new depression from the Atlantic a gradual improvement of the weather in Ireland, England and France is likely, with lower temperature.

## FORECASTS

For the 24 hours ending at NOON on 1<sup>st</sup> SEPTEMBER 1887.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	Varying light breezes; showery, unsettled.
1	SCOTLAND EAST	.....D°.....D°.....D°.....
2	ENGLAND N.E.	SW <sup>4</sup> & W <sup>3</sup> winds, moderate or fresh; showery.
3	ENGLAND EAST	SW <sup>4</sup> & W <sup>3</sup> winds, strong to fresh; showery.
4	MIDLAND COUNTIES	.....D°.....D°.....D°.....
5	ENGLAND SOUTH	SW <sup>4</sup> and W <sup>3</sup> winds, strong, squally; showery to fair and cooler.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	W <sup>3</sup> winds, strong to moderate; showery.
7	ENGLAND N.W.	.....D°.....D°.....D°.....
8	ENGLAND S.W.	.....D°.....D°.....D°.....
9	IRELAND NORTH	NW <sup>4</sup> to SW <sup>3</sup> breezes, moderate; showery to fair.
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 ...	29.49	60	59	SSE	6	0	4	Holyhead ...	29.53	65	60	SSW	5	bg	5
Sumburgh Head ...	29.32	55	55	Z	0	f	1	Valencia ...	29.36	63	59	S	6	0	5
Stornoway ...	29.28	63	60	SW	5	apq	4	Scilly ...	29.63	64	63	SW	6	0	5
Aberdeen ...	29.34	67	59	WSW	4	bc	1	Dungeness ...	29.80	65	62	WSW	5	c	4
Shields ...	29.48	66	58	SSW	4	c	2	London ...	29.75	68	60	SSW	5	0	*
Ardrossan ...	29.28	63	59	SSW	3	c	2	Yarmouth ...	29.69	70	61	W	4	bc	3
Malin Head ...	29.34	63	63	SSW	3	0	3	Jersey ...	29.85	67	62	SSW	4	0	3
Mullaghmore ...	29.34	62	56	S	5	cv	4	Rochefort ...	30.09	69	68	WSW	5	c	2
Belmullet ...	29.31	63	58	SSW	4	bc	*								

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

The reports for yesterday morning showed that pressure was highest (30.3 in. and upwards) over Central Russia, but relatively high (30.1 in. and upwards) over Spain. The lowest readings, 29.2 in. and less, were found in a large depression which was lying off the northwest of Norway, but another disturbance was apparently advancing towards the west of Ireland. Light variable airs were reported over Southern Europe, but elsewhere the wind was chiefly SW<sup>ly</sup> and on the west coast of our islands and Norway it blew freshly or strongly. The weather was fair on the whole, but a good deal of cloud prevailed over our islands & the neighbouring countries, with showers in many places. Temperature had changed little and irregularly, and readings ranged from 45° and upwards over Algeria and South Italy, to 55° or less over Central Russia and the extreme north of the British Islands. The highest individual readings were 84° at Sfax, 81° at Cagliari, 79° at Algiers and Barcelona, 78° at Malta and 77° at La Calle and Brindisi; the lowest were 51° at Moscow and Charkov, 52° at Archangel and Christiansund, 53° at Neen and 54° at Sumburgh Head.

In the course of the day a large and rather deep depression advanced to our extreme west coast and occasioned a considerable increase in the force of the wind in the west and south of our islands, with heavy rain in many places. Over the Channel a fresh SW<sup>ly</sup> gale was experienced 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).

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# CORRECTIONS AND ADDITIONS TO THE REPORTS FOR AUGUST 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.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
1	Wishby.....	30.02	68	ESC	2	b	29.86	-19	68	65	-7	E	4	c	2	81	63	0.04	
"	Corunna....	"	"	"	"	"	30.12	+02	68	63	+3	NNE	3	b	4	72	61	-	
"	Lisbon.....	30.01	69	NW	5	bc	30.08	+08	70	-	+6	NNE	3	b	2	82	61	-	
3	Brussels....	"	"	"	"	"	30.35	+10	58	-	-4	NW	1	e	"	75	52	-	
"	Biarritz.....	30.21	72	NW	4	0	30.22	+05	68	-	-4	WSW	4	b	2	75	66	-	
5	Brussels....	"	"	"	"	"	30.36	00	59	-	0	NNE	3	c	"	72	48	-	
7	Brussels....	"	"	"	"	"	30.57	+41	70	-	+3	SW	1	bc	"	85	58	-	
9	Brussels....	"	"	"	"	"	30.11	-10	67	-	+1	WSW	3	b	"	75	?	-	
"	Corunna....	"	"	"	"	"	30.31	+14	70	68	+1	W	1	f	4	86	63	-	
10	Lander.....	29.35	58	W	5	b	29.39	-02	55	49	-2	NW	5	bc	3	63	52	-	
11	Corunna....	"	"	"	"	"	29.95	-36	69	65	-1	NNE	1	f	4	85	63	-	
12	Corunna....	"	"	"	"	"	29.82	-13	67	-	-2	NNE	7	0	7	75	61	-	
13	Corunna....	x	"	"	"	"	29.87	+05	64	62	-3	NNE	8	0	7	72	59	-	
18	Lander....	29.75	62	WSW	2	b	29.76	+02	57	52	+2	NNE	5	b	1	63	55	-	
"	Brussels....	"	"	"	"	"	29.70	-15	55	-	?	NW	1	T	"	69	55	2.09	
"	Belfort....	29.56	65	S	1	0	29.76	-20	51	-	-9	W	4	T	"	70	49	0.28	
"	Corunna....	"	"	"	"	"	29.87	-30	66	60	+2	W	1	bc	bc	70	55	-	
19	Corunna....	"	"	"	"	"	30.18	+31	62	59	-4	NNE	1	bc	A	73	52	-	
20	Corunna....	"	"	"	"	"	30.02	-16	66	66	+4	NW	3	0	0	73	57	-	
22	Belfort....	30.02	50	W	3	T	30.15	-	49	-	-	SW	3	b	T	62	39	0.04	
"	Lyon.....	30.06	60	NW	3	bc	30.13	+18	51	-	-2	N	4	b	"	63	49	0.04	
"	Corunna....	"	"	"	"	"	29.91	-15	68	62	+1	NNE	1	b	2	77	54	-	
24	Belfort....	30.05	65	E	1	b	30.03	-	62	62	-	E	3	b	"	69	46	-	
"	Corunna....	"	"	"	"	"	29.97	-	63	-	-	W	1	0	0	77	57	-	
25	Corunna....	"	"	"	"	"	30.01	+04	69	-	+6	SW	1	bc	3	75	-	-	
26	Corunna....	"	"	"	"	"	29.87	-14	69	67	0	S	7	0	4	79	44	-	
27	Corunna....	"	"	"	"	"	29.85	-02	64	63	-5	S	4	0	?	?	?	0.47	
28	Corunna....	"	"	"	"	"	29.96	+13	70	69	+7	S	4	0	4	72	61	0.12	
30	Corunna....	"	"	"	"	"	30.13	+17	66	64	-4	WSW	3	0	4	75	59	0.12	
31	Corunna....	"	"	"	"	"	30.08	-05	69	65	+3	WSW	1	m	4	77	61	0.81	



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. ins.	Air Temperature.								Tension of Vapour ins.
			At 8 a.m.	Means of			Absolute Extremes.				
				Minima	Maxima	Min. and Max. combined	Minimum	Date	Maximum	Date	
0. SCOTLAND, N.	{ Sumburgh Head ... Wick ... Stornoway ...	29.833 29.869 29.879	50.9 54.9 54.5	46.6 47.5 47.7	55.5 60.6 59.6	51.1 54.1 53.7	41 40 39	13 <sup>4</sup> / <sub>10</sub> 1 <sup>4</sup> / <sub>10</sub> + 13 <sup>4</sup> / <sub>10</sub> 13 <sup>4</sup> / <sub>10</sub>	63 71 70	28 <sup>4</sup> / <sub>10</sub> 5 <sup>4</sup> / <sub>10</sub> 26 <sup>4</sup> / <sub>10</sub>	0.339 -366 -385
1. SCOTLAND, E.	{ Nairn ... Aberdeen ... Leith ...	29.887 29.896 29.915	55.9 57.1 58.2	49.7 49.4 50.4	65.2 63.5 67.3	57.5 56.5 58.9	43 42 42	17 <sup>4</sup> / <sub>10</sub> 3 <sup>4</sup> / <sub>10</sub> 22 <sup>4</sup> / <sub>10</sub>	81 73 77	26 <sup>4</sup> / <sub>10</sub> 23 <sup>4</sup> / <sub>10</sub> 28 <sup>4</sup> / <sub>10</sub>	-374 -363 -367
2. ENGLAND, N.E.	{ Shields ... York ... Spurn Head ...	29.926 29.964 29.963	57.0 56.8 59.0	50.8 49.4 51.3	63.8 70.1 65.0	57.3 59.8 59.7	41 37 46	11 <sup>4</sup> / <sub>10</sub> + 14 <sup>4</sup> / <sub>10</sub> 14 <sup>4</sup> / <sub>10</sub> 14 <sup>4</sup> / <sub>10</sub>	75 82 72	6 <sup>4</sup> / <sub>10</sub> 6 <sup>4</sup> / <sub>10</sub> 26 <sup>4</sup> / <sub>10</sub>	-372 -367 -438
3. ENGLAND, E.	{ Yarmouth ... Cambridge ...	29.976 29.994	60.5 60.5	54.2 50.3	65.9 74.2	60.1 62.3	45 41	15 <sup>4</sup> / <sub>10</sub> 15 <sup>4</sup> / <sub>10</sub>	81 89	8 <sup>4</sup> / <sub>10</sub> 6 <sup>4</sup> / <sub>10</sub>	-422 -417
4. MIDLAND COUNTIES.	{ Loughborough ... Oxford ...	29.992 30.064	57.9 58.0	49.6 50.9	72.5 71.2	61.1 61.1	38 40	15 <sup>4</sup> / <sub>10</sub> 15 <sup>4</sup> / <sub>10</sub>	86 84	6 <sup>4</sup> / <sub>10</sub> 6 <sup>4</sup> / <sub>10</sub>	-386 -370
5. ENGLAND, S.	{ London ... Dungeness ... Hurst Castle...	30.001 29.948 30.009	60.7 61.5 62.5	51.1 54.5 53.2	73.6 68.3 70.6	62.4 61.4 61.9	39 44 46	15 <sup>4</sup> / <sub>10</sub> 23 <sup>4</sup> / <sub>10</sub> 15 <sup>4</sup> / <sub>10</sub> + 21 <sup>4</sup> / <sub>10</sub>	87 80 78	6 <sup>4</sup> / <sub>10</sub> 6 <sup>4</sup> / <sub>10</sub> 6 <sup>4</sup> / <sub>10</sub> + 9 <sup>4</sup> / <sub>10</sub>	-349 -439 -423
6. SCOTLAND, W.	Ardrossan ...	29.927	57.9	50.3	63.5	56.9	42	21 <sup>4</sup> / <sub>10</sub>	70	5 <sup>4</sup> / <sub>10</sub> + 27 <sup>4</sup> / <sub>10</sub>	-376
7. ENGLAND, N.W.	{ *Hawes Junction ... Barrow-in-Furness ... Liverpool Obs <sup>y</sup> (Bidston) ... Holyhead ...	28.729 29.953 29.972 29.974	54.1 57.4 59.0 60.1	46.4 53.8 53.5 54.5	62.6 65.1 67.6 65.2	54.5 59.5 60.6 59.9	34 43 46 49	14 <sup>4</sup> / <sub>10</sub> 14 <sup>4</sup> / <sub>10</sub> 14 <sup>4</sup> / <sub>10</sub> 3 <sup>4</sup> / <sub>10</sub> + 16 <sup>4</sup> / <sub>10</sub>	73 75 80 73	4 <sup>4</sup> / <sub>10</sub> + 5 <sup>4</sup> / <sub>10</sub> + 6 <sup>4</sup> / <sub>10</sub> + 24 <sup>4</sup> / <sub>10</sub> 24 <sup>4</sup> / <sub>10</sub> 5 <sup>4</sup> / <sub>10</sub> 5 <sup>4</sup> / <sub>10</sub> + 24 <sup>4</sup> / <sub>10</sub>	-343 -420 -362 -405
8. ENGLAND, S.W.	{ Pembroke ... Prawle Point ...	29.991 29.975	58.8 62.1	54.3 53.6	63.5 68.7	58.9 61.2	48 47	14 <sup>4</sup> / <sub>10</sub> 14 <sup>4</sup> / <sub>10</sub>	68 82	5 <sup>4</sup> / <sub>10</sub> 9 <sup>4</sup> / <sub>10</sub>	-455 -423
9. IRELAND, N.	{ Malin Head ... Donaghadee ... Mullaghmore ... Belmullet ...	29.898 29.952 29.929 29.937	56.9 57.7 58.2 58.5	54.0 53.4 50.6 53.7	62.5 63.8 64.5 63.2	58.3 58.6 57.6 58.5	49 48 44 42	3 <sup>4</sup> / <sub>10</sub> + 13 <sup>4</sup> / <sub>10</sub> + 14 <sup>4</sup> / <sub>10</sub> 14 <sup>4</sup> / <sub>10</sub> + 15 <sup>4</sup> / <sub>10</sub> + 17 <sup>4</sup> / <sub>10</sub> 14 <sup>4</sup> / <sub>10</sub> 14 <sup>4</sup> / <sub>10</sub>	70 75 71 69	4 <sup>4</sup> / <sub>10</sub> + 24 <sup>4</sup> / <sub>10</sub> + 27 <sup>4</sup> / <sub>10</sub> 8 <sup>4</sup> / <sub>10</sub> 5 <sup>4</sup> / <sub>10</sub> 4 <sup>4</sup> / <sub>10</sub> + 24 <sup>4</sup> / <sub>10</sub> + 28 <sup>4</sup> / <sub>10</sub>	-418 -403 -385 -400
10. IRELAND, S.	{ Parsonstown ... Valencia ... Roche's Point ...	29.948 29.974 29.984	57.6 60.6 60.3	50.7 54.5 54.6	67.6 65.1 67.1	59.2 59.8 60.9	35 44 48	14 <sup>4</sup> / <sub>10</sub> 14 <sup>4</sup> / <sub>10</sub> 14 <sup>4</sup> / <sub>10</sub> + 15 <sup>4</sup> / <sub>10</sub>	75 69 78	5 <sup>4</sup> / <sub>10</sub> 8 <sup>4</sup> / <sub>10</sub> 8 <sup>4</sup> / <sub>10</sub>	-384 -415 -416
CHANNEL ISLANDS.	{ Scilly (St. Mary's) .. Jersey (Noirmont) ...	29.987 30.003	62.6 64.7	57.6 56.2	66.5 71.0	62.1 63.6	53 49	17 <sup>4</sup> / <sub>10</sub> + 20 <sup>4</sup> / <sub>10</sub> 11 <sup>4</sup> / <sub>10</sub>	71 83	6 <sup>4</sup> / <sub>10</sub> 6 <sup>4</sup> / <sub>10</sub>	-494 -439
* Hawes Junction is 1185 feet above mean Sea Level and the											

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



## STATIONS in the BRITISH ISLANDS during the Month of AUGUST 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							Wind								
		Total Fall in the month		Date	No. of Days of							No. of Observation of								
		ins.	in.		Rain	Snow	Hail	Thunderstorms	Clear Sky	Overcast	Gales	North	N.E.	East	S.E.	South	S.W.	West	N.W.	Calms
%																				
81	8.9	2.51	0.65	7 <sup>th</sup>	23	0	0	0	1	23	1	8	2	2	3	1	0	2	4	9
86	7.4	1.79	0.25	26 <sup>th</sup>	23	0	0	1	4	17	1	4	0	2	2	6	2	1	12	2
91	8.6	3.06	0.42	22 <sup>nd</sup>	24	0	0	0	1	23	0	2	1	7	2	1	8	3	2	5
84	6.5	1.29	0.20	29 <sup>th</sup>	19	0	0	2	5	8	1	2	0	1	1	0	1	9	3	14
78	4.8	1.88	0.41	6 <sup>th</sup>	18	0	0	0	11	7	2	6	0	0	3	6	4	3	9	0
76	5.1	1.60	0.41	6 <sup>th</sup>	11	0	0	1	10	5	0	1	1	2	3	3	3	7	9	2
80	6.9	2.29	0.83	18 <sup>th</sup>	12	0	0	2	3	8	1	4	1	0	1	3	8	10	2	2
49	4.1	1.41	0.41	17 <sup>th</sup>	10	0	0	0	17	7	0	5	1	1	5	5	1	9	4	0
87	3.9	0.89	0.16	18 <sup>th</sup>	10	0	0	1	10	1	1	3	2	0	5	4	5	5	6	1
80	4.3	2.24	0.48	13 <sup>th</sup> + 30 <sup>th</sup>	11	0	0	2	12	3	0	3	2	1	5	3	4	5	7	1
80	5.4	1.26	0.47	12 <sup>th</sup>	11	0	0	3	9	8	0	4	4	4	1	4	6	5	3	0
81	6.5	1.16	0.28	26 <sup>th</sup>	11	0	0	4	4	11	0	1	1	4	3	2	1	7	7	5
77	5.2	1.52	0.67	17 <sup>th</sup>	7	0	2	3	14	10	0	3	4	1	0	2	4	4	6	7
72	5.1	2.84	0.94	17 <sup>th</sup>	12	0	0	1	10	7	1	3	2	7	0	3	4	5	3	4
80	6.0	1.67	0.54	16 <sup>th</sup>	8	0	0	1	6	9	1	5	3	5	1	4	4	2	4	3
76	4.4	1.91	1.03	30 <sup>th</sup>	8	0	0	2	13	4	1	2	11	5	0	1	4	5	3	0
79	7.0	2.89	1.06	6 <sup>th</sup>	12	0	0	0	5	15	1	1	1	4	3	6	4	4	6	2
81	6.1	3.39	0.81	29 <sup>th</sup>	14	0	0	2	10	16	0	5	1	1	7	7	4	3	3	0
89	6.1	0.91	0.28	26 <sup>th</sup>	13	0	0	1	3	8	0	5	3	5	4	2	4	2	6	0
73	5.6	1.93	0.52	30 <sup>th</sup>	13	0	0	2	5	8	2	1	1	4	9	1	4	7	3	1
78	4.7	1.30	0.53	12 <sup>th</sup>	12	0	0	0	12	2	0	3	3	0	1	7	5	3	14	5
92	5.0	1.65	0.49	30 <sup>th</sup>	11	0	0	0	7	4	1	6	6	3	4	4	2	3	3	0
76	4.4	1.19	0.53	30 <sup>th</sup>	8	0	0	1	13	5	1	5	4	6	2	2	3	5	4	0
90	8.4	3.41	0.91	31 <sup>st</sup>	20	0	0	1	2	20	0	8	1	0	1	12	2	4	2	0
84	6.1	1.51	0.33	30 <sup>th</sup>	15	0	0	0	8	10	0	3	4	1	0	7	6	6	4	0
79	6.1	3.12	0.71	6 <sup>th</sup>	23	0	0	0	6	5	4	3	2	2	7	5	6	2	4	0
82	6.7	7.00	1.23	5 <sup>th</sup>	22	0	0	0	6	15	0	4	2	2	3	9	5	4	2	0
81	6.7	2.43	0.62	26 <sup>th</sup>	15	0	0	0	7	13	0	0	0	0	4	7	2	1	5	12
79	7.6	4.62	1.55	25 <sup>th</sup>	21	0	0	0	3	17	3	6	3	1	7	5	2	3	2	2
80	3.4	2.79	0.46	26 <sup>th</sup> + 30 <sup>th</sup>	13	0	0	0	13	1	0	10	0	0	2	7	4	2	4	2
84	5.8	2.84	0.78	16 <sup>th</sup>	12	0	0	3	7	7	2	6	3	4	3	5	1	4	4	1
72	3.5	1.94	0.54	15 <sup>th</sup>	9	0	0	2	15	4	1	4	2	5	3	2	4	3	6	2

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.	
				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.		
3	Sumburgh Hd..	30.16	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Pembroke.....	-	-	-	-	-	-	-	58	57	-	-	-	-	-	-	-	-	-
6	Sumburgh Hd..	-	-	-	-	-	29.99	-15	-	-	-	-	-	-	-	-	-	-	-
-	Jersey.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain
7	Scilly.....	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	61	-	-
8	Scilly.....	-	-	-	-	-	-	-	-	-	-	NNE	-	-	-	-	-	-	-
9	Mullaghmore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	-	-
11	Stornoway..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47	-	-
13	Donaghadee..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11
-	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.47
14	Ardrrossan	-	-	-	-	-	29.99	+0.04	-	-	-	-	-	-	-	-	-	-	-
15	Mullaghmore 2pm	-	-	-	-	-	-	-	-	53	-	-	-	-	2	-	-	-	-
16	Sumburgh Hd	-	-	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
17	Loughborough	-	-	-	-	-	-	-	-	-	-	ENE	1	-	-	-	-	-	-
-	Cambridge..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05
18	London.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70	-	0.97
19	Haira.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mullaghmore 2pm	-	-	-	-	-	-	-	-	53	-	-	-	0	-	-	-	-	-
21	Leith.....	-	-	-	-	-	30.06	+0.05	-	-	-	-	-	-	-	-	-	-	-
22	Stornoway..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-	-
23	Jersey 2pm..	-	-	-	-	-	-	-	73	-	-	-	-	-	-	-	-	-	-
24	Scilly 2pm..	-	-	-	-	-	29.89	-	-	-	-	-	-	8	-	-	-	-	-
25	Loughborough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-
-	Scilly.....	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	60	-	-
26	Stornoway 2pm	-	-	-	-	-	-	-	70	64	-	-	-	-	-	-	-	-	-
27	Sumburgh Hd	29.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Shields...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.25
-	Roche's Point	29.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	Cambridge..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain
29	Haira.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17
30	Valencia...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	55	-
31	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.20