

METEOROLOGICAL OFFICE

LONDON.

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DAILY WEATHER REPORTS.

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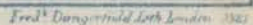
1<sup>ST</sup> JANUARY—30<sup>TH</sup> JUNE.

1887.



January to June, 1887.

January to June, 1887.





# DAILY WEATHER REPORT.

for Tuesday 1<sup>st</sup> March 1887.

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

Issued by the Meteorological Office, No. 1, Victoria Street, London, W. 1. 3501, 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 ..	29.28	41	W	4	bc	29.31	-.25	80	80	- 1	W	0	f	*	41	28	0.08		
Hernösand ...	29.73	47	NW	8	b	29.60	-.29	40	38	- 4	W	0	c	*	52	39	-		
Stockholm ...	29.97	42	W	4	bc	29.82	-.32	38	34	+ 1	W	4	b	*	45	32	-		
Wishby ...	30.15	40	W	4	0	29.97	-.31	40	35	+ 3	NW	4	bc	*	46	30	-		
Bodö ...	29.43	40	WSW	9	A	29.05	-.32	42	41	+ 5	WSW	8	A	6	?	36	1.14		
Christiansund...	29.86	45	SW	6	A	29.55	-.32	45	42	- 1	WSW	9	A	8	48	43	0.55		
Skudesnaes ...	30.24	41	SSE	6	bc	30.10	-.24	42	41	0	WSW	4	0	5	43	41	0.04		
Christiania Fjord (Furder)	30.14	41	SW	8	0	29.91	-.32	38	37	0	SW	8	b	4	41	37	-		
Skagen (The Scaw)	30.27	39	WNW	6	0	30.08	-.30	38	37	0	WNW	6	b	3	43	37	-		
Faro ...	30.49	35	WSW	4	b	30.35	-.30	36	35	+ 1	WSW	4	b	*	39	34	-		
BRITISH ISLANDS.																			
Sumburgh Head	30.03	45	W	3	bc	30.04	-.06	44	41	- 5	W	4	c	4	49	43	0.03		
Stornoway ...	30.09	46	SW	6	gr	29.23	+ .15	42	41	- 3	W	1	om	1	50	40	0.17		
Wick ...	30.09	48	S	2	b	30.25	+ .10	44	41	- 2	W	2	c	1	51	41	-		
Nairn ...	30.15	49	SW	3	bc	30.28	+ .07	47	45	+ 1	W	2	c	2	56	43	-		
Aberdeen...	30.27	47	SW	4	b	30.31	+ .01	46	44	+ 2	WSW	1	bc	1	53	35	-		
Leith ...	30.32	50	WSW	2	b	30.37	-.02	46	44	+ 5	W	2	om	*	58	39	-		
Shields ...	30.38	54	W	2	bm	30.44	-.02	42	39	+ 5	W	1	cm	2	57	35	-		
Spurn Head ...	30.47	42	SSE	3	b	30.49	-.08	37	36	+ 2	WSW	3	bm	2	53	33	-		
York ...	30.46	48	S	1	b	30.49	-.05	39	37	+ 9	W	1	b	*	56	29	-		
Loughborough	30.49	46	SSW	2	bc	30.52	-.05	28	23	0	SSE	1	bm	*	58	27	-		
ARDROSSAN.																			
Ardrossan ...	30.36	44	SSE	1	bm	30.41	+ .01	44	44	0	SSW	4	bm	3	46	43	0.01		
Malin Head ...	30.28	45	SW	2	om	30.40	+ .15	46	46	+ 5	SW	2	od	2	52	41	0.02		
Mullaghmore ...	30.32	45	SW	3	b	30.41	+ .11	45	46	+ 4	SSW	4	0	2	55	32	-		
Belmullet ...	30.31	49	SSW	4	0	30.44	+ .16	48	48	+ 3	SW	2	A	*	50	45	0.04		
Donaghadee ...	30.38	44	SW	5	0	30.44	+ .06	43	43	+ 2	W	4	c	2	49	39	-		
GERMANY.																			
Barrow-in-Furness	30.43	45	WNW	2	b	30.48	- .00	45	41	+ 5	SW	2	bc	*	49	38	-		
Liverpool (Bidston)	30.45	47	SE	2	b	30.52	+ .02	38	36	+ 3	SW	1	b	2	54	35	-		
Holyhead ...	30.43	43	SW	2	bm	30.51	+ .04	44	41	+ 1	SW	2	c	2	48	42	-		
Parsonstown ...	30.39	47	W	0	b	30.51	+ .12	44	42	+ 3	S	1	og	*	56	37	-		
Valencia ...	30.40	48	S	4	om	30.51	+ .15	48	47	+ 1	SSE	3	om	3	50	46	-		
FRANCE & NETHERLANDS.																			
Roche's Point...	30.42	49	SSW	4	0	30.50	+ .09	47	45	+ 1	WSW	3	0	4	52	45	-		
Pembroke ...	30.47	42	SSE	3	m	30.55	+ .06	44	42	+ 2	SSW	2	cg	2	45	41	-		
Scilly ...	30.46	49	SE	4	b	30.52	+ .08	44	43	- 3	W	0	b	4	51	41	-		
Prawle Point ...	30.50	42	E	3	b	30.58	+ .06	38	37	- 6	ESE	1	b	2	47	34	-		
Jersey ...	30.49	42	NE	1	bm	30.58	+ .08	41	40	+ 3	SSE	1	bm	1	49	37	-		
HURST CASTLE.																			
Hurst Castle ...	30.53	42	E	3	bm	30.59	+ .04	35	35	- 2	ESE	1	f	1	48	28	-		
Dungeness ...	30.49	44	SE	3	b	30.56	- .00	28	28	- 11	NE	1	f	0	47	26	-		
London ...	30.54	44	E	1	b	30.58	- .00	33	32	+ 3	W	1	f	*	56	28	-		
Oxford ...	30.52	35	W	0	b	30.60	+ .01	31	31	+ 7	SW	2	f	*	49	24	-		
Cambridge ...	30.52	43	SSE	1	b	30.55	-.03	30	29	+ 2	S	1	b	*	58	24	-		
NETHERLANDS.																			
Yarmouth ...	30.54	40	SSE	2	b	30.53	-.05	34	32	- 6	WSW	2	bm	2	42	30	-		
Cuxhaven ...	30.64	40	WSW	1	b	30.48	-.21	33	32	+ 3	SW	2	f	*	41	?	-		
Berlin ...	30.63	39	SW	2	b	30.51	-.22	32	31	+ 3	SW	1	bc	*	45	?	-		
Wiesbaden ...	*	*	*	*	*	30.63	-.07	33	30	+ 1	NE	2	b	*	45	28	-		
Munich ...	30.62	31	E	2	b	30.59	-.06	26	26	- 3	E	2	f	*	39	25	-		
FRANCE & NETHERLANDS.																			
The Helder ...	30.57	39	SSE	1	b	30.52	-.14	38	38	+ 7	SSW	1	b	1	43	?	-		
Brussels ...	*	*	*	*	*	30.54	- .08	37	35	+ 6	SW	1	b	*	49	?	-		
Cape Gris Nez...	30.48	40	E	3	m	30.54	- .06	37	36	+ 4	S	3	b	2	52	?	-		
Paris ...	30.55	43	SSE	1	b	30.65	+ .10	28	26	- 2	NNE	1	m	*	52	26	-		
Brest ...	30.47	47	NW	3	b	30.55	+ .12	41	39	+ 3	SSE	4	b	5	59	37	-		
FRANCE & NETHERLANDS.																			
Lorient ...	30.49	43	SW	3	bc	30.57	+ .11	39	37	+ 2	E	4	b	5	52	34	-		
Rochefort ...	30.48	48	WNW	4	b	30.56	+ .09	40	40	+ 4	E	3	b	2	54	?	-		
Belfort ...	30.30	43	E	1	b	30.55	+ .10	25	24	- 6	E	3	f	*	46	21	-		
Lyons ...	30.55	43	E	1	b	30.61	+ .11	35	33	+ 5	NNE	1	b	*	51	?	-		
Nice ...	30.50	51	E	3	b	30.52	+ .11	43	37	+ 3	SSE	1	b	2	55	39	-		
NETHERLANDS.																			
Perpignan ...	30.48	42	W	3	0	30.52	+ .12	46	45	+ 5	SW	3	A	*	?	41	1.06		
Biarritz ...	30.37	53	E	5	b	30.44	+ .13	38	37	- 3	ESE	3	bc	1	59	36	-		
PENINSULA.																			
Corunna ...	*	*	*	*	*	30.38	+ .10	47	45	+ 4	ESE	1	b	4	63	43	-		
Lisbon ...	30.20	56	WNW	5	b	30.30	+ .07	46	42	- 3	NNE	5	b	5	64	45	-		

† Received too late for insertion in Charts.

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For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Tuesday, 1<sup>st</sup> March 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.

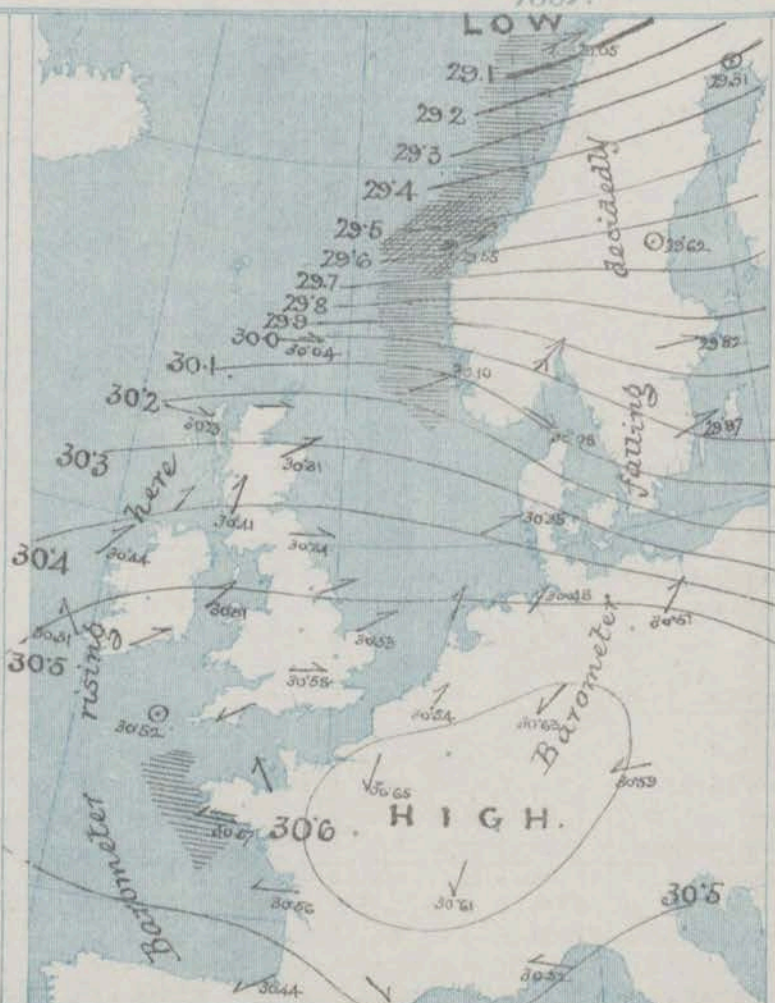
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS	MEAN READINGS
	in.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.885
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roche's Point	29.936
Pembroke	29.942
Scilly	29.969
Hurst Castle	29.958
Dover	29.958
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



## 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.

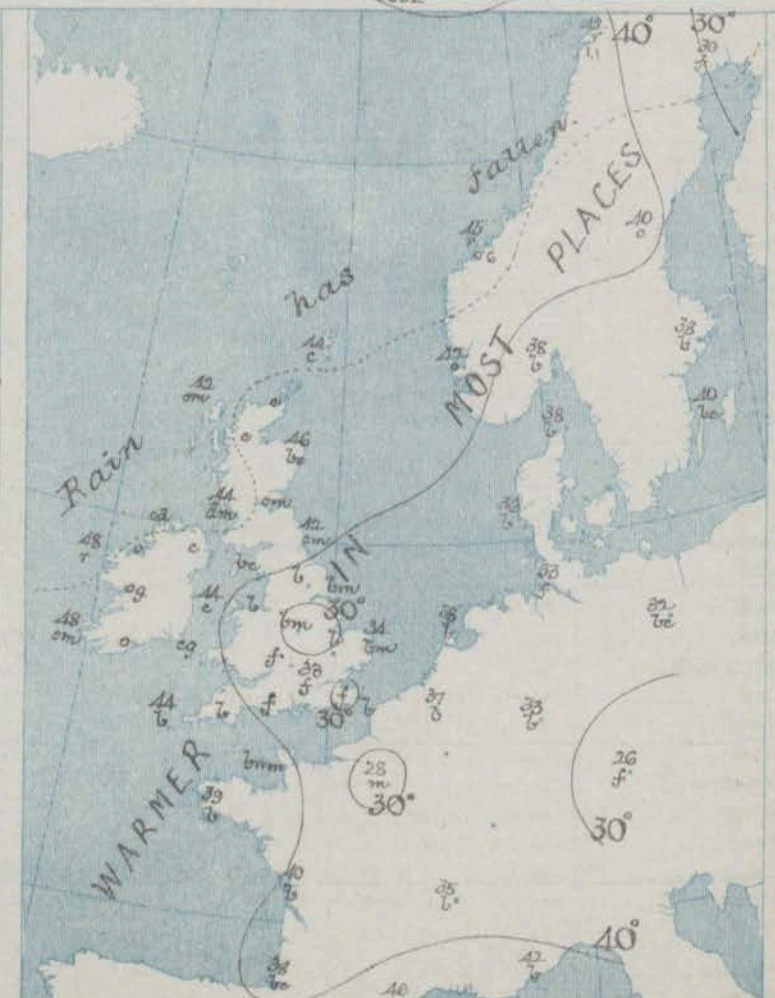
## MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.57
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.9	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.09
Valencia	51.8	40.8	45.6	43.6	4.24
Roche's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	43.4	46.7	45.0	2.39
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON.	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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, 30.5 in. to 30.65 in. over Western Germany, France, the Bay of Biscay, and the south of our Islands.  
 Lowest, 29.0 in. in Lapland, and 30.0 in. at St. Petersburg and over the Skager Rack.  
 Gradients slight in the south, moderate in the north, rather steep over Norway.  
 Barometer falling quickly over Scandinavia, the Baltic and Germany, rising over the British Isles, west of France and Bay of Biscay.

### TEMPERATURE

Highest, 48° in extreme west of Ireland, 47° at Naim, 46° at Aberdeen and also at Lisbon and Perpignan.  
 Lowest, 26° at Munich, 28° to 31° over Central England, and 30° at Haparanda.

### WIND

Light E in the west of France, light to moderate S in the west of our Islands, and W in Scotland.  
 Nearly calm over England, the Netherlands and north east of France.  
 A SW gale is blowing on the Norwegian coasts.

### WEATHER

Very rainy in the northwest of Norway, rather showery on our extreme W. and NW. coasts, fine in the NE. and E.  
 Wet fogs or mists prevail in many parts of England and the north of France.

### SEA

Very high off <sup>the</sup> NW. of Norway, moderate at several of our western stations, slight or smooth elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A very sharp frost which occurred over England early this morning appears to be now giving way quickly and W to SW winds are appearing in place of the calms and E winds recently prevalent.

The anticyclone in the south is apparently moving westward, and as it does so depression will probably pass in a south-easterly direction over the eastern shores of the North Sea, causing NW (W to N) winds over Scotland and England. There will probably freshen subsequently, and cold showers occur in the north and east.

## FORECASTS

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

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	W to NW winds, freshening, fair to showery.		
1	SCOTLAND EAST	D°	D°	D°
2	ENGLAND N.E.	Wind backing to NW with cloudy, damp weather, night less cold than of late.		
3	ENGLAND EAST	D°	D°	D°
4	MIDLAND COUNTIES	D°	D°	D°
5	ENGLAND SOUTH	Varying airs and NW breezes, light; dull with damp mists or fogs.		

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Same as N° 0		
7	ENGLAND N. W.	Same as N° 0		
8	ENGLAND S. W.	Same as N° 5		
9	IRELAND NORTH	Wind becoming light and variable; fair as a whole, and foggy.		
10	IRELAND SOUTH	D°	D°	D°
WARNINGS		NONE ISSUED.		



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.32	43	41	SSW 6	c f	5	Holyhead ...	30.46	48	44	SSW 2	b	2
Sumburgh Head ...	30.07	47	43	SSW 3	e	3	Valencia ...	30.39	48	46	SSW 5	c	4
Stornoway ...	30.13	45	45	SSW 8	c q	7	Scilly ...	30.43	50	48	SE 4	b	5
Aberdeen ...	30.25	51	48	SSW 4	b	1	Dungeness ...	30.32	47	46	SSW 3	b	1
Shields ...	30.38	55	50	SSW 3	bm	2	London ...	30.52	53	45	ESL 1	bm	0
Ardrossan ...	30.37	45	44	S 4	e	3	Yarmouth ...	30.56	42	41	SSW 24	b	2
Malin Head ...	30.25	50	50	S 3	o	3	Jersey ...	30.48	47	42	ESL 1	b	1
Mullaghmore ...	30.35	52	45	SSW 4	b	2	Rochefort ...	30.47	50	47	N 3	b	2
Belmullet ...	30.30	48	46	SSW 5	e	0							

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

The Continental Reports for yesterday morning showed that pressure was highest, 30.7 in. and upwards, in the central portion of an anticyclonic system lying over the eastern part of Germany and Austria. The lowest readings 29.4 in. and less, were reported over the extreme north of Europe, but relatively low readings, 30.2 in. and less, were found in a small local depression which was lying over Algeria. Moderate to strong breezes from the W<sup>2</sup> were reported over Northern Europe generally, and SE<sup>2</sup> or S<sup>2</sup> breezes in our Islands, but over the more southern countries variable or light E' airs were general, while over Algeria there were evidences of a slight cyclonic circulation round the depression noticed above. Rain was falling in the coast of Norway and also in the extreme south of France, but elsewhere the weather though foggy or misty in many places was generally fair. Temperature had fallen a little over all but the most northern countries, and readings ranged from 50° at several of the Algerian and Mediterranean stations to 25° or less over southern Russia. The highest individual readings were 55° at Cagliari, 58° at Oran, 56° at Malta, and 55° at L'fat; the lowest were 16° at Odessa, 17° at Lemberg, 19° at Nicolaiiv, and 20° at Kiev and Kharkov.

In the course of the day the barometer fell steadily over Northern Europe, and the W<sup>2</sup> winds there showed some inclination to bend southwards. Over our Islands, however, very little change was observed either in pressure winds or weather.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Wednesday 2<sup>nd</sup> MARCH

1887.

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



Issued by the Meteorological Office, 10, Pall Mall, London, W. 1, N. 1,																	
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For Explanation of Columns, see p. 4.



for 8 a.m. on Wednesday, 2<sup>nd</sup> March. 1887.

(Explanation of Map)

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

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

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 1.5 in. or more, are quoted in figures.

for the month of March

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, 30.5 in. to 30.6 in. and higher, over Ireland, England, France and Germany. Lowest, 29.4 in. and lower, in a depression over the north-west of Norway. Gradients, very slight except over Scandinavia and Denmark. Barometer falling again in far north, rising slightly elsewhere.
TEMPERATURE	{ Highest, 48° in the west of Ireland, 47° at Lister, 46° at Scilly and Lumburg Head. Lowest, 18° at Haparanda, 24° at Munich, 31° at Wiesbaden and 29° to 31° over Central England. It is much lower in the east of Scotland than it was yesterday. The thermometer rose greatly over the southern and central parts of France yesterday, the maxima recorded being 68° at Rochefort and 57° at Paris.
WIND	{ Moderate N.E. over France and South Germany, light S.W. and S.W. in Ireland, light W. in Scotland and many parts of England. Calm and variable over the Channel and south of England. In Scandinavia it is W. to N.W., and blows hard at Christiansund.
WEATHER	{ Fine over Germany, the southern parts of France and the eastern coasts of Great Britain. Very foggy over England and the north of France, dull at the western and northern stations, with rain at Christiansund. Rain fell yesterday in the north-west of Norway, and a little on our extreme north and north-west coasts.
SEA	{ High at Christiansund, rather rough at Scilly, smooth or nearly so elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the far north will probably move south-eastwards (like that of yesterday) and cause N.W. winds in the north of England and over the eastern parts of the North Sea, with some showers. There is no definite indication of any important change of weather for Ireland, England and France at present.

## FORECASTS

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

### DISTRICTS.

### FORECASTS.

0 { SCOTLAND NORTH	W <sup>ly</sup> to NW <sup>ly</sup> winds, freshening; some rain or sleet at times.
1 { SCOTLAND EAST	W <sup>ly</sup> and NW <sup>ly</sup> breezes, light, fair, cold.
2 { ENGLAND N.E.	..... D° ..... D°
3 { ENGLAND EAST	Same as N° 5.
4 { MIDLAND COUNTIES	Same as N° 5.
5 { ENGLAND SOUTH	Calms and thick fogs, followed by light W <sup>ly</sup> and NW <sup>ly</sup> breezes and fair weather, very cold at night.

### DISTRICTS.

### FORECASTS.

6 { SCOTLAND WEST	Same as N° 1.
7 { ENGLAND N.W.	Same as N° 1.
8 { ENGLAND S.W.	Same as N° 5.
9 { IRELAND NORTH	Varying light winds, foggy, becoming colder.
10 { IRELAND SOUTH	..... D° ..... D°
WARNINGS	None issued.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeenaes ...	30.20	44	42	W 4	0	5	Holyhead ...	30.55	46	43	SSW 2	6	2
Sumburgh Head ...	30.22	44	40	W 3	0	4	Valencia ...	30.54	50	47	SSE 8	0	4
Stornoway ...	30.37	46	44	W 3	0	2	Scilly ...	30.58	52	49	S 2	6	4
Aberdeen ...	30.38	50	46	ESE 2	6	1	Dungeness ...	30.56	48	46	W 2	6	1
Shields ...	30.49	49	46	W 2	0	2	London ...	30.60	37	36	WNW 1	cm	*
Ardrossan ...	30.46	45	45	SSW 2	0	2	Yarmouth ...	30.52	47	43	WNW 2	6	2
Malin Head ...	30.44	47	47	WNW 2	0	2	Jersey ...	30.60	49	45	W 1	6	1
Mullaghmore ...	30.47	51	49	SSW 3	0	2	Rochefort ...	30.66	64	55	E 5	6	2
Belmullet ...	30.46	50	50	SSW 3	0	*							

## GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The Continental reports for yesterday morning showed that a large anticyclone, in which pressure exceeded 30.5 ins., extended from France across Germany and Austria to Turkey, while the lowest readings (29.2 ins. and less) were found in a depression which was passing across the north of Scandinavia. The wind was consequently strong from the W. over Northern Europe, and moderate from NW in Russia, but at the southern stations light E. breezes were reported, while over Central Europe the wind was very variable. The weather was fair in most places, but a good deal of fog or mist prevailed locally, while rain was falling in the west of Norway. Temperature had risen over the greater part of the Continent, and readings ranged from 50° and upwards over Southern Europe to 32° or below over the more central countries, and to below Zero over Northern Russia. The highest individual readings were 60° at Ispah, 57° at Malta and Alicante and 56° at Algiers and Palma; the lowest were -5° at Archangel, +17° at Hermanstadt, 24° at Nicolaiev, 27° at Vienna, Kharkov and Odessa and 28° at Prague.

In the course of the day the depression over the north of Scandinavia moved away in a south-easterly direction and the barometer rose over Northern and North-western, while it fell over Central Europe. In the evening the central portion of the anticyclone lay over France and the south of our islands, and during the night thick fogs were experienced in the latter region.

### 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 3<sup>rd</sup> March 1887.

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

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)		SHADE TEMP.		Amount of Rainfall.
			Dir.	Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)				Max.	Min.	
SCANDINAVIA.	Haparanda ...	29.27	23	2	0		29.28	- .21	30	24	+ 12	W	3	c	*		32	16	0.12
	Hernösand ...	29.66	44	W	6	b	29.64	- .17	38	33	+ 3	W	4	bc	*		46	34	-
	Stockholm ...	29.85	42	W	4	c	29.76	- .17	41	36	+ 4	W	2	0	*		46	36	-
	Wisby ...	29.92	41	W	4	c	29.82	- .13	38	36	- 3	W	4	0	*		46	36	-
	Bodö ...	29.85	38	W	9	0	29.68	+ .26	29	24	- 7	W	6	c	*		39	28	0.08
	Christiansund ...	29.89	42	W	8	n	29.82	- .07	44	43	+ 1	W	8	n	6		39	18	-
	Skudesnaes ...	30.27	43	W	5	c	?	?	42	41	0	W	4	n	3		45	?	0.04
	Christiania Fjord (Færder)	30.04	41	W	8	b	29.89	- .18	40	38	- 1	W	6	0	*		43	39	-
	Skagen (The Scaw)	30.10	42	W	6	0	29.99	- .13	42	40	+ 1	W	6	c	*		45	39	-
	Fanö ...	30.86	36	W	5	b	30.80	- .09	38	37	+ 1	W	5	f	*		41	34	-
BRITISH ISLANDS.	Bumburgh Head	30.19	45	W	4	0	30.11	- .12	46	46	0	W	5	0	5		49	40	0.01
	Stornoway ...	30.34	48	SW	4	0	30.32	- .08	48	48	+ 5	W	5	0	4		50	43	0.01
	Wick ...	30.32	44	W	1	b	30.27	- .11	48	47	+ 5	W	3	0	1		58	42	-
	Nairn ...	30.35	51	W	2	c	30.38	- .16	49	47	+ 5	W	1	c	1		56	42	-
	Aberdeen ...	30.37	58	W	3	b	30.38	- .06	45	45	+ 11	W	2	0	1		56	33	-
	Leith ...	30.49	50	W	1	c	30.47	- .01	49	46	- 2	W	1	m	*		53	46	-
	Shields ...	30.51	49	SW	3	bc	30.50	- .03	42	40	- 5	W	1	0	2		54	40	-
	Spurn Head ...	30.54	43	SW	2	bc	30.53	- .02	38	38	0	W	3	0	3		48	37	-
	York ...	30.55	49	W	1	b	30.54	- .03	36	35	+ 5	W	1	0	*		50	30	-
	Loughborough	30.57	44	W	1	c	30.58	- .01	35	35	- 2	W	0	0	*		53	30	-
GERMANY.	Ardrossan ...	30.52	45	SW	2	0	30.49	- .02	45	44	0	W	2	0	2		47	44	0.01
	Malin Head ...	30.51	47	W	3	c	30.48	- .01	45	45	- 2	W	3	0	3		50	44	-
	Mullaghmore ...	30.54	48	W	3	0	30.52	- .02	49	44	- 1	W	1	0	1		51	45	-
	Belmullet ...	30.53	48	SW	3	0	30.51	- .03	48	45	0	W	1	0	*		50	48	-
	Donaghadee ...	30.55	49	W	3	0	30.54	- .02	44	43	- 3	W	3	c	1		53	43	-
	Barrow-in-Farress	30.58	44	W	2	0	30.54	- .02	41	40	- 2	W	2	0	*		44	40	0.01
	Liverpool (Bidston)	30.60	44	W	1	0	30.57	- .04	41	39	0	W	1	0	1		46	39	-
	Holyhead ...	30.59	44	W	1	0	30.57	- .03	44	41	- 1	W	0	c	2		48	40	-
	Parsonstown ...	30.59	48	W	0	0	30.57	- .04	46	43	+ 2	W	0	0	*		51	43	-
	Valencia ...	30.58	51	SW	2	bc	30.57	- .05	44	43	- 4	W	0	c	1		52	39	-
FRANCE & NETHERLANDS.	Roche's Point ...	30.60	48	W	2	0	30.58	- .03	45	42	- 1	E	1	0	3		50	44	-
	Pembroke ...	30.61	44	W	1	0	30.58	- .04	42	41	- 2	E	1	0	0		47	42	-
	Scilly ...	30.60	47	W	1	bc	30.52	- .10	46	42	- 3	E	5	c	4		53	41	-
	Prawle Point ...	30.63	41	E	1	b	30.56	- .10	40	39	+ 1	E	3	0	2		47	34	-
	Jersey ...	30.57	41	W	3	0	30.54	- .09	35	35	- 6	E	2	0	2		44	35	-
	Hurst Castle ...	30.59	44	W	1	b	30.60	- .04	32	32	0	E	1	0	0		50	28	-
	Dungeness ...	30.58	36	W	0	f	30.57	- .05	34	34	+ 3	W	0	0	0		46	25	0.02
	London ...	30.60	39	W	1	b	30.60	- .04	32	32	+ 2	W	1	0	*		46	28	-
	Oxford ...	30.61	35	W	0	b	30.61	- .03	31	31	+ 2	W	0	0	*		47	29	-
	Cambridge ...	30.57	43	W	1	b	30.58	- .04	36	35	+ 4	W	0	0	*		52	28	-
PENINSULA.	Yarmouth ...	30.56	39	W	0	f	30.57	- .01	30	30	+ 1	W	1	0	2		39	28	-
	Cuxhaven ...	30.47	39	W	3	f	30.42	- .03	40	39	+ 3	W	4	0	*		41	37	-
	Berlin ...	30.39	42	W	4	b	30.35	- .07	40	39	+ 4	W	4	0	*		46	?	-
	Wiesbaden ...	*	*	*	*	*	30.59	+ .01	35	33	+ 4	W	0	0	*		52	30	-
	Munich ...	30.52	33	W	1	m	30.54	- .02	32	30	+ 8	W	3	0	*		41	?	-
	The Helder ...	30.55	40	W	1	f	30.54	- .02	39	38	- 1	W	3	0	3		41	39	-
	Brussels ...	*	*	*	*	*	30.60	- .01	39	38	+ 6	E	1	0	*		41	?	0.04
	Cape Gris Nez ...	30.56	39	E	1	m	30.56	- .04	30	30	- 4	E	1	0	0		45	28	-
	Paris ...	30.54	44	W	3	b	30.60	+ .02	30	30	- 2	W	2	0	*		53	30	-
	Brest ...	30.56	42	E	4	b	30.47	- .14	37	35	- 1	E	5	0	4		59	34	-
FRANCE & NETHERLANDS.	Lorient ...	30.51	47	W	4	b	30.47	- .13	39	37	0	E	5	0	3		52	34	-
	Rochefort ...	30.46	51	W	5	b	30.49	- .06	39	37	0	E	5	0	2		59	34	-
	Belfort ...	30.47	47	E	1	b	30.45	- .01	39	37	+ 10	E	3	0	*		49	25	-
	Lyons ...	30.50	49	W	1	b	30.36	+ .01	35	33	+ 3	W	1	0	*		54	?	-
	Nice ...	30.39	51	E	2	b	30.37	- .08	52	37	+ 9	E	3	0	1		59	?	-
	Perpignan ...	30.46	47	W	0	b	30.47	- .02	37	35	+ 1	W	3	0	*		56	35	-
	Biarritz ...	30.40	51	W	4	m	30.41	- .04	44	40	- 1	E	4	0	1		55	39	-
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*	-
	Lisbon ...	30.16	59	W	7	bc	30.07	- .21	49	45	+ 2	W	8	0	3		64	45	-

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Thursday, 3<sup>rd</sup> March.

## BAROMETER, WIND & SEA.

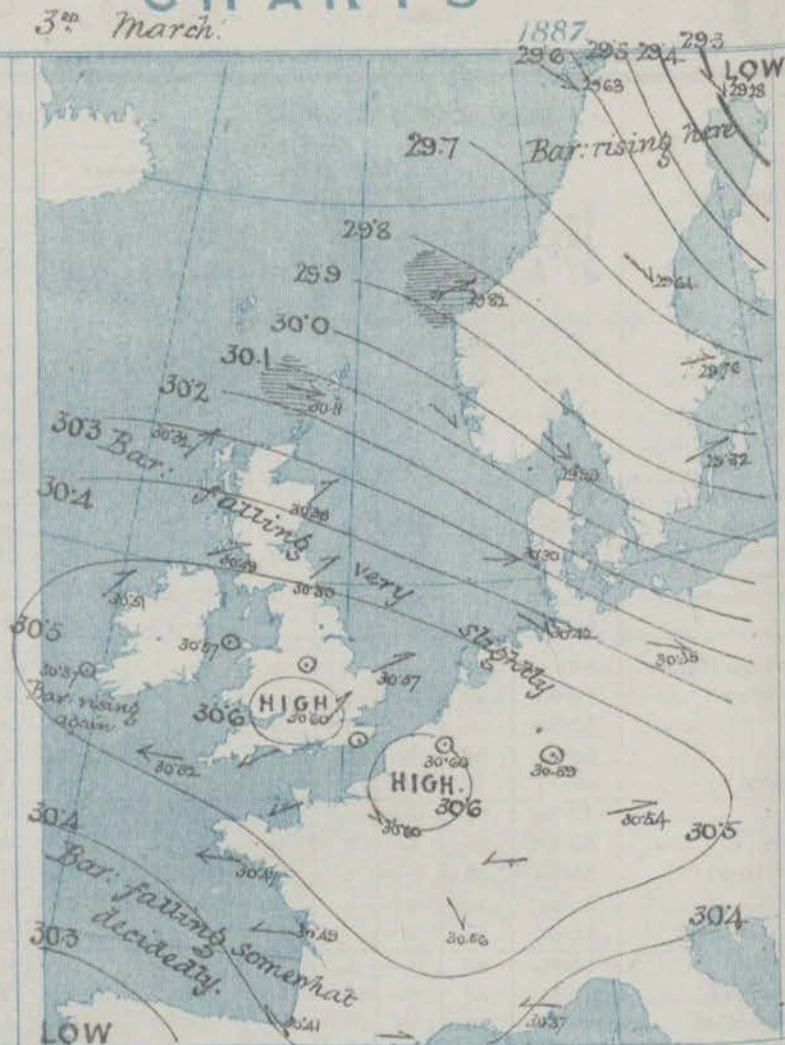
(Explanation of Map)

- 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 March.  
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roche's Point	29.936
Pembroke	29.942
Scilly	29.968
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



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

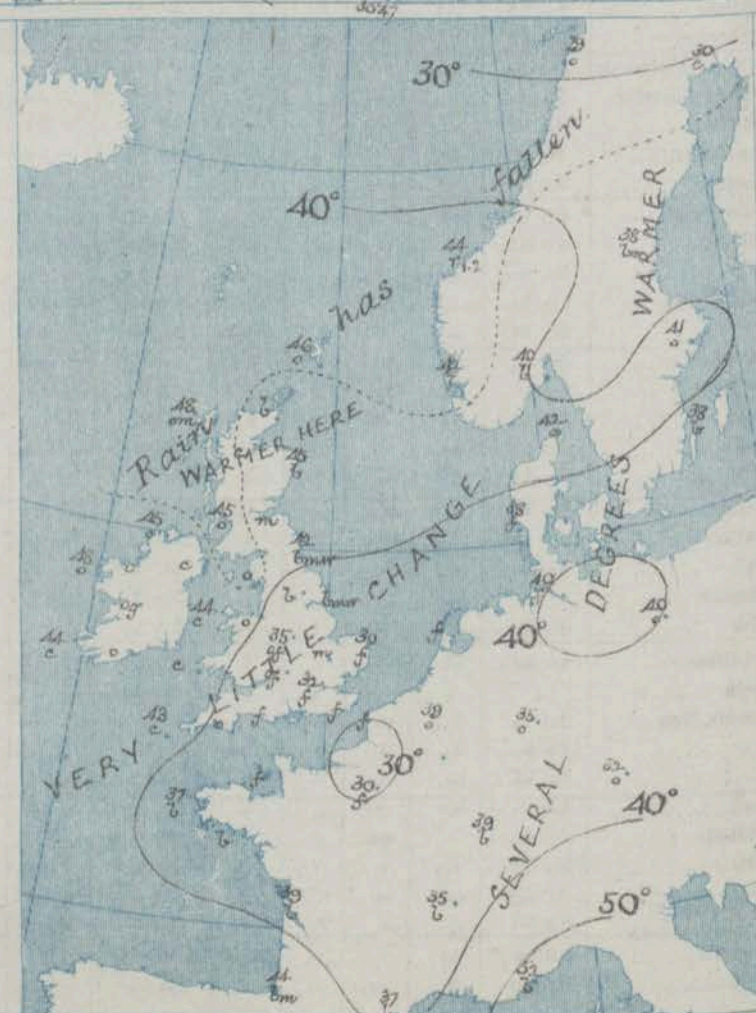
- Temperature** — Isotherms are drawn for each 10° changes since previous morning are stated in words.
- Weather** — is shown by letters of the Beaufort Scale.
- Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more,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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.	At 8 a.m.	
			Dry	Wet	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.69
Valencia	51.8	40.8	45.6	43.6	4.24
Roche's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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, 30.5 in. to 30.6 in. over Ireland, England and France. Lowest, 29.28 in. at Haparanda - 30.07 in. at Lisbon. Gradients irregular, generally moderate. Barometer rising in Norway, falling over Spain, nearly steady in our Islands, but inclined to fall in the southwest.
TEMPERATURE	Highest, 52° at Nice, 43° at Kinn and Skibov, 48° at Wick, Lonsø, and Kilmullet. Lowest, 30° at Haparanda, Kinn and C. G. K. 31° at Oxford, 32° in London and at Munich. It is decidedly higher over Scotland, Sweden, Germany, and the SE. of France than it was yesterday.
WIND	Moderate from E. over Bay of Biscay, light E. in the Channel, light SW to W on our northern coast - strong (a gale in places) from SW to NW over Norway and the Skagerrack. Moderate W over Germany, calm over Central England.
WEATHER	Fine and bright in NE. England and also in west and south of France. Dull in the W. and NW. Thick wet fogs prevail in many parts of England and also in Denmark, Holland and the N. of France.
SEA	Rough in far north. Smooth or nearly so on our coast and the west coast of France - Dead calm in the Strait of Dover.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The fall of the barometer in the far south will probably cause the E. wind in the Channel to freshen a little and to extend somewhat further northwards. This would clear away much of the fog over our southern counties, but no great change of weather over our Islands is indicated at present.

## FORECASTS

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

1887.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	W <sup>2</sup> and SW <sup>2</sup> winds, fresh; some rain at times
1	SCOTLAND EAST	NW <sup>2</sup> airs and calms; fair at coast stations, foggy inland.
2	ENGLAND N.E.	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----
3	ENGLAND EAST	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----
4	MIDLAND COUNTIES	Same as N <sup>o</sup> 5
5	ENGLAND SOUTH	Calms and light E <sup>2</sup> breezes; foggy, damp, cold, then finer and dry.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Same as N <sup>o</sup> 0
7	ENGLAND N.W.	SW <sup>2</sup> or W <sup>2</sup> airs; fair, local fogs inland.
8	ENGLAND S.W.	E <sup>2</sup> and variable airs; fair, hazy.
9	IRELAND NORTH	S <sup>2</sup> airs and calms; fair, local fogs.
10	IRELAND SOUTH	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----

### WARNINGS

NONE ISSUED



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.27	44	43	WNW 4	0	4	Holyhead ...	30.61	47	43	SEW 1	c	2
Sumburgh Head ...	30.22	47	45	W 4	0	4	Valencia ...	30.60	52	49	SEW 4	c	3
Stornoway ...	30.35	48	46	SSW 5	6	4	Seilly ...	30.62	50	47	SE 2	bc	5
Aberdeen ...	30.40	51	47	SSW 2	6	1	Dungeness ...	30.60	36	36	Z 0	f	1
Shields ...	30.52	54	50	W 2	c	2	London ...	30.61	44	41	WNW 1	f	*
Ardrossan ...	30.53	46	45	SEW 2	0	2	Yarmouth ...	30.58	38	37	WNW 1	f	2
Malin Head ...	30.55	49	49	SEW 3	c	3	Jersey ...	30.60	44	42	NNE 3	c	3
Mullaghmore ...	30.55	50	48	SEW 2	om	2	Rochefort ...	30.52	53	7	NNE 4	m	4
Belmullet ...	30.56	50	48	SEW 3	0	*							

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

The Continental reports for yesterday morning showed that pressure was highest 30.5 ins: and upwards, in a large anticyclone which covered the whole of England, Ireland and France and the greater part of Germany. The lowest readings 29.1 ins: and less, were found in a depression which had travelled from the north of Scandinavia to Central Russia, but a new disturbance was apparently advancing towards the north-west of Norway. Strong W. to NW winds or gales prevailed over Northern Europe, and moderate breezes from the same quarter in Russia, but over France, Spain and Algeria the wind was light from E. or NE., while in the extreme west of our Islands it was S. Fair weather prevailed in most places, but fog or mist was reported locally, rain was falling at Christiansund, and snow at Moscow. Temperature had risen a little over Austria and the south of Russia, but fallen in most other localities, readings ranged from 50° and upwards at the Spanish, Algerian, and several of the Mediterranean stations to 32° or below over the most central part of our Islands and the Continent and to 25° or below in Northern Russia. The highest individual readings were 59° at Palma and Alicante, 57° at Lfoz and Porto, 56° at Malta, 55° at Algiers and 54° at Brindisi; the lowest were 11° at Archangel, 16° at Hormanstadt, 18° at Haparanda, and 21° at Uleaborg.

In the course of the day the new depression off the NW. of Norway travelled eastwards, but no important change took place in the winds or weather over our Islands. Over England, however, the fog cleared considerably in the middle of the day.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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# DAILY WEATHER REPORT.

for

Friday 4<sup>th</sup> March

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. 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. 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 ...	29.72	17	NW	2	bc	29.19	-.09	29	29	-1	SW	6	0	*	30	16	Ins.	
Hernösand ...	29.80	37	Z	0	0	29.66	+.02	43	39	+5	NNW	4	0	*	46	?	0.04	
Stockholm ...	29.89	41	Z	0	c	29.88	+.12	39	36	-2	W	4	0	*	52	37	-	
Wishby ...	29.93	37	N	4	b	29.91	+.09	36	35	-2	W	4	0	*	46	36	-	
Bodö ...	29.92	32	NSW	2	0	29.88	-.25	36	33	+7	NSW	9	0	*	36	28	0.08	
Christiansund...	29.85	44	NSW	9	n	29.95	+.13	41	40	-3	SW	6	1	6	45	39	1.26	
Skudesnaes ...	30.24	44	WNW	4	n	30.23	?	44	43	+2	W	4	0	4	45	?	0.16	
Christiania Fjord (Forder)	29.98	43	W	6	b	30.05	+.16	43	41	+3	NSW	6	0	2	46	39	-	
Skagen (The Scaw)	30.02	42	NW	6	b	30.09	+.10	42	41	0	NW	4	0	3	46	41	-	
Fanö ...	30.34	39	W	4	b	30.32	+.02	39	39	+1	W	4	0	*	45	37	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.16	47	W	4	ad	30.18	+.04	46	45	0	W	4	0	5	48	44	0.01	
Stornoway ...	30.36	48	SW	4	om	30.35	+.03	46	45	-2	SSW	3	0	2	50	43	0.01	
Wick ...	30.31	50	NW	3	b	30.33	+.06	45	43	-3	N	3	0	1	55	42	-	
Nairn ...	30.36	49	SW	2	c	30.37	+.04	43	41	-6	SW	1	0	1	56	38	-	
Aberdeen...	30.35	52	NNW	2	b	30.42	+.04	40	38	-5	W	1	0	0	61	39	-	
Leith ...	30.45	49	SW	2	c	30.45	-.02	43	40	-4	W	1	0	*	50	37	-	
Shields ...	30.46	46	W	3	bc	30.45	-.05	36	35	-6	W	2	0	2	52	31	-	
Spurn Head ...	30.48	41	NSW	2	b	30.46	-.07	35	35	-3	NW	2	0	2	48	34	-	
York ...	30.49	46	W	1	b	30.49	-.05	28	28	-8	N	1	0	*	55	26	-	
Loughborough	30.52	41	WNW	1	b	30.50	-.08	24	24	-11	SW	1	0	*	47	24	-	
Ardrossan ...	30.48	45	NSW	2	0	30.46	-.03	45	42	0	NW	1	0	1	47	43	-	
Malin Head ...	30.47	47	W	3	0	30.44	-.04	43	42	-2	SW	2	0	2	44	43	-	
Mullaghmore ...	30.49	49	Z	0	0	30.46	-.06	41	39	-6	SSW	1	0	1	52	41	-	
Belmullet ...	30.49	47	SSW	3	0	30.44	-.07	42	40	-6	E	1	0	*	50	42	-	
Donaghadee ...	30.51	47	SW	2	0	30.48	-.06	42	40	-2	SW	2	0	0	48	40	-	
Barrow-in-Furness	30.51	43	WNW	2	0	30.48	-.06	38	37	-3	NE	1	0	*	45	37	-	
Liverpool (Bidston)	30.53	41	WNW	1	b	30.49	-.08	32	32	-9	SE	1	0	1	47	28	-	
Holyhead ...	30.53	42	NNE	1	b	30.46	-.11	38	38	-6	ESE	3	0	2	47	36	-	
Parsonstown ...	30.50	49	SE	1	bc	30.48	-.09	27	27	-19	Z	0	0	*	51	25	-	
Valencia ...	30.47	47	SSE	1	cm	30.39	-.18	37	36	-7	Z	0	0	1	50	33	-	
Roche's Point...	30.49	43	SE	3	b	30.43	-.15	43	42	-2	ESE	3	0	3	48	40	-	
Pembroke ...	30.49	44	ESE	2	m	30.44	-.14	37	36	-5	ESE	2	0	1	48	?	-	
Scilly ...	30.43	47	E	6	of	30.36	-.16	44	44	+1	E	6	0	5	48	41	-	
Prawle Point ...	30.50	39	ESE	4	f	30.43	-.13	37	36	-3	ESE	4	0	4	46	35	-	
Jersey ...	30.47	41	ESE	2	b	30.40	-.14	35	35	0	NE	3	0	3	49	34	0.01	
Hurst Castle ...	30.53	37	NSW	1	f	30.47	-.13	33	33	+1	E	1	0	0	44	30	0.02	
Dungeness ...	30.54	35	NNW	1	f	30.48	-.09	35	35	+1	NE	1	0	0	36	31	-	
London ...	30.53	39	SSW	1	b	30.50	-.10	31	31	-1	Z	0	0	*	49	30	-	
Oxford ...	30.50	34	NNW	1	b	30.50	-.11	25	25	-6	Z	0	0	*	47	23	-	
Cambridge ...	30.51	40	NNW	1	b	30.51	-.07	25	25	-11	Z	0	0	*	52	23	-	
Yarmouth ...	30.52	39	W	1	f	30.49	-.08	37	36	+7	Z	0	0	2	40	30	-	
Cuxhaven ...	30.39	41	WNW	4	f	30.40	-.02	37	37	-3	NNW	4	0	*	42	36	-	
Berlin ...	30.32	47	NNW	6	0	30.34	-.11	42	41	+2	NNW	5	0	*	?	?	-	
Wiesbaden ...	*	*	*	*	*	30.54	-.05	31	30	-4	NW	1	0	*	46	30	-	
Munich ...	30.53	36	W	1	0	30.51	-.03	35	34	+3	E	3	0	*	45	32	-	
FRANCE & NETHERLANDS.																		
The Helder ...	30.51	39	NSW	1	f	30.49	-.05	37	37	-2	W	1	0	1	41	36	-	
Brussels ...	*	*	*	*	*	30.51	-.09	32	32	-7	ESE	1	0	*	46	31	0.04	
Cape Gris Nez...	30.48	34	Z	0	f	30.48	-.08	31	31	+1	E	1	0	*	37	30	-	
Paris ...	30.51	41	NNE	3	b	30.46	-.14	30	30	0	N	3	0	*	49	30	-	
Brest ...	30.43	55	NE	1	b	30.34	-.13	42	39	+5	ESE	4	0	4	59	34	-	
Lorient ...	30.42	53	ESE	1	b	30.33	-.14	40	37	+1	E	4	0	2	57	36	-	
Rochefort ...	30.41	54	NE	4	b	30.36	-.13	38	36	-1	E	4	0	2	70	32	-	
Belfort ...	30.47	44	E	1	b	30.41	-.04	32	32	-7	E	3	0	*	50	29	-	
Lyons ...	30.45	48	NE	1	b	30.44	-.12	35	33	0	NNE	1	0	*	57	33	-	
Nice ...	30.32	55	E	1	b	30.28	-.09	46	43	-6	Z	0	0	1	66	45	-	
Perpignan ...	30.39	51	Z	0	b	30.36	-.11	35	33	-2	SW	3	0	*	64	34	-	
Biarritz ...	30.30	61	E	4	b	30.25	-.16	51	41	+7	SE	4	0	0	66	?	-	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
Lisbon ...	30.03	54	ESE	5	n	30.06	-.01	53	50	+4	ESE	5	0	2	64	?	0.16	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Friday, 4<sup>th</sup> March.

## BAROMETER, WIND & SEA.

(Explanation of Map)

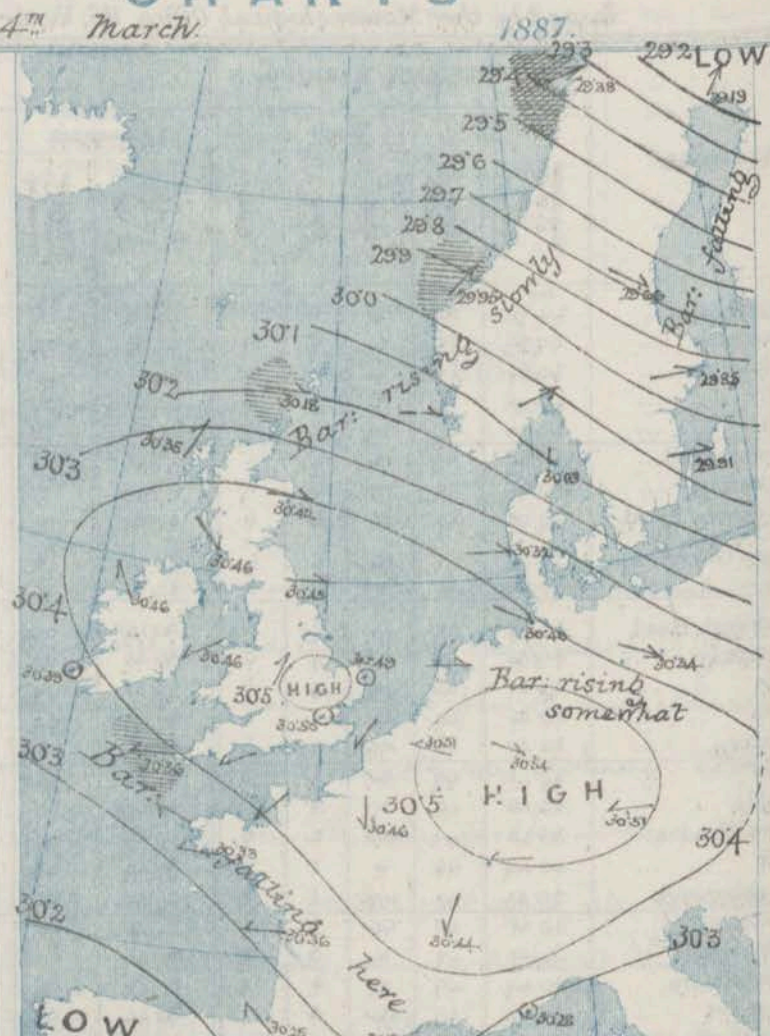
**Barometer** — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 → = forces above 10; → = forces 8 to 10;  
 → = forces 5 to 7; →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

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

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of March.  
 During the 10 Years 1871–1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roches Point	29.936
Pembroke	29.942
Scilly	29.968
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



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

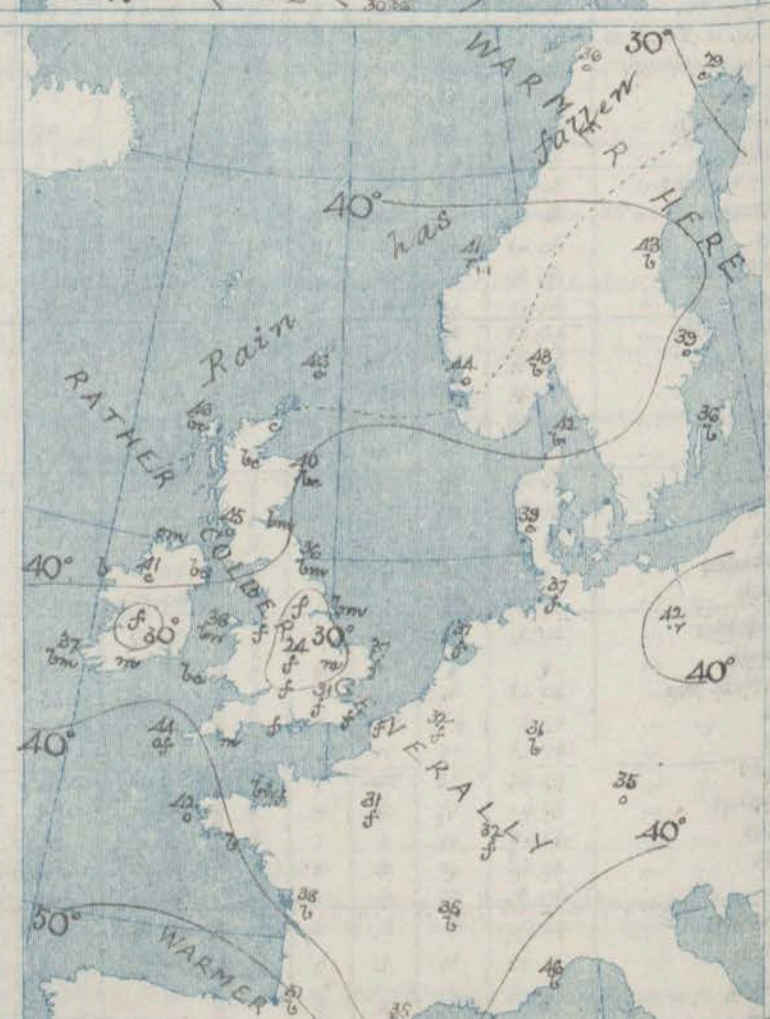
**Temperature** — Isotherms are drawn for each 10° changes since previous morning are stated in words.  
**Weather** — is shown by Letters of the Beaufort Scale.  
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more,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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.69
Valencia	51.8	40.8	45.6	43.6	4.24
Roches Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.23
Yarmouth	45.7	36.0	41.1	39.4	1.77

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





## GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30-40 ins. to 30-55 ins. over Ireland, England, the Netherlands, the NE. of France and W. of Germany.  
Lowest, 25-30 ins. at Haparanda and 30-40 ins. at disorb.  
Gradient shells slight except over north-half of Scandinavia  
Barometer falling slightly in southwest and south and quickly over Finland, steady in Scotland.

TEMPERATURE

Highest, 53° at Lathom, 51° at Biarritz, 46° at Stromway, and Lumburgh Head and 41 even at Christian sand.  
Lowest, 24° to 28° over Central part of England and Ireland, 23° at Haparanda, 31° at London, Paris, and Westaden, and 35° at Lyons and Ragnary.  
It is lower in most places than it was yesterday, but higher in Sweden. The maximum readings in Scotland and the SW of France yesterday were very high.

WIND

Very light and variable or calm, over Ireland, England, and the Netherlands.  
Moderate E<sup>s</sup> in the Bay of Biscay and at the mouth of the Channel.  
Light SW<sup>s</sup> to W<sup>s</sup> in Scotland - strong to a gale (SW<sup>s</sup>) in the north-west of Norway.

WEATHER

Fine and bright in the west and south of France, the east and north of our Islands, as well as in Sweden and Denmark. Cloudy and rainy in the west of Norway. Very foggy over England, the Netherlands and north-east of France.

SEA

High off <sup>the</sup> N.W. of Norway, rather rough at Lumburg Head and Selly, moderate at Hawke Point, smooth elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the barometer is falling a little more in the south-west than in the north the E<sup>3</sup> wind on our south-west coast may spread northwards a little, but there is no indication of any great change of weather over our Islands at present.

## FORECASTS

for the 24 hours ending at NOON on 5<sup>TH</sup> MARCH 1887.

DISTRICTS.

## FORECASTS.

0	SCOTLAND NORTH	SW <sup>ly</sup> to W <sup>ly</sup> winds, moderate to strong; dull to showery.
1	SCOTLAND EAST	NW <sup>ly</sup> breezes, moderate or light; fine.
2	ENGLAND N. E.	-----D°-----D°-----D°-----
3	ENGLAND EAST	Same as N°5.
4	MIDLAND COUNTIES	Same as N°5.
5	ENGLAND SOUTH	Calm and varying airs; thick fogs, cold.

## DISTRICTS.

## FORECASTS.

6	SCOTLAND WEST	SW <sup>W</sup> and W <sup>W</sup> breezes; light; fair generally.
7	ENGLAND N. W.	----- D° ----- D° ----- D° -----
8	ENGLAND S. W.	E <sup>W</sup> breezes, moderate to light, fair, foggy.
9	IRELAND NORTH	Varying light breezes; fair, local fogs cold at night.
10	IRELAND SOUTH	----- D° ----- D° ----- D° -----

## WARNINGS

None issued



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeanæs ...	30.21	45	45	W 4	n f	3	Holyhead ...	30.56	46	42	Z 0	0	0
Sumburgh Head ...	30.44	47	46	W 5	o d	3	Valencia ...	30.51	49	44	E 2	0	2
Sternøway ...	30.51	50	49	SW 6	o q m	5	Scilly ...	30.47	48	47	E 5	0	4
Aberdeen ...	30.37	56	51	SW 3	b	1	Dungeness ...	30.56	35	35	W 1	f	0
Shields ...	30.46	52	47	W 2	b	2	London ...	30.55	46	43	W 1	b m	*
Ardrossan ...	30.50	46	45	W 2	0	2	Yarmouth ...	30.54	40	39	Z 0	b f	2
Malin Head ...	30.48	48	46	W 3	0	2	Jersey ...	30.50	49	46	E 2	b	2
Mullaghmore ...	30.51	50	45	W 2	0	2	Rochefort ...	30.09	67	58	ESE 3	b	2
Belmullet ...	30.51	50	46	SW 3	0	*							

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

The Continental Reports for yesterday have not arrived

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Saturday 5<sup>th</sup> March 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 2.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
	In.	°				In.	In.	°	°	-					°	°	In.	
<b>SCANDINAVIA.</b>																		
Haparanda ..	29.36	28	NW	2	b	29.44	+ .25	17	16	- 12	N	2	b	*	41	9	-	
Hernösand ...	29.78	35	WNW	6	b	29.80	+ .14	34	31	- 9	Z	0	b	*	43	34	-	
Stockholm ...	29.68	46	NW	4	bc	29.89	+ .01	36	33	- 3	W	4	c	*	50	36	-	
Wisby ...	29.89	41	WNW	4	b	29.91	.00	36	35	0	WNW	2	b	*	46	36	-	
Bodö ...	29.63	32	WNW	2	0	29.75	+ .37	29	27	- 7	WSW	7	c	4	36	?	-	
Christiansund...	29.97	38	WSW	3	n	29.89	- .06	44	44	+ 3	WSW	8	n	6	40	36	1.70	
Skudesnaes ...	30.25	43	WNW	2	0	30.17	- .08	42	41	- 2	WNW	4	0	4	46	?	-	
Christiania Fjord (Fæder)	29.97	38	WSW	4	n	29.98	- .07	41	38	- 2	W	6	b	2	48	?	-	
Skagen (The Scaw)	30.06	42	NW	3	b	30.02	- .07	40	39	- 2	NW	3	b	2	46	37	-	
Fanö ...	30.26	36	W	4	b	30.23	- .09	38	37	- 1	W	4	b	*	43	34	-	
<b>BRITISH ISLANDS.</b>																		
Sumburgh Head	30.18	46	W	4	0	30.16	- .02	45	43	- 1	W	3	c	4	48	43	-	
Stornoway ...	30.32	46	SSW	3	0	30.27	- .08	44	42	- 2	S	3	c	2	49	42	-	
Wick ...	30.31	46	W	2	c	30.26	- .07	43	41	- 2	NW	2	c	1	54	40	-	
Nairn ...	30.35	47	Z	0	0	30.30	- .07	42	40	- 1	Z	0	c	1	50	39	-	
Aberdeen...	30.36	47	SSW	1	0	30.32	- .10	37	35	- 3	W	1	c	0	55	33	-	
Leith ...	30.39	37	W	1	b	30.31	- .14	33	32	- 10	W	1	m	*	53	28	-	
Shields ...	30.39	44	SE	1	m	30.33	- .12	30	30	- 6	Z	0	f	2	49	29	-	
Spurn Head ...	30.40	40	NE	1	b	30.35	- .11	38	37	+ 3	ESE	1	egm	2	47	33	-	
York ...	30.41	45	S	1	b	30.36	- .13	31	31	+ 3	Z	0	f	*	51	28	-	
Loughborough	30.40	38	WNW	1	bc	30.35	- .15	33	33	+ 9	ESE	1	ofa	*	48	24	0.01	
<b>GERMANY.</b>																		
Ardrossan ...	30.39	44	Z	0	b	30.31	- .15	37	35	- 8	N	1	bm	0	50	31	-	
Malin Head ...	30.39	42	ESE	2	om	30.29	- .15	39	39	- 4	SE	2	om	1	45	37	-	
Mullaghmore ...																		
Belmullet ...	30.37	46	ESE	1	b	30.26	- .18	39	38	- 3	E	2	b	*	51	37	-	
Donaghadee ...	30.40	42	SW	2	b	30.30	- .18	42	41	0	SSW	2	b	0	46	38	-	
<b>FRANCE &amp; NETHERLANDS.</b>																		
Barrow-in-Furness.	30.37	41	NW	2	b	30.31	- .17	36	35	- 2	NE	1	bc	*	46	35	-	
Liverpool (Bidston)	30.39	37	SE	1	b	30.30	- .19	32	32	0	ESE	4	f	3	41	30	-	
Holyhead ...	30.38	41	NE	2	bc	30.27	- .19	39	39	+ 1	N	1	f	2	45	36	-	
Parsonstown ...	30.35	49	Z	0	b	30.28	- .20	35	34	+ 8	Z	0	f	*	51	26	-	
Valencia...	30.31	49	SW	1	cm	30.21	- .18	41	40	+ 4	NE	1	0	1	54	35	-	
<b>ITALY.</b>																		
Roche's Point...	30.33	44	E	3	cm	30.24	- .19	43	42	0	ESE	3	m	4	47	38	-	
Pembroke ...	30.34	44	ESE	3	bc	30.25	- .19	39	37	?	E	3	cg	2	50	38	-	
Scilly ...	30.27	47	ESE	6	om	30.19	- .17	44	43	0	ESE	5	om	4	49	40	-	
Prawle Point ...	30.34	39	ESE	5	m	30.23	- .20	41	41	+ 4	ESE	5	f	5	45	35	-	
Jersey ...	30.29	46	NE	2	bm	30.20	- .20	40	40	+ 5	NE	3	f	3	51	35	-	
<b>SPAIN.</b>																		
Hurst Castle ...	30.37	40	E	2	f	30.28	- .19	34	34	+ 1	ESE	1	f	0	42	31	0.01	
Dungeness ...	30.36	38	ESE	4	f	30.28	- .20	37	37	+ 2	ESE	4	f	3	39	35	-	
London ...	30.40	38	E	1	f	30.32	- .18	34	34	+ 3	E	1	f	*	41	30	0.01	
Oxford ...	30.39	35	NW	1	b	30.33	- .17	30	30	+ 5	NE	1	f	*	46	25	-	
Cambridge ...	30.42	33	Z	0	m	30.34	- .17	33	33	+ 8	E	1	0	*	35	24	-	
<b>PORTUGAL.</b>																		
Yarmouth ...	30.41	38	E	1	f	30.34	- .15	38	37	+ 1	E	3	bcf	3	39	34	-	
Cuxhaven ...	30.40	40	W	2	f	30.32	- .08	39	39	+ 2	NW	2	b	*	?	37	-	
Berlin ...	30.30	46	NW	3	0	30.22	- .12	39	37	- 3	WNW	3	0	*	48	33	-	
Wiesbaden ...	*	*	*	*	*	30.28	- .26	32	31	+ 1	SE	1	m	*	48	30	-	
Munich ...	30.28	32	E	2	m	30.21	- .30	32	31	- 3	E	3	b	*	46	28	-	
<b>AFRICA.</b>																		
The Helder ...	30.41	39	WSW	1	f	30.33	- .16	38	38	+ 1	NE	1	f	1	39	37	-	
Brussels ...	*	*	*	*	*	30.29	- .22	37	37	+ 5	ESE	3	n	*	47	?	0.04	
<b>ASIA.</b>																		
Cape Gris Nez...																		
Paris ...	30.32	51	N	3	b	30.22	- .24	36	36	+ 6	N	1	f	*	59	?	-	
Brest ...	30.26	55	Z	0	m	30.18	- .16	45	42	+ 3	ESE	4	0	3	63	34	-	
<b>AUSTRALIA.</b>																		
Lorient ...	30.26	50	E	3	bc	30.16	- .17	43	41	+ 3	E	3	b	2	59	37	-	
Rocheport ...	30.26	55	N	4	b	30.16	- .20	39	37	+ 1	ESE	4	b	2	63	34	-	
Belfort ...	30.30	40	E	1	b	30.15	- .26	34	34	+ 2	NE	3	f	*	42	34	-	
Lyons ...	30.27	50	E	1	b	30.18	- .26	34	33	- 1	N	1	b	*	56	34	-	
Nice ...	30.23	49	Z	0	b	30.16	- .12	43	?	- 3	Z	0	b	1	57	39	-	
<b>NEW ZEALAND.</b>																		
Perpignan ...	30.24	47	Z	0	b	30.16	- .20	35	35	0	NE	1	b	*	59	32	-	
Biarritz ...	30.17	58	ESE	4	b	30.05	- .20	50	43	- 1	Z	0	b	0	63	46	-	
<b>NEW ZEALAND.</b>																		
Corunna ...	*	*	*	*	*													
Lisbon ...	29.99	61	ESE	5	c	29.93	- .13	52	51	- 1	NE	7	n	2	63	50	1.10	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Saturday, 5<sup>th</sup> March.

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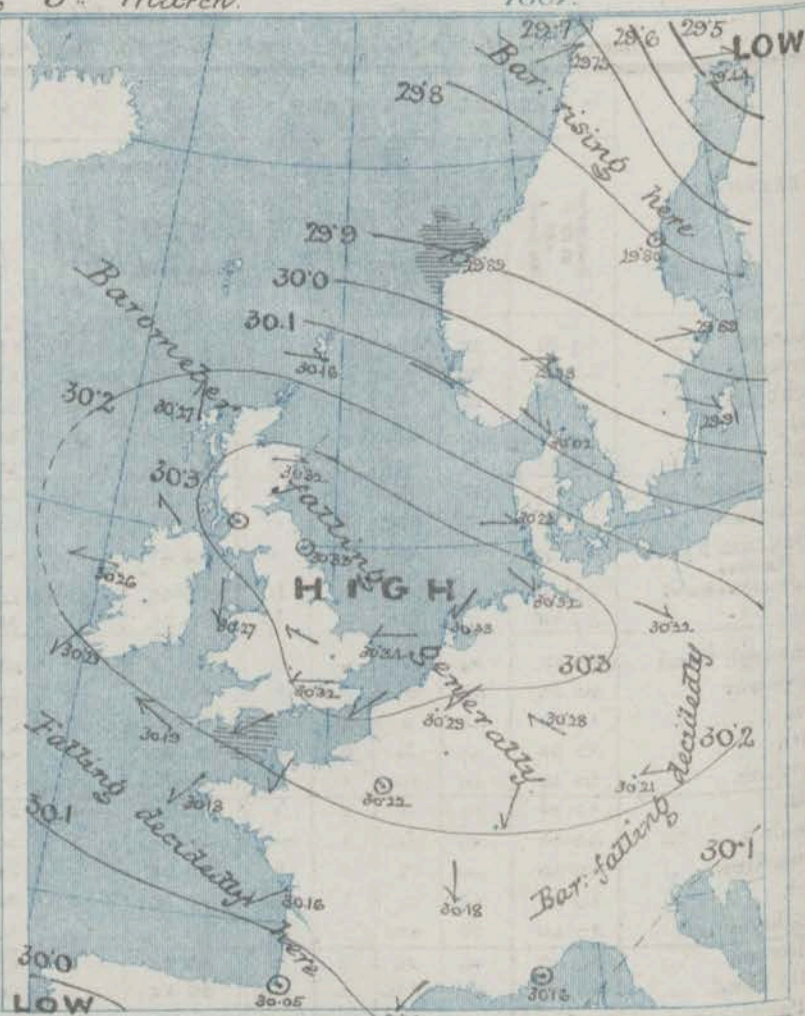
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen.	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roche's Point	29.936
Pembroke	29.942
Scilly	29.968
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



## 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 March.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.	At 8 p.m.	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
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Liverpool	47.6	37.2	41.5	38.9	1.69
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Yarmouth	45.7	36.0	41.1	39.4	1.77

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	<p>Highest, 30.30 to 30.36 in., over north and east of England and the Netherlands.          Lowest, 29.93 in. at Lisbon, and 29.44 in. at Haparanda.          Gradients moderate in north, slight elsewhere.          Barometer falling slowly in most places, rising over north of Scandinavia.</p>
TEMPERATURE	<p>Highest, 52° at Lisbon, 50° at Biarritz, 45° at Lumburg Head and Brest, 44° at Christiansund and Scilly.          Lowest, 17° at Haparanda, 30° at Munich and 30° to 35° over the inland parts of England and Ireland.</p>
WIND	<p>Light to moderate from N. or NE. over France, from E. in the Channel, light SE on our western coasts.          Very variable and light over Great Britain.          W over Scandinavia, and still blowing agale at Christiansund and Bodø.</p>
WEATHER	<p>Very fine over the southern and western parts of France, as well as in Sweden and on the eastern shores of the North Sea — fair in Scotland and Ireland (but hazy, locally).          Thick wet fog again prevails over England, the Netherlands, and north of France.</p>
SEA	<p>Rough in the far north, rather so at the mouth of the Channel, little disturbed elsewhere.</p>

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed near Finland yesterday is passing away to Russia and the barometer is rising in its rear.

Over the whole of the British Isles and Western Europe the barometer is falling — most in the south. The E. wind though of little force appears to be spreading over the British Isles, and will probably be general shortly and fresher in the south.

The anticyclone appears to be dispersing very slowly.

## FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	W <sup>ly</sup> to S <sup>ly</sup> winds, light; fair.	6 { SCOTLAND WEST	SE <sup>ly</sup> breezes, light; fine.
1 { SCOTLAND EAST	Calms and SE <sup>ly</sup> breezes; fair, foggy.	7 { ENGLAND N. W.	— D° — D° — D° —
2 { ENGLAND N. E.	— D° — D° — D° —	8 { ENGLAND S. W.	Same as N° 5.
3 { ENGLAND EAST	Same as N° 5	9 { IRELAND NORTH	Same as N° 6.
4 { MIDLAND COUNTIES	Same as N° 1	10 { IRELAND SOUTH	E <sup>ly</sup> breezes, moderate; fine.
5 { ENGLAND SOUTH	E <sup>ly</sup> winds, light to moderate, dull and damp then finer.	WARNINGS	NONE ISSUED.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.25	46	44	WNW 4	0	4	Holyhead ...	30.41	45	42	NE 3	6	2
Sumburgh Head ...	30.20	46	44	W 4	0	5	Valencia ...	30.34	54	50	NEW 3	6cm	3
Stornoway ...	30.33	49	46	SEW 4	0	3	Scilly ...	30.30	48	47	E 6	cm	4
Aberdeen ...	30.38	52	46	W 2	6	0	Dungeness ...	30.43	39	39	ESE 3	f	1
Shields ...	30.41	47	43	E 2	6	2	London ...	30.44	39	38	SE 0	f	0
Ardrossan ...	30.42	48	45	SSW 1	6	0	Yarmouth ...	30.45	39	38	SE 1	f	2
Malin Head ...	30.44	45	43	NW 2	0	2	Jersey ...	30.33	50	47	ESE 2	6	2
Mullaghmore ...	30.40	47	43	ESE 2	6	2	Rochefort ...	30.34	53	49	NW 3	6	2
Belmullet ...	30.39	52	47	ESE 1	6	0							

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

The Continental reports for yesterday morning showed that pressure was highest, 30.3 ins. and upwards, in a large anticyclone system covering the whole of the British Islands and France as well as the greater part of Germany, Spain and Algeria. The lowest readings 29.3 ins. and less, were found in a depression, the centre of which was apparently skirting the North Cape. The wind was SW or W in Scandinavia, but NW over Russia, Austria, and North Germany. On the west coasts of our Islands, however, it was chiefly E or SE, while over Central Europe calm or variable air was reported. The weather was fair on the whole, but a good deal of mist or fog prevailed locally. Temperature had risen a little in Austria and Italy, but fallen in most other countries, readings ranged from 50° and upwards at the Spanish, Algerian and Mediterranean stations to 32° or below over France, England and Russia. The highest individual readings were 66° at Nemours, 58° at Bilbao, 57° at San Fernando and Oran, 56° at Loguana, Alicante and Malta, and 55° at Boudiri; the lowest were 10° at Archangel, 18° at Moscow, 20° at Krasnoyarsk, and 22° at Clermont and Uleaborg, and 24° at Doughty (England).

In the course of the day the depression in the extreme north moved eastwards, and the barometer rose over Scandinavia. In our Islands and France a gradual fall took place, with some extension of the easterly winds.

### General Remarks for the 24 hours ended at 8 am March 4<sup>th</sup> 1887.

The Continental reports for Thursday morning showed that pressure was highest, 30.5 ins. and upwards, in an anticyclone lying over England, Ireland, the Netherlands and the greater part of France, while the lowest readings 29.3 ins. and less were found over North Russia. A second area of low pressure (29.9 ins. and less) was, however, lying off the southwest of Spain. At all the more northern and eastern stations the wind varied between W. and NW, but in the south it was chiefly E, while over Central Europe light variable air was reported. The weather was fine over France, Italy and Algeria, but cloudy or overcast elsewhere, with fog in many places, and rain in the west of Norway. Temperature had fallen a little over Italy, and the northern parts of France and Russia, but risen in most other localities; readings ranged from 50° and upwards at several of the Spanish, Algerian and Mediterranean stations to 32° or less over Central and Northern Europe. The highest individual readings were 56° at Bilbao, San Fernando, and Biskia, 55° at Alicante and Malta, and 54° at Nemours, Oran, Algiers, Porto, and Boudiri, the lowest were 16° at Archangel, 24° at Moscow, 25° at Uleaborg, 26° at St. Petersburg and 28° at Krasnoyarsk.

In the course of the day the barometer rose decidedly over Scandinavia, while it fell slowly over our Islands and France. Very little change, however, was observed in the winds or weather.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Sunday 6<sup>th</sup> March

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.)			Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.				
Haparanda ..	29.69	23	NW	4	b	29.77	+ .08	13	13	- 4	Z	0	o	*	34	?	-		
Hernösand ...	29.89	29	Z	0	c	29.85	+ .05	33	32	- 1	W	2	b	*	46	28	-		
Stockholm ...	29.99	36	SE	2	b	29.90	+ .01	38	35	+ 2	W	2	b	*	50	32	-		
Wisby ...	29.92	39	W	2	b	29.94	+ .03	39	37	+ 3	WSW	4	b	*	43	32	-		
Bodö ...	29.81	31	NNW	4	o	29.45	- .30	39	37	+ 10	SW	6	r	4	39	27	0.04		
Christiansund...	29.40	45	WSW	8	r	29.88	- .01	45	41	+ 1	SW	6	c	5	45	43	1.22		
Skudesnaes ...	30.15	43	WNW	2	o	30.13	- .04	42	41	0	NW	4	c	3	45	42	-		
Christiania Fjord (Færd)	29.98	42	WSW	2	b	30.00	+ .02	38	37	- 3	Z	0	b	1	43	37	-		
Skagen (The Scaw)	30.00	37	N	1	b	30.02	0.0	34	34	- 6	NW	1	b	1	46	32	-		
Fanö ...	30.14	37	W	4	b	30.13	- .10	39	38	+ 1	WNW	4	o	*	48	36	-		
Sumburgh Head	30.13	44	W	2	b	30.09	- .07	45	44	0	W	2	o	3	49	42	-		
Stornoway ...	30.21	45	WSW	3	o	30.18	- .09	38	38	- 6	WSW	2	b	1	47	35	-		
Wick ...	30.20	44	Z	0	o	30.17	- .09	39	37	- 4	W	1	b	0	49	36	-		
Nairn ...	30.21	38	Z	0	b	30.21	- .09	31	30	- 11	Z	0	7	1	50	29	-		
Aberdeen...	30.24	41	SSW	1	b	30.22	- .10	31	31	- 6	WSW	1	f	0	50	30	-		
Leith ...	30.23	42	E	1	b	30.23	- .08	37	37	+ 4	E	1	f	*	47	31	-		
Shields ...	30.25	37	SE	2	f	30.24	- .09	32	32	+ 2	S	1	m	2	43	29	-		
Spurn Head ...	30.28	38	ESE	2	c	30.25	- .10	38	37	0	SE	2	cg	2	40	35	-		
York ...	30.29	36	SE	1	om	30.25	- .11	34	33	+ 3	SE	1	o	*	37	31	-		
Loughborough	30.28	34	ESE	2	o	30.24	- .11	35	34	+ 2	ENE	1	agm	*	37	32	-		
Ardrossan ...	30.20	44	NW	2	cm	30.21	- .10	36	36	- 1	NE	2	ofur	1	48	33	-		
Malin Head ...	30.21	42	E	3	c	30.20	- .09	42	42	+ 3	E	2	om	1	45	39	-		
Mullaghmore ...	30.18	46	E	4	o	30.18	- .11	45	43	+ 9	E	3	om	2	47	35	-		
Belmullet ...	30.17	46	E	1	c	30.19	- .07	39	39	0	E	1	c	*	49	36	-		
Donaghadee ...	30.21	44	NNE	3	b	30.21	- .09	41	41	- 1	E	3	o	1	47	41	-		
Barrow-in-Furness	30.20	43	E	2	b	30.21	- .10	34	33	- 2	NE	1	cm	*	47	33	-		
Liverpool (Bidston)	30.22	35	SE	4	f	30.19	- .11	34	33	+ 2	ESE	4	o	3	41	31	-		
Holyhead ...	30.18	46	Z	0	m	30.15	- .12	40	39	+ 1	NE	1	m	1	50	37	-		
Parsonstown ...	30.18	48	Z	0	o	30.17	- .11	38	38	+ 3	Z	0	f	*	49	33	-		
Valencia ...	30.14	48	NNW	1	cm	30.13	- .08	45	43	+ 4	NNE	2	barr	1	40	40	-		
Roche's Point...	30.16	47	ESE	2	m	30.12	- .12	44	43	+ 1	E	3	m	4	48	41	-		
Pembroke ...	30.21	47	ESE	3	c	30.15	- .10	37	36	- 2	E	3	mg	2	49	36	-		
Scilly ...	30.10	46	E	5	of	30.05	- .14	44	44	0	ESE	5	om	4	48	41	-		
Prawle Point...	30.15	40	ENE	5	o	30.11	- .12	37	36	- 4	NE	5	o	5	46	24	-		
Jersey ...	30.10	41	NE	3	f	30.05	- .15	38	38	- 2	ENE	4	f	3	44	37	0.01		
Hurst Castle ...	30.19	42	NE	2	f	30.13	- .15	39	39	+ 5	ENE	5	o	3	44	32	-		
Dungeness ...	30.21	39	ENE	5	c	30.14	- .14	38	38	+ 1	ENE	4	f	4	41	36	-		
London ...	30.25	38	E	2	o	30.21	- .11	37	36	+ 3	ENE	2	og	*	40	31	-		
Oxford ...	30.25	36	NE	2	o	30.22	- .11	36	35	+ 6	NE	2	og	*	37	30	-		
Cambridge ...	30.27	38	E	1	o	30.23	- .11	37	37	+ 4	ENE	1	o	*	39	32	-		
Yarmouth ...	30.27	39	ENE	3	b	30.23	- .11	38	37	0	ENE	3	b	3	40	35	-		
Cuxhaven ...	30.24	40	WNW	2	b	30.20	- .12	38	37	- 1	WNW	3	b	*	41	36	-		
Berlin ...	30.15	44	NW	2	c	30.15	- .07	35	35	- 4	NW	2	f	*	50	32	-		
Wiesbaden ...	*	*	*	*	*	30.13	- .15	36	35	+ 4	NW	1	c	*	50	32	-		
Mannich ...	30.11	38	Z	0	b	30.09	- .12	30	30	- 2	E	3	f	*	46	28	-		
The Helder ...	30.26	36	NNE	1	f	30.24	- .09	35	35	- 3	NNE	1	b	1	43	32	-		
Brussels ...	*	*	*	*	*	30.17	- .12	32	32	- 5	E	3	f	*	40	?	0.04		
Cape Gris Nez...	30.19	37	ENE	4	f	?	?	34	34	?	E	4	f	4	37	34	-		
Paris ...	30.10	49	NNE	4	b	30.08	- .14	38	38	+ 2	NE	4	o	*	?	?	-		
Brest ...	30.06	53	NE	5	o	30.01	- .17	38	38	- 7	E	5	m	4	63	34	-		
Lorient ...	30.05	51	E	1	b	30.00	- .16	41	39	- 2	E	4	b	2	64	37	-		
Rochefort ...	30.03	57	NNW	3	b	29.99	- .17	41	40	+ 2	ENE	4	b	2	66	36	-		
Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Lyons ...	30.04	48	N	1	b	30.04	- .14	35	35	+ 1	ENE	1	b	*	59	33	-		
Nice ...	30.05	49	ESE	1	b	30.00	- .16	45	41	+ 4	Z	0	b	0	57	43	-		
Perpignan ...	30.05	50	E	3	b	29.99	- .17	48	47	+ 13	E	1	o	*	55	?	-		
Biarritz ...	29.94	55	Z	0	c	29.90	- .15	49	42	- 1	Z	0	b	0	63	42	-		
Corunna ...	*	*	*	*	*	*	*	50	49	- 6	E	1	f	2	72	46	-		
Lisbon ...	29.91	56	SSE	5	o	29.87	- .06	55	55	+ 3	SSW	5	r	4	79	?	0.75		

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

Sunday 6<sup>th</sup> March

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;  
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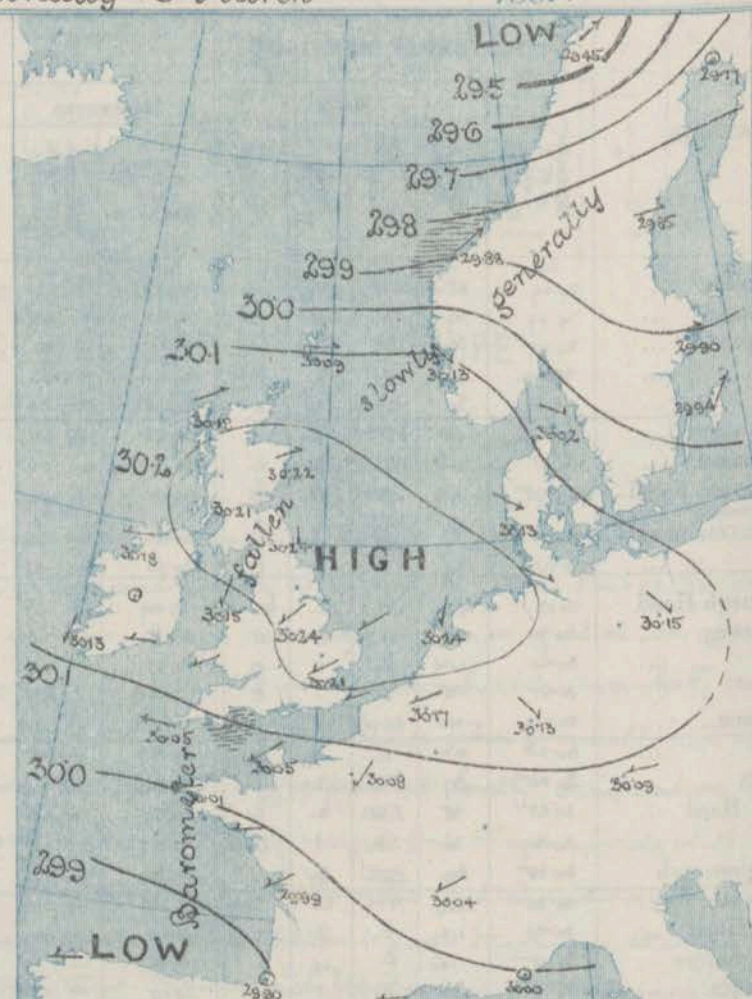
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## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.776
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Hurst Castle	29.958
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## TEMPERATURE, & WEATHER at 8 A.M. with RAINFALL in PAST 24 HOURS.

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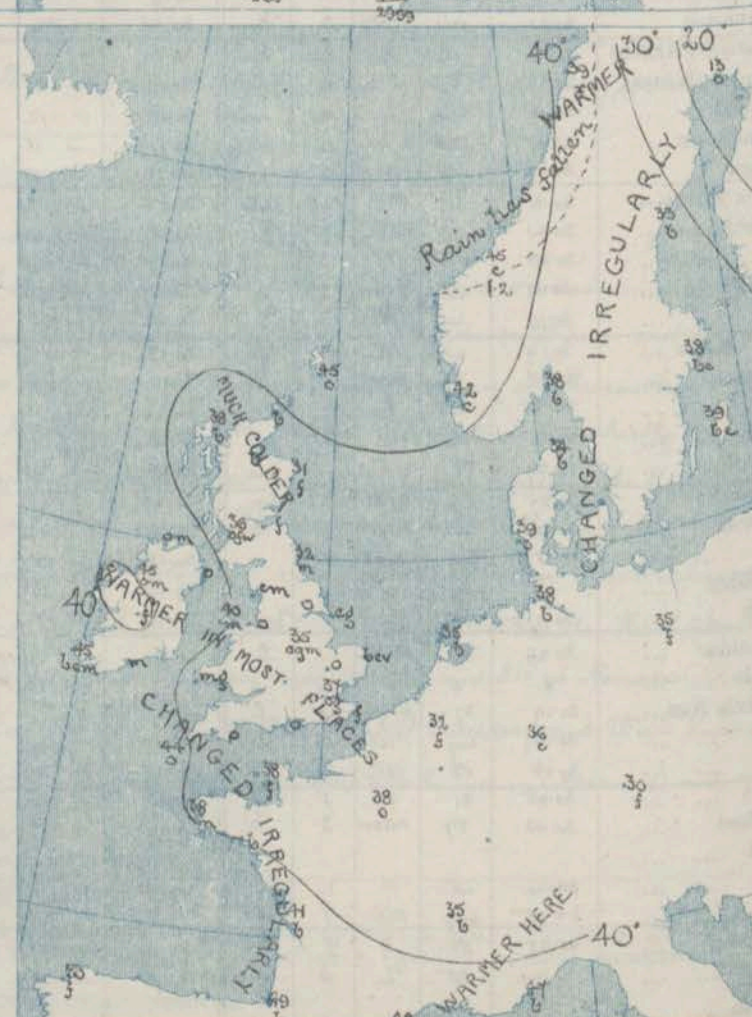
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## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE.				RAINFALL (Inches).
	Daily Max	Daily Min.	At 8 a.m.		
			Dry	Wet.	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
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Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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





## GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.2 ins. and upwards, in an anticyclone lying over the greater part of Scotland, England, and Ireland. lowest, 29.5 ins. and less, in a depression lying off the NW. of Norway, but relatively low 29.9 ins. and less in a large area lying over the Iberian Peninsula.
TEMPERATURE	Highest, 55° at Lisbon, 50° at Genoa, 49° at Biarritz, and 45° at Christiansund, Lumburg Head and Valencia. lowest, 13° at Haparanda, 30° at Munich, 31° at Kain and Aberdeen, and 32° at Shields and Brussels.
WIND	Strong SW in the west of Norway, light W or SW at our northern and the Scandinavian stations generally. Elsewhere, fresh to strong in force over the English Channel, but light or moderate elsewhere.
WEATHER	Dull and misty at several of the English and Irish stations. Foggy in Germany and the Netherlands, fair or fine elsewhere.
SEA	Rather rough at Christiansund and Havel Point, moderate to smooth elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone recently noticed over our northern and eastern stations has become somewhat reduced in height, and a new depression has appeared off the northwest of Norway, so that the barometer has fallen generally, most at Bodø.

The general distribution of pressure, however, remains unchanged.

## FORECASTS

for the 24 hours ending at NOON on 7<sup>th</sup> March 1887.

### DISTRICTS.

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

### FORECASTS.

None issued

### DISTRICTS.

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

### WARNINGS

### FORECASTS.

None issued

None issued.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnes ...	30.16	45	44	WNW	4	0	Holyhead ...	30.22	51	47	2	0	0
Sumburgh Head ...	30.14	47	45	W	2	bc	Valencia ...	30.17	49	46	NE	1	om
Stornoway ...	30.20	46	45	WSW	3	0	Scilly ...	30.15	48	47	ESE	5	0
Aberdeen ...	30.27	47	43	S	2	b	Dungeness ...	30.24	41	40	ENE	5	0
Shields ...	30.27	42	40	SE	1	m	London ...	30.27	40	39	E	3	*
Ardrossan ...	30.24	45	45	NW	2	b	Yarmouth ...	30.31	40	39	E	2	bc
Malin Head ...	30.22	44	44	E	3	b	Jersey ...	30.44	44	44	ENE	3	c
Mullaghmore ...	30.23	46	43	E	5	cm	Rocheport ...	30.10	64	5	SE	1	b
Belmullet ...	30.24	49	45	ENE	1	0							0

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

The reports for yesterday morning showed that pressure remained highest (30.1 in. to 30.3 in.) over the British Isles, France and the west of Germany, while it was lowest 29.3 in. over Central Russia. The barometer was falling slowly over Spain, France, and the British Isles, but rising over Northern Europe and the Baltic. The wind was W and NW over Central and Northern Europe, the Baltic and Scandinavia, and blew hard at several Norwegian stations; in France and the British Isles, however, it was chiefly E<sup>†</sup> (SE to NE) and of moderate strength. The weather was dry in most places, but heavy rain had fallen at Christiansund, and also at Lisbon, where thunderstorms were reported. Fog still prevailed over the north-east of England and at some of the Dutch and German stations. Temperature was rather low over some inland parts of the Continent and was above 50° over the southern parts of the Mediterranean and the coast of the Peninsula only. The highest individual values were 61° at Algiers, 56° at Bilbao and Girona, 55° at Malta and Rhaidi, 53° at Biskra (Algeria) and Naples, 51° at Barcelona and 50° at Cagliari; the lowest 11° at Archangel, 16° at Haparanda and Uleaborg, 22° at Moscow and 30° at Shields.

During the day, the barometer continued to fall over South-western and Western Europe, and the E<sup>†</sup> wind at Lisbon veered to S, but hardly any other change of importance was noticed.

### 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 7<sup>th</sup> March 1887.

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

Issued by the Meteorological Office, No. 1, Abchurch Lane, London, E.C. 4, 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 ..	29.25	32	S	4	b	29.19	-.58	26	23	+ 13	HW	6	c	*	34	10	0.04				
Hernösand ...	29.67	41	W	0	b	29.74	-.11	32	30	- 1	HW	8	b	*	45	28	-				
Stockholm ...	29.86	44	W	2	b	29.89	-.01	36	33	- 2	HW	4	b	*	52	34	-				
Wisby ...	29.99	41	SW	2	b	29.90	-.04	37	36	- 2	HW	4	b	*	48	34	-				
Bodö ...	29.37	31	W	6	o	29.34	-.11	38	31	- 6	HW	6	c	3	39	27	0.04				
Christiansund...	29.94	41	NEW	6	o	30.21	+ 33	35	32	- 10	HW	8	c	6	46	30	0.08				
Skudesnaes ...	30.16	43	HW	2	o	30.25	+ 12	40	38	- 2	HW	4	b	3	46	?	-				
Christiania Fjord (Færder)	29.97	42	SSW	4	b	30.06	+ 06	42	37	+ 4	HW	6	b	1	43	?	-				
Skagen (The Scaw)	30.00	38	W	0	b	30.04	+ 02	39	38	+ 5	HW	2	b	1	45	32	-				
Fanö ...	30.13	37	W	4	b	30.17	+ 04	40	39	+ 1	HW	4	b	*	43	37	-				
BRITISH ISLANDS.																					
Sumburgh Head	30.11	45	W	3	o	30.34	+ 25	39	36	- 6	W	1	b	2	47	36	-				
Stornoway ...	30.25	47	NEW	3	o	30.33	+ 15	35	35	- 3	HW	1	b	0	50	33	0.01				
Wick ...	30.27	46	SW	2	o	30.38	+ 21	41	40	+ 2	W	1	c	1	54	35	-				
Nairn ...	30.25	42	W	0	c	30.35	+ 14	44	42	+ 13	W	0	c	0	53	29	-				
Aberdeen...	30.26	40	S	1	b	30.38	+ 16	39	38	+ 8	W	0	m	0	45	30	-				
Leith ...	30.26	38	E	1	o	30.38	+ 15	38	37	+ 1	SE	1	o	*	39	35	-				
Shields ...	30.22	38	E	1	om	30.38	+ 14	39	37	+ 7	E	2	o	2	39	31	-				
Spurn Head ...	30.24	36	E	2	o	30.35	+ 10	38	36	0	NE	3	og	3	40	35	-				
York ...	30.25	37	SSE	1	o	30.36	+ 11	37	35	+ 3	E	1	o	*	40	33	-				
Loughborough	30.23	39	ESE	2	o	30.32	+ 08	36	34	+ 1	ESE	2	ogm	*	43	34	-				
Ardrossan ...	30.21	45	NE	2	b	30.31	+ 10	37	36	+ 1	NE	4	b	2	46	35	-				
Malin Head ...	30.23	43	NE	3	c	30.24	+ 04	41	41	- 1	NE	3	m	3	46	41	-				
Mullaghmore ...	30.19	45	ESE	4	b	30.23	+ 05	39	38	- 6	E	5	m	4	50	39	-				
Belmullet ...	30.18	47	NE	3	b	30.20	+ 01	39	36	0	ESE	2	b	*	49	38	-				
Donaghadee ...	30.22	45	NE	3	c	30.31	+ 10	39	39	- 2	E	4	o	2	47	37	-				
Barrow-in-Farness	30.21	41	SW	1	b	30.33	+ 12	34	33	0	NE	2	b	*	43	33	-				
Liverpool (Bidston)	30.21	38	ESE	2	b	30.33	+ 14	34	33	0	E	3	o	3	41	33	-				
Holyhead ...	30.14	44	W	0	om	30.24	+ 09	37	37	- 3	ESE	4	b	3	48	36	-				
Parsonstown ...	30.12	47	NE	1	b	30.20	+ 03	33	33	- 5	W	0	b	*	52	30	-				
Valencia ...	30.08	47	WSW	1	b	30.11	-.02	44	41	- 1	E	3	cm	3	55	37	-				
Roche's Point...	30.11	45	ESE	4	m	30.13	+ 01	44	41	0	ESE	5	cm	4	48	40	-				
Pembroke ...	30.01	42	ESE	4	c	30.19	+ 04	37	36	0	ESE	5	c	4	44	36	-				
Scilly ...	30.02	42	E	6	c	30.06	+ 01	47	46	+ 3	ESE	7	o	6	47	42	-				
Prawle Point ...	30.06	44	ESE	5	b	30.17	+ 06	40	39	+ 3	ESE	6	o	6	46	35	-				
Jersey ...	30.00	40	NE	3	b	30.11	+ 06	40	40	+ 2	ESE	4	c	3	44	37	-				
Hurst Castle ...	30.11	44	E	2	c	30.18	+ 05	38	36	- 1	ESE	5	c	2	46	35	-				
Dungeness ...	30.09	42	ESE	5	b	?	?	41	40	+ 3	ESE	5	c	4	45	37	-				
London ...	30.18	43	ESE	4	b	30.28	+ 07	38	35	+ 1	ESE	4	o	*	49	35	-				
Oxford ...	30.21	37	NE	2	b	30.31	+ 09	34	32	- 2	ESE	3	o	*	46	33	-				
Cambridge ...	30.26	38	E	1	o	30.31	+ 08	38	34	+ 1	E	1	o	*	51	23	-				
Yarmouth ...	30.23	40	WSE	3	b	30.30	+ 07	39	37	+ 1	ESE	4	c	4	40	35	-				
Cuxhaven ...	30.21	40	HW	2	o	30.24	+ 04	39	38	+ 1	HW	2	o	*	41	38	-				
Berlin ...	30.19	38	SW	2	o	30.23	+ 08	39	37	+ 4	W	2	o	*	43	?	-				
Wiesbaden ...	*	*	*	*	*	30.19	+ 06	37	35	+ 1	NE	3	b	*	48	32	-				
Munich ...	30.08	31	HW	1	m	30.15	+ 06	31	31	+ 1	NE	3	m	*	36	28	-				
FRANCE & NETHERLANDS.																					
The Helder ...	30.23	39	NE	1	c	30.29	+ 05	39	38	+ 4	NE	1	c	2	41	?	-				
Brussels ...	*	*	*	*	*	30.21	+ 04	34	34	+ 2	ESE	3	o	*	50	?	-				
Cape Gris Nez...	30.11	40	ESE	5	b	30.16	?	37	36	+ 3	E	7	o	5	43	32	-				
Paris ...	30.04	49	NE	3	b	30.12	+ 04	30	30	- 8	W	1	b	*	57	30	-				
Brest ...	29.97	53	E	4	b	30.03	+ 02	41	38	+ 3	E	5	m	4	63	34	-				
Lorient ...	29.98	46	E	3	b	30.06	+ 06	41	37	0	E	3	b	2	55	37	-				
Rocheport ...	29.97	54	E	3	b	30.04	+ 05	40	39	- 1	E	4	b	2	68	34	-				
Belfort ...	? 30.08	38	E	1	m	? 30.10	-	36	36	-	E	3	m	*	41	30	-				
Lyons ...	29.96	55	W	1	b	30.12	+ 08	36	34	+ 1	W	1	b	*	61	34	-				
Nice ...	30.02	48	W	0	o	30.10	+ 10	45	43	- 1	E	1	b	0	59	43	-				
Perpignan ...	29.98	53	E	3	o	30.06	+ 07	50	49	+ 2	W	0	o	*	56	48	-				
Biarritz ...	29.88	56	ESE	3	b	29.95	+ 05	51	45	+ 2	SSE	4	b	1	59	46	-				
PENINSULA.																					
Corunna ...	*	*	*	*	*																
Lisbon ...	29.85	55	S	5	o	29.90	+ 03	54	54	- 1	ESE	3	o	3	59	54	9.28				

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Monday, 7<sup>th</sup> March.

## BAROMETER, WIND & SEA.

(Explanation of Map)

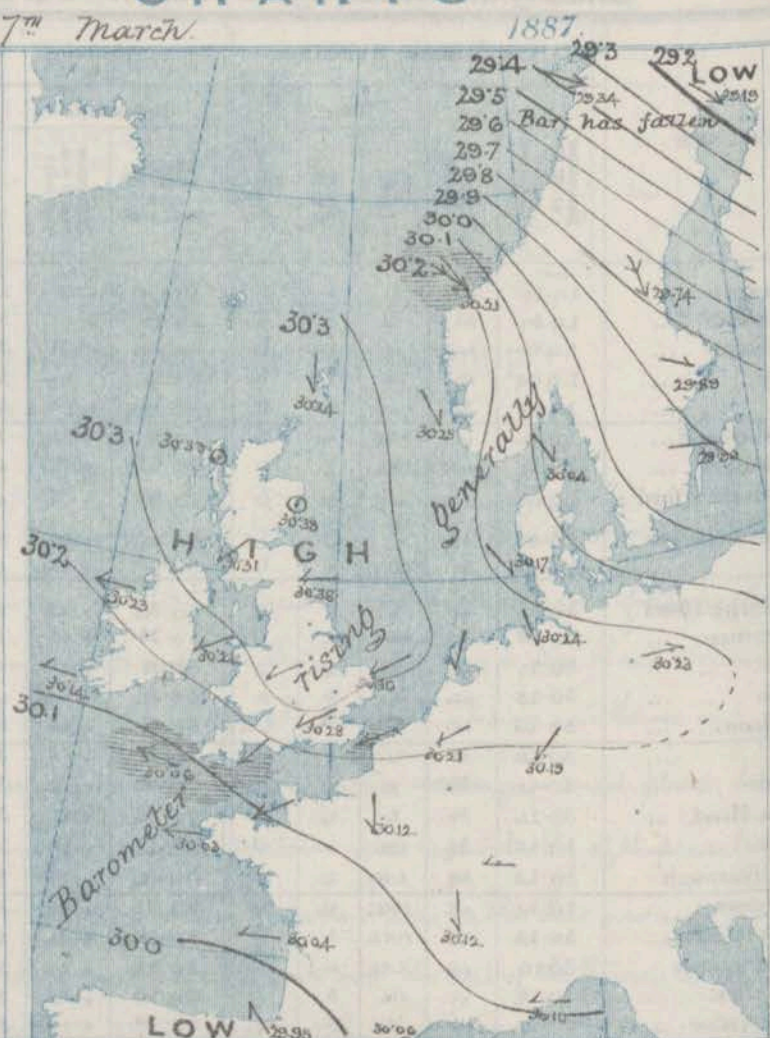
**Barometer**—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind**—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus—  
 \* → = forces above 10; → = forces 8 to 10  
 → = forces 5 to 7; → =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

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

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roche's Point	29.936
Pembroke	29.942
Seilly	29.968
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



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

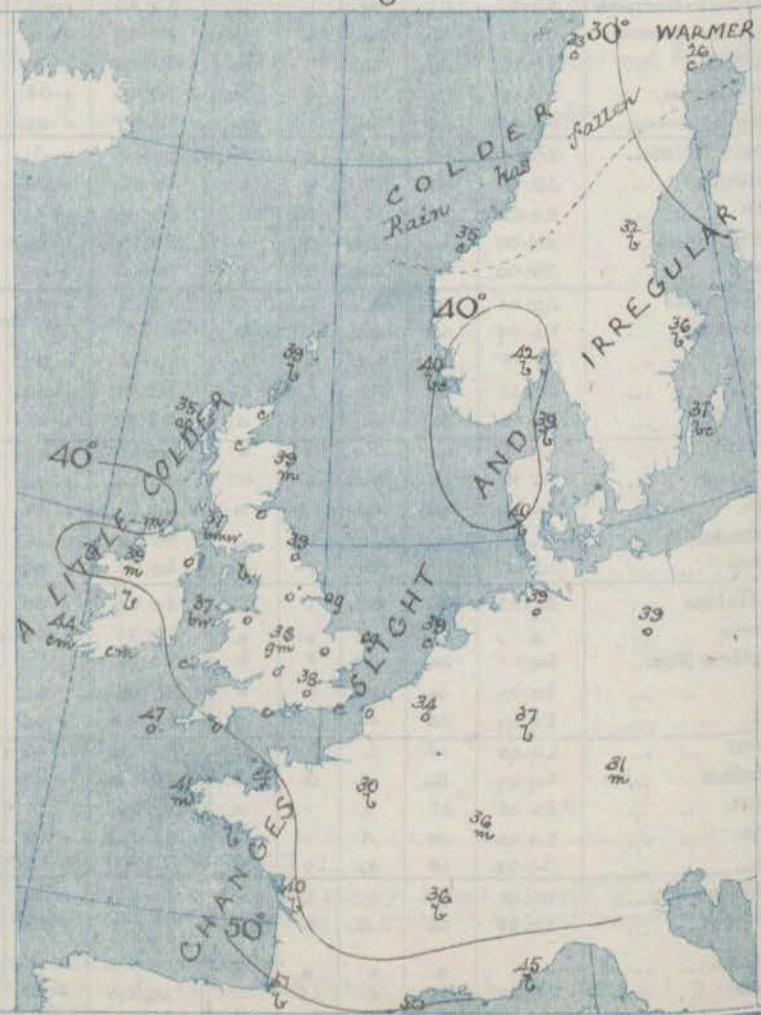
**Temperature**—Isotherms are drawn for each 10° Changes since previous morning are stated in words.  
**Weather** is shown by Letters of the Beaufort Scale.  
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.69
Valencia	51.8	40.8	45.6	43.6	4.24
Roche's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Seilly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Highest, 30.2 in. and upwards, in an anticyclone lying over Scotland and the greater part of England and the North Sea.  
 Lowest, 29.2 in. and less, in the north of Sweden.  
 A large depression is apparently passing along the extreme north of Scandinavia.

### TEMPERATURE

Highest, 54° at Dublin, 51° at Biarritz, <sup>50° at Antwerp</sup> 47° at Seilly, and 44° at Valencia and Rocher Point.  
 Lowest, 26° at Haparanda, 30° at Paris, and 31° at Munich; least in our Islands 33° at Basonstown.  
 Frost occurred last night at some of our Central stations.

### WIND

Strong to gale from NW. in Scandinavia; moderate from the same quarter in Denmark.  
 Variable in the north of Scotland, E. or NE. elsewhere.  
 Moderate in force in most parts of our Islands and France, but strong at the mouth of the Channel.

### WEATHER

Dull at several of the English stations, but fair or fine elsewhere.  
 Solar and lunar halos were seen yesterday in many parts of England.

### SEA

Rough in the western part of the Channel and also at Christiansund, but moderate to smooth elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general fall of the barometer which was in progress yesterday morning has been succeeded by a rise at all but the Scandinavian stations, and the central portion of the anticyclone has moved slightly to the northward.

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

## FORECASTS

for the 24 hours ending at NOON on 8<sup>th</sup> March 1887.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	Light variable airs; cloudy, some mist or fog.
1	SCOTLAND EAST	-----D°-----D°-----D°-----
2	ENGLAND N. E.	E <sup>2</sup> and NE <sup>2</sup> winds, light or moderate; fair generally, but cloudy.
3	ENGLAND EAST	-----D°-----D°-----D°-----
4	MIDLAND COUNTIES	-----D°-----D°-----D°-----
5	ENGLAND SOUTH	E <sup>2</sup> winds, fresh; fair generally.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	E <sup>2</sup> and NE <sup>2</sup> winds, light or moderate; fair generally.
7	ENGLAND N. W.	-----D°-----D°-----D°-----
8	ENGLAND S. W.	E <sup>2</sup> winds, fresh or strong; fair generally.
9	IRELAND NORTH	Same as No 5
10	IRELAND SOUTH	Same as No 5
WARNINGS		NONE ISSUED.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.15	46	45	NW 7	of	3	Holyhead ...						
Sumburgh Head							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						*
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rochefort ...	29.98	61	52	E 3	6	2
Belmullet ...													

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

Yesterday morning's reports showed that pressure remained highest (30.10 ins to 30.25 ins) over the British Islands, North Sea and Germany, while it was lowest (29.5 ins) over South-western Russia and (29.9 ins) over the western parts of the Iberian Peninsula. A new depression was at the same time, approaching Lapland from the north-westward. Thus, while light to moderate E<sup>ly</sup> breezes and dry weather remained prevalent over Ireland, England and France, there were NW<sup>ly</sup> breezes and cloudy weather over Austria, Germany, the Baltic and south-eastern shores of the North Sea. Over Northern Europe, however, the wind was again backing to SW (in the front of the new depression) and beginning to blow hard. Temperature was rather low—the readings being above 50° in Portugal, Spain and the south-eastern parts of the Mediterranean only, while they were nearly as low as the freezing point in some parts of England and several degrees below it over Russia and Finland. The highest individual values were 58° at Algiers, 56° at Oporto, 54° at Malta and Brindisi, 51° at Palermo and Bilbao and 50° at Naples; the lowest were 8° at Archangel, 13° at Uleaborg and Haparanda, 16° at Moscow and Kuopio, and 30° at Tiumen.

During the day little change occurred in the British Isles. In France, however, temperature rose fast. In some parts of England the sky assumed a very unsettled appearance at times, and at night there was a large quantity of low cloud driving rapidly across the sky over London, but these subsequently dispersed.

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

FROM THE 27<sup>th</sup> FEBRUARY TO THE 5<sup>th</sup> MARCH 1887.

During the whole of this week the distribution of pressure, winds and weather over Western Europe have been mainly anticyclonic, but in the outlying districts (such as the west of Ireland and Scotland and the north of Scandinavia) depressions have been observed occasionally, and strong winds or gales, with rain, have been experienced at times.

The central area of the anticyclonic system, lay, at first over Germany, the Netherlands and England, and cold dry foggy weather prevailed over the latter country, with SE<sup>ly</sup> airs, while E<sup>ly</sup> winds and fine cold weather were felt in France and Germany and rain in the north west of Norway. On the 1<sup>st</sup> March the centre of the system moved westwards very slowly, and depressions began to travel in an easterly and south-easterly direction across Lapland and Finland, causing SW<sup>ly</sup> to W<sup>ly</sup> gales in those parts, while the quiet foggy weather continued over England. The fog, however, became very wet, almost like fine rain. By 8 am 2<sup>nd</sup> the centre had reached the south of our islands and the north of France, whence it extended south-eastwards next day, and owing to a giving way of pressure over Spain and the west of France subsequently moved very slowly to the north-eastwards. It was not, however, until Friday that the easterly gradients on its south-western side had extended sufficiently to the northward to clear away the dense wet fogs which had been so long prevalent over England, the Channel, the north of France and North Germany. The week closed with the anticyclone still intact, but of less intensity than it possessed earlier in the week; light to moderate E<sup>ly</sup> breezes were prevailing at the majority of the Irish and English stations, with fair dry cold weather; W<sup>ly</sup> airs and calms in the north with local fogs.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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# DAILY WEATHER REPORT.

for Tuesday 8<sup>th</sup> March 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.	BAROMETR.		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 ...	29.60	18	NW	4	b	29.64	+ .04	21	20	- 5	SW	4	0	*		34	18		
Hernösand ...	30.06	31	NW	8	b	29.96	+ .10	32	28	0	WNW	6	0	*		41	28		
Stockholm ...	30.12	33	NW	6	b	30.23	+ .11	29	26	- 7	WNW	2	0	*		45	?		
Wisby ...	30.08	37	N	6	b	30.24	+ .16	33	29	- 4	N	4	0	*		43	?		
Bodö ...	30.00	31	NW	6	c	29.47	+ .13	33	30	0	WSW	9	0	7		34	30	0.08	
Christiansund...	30.26	35	WSW	4	0	30.02	- .19	42	39	+ 7	WSW	8	0	6		43	34		
Skudesnæs ...	30.34	38	WNW	4	b	30.32	+ .07	41	36	+ 1	SSE	6	0	4		43	34		
Christiania Fjord (Ferder)	30.34	38	NNE	2	b	30.32	+ .26	37	35	- 5	SW	4	0	1		43	34		
Skagen (The Scaw)	30.36	39	E	1	b	30.37	+ .33	36	32	- 3	S	1	0	1		43	34		
Fanö ...	30.28	38	ESE	3	b	30.34	+ .17	34	31	- 6	ESE	3	0	*		43	34		
BRITISH ISLANDS.																			
Sumburgh Head	30.33	42	Z	0	b	30.16	- .18	42	41	+ 3	SSW	1	0	2		47	37		
Stornoway ...	30.28	46	SE	1	b	30.14	- .19	42	41	+ 7	SW	4	0	3		53	33		
Wick ...	30.30	46	E	3	b	30.17	- .21	37	36	- 4	WNW	1	0	0		50	33		
Nairn ...	30.27	44	Z	0	b	30.20	- .15	35	34	- 9	WSW	1	0	1		54	29		
Aberdeen...	30.26	41	S	1	b	30.23	- .15	38	36	- 1	SSW	2	0	0		47	34		
Leith ...	30.35	42	SE	2	b	30.27	- .11	37	36	- 1	WNW	1	0	*		47	31		
Shields ...	30.35	41	E	1	bm	30.26	- .12	37	37	- 2	Z	0	0	2		44	35		
Spurn Head ...	30.33	40	NNE	3	c	30.24	- .11	39	37	+ 1	WNW	1	0	2		43	36		
York ...	30.34	42	E	1	bc	30.27	- .09	38	37	+ 1	E	1	0	*		43	36		
Loughborough	30.31	40	E	2	0	30.24	- .08	37	36	+ 1	NNE	2	0	*		41	36	0.01	
Ardrossan ...	30.29	45	SSE	1	b	30.25	- .06	27	36	0	NNE	2	0	1		48	34		
Malin Head ...	30.21	40	E	3	cm	30.15	- .09	38	38	- 3	S	1	0	2		46	36		
Mullaghmore ...	30.19	45	E	5	bcm	30.19	- .04	39	36	0	SSE	4	0	2		49	38		
Belmullet ...	30.17	47	NNE	2	b	30.17	- .03	39	37	0	E	1	0	*		49	35		
Donaghadee ...	30.30	41	SE	3	bc	30.23	- .08	41	40	+ 2	S	4	0	2		42	37		
Barrow-in-Furness	30.32	38	SE	4	bc	30.23	- .10	41	40	+ 7	E	2	0	*		42	33		
Liverpool (Bidston)	30.31	39	ESE	2	0	30.23	- .10	38	37	+ 4	Z	0	0	1		40	34		
Holyhead ...	30.24	41	ESE	3	b	30.22	- .02	38	36	+ 1	Z	0	0	0		46	36		
Parsonstown ...	30.20	45	Z	0	c	30.21	+ .01	39	36	+ 6	SSE	1	0	*		53	32		
Valencia ...	30.11	47	E	4	ogm	30.16	+ .05	44	42	0	E	3	0	2		48	43		
Roche's Point...	30.17	42	ESE	5	m	30.17	+ .04	42	40	- 2	ESE	4	0	4		44	40		
Pembroke ...	30.20	39	ESE	5	c	30.19	- .00	37	36	0	NNE	3	0	3		41	36		
Scilly ...	30.09	45	ESE	8	0	30.10	+ .04	45	42	- 2	ESE	5	0	5		48	43		
Prawle Point ...	30.16	43	NNE	6	c	30.14	- .03	40	38	0	NNE	6	0	5		43	38		
Jersey ...	30.11	41	NNE	5	bm	30.10	- .01	39	38	- 1	NNE	3	0	3		46	38		
GERMANY.																			
Hurst Castle ...	30.21	42	NNE	4	c	30.18	- .00	39	37	+ 1	E	4	0	2		45	37		
Dungeness ...	30.20	41	NNE	5	c	30.15	- .05	38	38	- 3	E	4	0	4		45	37		
London ...	30.26	40	E	4	0	30.19	- .09	39	37	+ 1	NNE	3	0	*		43	37		
Oxford ...	30.28	39	NNE	3	0	30.21	- .10	39	36	+ 5	NNE	4	0	*		41	34		
Cambridge ...	30.30	39	E	1	0	30.22	- .09	38	37	0	NNE	1	0	*		47	36		
Yarmouth ...	30.31	40	NNE	3	b	30.22	- .08	39	37	0	NNE	2	0	3		41	36		
Cuxhaven ...	30.24	40	W	1	0	30.36	+ .13	39	37	0	ESE	1	0	*		41	39		
Berlin ...	30.24	40	W	1	0	30.24	+ .05	32	31	- 5	Z	0	0	*		46	30		
Wiesbaden ...	30.19	31	NNE	2	b	30.24	+ .09	27	27	- 4	NNE	2	0	*		37	23		
Munich ...	30.19	31	NNE	2	b	30.24	+ .09	27	27	- 4	NNE	2	0	*		37	23		
FRANCE & NETHERLANDS.																			
The Helder ...	30.28	38	NNE	1	b	30.25	- .04	37	36	- 2	ESE	1	0	1		41	36		
Brussels ...	30.16	38	E	7	0	30.17	- .04	33	32	- 1	E	3	0	*		38	32		
Cape Gris Nez...	30.12	41	NNE	3	bc	30.11	- .01	30	30	0	ESE	4	0	3		43	36		
Paris ...	30.05	50	E	5	m	30.07	+ .04	36	35	- 5	E	4	0	*		43	28		
Brest ...	30.03	51	ESE	1	b	30.06	- .00	36	35	- 5	NNE	4	0	2		59	34		
Lorient ...	30.03	52	NNE	4	b	30.06	+ .02	42	41	+ 2	E	4	0	2		68	36		
Rockefort ...	30.12	45	E	1	b	30.17	+ .07	29	28	- 7	E	3	0	*		50	28		
Belfort ...	30.07	53	S	4	b	30.18	+ .06	41	40	+ 5	SW	1	0	*		62	?		
Nice ...	30.12	51	E	1	b	30.13	+ .03	38	41	+ 8	ESE	3	0	2		55	41		
Perpignan ...	30.09	51	E	1	b	30.14	+ .08	44	44	- 6	E	1	0	*		60	40		
Biarritz ...	29.94	60	NNE	3	b	29.99	+ .04	57	48	+ 6	WSW	3	0	0		61	48		
Corunna ...	29.96	57	WSW	5	0	29.99	+ .08	55	53	+ 3	E	1	0	2		64	50	0.32	
Lisbon ...	29.96	57	WSW	5	0	30.05	+ .15	51	50	- 3	Z	0	0	2		63	50	0.04	
‡ Received too late for insertion in Charts.																			

† Received too late for insertion in charts.

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

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

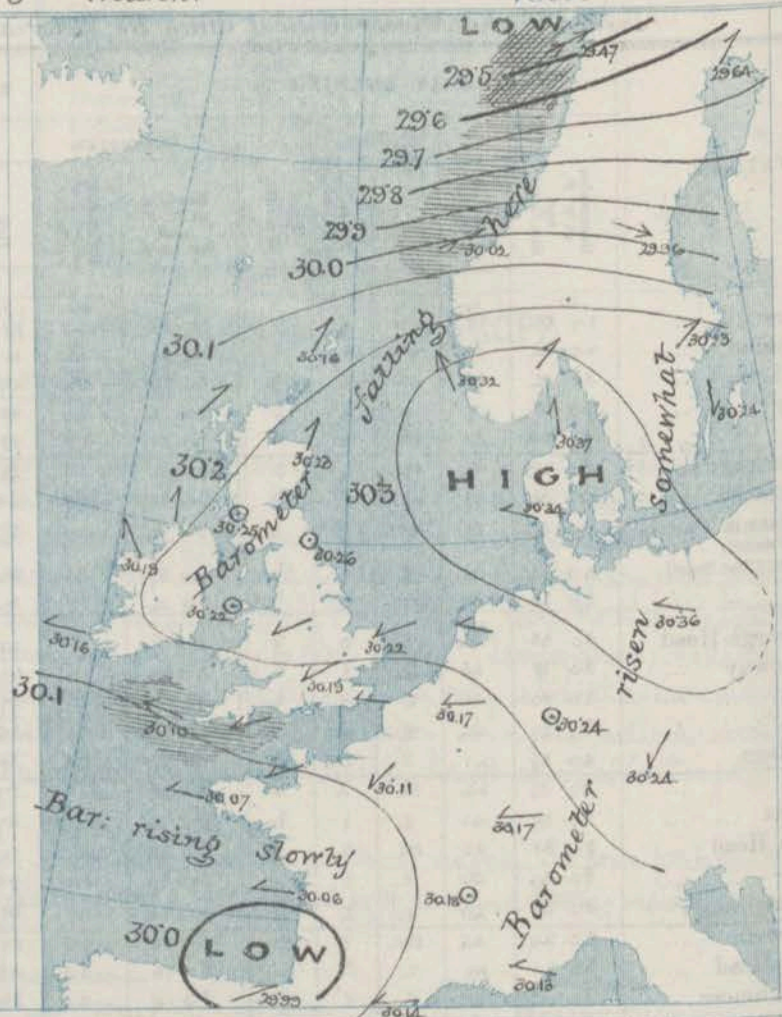
**Sea Disturbance**—where considerable is shown thus

▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roche's Point	29.936
Pembroke	29.942
Scilly	29.968
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



## 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.

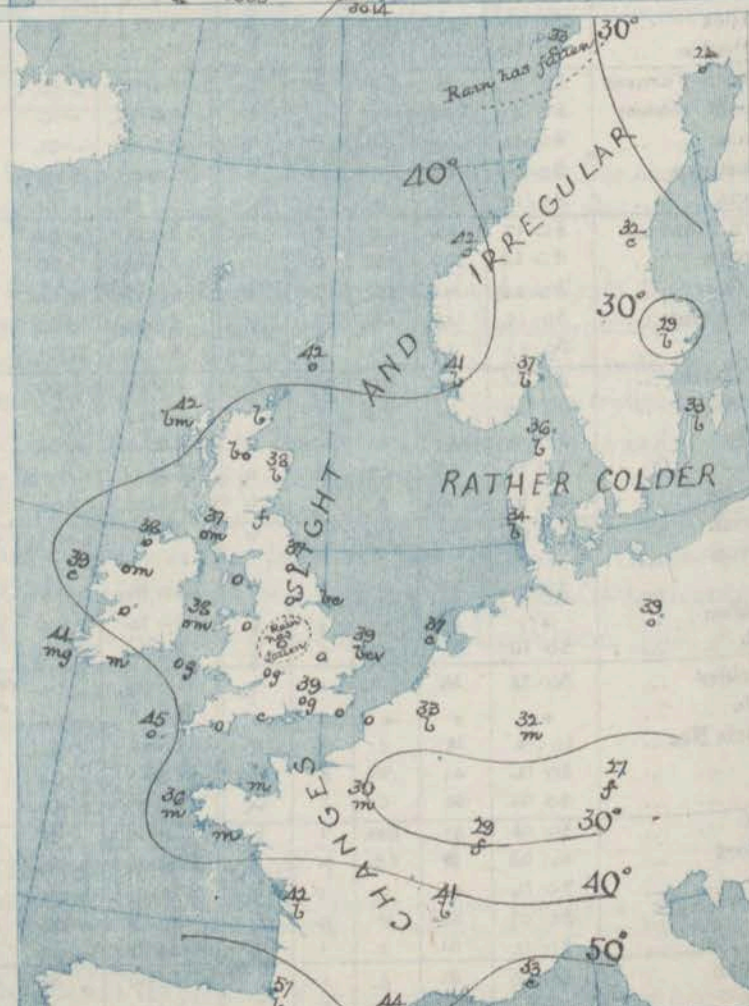
**Rainfall**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.0	34.2	39.2	37.2	1.97
Nairn	45.0	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.8	1.63
Ardrossan	47.4	37.2	40.7	38.1	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.69
Valencia	51.8	40.8	45.6	43.6	4.24
Roche's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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 upwards, over Denmark, the south of Scandinavia and North Germany. Lowest, 29.5 ins: and less in the NW of Norway, but relatively low 30.0 ins: and less in a shallow depression lying over the SW. of France.
TEMPERATURE	Highest, 57° at Biarritz, 53° at Nice, 51° at Lisbon, and 45° at Scilly. Lowest, 21° at Haparanda, 27° at Munich, 23° at Stockholm and Belfast and 30° at Paris; lowest in our Islands, 33° at Kinn.
WIND	SW <sup>ly</sup> or W <sup>ly</sup> in Scandinavia and the north of Scotland, with gales at Bodø and Christiansund. Chiefly E <sup>ly</sup> elsewhere, light or moderate in force generally, but fresh at some of the Channel stations.
WEATHER	Fair generally but dull over the greater part of England and Ireland, with fog or mist in many places. A lunar halo was seen last night at Stromsøy.
SEA	Very rough off the west of Norway, and rather rough in the western part of the Channel, moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone noticed over Great Britain yesterday has moved away to the eastern shore of the North Sea, and the barometer has, therefore, fallen a little in our Islands, while it has risen at the Continental stations. A new depression is, however, approaching Norway from the NW<sup>ly</sup>, while a shallow disturbance is lying over the south-west of France.

The changes in pressure over our Islands and their immediate neighbourhood are at present too slight to lead to any decided alteration in the weather; but as the barometer is rising in France the E<sup>ly</sup> winds in the south are likely to subside gradually.

## FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SW <sup>ly</sup> winds, moderate or fresh; cloudy, rain locally.	6 { SCOTLAND WEST	E <sup>ly</sup> or SE <sup>ly</sup> winds, light; dull, some mist or fog.
1 { SCOTLAND EAST	S <sup>ly</sup> and SW <sup>ly</sup> winds, moderate; fair generally.	7 { ENGLAND N. W.	-----D°-----D°-----D°
2 { ENGLAND N. E.	Variable or E <sup>ly</sup> airs; cloudy, some mist or fog.	8 { ENGLAND S. W.	E <sup>ly</sup> winds, fresh; dull generally.
3 { ENGLAND EAST	-----D°-----D°-----D°	9 { IRELAND NORTH	E <sup>ly</sup> and SE <sup>ly</sup> winds, moderate or fresh; cloudy, rain locally.
4 { MIDLAND COUNTIES	-----D°-----D°-----D°	10 { IRELAND SOUTH	-----D°-----D°-----D°
5 { ENGLAND SOUTH	E <sup>ly</sup> winds, light; cloudy, misty.	WARNINGS	NONE ISSUED.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudeanaess ...	30.31	43	37	NNW 6	c	3	Holyhead ...	30.25	45	41	ESE 3	6	2
Sumburgh Head ...	30.36	46	44	SE 1	6	2	Valencia ...	30.11	48	45	E 4	0m	4
Stornoway ...	30.31	52	48	SE 1	6	1	Scilly ...	30.09	47	46	ESE 8	0	6
Aberdeen ...	30.38	45	42	3 1	c	0	Dungeness ...	30.23	44	43	ESE 5	6	4
Shields ...	30.37	44	40	E 2	6c	2	London ...	30.28	42	38	E 3	0	*
Ardrossan ...	30.32	45	43	S 2	6m	2	Yarmouth ...	30.32	41	39	NE 4	6	3
Malin Head ...	30.24	46	44	SSE 2	0	3	Jersey ...	30.11	45	42	ESE 5	6	4
Mullaghmore ...	30.20	47	43	E 2	6c	2	Rocheport ...	30.06	64	58	ESE 4	6	2
Belmullet ...	30.18	49	44	E 3	6	*							

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

Yesterday morning's reports showed that the high pressure area lying across the British Isles and North Germany had extended south-eastwards across Austria, Hungary, and the Balkan Peninsula, while the depression which appeared to be approaching Lapland on Sunday had reached Finland and Northern Russia. Pressure, therefore, varied from between 30.1 and 30.3 in: over northwestern, central, and South-eastern Europe to 29.1 in: on the shores of the White Sea, on the one hand, and to 29.9 in: in the south of Portugal, on the other. Strong W (SW to NW) winds and gales consequently prevailed over Northern Europe and the Baltic accompanied by cloudy weather, and in several places rain, while moderate E<sup>2</sup> or NE<sup>2</sup> winds were felt over southern England, the Channel, France and the Bay of Biscay, with dry weather, but a good deal of cloud in many places. Temperature again varied from rather above 50° over Portugal and the southern half of the Mediterranean, and from somewhat above 40° on our south-west coast and in the west of France to rather below the freezing point over central France and to many degrees below it in Russia and Austro-Hungary. The highest individual values were 60° at Bilbao, 57° at Cagliari, Tangier and Algiers, 55° at Beirut and Malta, 54° at Lisbon, 52° at Barcelona and Genoa, 50° at Naples, and 47° at Scilly; the lowest were 8° F at Moscow, 11° at Kharkov, 15° at Archangel, 27° at Clermont, and 29° at Berlin and Prague.

During the day the high-pressure area began to move eastwards, and the wind drew into SE over the western part of the British Isles, and freshened slightly, with some increase of temperature, but no rain.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Wednesday 9<sup>th</sup> March

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 ..	29.37	27	NW	6	c		29.32	-.12	8	8	- 13	N	2	bc	*		24	?	In.
Hernösand ...	29.68	43	Z	0	a		29.61	-.35	32	30	0	Z	0	a	*		46	25	—
Stockholm ...	29.94	37	Z	0	bc		29.74	-.49	33	31	+ 4	W	6	c	*		43	?	—
Wisby ...	30.12	39	W	6	b		29.86	-.38	35	34	+ 2	W	4	c	*		41	30	—
Bodö ...	29.49	30	WNW	4	bc		29.62	+ .15	23	21	- 10	WNW	4	c	2		34	21	—
Christiansund...	29.76	44	WSW	9	c		29.75	-.27	32	31	- 10	NW	6	s	5		45	28	0.39
Skudesnaes ...	30.09	40	SSW	6	o		29.84	-.48	40	38	- 1	SW	2	o	4		45	?	—
Christiania Fjord (Fjorder)	30.04	38	SW	6	b		29.75	-.57	37	36	0	WSW	6	b	3		39	36	—
Skagen (The Scaw)	30.12	35	SW	2	b		29.84	-.53	36	35	0	WSW	2	o	1		43	32	—
Fanö ...	30.12	38	SSE	3	o		29.90	-.44	36	34	+ 2	WSW	2	o	*		45	34	—
BRITISH ISLANDS.																			
Sumburgh Head	30.01	45	W	1	o		29.97	-.19	35	33	- 7	N	4	o	4		46	38	—
Stornoway ...	30.08	42	SW	3	m		30.02	-.17	42	41	0	NNW	2	om	1		43	38	—
Wick ...	30.02	44	NW	1	o		29.98	-.19	42	41	+ 5	E	3	o	1		48	34	—
Nairn ...	30.06	41	WSW	2	o		30.00	-.20	40	36	+ 5	SW	1	o	1		45	33	—
Aberdeen...	30.05	41	SSW	1	o		29.97	-.26	40	37	+ 2	NNW	1	o	1		47	37	—
Leith ...	30.12	40	W	1	m		30.00	-.27	39	37	+ 2	WSW	1	m	*		41	36	—
Shields ...	30.10	39	E	1	m		29.97	-.29	38	37	+ 1	Z	0	om	2		42	37	—
Spurn Head ...	30.11	39	NNW	1	o		29.99	-.25	38	37	- 1	NNW	2	og	3		42	36	—
York ...	30.11	45	ENE	1	bc		30.00	-.27	35	35	- 3	NNW	1	f	*		51	32	—
Loughborough	30.10	42	NE	1	o		30.02	-.22	38	36	+ 1	NNW	3	ogm	*		49	37	—
Ardrossan ...	30.11	42	Z	0	om		30.01	-.24	41	40	+ 4	W	3	om	2		43	26	—
Malin Head ...	30.17	39	WSW	2	o		30.03	-.12	42	42	+ 5	W	2	c	3		43	37	0.01
Mullaghmore ...	30.12	43	WSW	2	om		30.07	-.12	43	42	+ 4	NNW	1	om	1		44	38	0.03
Belmullet ...	30.13	46	SSW	2	o		30.11	-.06	42	42	+ 3	ENE	1	r	*		49	39	0.02
Donaghadee ...	30.12	41	NNW	3	c		30.06	-.17	37	37	- 4	NW	3	c	1		43	36	—
Barrow-in-Furness	30.11	42	NW	2	b		30.02	-.21	39	38	- 2	N	2	o	*		46	39	—
Liverpool (Bidston)	30.11	39	NNW	1	bc		30.03	-.20	40	37	+ 2	NW	2	o	3		45	37	—
Holyhead ...	30.13	40	Z	0	om		30.07	-.15	40	37	+ 2	NNW	1	c	1		43	38	—
Parsonstown ...	30.15	41	Z	0	o		30.12	-.09	39	38	0	Z	0	og	*		42	37	—
Valencia ...	30.12	45	ESE	1	om		30.14	-.02	36	35	- 8	NE	1	bm	1		47	33	—
Roche's Point...	30.10	41	ESE	3	m		30.11	-.06	41	39	- 1	N	2	m	3		43	39	—
Pembroke ...	30.12	39	SE	1	m		30.09	-.10	39	36	+ 2	NW	1	og	1		41	37	—
Seilly ...	30.08	45	ENE	2	o		30.12	+ .02	42	40	- 3	NNW	1	o	1		45	41	—
Prawle Point ...	30.10	39	ENE	2	o		30.12	-.02	36	34	- 4	W	1	o	2		41	34	—
Jersey ...	30.06	39	NE	3	m		30.06	-.04	40	38	+ 1	NNE	1	om	1		40	36	—
GERMANY.																			
Hurst Castle ...	30.09	40	SW	1	o		30.08	-.10	37	35	- 2	N	2	om	0		42	35	—
Dungeness ...	30.06	39	E	3	b		30.05	-.10	38	37	0	NE	2	o	2		43	33	—
London ...	30.10	39	E	2	og		30.05	-.14	37	35	- 2	SSW	1	og	*		42	36	—
Oxford ...	30.11	38	ENE	1	og		30.05	-.16	36	35	- 3	W	1	og	*		40	35	—
Cambridge ...	30.11	40	N	1	o		30.03	-.19	38	36	0	W	1	o	*		43	34	—
Yarmouth ...	30.12	38	ENE	1	b		30.01	-.21	38	36	- 1	NNW	2	bm	2		44	35	—
Cuxhaven ...	30.13	39	SE	2	f		30.01		34	34		WSW	1	m	*		40	31	—
Berlin ...	30.27	38	SE	2	b		30.05	-.31	33	30	- 6	S	3	b	*		43	30	—
Wiesbaden ...	*	*	*	*	*		30.14	-.10	33	32	+ 1	E	2	o	*		45	28	—
Munich ...	30.21	33	E	2	f		30.13	-.11	29	29	+ 2	NE	2	m	*		36	27	—
FRANCE & NETHERLANDS.																			
The Helder ...	30.10	38	ESE	1	b		29.98	-.27	37	36	0	Z	0	f	1		39	32	—
Brussels ...	*	*	*	*	*		30.01	-.15	35	35	+ 2	W	3	o	*		34	28	—
Cape Gris Nez...	30.06	37	E	5	m		30.09	-.18	38	37	+ 2	NW	1	o	3		43	36	—
Paris ...	30.04	52	N	1	b		30.05	-.06	36	36	+ 6	NE	1	f	*		60	?	—
Brest ...	30.05	44	NE	4	m		30.08	+ .01	37	36	+ 1	E	4	m	3		?	32	—
Lorient ...	30.08	43	W	1	m		30.06	-.00	39	39	+ 3	ENE	1	f	2		45	32	—
Rocheftort ...	30.06	51	W	1	b		30.12	+ .06	42	46	+ 4	NN	4	m	2		66	41	0.12
Belfort ...	30.12	50	E	1	b		30.08	+ .09	36	35	+ 7	E	3	b	*		57	25	—
Lyons ...	*	*	*	*	*		*	*	*	*	*	*	*	*	*		*	*	—
Nice ...	30.13	60	E	4	b		30.13	-.00	53	43	0	ESE	3	bc	2		64	50	—
Perpignan ...	30.13	62	ENE	3	c		30.15	+ .01	50	50	+ 6	Z	0	r	*		62	48	—
Biarritz ...	30.00	59	NE	3	c		30.09	+ .10	31	48	- 6	Z	0	om	0		63	48	—
PORTUGAL.																			
Corunna ...	*	*	*	*	*		*	*	*	*	*	*	*	*	*		*	*	—
Lisbon ...	30.08	55	NNW	5	b		30.04	-.01	50	49	- 1	N	3	f	2		61	45	—

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

For 8 a.m. on

Wednesday, 9<sup>th</sup> March

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.

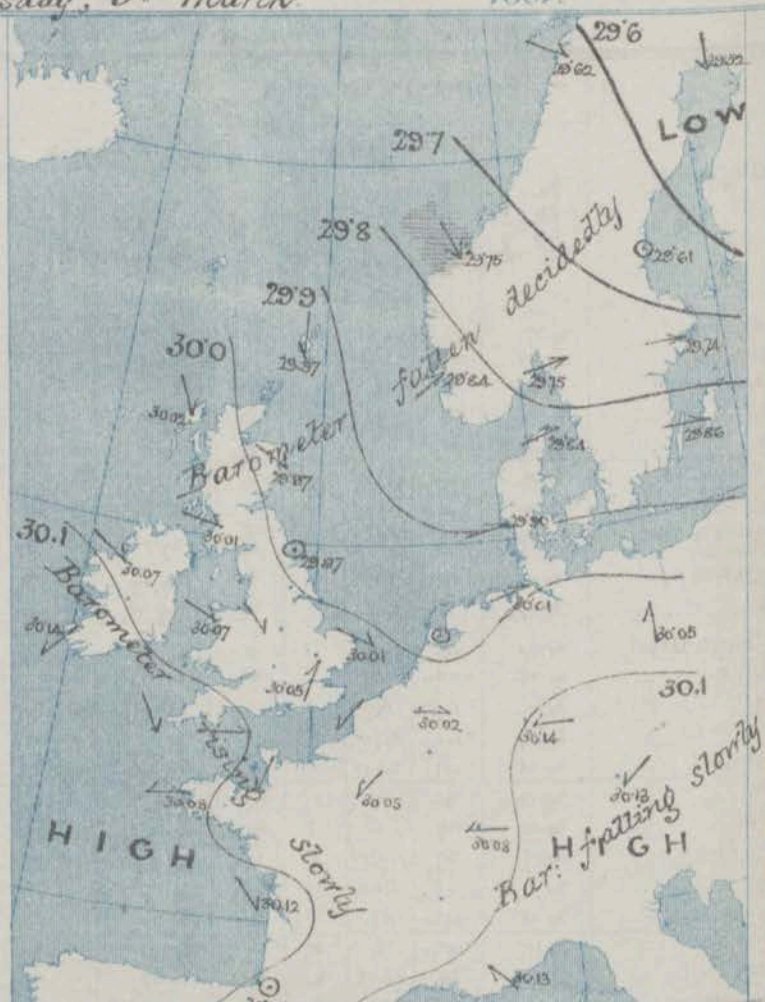
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roche's Point	29.936
Pembroke	29.942
Seilly	29.968
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.902
Cambridge	29.952
Yarmouth	29.934



## 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.

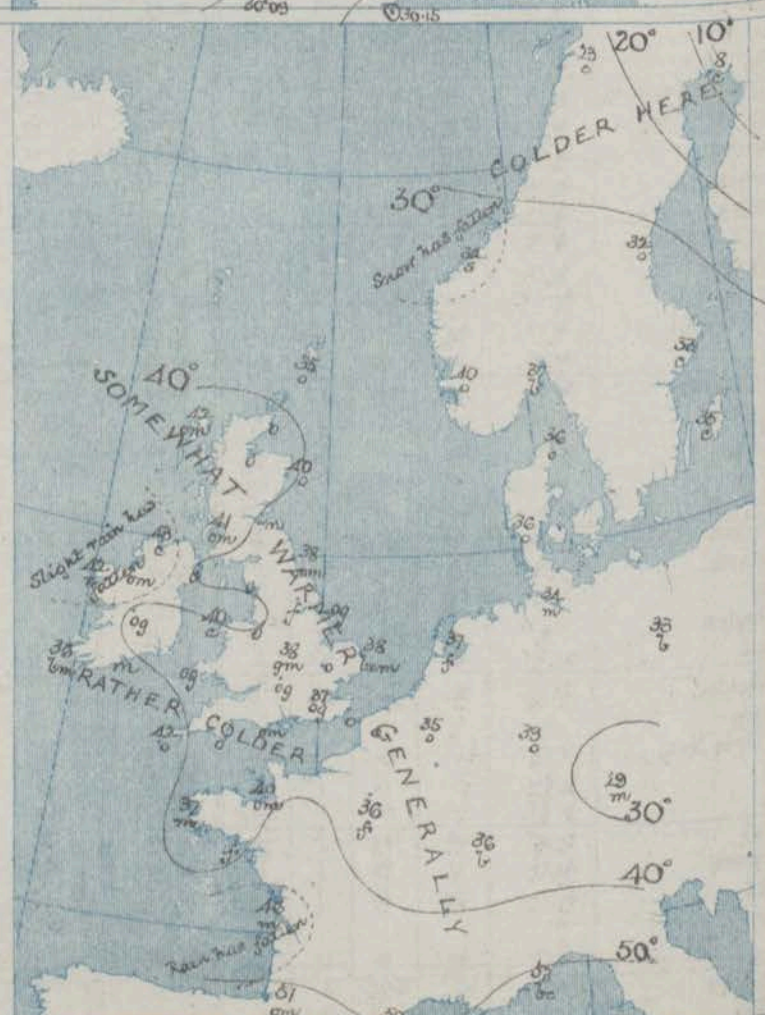
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.	At 8 a.m.	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.69
Valencia	51.8	40.8	45.6	43.6	4.24
Roche's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Seilly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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 anticyclonic system lying over the Bay of Biscay and our south-western coasts and also in another lying over Germany, Switzerland and the south-east of France.  
Lowest, 29.6 ins and less over the north of Sweden.

## TEMPERATURE

Highest, 53° at Nice, 51° at Biarritz, 50° at Lisbon and 43° at Malin Head and Mullaghmore.  
Lowest, 8° at Haparanda, 23° at Rode, 29° at Munich, 32° at Helsingfors; lowest in our islands 35° at York.

## WIND

N or N<sup>W</sup> over our islands, Scandinavia and Denmark; light or moderate in force generally, but strong at Stockholm, Christiansund and Færder (Christiania Fjord).  
Light from E or NE over South Germany and the greater part of France.

## WEATHER

Cloudy or overcast generally, with mist or fog in many places.  
Clear skies are, however, reported in the east and south-east of France as well as at Valencia.  
A little rain has fallen in the north of Ireland.

## SEA

Rather rough at Christiansund, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which was approaching the north-west of Norway yesterday morning has travelled eastwards or south-eastwards and the anticyclone then noticed over Denmark and North Germany has almost entirely dispersed. The remains of the system are, however, apparently lying over Southern Germany and Switzerland, and in the meantime another area of relatively high-pressure has been formed over our south-western coasts and the Bay of Biscay.

The anticyclonic system over Germany will probably disperse shortly, but the new one to the south-westward of our islands is apparently increasing in height. NW<sup>ly</sup> breezes are therefore likely to continue over our islands for a time, with slight rain at several of our northern and eastern stations.

## FORECASTS

For the 24 hours ending at NOON on 10<sup>th</sup> March 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, light or moderate, dull, slight rain locally.

— D<sup>o</sup> — D<sup>o</sup> —

Same as N<sup>o</sup> 5.

Same as N<sup>o</sup> 5.

Same as N<sup>o</sup> 5.

W<sup>ly</sup> and NW<sup>ly</sup> winds, light, dull, misty, perhaps slight rain.

### DISTRICTS.

### FORECASTS.

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

Same as N<sup>o</sup> 0.

Same as N<sup>o</sup> 5.

NW<sup>ly</sup> and N<sup>ly</sup> winds, light, dull generally.

W<sup>ly</sup> and NW<sup>ly</sup> winds, moderate, dull, rain locally.

Same as N<sup>o</sup> 8.

### WARNINGS

None issued.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.	
Skudesnaes ...	30.22	44	40	S	6	6	Holyhead ...	30.18	42	38	Z	0	om	0
Sumburgh Head ...	30.08	44	42	SW	1	0	Valencia ...	30.14	47	43	SE	1	cm	2
Stornoway ...	30.12	42	41	SSW	4	0	Scilly ...	30.09	45	43	E	4	0	4
Aberdeen ...	30.13	45	41	S	4	6	Dungeness ...	30.09	42	40	E	3	6	3
Shields ...	30.19	42	39	E	1	6c	London ...	30.13	42	39	ENE	2	om	*
Ardrossan ...	30.17	42	41	NE	2	0	Yarmouth ...	30.16	39	37	ESE	2	6c	3
Malin Head ...	30.15	40	39	SW	2	0	Jersey ...	30.08	39	38	ENE	2	m	2
Mullaghmore ...	30.15	43	39	SW	2	om	Rochefort ...	30.07	57	51	SSE	4	6c	2
Belmullet ...	30.16	49	44	SW	1	6								

## GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Yesterday morning's reports showed a continuation of high-pressure over the British Islands, the North Sea, Germany, France and the Baltic, but the system appeared to be moving eastwards, as the highest values of all were reported from Denmark and North Germany. Over Central Russia lay a large depression, while a new one was apparently advancing eastwards over Lapland. Thus, while light to moderate Ely breezes and fair weather were still prevalent in France and the Channel, the winds at our western stations showed a tendency to veer S<sup>W</sup>, while Norway was again experiencing a gale from the SW<sup>W</sup>. Over Central Europe calms prevailed, while in the Baltic and Hungary the wind was NW<sup>W</sup>. A little rain was falling in some parts of Scandinavia and showers had again occurred in Portugal, but it was remarkable how dry the weather remained, notwithstanding the density of the clouds in many places. Temperature was rising in the far south and varied from somewhat above 50° over Portugal, the Mediterranean and some parts of the south-west of France, to rather below the freezing point over the east of France and to several degrees below that value over Russia, Sweden and Hungary. The highest individual values were 61° at Algiers, 58° at Malta, 57° at Biarritz, Bilbao and Langunaise, 55° at Brindisi, Cagliari and Corunna, 53° at Livourne, 52° at Naples and 51° at Palermo; the lowest were 9° at Archangel, 11° at Uleaborg, 12° at Kuopio, 21° at St Petersburg and Haparanda, 22° at Moscow, 28° at Carlsruhe, 29° at Hermanstadt, Stockholm and Relfort.

During the day pressure was becoming less regularly distributed over the British Isles than of late, and while the anticyclone over Denmark disappeared, a new one, of little intensity, was formed over the west of the British Islands, but the weather continued dry in most 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 Thursday 10<sup>th</sup> March 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 ..	29.46	9	NN	2	b	29.43	-0.09	8	7	0	NNN	2	c	*	28	3	—		
Hernösand ...	29.69	8	NNE	4	b	29.67	+0.06	20	17	-12	L	0	b	*	45	?	—		
Stockholm ...	29.59	31	NE	4	s	29.71	-0.02	19	17	-14	N	4	b	*	39	?	—		
Wisby ...	29.64	36	WNW	4	o	29.67	-0.19	30	27	-5	NE	6	s	*	39	?	0.04		
Bodö ...	29.60	25	WSW	6	o	29.50	-0.12	24	22	+1	NN	6	c	4	25	19	—		
Christiansund...	29.86	28	ENE	3	o	29.86	+0.11	26	25	-6	WSW	4	s	5	?	23	—		
Skudesnaes ...	29.88	34	NNW	6	o	29.96	+0.12	30	27	-10	N	2	b	3	?	?	—		
Christiania Fjord (Færdar)	29.63	40	NNW	4	b	29.86	+0.11	28	25	-9	N	6	b	1	41	28	—		
Skagen (The Scaw)	29.64	38	NNW	3	b	29.79	-0.05	34	31	-2	NE	3	o	3	41	34	—		
Fanö ...	29.84	37	WSW	4	o	29.88	-0.02	35	31	-1	NN	6	b	*	39	34	—		
BRITISH ISLANDS.																			
Sumburgh Head	30.09	31	N	3	c	30.14	+0.17	26	24	-9	N	2	b	2	36	22	0.02		
Stornoway ...	30.17	35	E	7	aps	30.18	+0.16	32	31	-10	ENE	6	s	5	45	32	0.04		
Wick ...	30.18	34	N	3	o	30.18	+0.20	32	31	-10	N	2	o	1	47	30	0.02		
Nairn ...	30.14	35	E	4	sp	30.16	+0.16	34	33	-6	E	2	sp	3	48	32	0.10		
Aberdeen ...	30.11	37	N	4	ost	30.16	+0.19	34	31	-6	NNW	3	o	2	48	32	0.03		
Leith ...	30.06	44	SE	1	o	30.15	+0.15	34	33	-5	E	2	om	*	48	33	0.04		
Shields ...	30.01	43	N	2	o	30.14	+0.17	38	36	0	NNE	1	rsp	?	43	36	0.05		
Spurn Head ...	29.99	41	WNW	2	o	30.11	+0.12	41	39	+3	ENE	3	c	3	42	36	—		
York ...	30.02	40	WNW	1	o	30.13	+0.13	39	37	+4	NNE	1	o	*	42	34	—		
Loughborough	30.03	38	WNW	1	o	30.09	+0.07	39	38	+1	NE	1	om	*	41	37	0.02		
Ardrossan ...	30.05	46	W	1	om	30.09	+0.08	35	34	-6	NE	3	om	2	46	34	—		
Malin Head ...	30.03	43	NE	1	m	30.06	+0.03	42	42	-1	SSW	3	o	2	48	38	—		
Mullaghmore ...	30.08	46	N	3	om	30.03	-0.04	42	42	0	S	1	om	1	48	39	—		
Belmullet ...	30.10	47	W	1	b	30.04	-0.07	44	42	+2	ESE	2	b	*	51	42	0.04		
Donaghadee ...	30.08	45	N	2	c	30.08	+0.02	42	42	+5	S	4	o	2	48	35	—		
Barrow-in-Furness	30.04	42	NE	2	o	30.11	+0.09	40	38	+1	NE	3	om	*	43	39	0.03		
Liverpool (Bidston)	30.06	40	NNW	1	o	30.11	+0.08	40	39	0	WNW	1	of	1	42	38	—		
Holyhead ...	30.08	43	NW	1	om	30.10	+0.03	40	39	0	E	1	om	1	45	40	—		
Parsonstown ...	30.10	47	L	0	o	30.08	-0.04	42	41	+3	L	0	og	*	49	38	—		
Valencia ...	30.11	46	NNW	2	b	30.07	-0.07	43	42	+7	L	0	om	1	51	35	—		
Roche's Point...	30.10	40	SSW	3	b	30.08	-0.03	43	42	+2	SW	1	m	3	48	41	—		
Pembroke ...	30.09	42	NW	2	b	30.10	+0.01	40	39	+1	W	1	om	0	44	39	—		
Scilly ...	30.08	44	NNW	2	o	30.08	-0.04	43	41	+1	ESE	1	o	2	45	38	—		
Prawle Point ...	30.10	40	W	2	o	30.10	-0.02	39	37	+3	N	2	o	1	41	35	—		
Jersey ...	30.09	40	WNW	2	ogm	30.08	+0.02	39	38	-1	SE	1	om	1	43	37	—		
Hurst Castle ...	30.05	41	WNW	2	m	30.09	+0.01	37	36	0	N	3	m	1	42	34	—		
Dungeness ...	30.01	42	NW	3	m	30.05	0.00	36	36	-2	NNW	1	f	1	46	36	—		
London ...	30.03	41	NNW	3	o	30.09	+0.04	37	36	0	L	0	fg	*	43	35	—		
Oxford ...	30.06	39	NW	2	o	30.10	+0.05	38	37	+2	NE	1	c	*	41	35	—		
Cambridge ...	30.02	39	NW	1	o	30.11	+0.08	38	37	0	L	0	o	*	44	35	—		
Yarmouth ...	29.99	40	NNW	2	b	30.08	+0.07	40	38	+2	NE	4	b	3	42	36	—		
Cuxhaven ...	29.96	39	WNW	3	f	29.93	-0.08	38	36	+4	NW	4	b	*	39	?	—		
Berlin ...	29.89	46	SW	1	b	29.89	-0.18	37	36	+4	WNW	2	r	*	44	?	—		
Wiesbaden ...	*	*	*	*	*	29.96	-0.18	37	35	+4	N	3	o	*	45	?	—		
Munich ...	30.06	41	SW	2	b	29.99	-0.14	42	41	+13	NW	4	r	*	52	?	0.04		
FRANCE & NETHERLANDS.																			
The Helder ...	29.97	37	NNW	1	c	30.04	+0.06	37	36	0	NNE	3	c	2	39	36	—		
Brussels ...	*	*	*	*	*	30.02	0.00	37	35	+2	WNW	1	o	*	43	?	—		
Cape Gris Nez...	30.02	40	W	3	o	30.04	+0.04	39	38	+1	NE	1	m	1	43	?	—		
Paris ...	30.03	45	NW	3	o	30.06	+0.01	38	35	+2	W	3	o	*	56	?	0.04		
Brest ...	30.12	43	NNE	4	b	30.10	+0.02	42	41	+5	SE	3	o	3	45	32	—		
Lorient ...	30.11	43	NW	1	m	30.10	+0.04	39	36	0	ENE	1	o	2	46	36	—		
Rochefort ...	30.14	46	NW	4	m	30.13	+0.01	41	39	-5	NE	4	b	2	54	36	—		
Belfort ...	30.09	56	W	1	c	29.99	-0.09	42	40	+6	W	3	o	*	59	33	—		
Lyons ...	30.10	50	NNE	1	o	30.06	-0.11	42	41	-6	S	1	b	*	61	41	0.43		
Nice ...	30.11	53	E	1	o	30.02	-0.11	47	44	-6	ESE	1	c	2	63	45	—		
Perpignan ...	30.11	53	E	1	b	30.06	-0.09	40	40	-10	E	1	o	*	58	38	—		
Biarritz ...	30.07	51	NW	1	b	30.04	-0.05	50	48	-1	L	0	o	0	61	48	—		
PORTUGAL.																			
Corunna ...	*	*	*	*	*	29.97	-0.07	52	51	+2	NE	1	o	2	63	50	—		
Lisbon ...	30.04	56	NW	4	b	29.97	-0.07	52	51	+2	NE	1	o	2	63	50	—		

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Thursday 10<sup>th</sup> March 1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

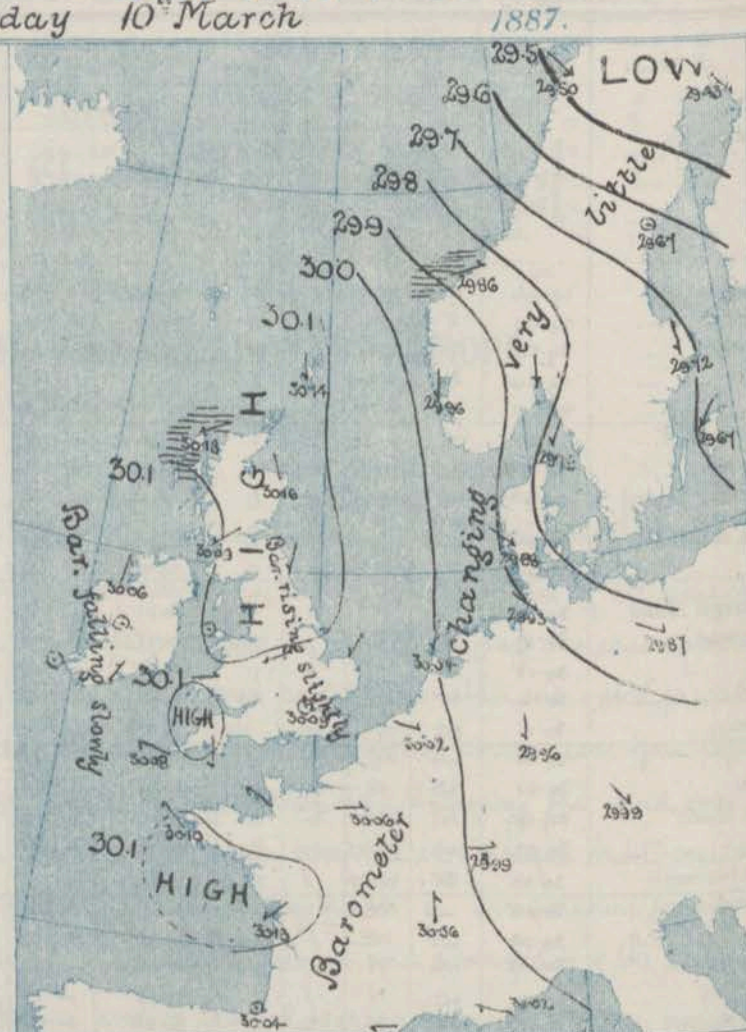
**Barometer**—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind**—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus—  
 → = forces above 10; →→ = forces 8 to 10;  
 →→ = forces 5 to 7; → =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

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

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roche's Point	29.936
Pembroke	29.942
Scilly	29.968
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



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

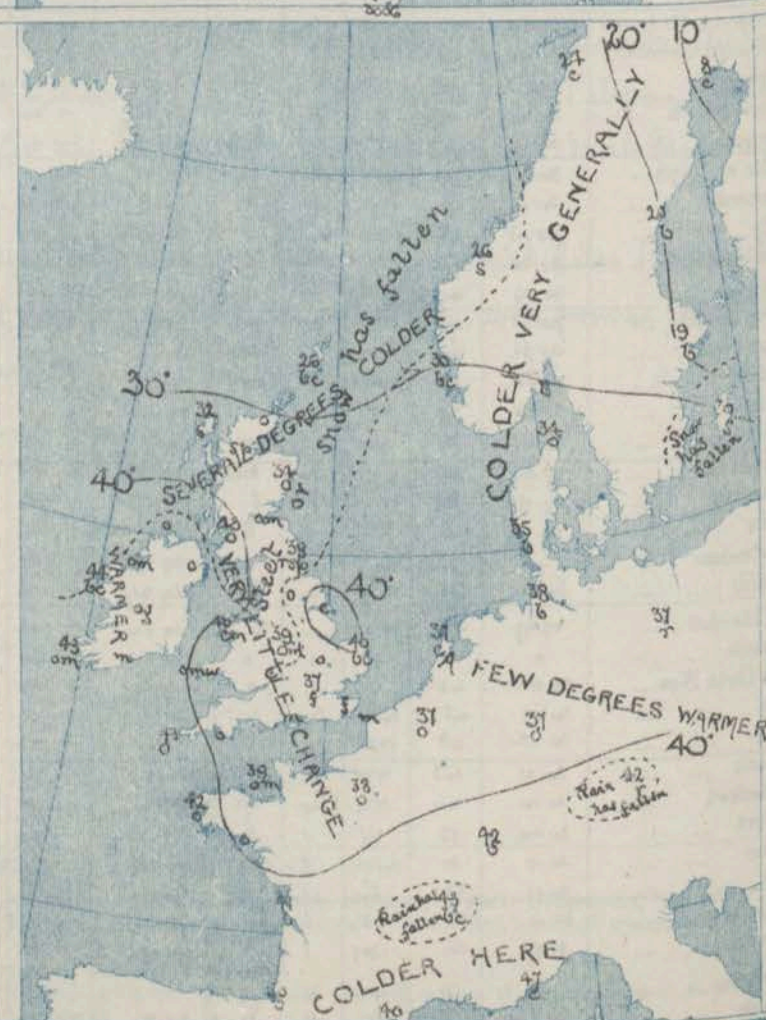
**Temperature**—Isotherms are drawn for each 10° changes since previous morning are stated in words.  
**Weather** is shown by Letters of the Beaufort Scale.  
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	46.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.69
Valencia	51.8	40.8	45.6	43.6	4.24
Roche's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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 upward, in a large anticyclonic system lying over Scotland and the north of England, and also in two smaller systems lying respectively over the south-west of England and the Bay of Biscay.  
Lowest, 29.5 in. and less over the north of Scandinavia.

## TEMPERATURE

Highest, 52° at Lisbon, 50° at Biarritz, 46° at Belmullet and 43° at Mullaghmore, Valencia, Roches Point and Bally.  
Lowest, 8° at Haparanda, 14° at Stockholm, 20° at Hernösand, 24° at Rode and 26° at Christiansund and Edinburgh Head.

## WIND

Moderate to strong from the NW<sup>th</sup> over Scandinavia and Denmark.  
Light from the NW<sup>th</sup> or NE<sup>th</sup> in the east and south of our islands.  
SW in the north of Ireland; variable in France and the south of Ireland.

## WEATHER

Dull and misty over the greater part of our islands, with snow in the north of Scotland.  
Fine at several of the Continental stations, but raining at Berlin and Munich; and falling at Derby & Christiansund.  
Sleet fell yesterday at several of our northern and eastern stations.

## SEA

Rather rough at Christiansund and Hornsund, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over our northern districts appears to be extending slowly southward but as the barometer is falling somewhat in Ireland it is not improbable that a low-pressure system will shortly appear off our western coasts. Snow or sleet showers are probable at several of our northern and eastern stations.

## FORECASTS

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

### DISTRICTS.

### FORECASTS.

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

N<sup>ly</sup> winds, moderate, unsettled, snow or sleet showers.

D<sup>o</sup> D<sup>o</sup>

D<sup>o</sup> D<sup>o</sup>

Same as N<sup>o</sup> 5.

Same as N<sup>o</sup> 5.

NE<sup>ly</sup> winds, light or moderate, cloudy generally with some sleet showers, colder.

### DISTRICTS.

### FORECASTS.

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

NE<sup>ly</sup> winds; light, dull, misty.

D<sup>o</sup> D<sup>o</sup>

Variable or NE<sup>ly</sup> airs; dull, misty.

S<sup>ly</sup> and SE<sup>ly</sup> winds, moderate; dull, rain locally.

Variable or SE<sup>ly</sup> airs; dull, misty, rain locally.

### WARNINGS

None issued.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudeenase ...	29.86	40	36	NW 8	c	4	Holyhead ...	30.08	45	42	WNW 2	cm	1
Sumburgh Head ...	30.06	34	31	N 3	o	3	Valencia ...	30.13	50	45	NNW 2	bom	2
Stornoway ...	29.13	38	37	NE 5	ogm	4	Scilly ...	30.08	44	41	L 0	o	1
Aberdeen ...	30.02	43	41	NNE 4	r	1	Dungeness ...	30.01	44	41	WNW 4	c	2
Shields ...	29.99	41	40	N 1	od	2	London ...	30.03	43	38	WNW 2	omv	*
Ardrossan ...	30.05	45	44	WNW 3	o	2	Yarmouth ...	29.98	41	38	NN 2	bc	2
Malin Head ...	30.02	48	48	NN 1	bc	1	Jersey ...	30.08	41	39	N 2	o	2
Mullaghmore ...	30.09	48	45	W 4	cm	2	Rochefort ...	30.15	50	49	NN 1	m	2
Belmullet ...	30.11	50	47	W 1	o	*							

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

The Continental Report will be published tomorrow.

### 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 11<sup>th</sup> March 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 ..	29.49	9	NW	2	b	29.43	-.00	3	3	-5	NW	4	c	*	18	3	Ins.		
Hernösand ...	29.67	22	Z	0	b	29.72	+.05	16	14	-4	Z	0	b	*	36	14	-		
Stockholm ...	29.75	23	SW	2	b	29.81	+.09	23	20	+4	N	2	b	*	32	18	-		
Wisby ...	29.99	31	NW	6	b	29.84	+.17	30	28	0	NW	6	b	*	37	?	-		
Bodö ...	29.66	20	N	4	b	29.67	+.17	18	15	-6	ENE	2	b	1	25	18	-		
Christiansund...	29.90	29	NW	8	S	29.90	+.04	26	24	0	SSW	4	S	5	34	23	0.32		
Skudesnaes ...	30.04	30	NW	4	b	29.99	+.03	32	30	+2	NW	1	0	3	39	30	-		
Christiania Fjord (Farder)	29.91	31	W	4	b	29.93	+.07	28	25	0	NW	4	b	1	32	28	-		
Skagen (The Scaw)	29.93	30	N	1	b	29.95	+.16	31	30	-3	NW	1	c	1	34	25	-		
Faßö ...	30.02	31	NW	2	b	30.04	+.16	30	28	-5	NW	1	b	*	39	28	-		
BRITISH ISLANDS.																			
Sumburgh Head	30.12	28	N	1	b	30.05	-.09	28	23	+2	N	2	b	2	31	25	-		
Stornoway ...	30.11	30	E	6	sq	30.11	-.07	30	29	-2	NNE	5	sq	4	33	28	0.13		
Wick ...	30.16	32	E	3	0	30.04	-.14	32	32	0	N	3	sq	1	33	30	0.03		
Nairn ...	30.11	30	E	1	3	30.04	-.12	28	28	-6	E	1	S	1	38	27	0.28		
Aberdeen...	30.13	32	ENE	3	NS p	29.99	-.17	30	29	-4	N	4	S	3	37	29	0.42		
Leith ...	30.06	36	E	1	n	29.92	-.23	32	32	-2	NE	2	OS	*	48	31	0.45		
Shields ...	30.09	36	SE	2	qwp	29.87	-.27	38	37	0	SW	3	0	3	38	33	0.07		
Spurn Head ...	30.11	40	ESE	3	b	30.00	-.11	37	36	-4	S	4	b	3	44	35	-		
York ...	30.11	40	E	1	c	29.98	-.15	36	35	-3	S	1	b	*	43	34	0.03		
Loughborough	30.09	41	ESE	1	b	30.03	-.06	36	35	-3	SE	1	qgm	*	50	35	0.01		
Ardrossan ...	30.01	35	NE	3	om	29.91	-.18	31	31	-4	NE	4	Sf	2	42	30	0.49		
Malin Head ...	29.91	43	SSW	2	n	29.84	-.22	38	38	-4	NNE	4	0	5	45	37	0.51		
Mullaghmore ...	29.97	46	SW	2	0	29.89	-.14	42	40	-1	SW	1	om	1	52	40	0.04		
Belmullet ...	29.93	46	W	1	c	29.90	-.14	42	41	-2	E	1	c	*	48	41	0.05		
Donaghadee ...	30.01	44	SSW	4	c	29.91	-.17	39	39	-3	W	3	c	1	45	38	-		
Barrow-in-Furness	30.06	41	NE	3	0	29.96	-.15	40	38	0	S	4	0	*	42	39	0.03		
Liverpool (Bidston)	30.06	43	SE	1	0	29.97	-.14	36	34	-4	SSE	2	b	3	47	34	-		
Holyhead ...	30.06	44	SW	1	c	29.97	-.13	41	40	+1	S	1	mw	1	48	40	-		
Parsonstown ...	30.03	45	Z	0	n	29.94	-.14	40	39	-2	SSE	1	og	*	48	33	0.02		
Valencia ...	30.00	47	SE	2	om	29.85	-.22	48	47	+5	SSE	5	0	5	48	42	0.07		
Roche's Point...	30.03	46	SW	2	0	29.93	-.15	45	45	+2	SW	4	nm	4	47	41	0.01		
Pembroke ...	30.07	43	SE	1	c	29.99	-.11	40	39	0	E	2	cwm	1	46	38	-		
Scilly ...	30.04	45	SSE	2	c	29.97	-.11	46	44	+3	SSE	3	c	3	50	42	-		
Prawle Point ...	30.06	41	NE	2	0	30.00	-.10	37	36	-2	N	2	b	1	45	34	-		
Jersey ...	30.06	41	NE	1	om	29.99	-.09	40	39	+1	NE	1	om	1	42	39	-		
Hurst Castle ...	30.08	43	SSE	3	m	30.02	-.07	34	34	+2	ENE	2	cwm	1	46	36	0.02		
Dungeness ...	30.08	40	E	3	c	30.04	-.01	40	38	+4	SE	2	b	1	46	34	-		
London ...	30.09	42	ESE	3	b	30.05	-.04	32	32	-5	ESE	1	bf	*	46	30	-		
Oxford ...	30.10	41	ENE	3	0	30.04	-.06	36	35	-2	SE	1	0	*	47	35	-		
Cambridge ...	30.11	38	E	1	b	30.04	-.07	31	30	-7	S	1	b	*	49	24	-		
Yarmouth ...	30.18	40	NE	1	bv	30.07	-.01	38	35	-2	S	2	c	3	42	34	-		
Cuxhaven ...	30.04	37	NW	2	c	30.08	+.15	35	34	-3	SW	1	S	*	?	33	-		
Berlin ...	29.99	35	NW	4	b	30.10	+.23	28	27	-9	NW	2	b	*	43	27	-		
Wiesbaden ...	*	*	*	*	*	30.10	+.14	35	32	-2	NE	2	b	*	43	32	-		
Munich ...	29.97	40	NW	1	0	30.01	+.02	33	33	-9	W	3	0	*	50	32	0.39		
FRANCE & NETHERLANDS.																			
The Helder ...	30.13	36	Z	0	b	30.09	+.05	32	31	-5	S	1	c	1	39	32	-		
Brussels ...	*	*	*	*	*	30.06	+.04	33	31	-4	E	1	b	*	43	30	0.04		
Cape Gris Nez...	30.08	38	E	3	b	30.01	-.03	31	30	-8	E	3	b	1	45	?	-		
Paris ...	30.07	42	NNE	1	0	30.01	-.05	31	30	-7	NE	3	0	*	43	30	-		
Brest ...	30.06	44	N	3	0	29.99	-.11	37	35	-5	E	5	m	4	?	32	-		
Lorient ...	30.05	43	Z	0	c	29.98	-.12	38	36	-1	E	3	m	2	46	34	-		
Rockfort ...	30.04	50	NE	4	b	29.96	-.17	39	37	-2	NE	5	b	2	51	32	-		
Belfort ...	30.01	38	W	1	0	29.96	-.03	33	33	-9	NE	3	0	*	41	26	-		
Lyons ...	30.02	47	N	4	c	29.97	-.09	40	39	-3	N	1	h	*	59	39	0.20		
Nice ...	29.73	51	Z	0	b	29.95	-.07	45	44	-2	E	1	c	2	61	43	-		
Perpignan ...	29.98	51	Z	0	b	29.91	-.15	47	47	+7	NW	1	0	*	60	?	-		
Barritz ...	29.93	54	NE	3	b	29.86	-.18	53	52	+3	NW	4	m	1	57	48	0.04		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	
Lisbon ...	29.89	55	SW	3	n	29.93	-.04	54	53	+2	NW	3	b	4	54	?	0.63		

For Explanation of Columns, see p. 4.



# WEATHER

# CHARTS

for 8 a.m. on Friday, 11<sup>th</sup> March 1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

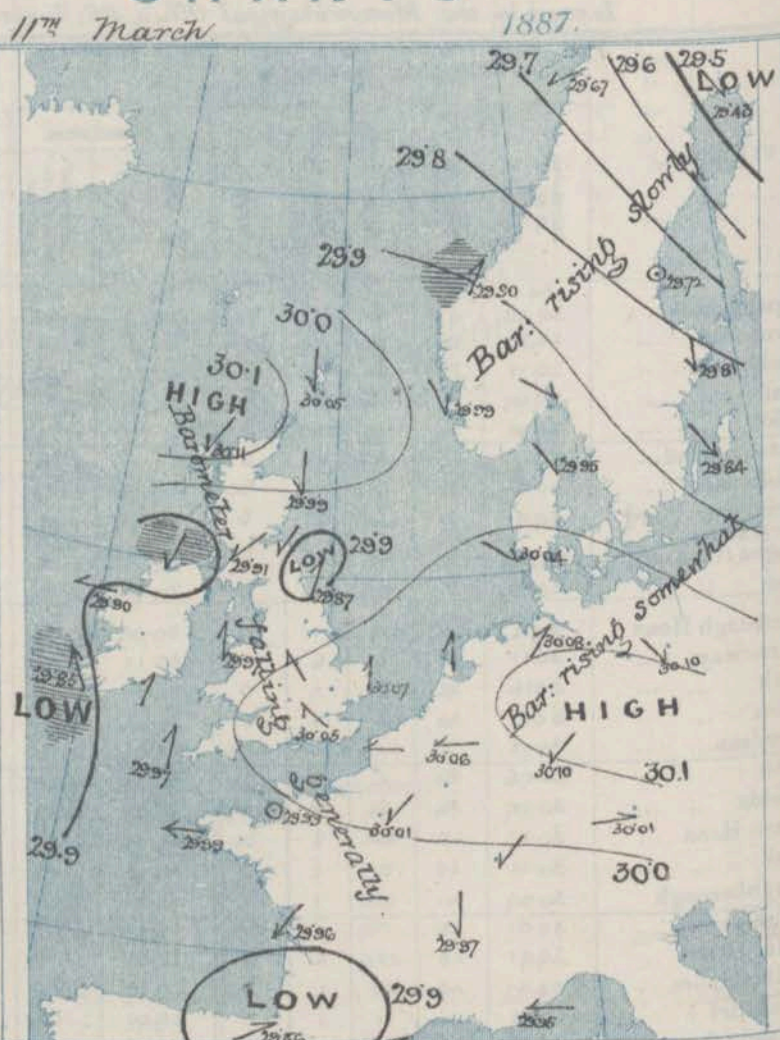
**Sea disturbance** — where considerable is shown thus

■ — Rough. ■ — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.776
Stornoway	29.780
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LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



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

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

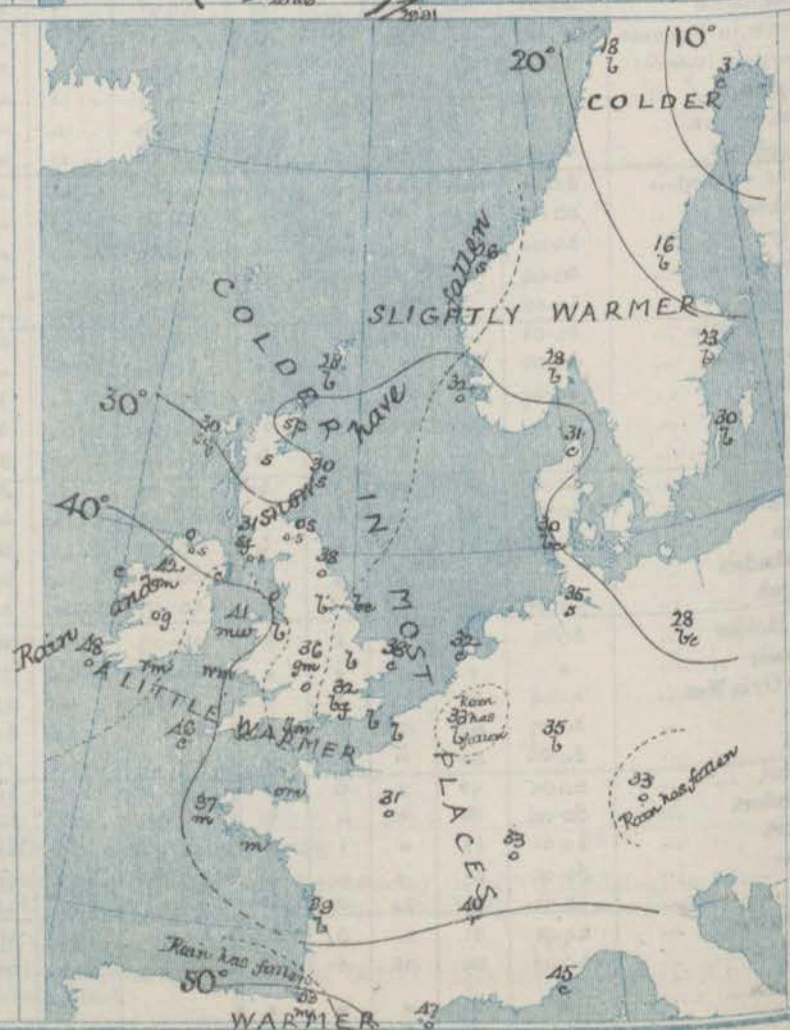
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
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Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	39.9	1.09
Valencia	51.8	40.8	45.6	43.6	4.24
Roche's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	45.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	32.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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, in an anticyclonic system lying off the north of Scotland, and also in another lying over the Netherlands and North Germany. Lowest, 29.5 in: and less, over the north of Sweden, but relatively low, 29.9 in: and less, in three shallow depressions lying respectively over the N.E. of England, the north of Ireland, and the southwest of France.
TEMPERATURE	Highest, 54° at Lisbon, 53° at Biarritz, 48° at Valencia, 47° at Perpignan, and 46° at Sicily. Lowest, 3° at Hafnaranda, 16° at Helsingfors, 18° at Rode, and 23° at Stockholm, lowest in our Islands 28° at Lumburg H <sup>ts</sup> and Naum.
WIND	Moderate from N. or N.E. over Scotland and the north of Ireland. Light to moderate from S. or S.E. over the greater part of England. Fresh from S.S.E. at Valencia; moderate from E. or N.E. over France.
WEATHER	Fine in the east and south-east of England, as well as at many of the Continental stations. Cloudy or overcast elsewhere with snow in Scotland, and also at Christianund and Lushawen, and rain at Lyon. Heavy snow fell yesterday at many of the Scotch stations.
SEA	Rather rough at Christianund, Malin H <sup>t</sup> and Valencia, and moderate at Lumburg, but slight or smooth elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

With the present very irregular distribution of pressure the small depressions over the north-east of England and north of Ireland, are not likely to change their position much, although they may possibly undergo some alteration in size and intensity.

The new disturbance which is approaching Ireland, will probably occasion an increase in the force of the winds on our west coasts, with a further extension of unsettled weather. It is, however, doubtful whether our south-eastern districts will be materially affected at present.

## FORECASTS

for the 24 hours ending at NOON on 12<sup>th</sup> March 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
* 0 { SCOTLAND NORTH	N <sup>th</sup> and N.E. <sup>th</sup> winds, freshening; unsettled, some snow squalls.	* 6 { SCOTLAND WEST	N.E. <sup>th</sup> or E. <sup>th</sup> winds freshening; unsettled, some snow.
* 1 { SCOTLAND EAST	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----	7 { ENGLAND N. W.	S.E. <sup>th</sup> winds freshening; cloudy, some rain or sleet.
2 { ENGLAND N. E.	Variable or S. <sup>th</sup> breezes; fair to unsettled and some rain.	8 { ENGLAND S. W.	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----
3 { ENGLAND EAST	Same as N <sup>o</sup> 5	* 9 { IRELAND NORTH	Variable breezes, finally E. <sup>th</sup> ; cloudy, some rain or sleet.
4 { MIDLAND COUNTIES	Same as N <sup>o</sup> 5.	* 10 { IRELAND SOUTH	S.E. <sup>th</sup> and S. <sup>th</sup> strong winds and gales; dull, some rain.
5 { ENGLAND SOUTH	S.E. <sup>th</sup> winds, light or moderate; fair at first, doubtful later, perhaps rain.	WARNINGS	
		The S. cone was hoisted last evening in districts 6, 9, and 10, and the N. cone in district 8 and part of 1. An asterisk is inserted against those districts in which the signals are now flying.	



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeanaes ...	30.01	34	32	NW 4	b	3	Holyhead ...	30.09	46	42	SW 3	cm	2
Sumburgh Head ...	30.15	30	28	N 1	bc	2	Valencia ...	30.04	48	44	SW 4	cm	4
Stornoway ...	30.15	31	30	EHE 6	sq	5	Scilly ...	30.06	49	46	SE 2	c	2
Aberdeen ...	30.15	36	32	NHE 3	o	2	Dungeness ...	30.09	44	42	E 2	m	1
Shields ...	30.15	37	36	ESE 2	n	3	London ...	30.11	46	41	NHE 2	o	*
Ardrossan ...	30.08	35	34	NE 3	o	2	Yarmouth ...	30.13	42	39	NE 3	bc	2
Malin Head ...	29.95	44	44	SW 4	o	3	Jersey ...	30.07	42	40	ESE 1	o	1
Mullaghmore ...	30.00	50	46	SW 2	c	2	Rochefort ...	30.10	52	49	NE 4	b	2
Belmullet ...	30.01	48	46	NW 2	o	*							

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

The Continental Reports for yesterday have not arrived.

General Remarks for the 24 hours ended 8 am March 10<sup>th</sup> 1887.

The reports for yesterday morning showed an important change in the distribution of weather over Western Europe, the anticyclone which lay over the Baltic and Denmark on the previous day had moved south-eastward to the shores of the Black Sea, while a second such system lay over the Bay of Biscay and the southwest of Ireland. In each of these the maximum readings exceeded 30.1 in., and in the regions between them it exceeded 30.0 in.: To the northward, however, pressure decreased to below 29.4 in.: over Finland, but to the southward the gradients were only trifling. Variable W. breezes were consequently prevalent over the northern half of the Continent, and were accompanied by dry weather in most places. The only stations reporting rainfall being those in the extreme NW. Over central, western and southern Europe calms, variable air, and fair weather (but hazy) were reported. Temperature was rising slowly, but steadily over the Mediterranean, the isotherm of 50° F. having advanced northwards to the southern parts of France and the northwest of Italy; over Finland and Russia, however, the weather was still cold. The highest individual readings were 63° at La Galle (Algiers), 59° at Malta, 58° at Palma, 57° at Cagliari, 56° at Brindisi, 53° at Kiel, and 51° at Birmm; the lowest were 8° at Haparanda and Ulsborg, 12° at Archangel, 17° at Moscow, 19° at Kharkov, 23° at Bodö, and 27° at Warsaw.

During the day a new depression appeared over Northern Europe, and the distribution of pressure became irregular over the British Isles, where also the weather became less settled than of late in some localities. Snow fell in Scotland and the north 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 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 Saturday 12<sup>th</sup> March

1887.

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

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

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 2.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.		
	Inch.	°				Inch.	Inch.	°	°	°					°	°	Inch.	
<b>SCANDINAVIA.</b>																		
Haparanda ...	29.54	8	NE	2	c	29.80	+ .37	7	7	+ 4	2	0	c	*	16	- 4	-	
Hernösand ...	29.76	18	NEW	2	b	29.88	+ .16	17	14	+ 1	2	0	b	*	30	12	-	
Stockholm ...	29.71	27	NEW	2	c	29.81	0.00	14	12	- 9	1	2	b	*	30	?	-	
Wisby ...	29.83	32	NW	4	bc	29.76	- .08	25	25	- 5	ENE	4	c	*	36	?	0.04	
Bodö ...	29.83	15	ENE	2	b	29.80	+ .13	18	17	0	E	2	bc	1	18	12	-	
Christiansund...	29.93	29	SW	4	o	29.94	+ .04	28	27	+ 2	S	3	S	3	30	23	0.16	
Skudesnaes ...	29.92	31	NE	2	b	29.97	- .02	28	28	- 4	NE	2	bc	2	37	?	-	
Christiania Fjord	29.86	32	NW	6	b	29.91	- .02	26	22	- 2	NE	6	b	1	24	25	-	
(Forder)																		
Skagen (The Scaw)	29.84	32	NE	0	o	29.83	- .12	26	24	- 5	ENE	4	bc	3	34	25	-	
Fanö ...	29.72	30	SW	6	S	29.62	- .42	26	26	- 4	NE	8	S	*	37	25	0.08	
<b>BRITISH ISLANDS.</b>																		
Sumburgh Head	30.02	31	NE	3	c	30.12	+ .07	30	28	+ 2	NE	2	c	4	36	26	0.03	
Stornoway ...	30.13	29	N	5	Sq	30.22	+ .11	30	30	0	NEW	4	bc	3	34	25	0.28	
Wick ...	30.06	32	N	4	o	30.15	+ .11	30	29	- 2	N	2	c	1	38	28	0.07	
Nairn ...	30.04	32	ENE	3	S	30.14	+ .10	29	28	+ 1	NW	1	bc	1	34	26	0.08	
Aberdeen...	29.97	32	N	4	Sq	30.09	+ .10	29	26	- 1	NEW	4	b	3	38	26	0.10	
Leith ...	29.97	33	NE	1	o	30.10	+ .18	30	30	- 2	N	1	bc	*	34	28	0.15	
Shields ...	29.89	34	N	2	ns	30.02	+ .15	30	30	- 8	E	3	S	4	43	29	0.22	
Spurn Head ...	29.83	41	NE	4	c	29.89	- .11	35	34	- 2	ENE	6	bcqsp	6	47	32	0.07	
York ...	29.86	38	N	1	o	29.95	- .03	32	31	- 4	NE	1	bsp	*	48	30	0.22	
Loughborough	29.86	43	S	1	b	29.87	- .16	32	31	- 4	NE	3	asp	*	51	31	0.83	
<b>GERMANY.</b>																		
Androssau ...	29.96	30	NE	4	S	30.11	+ .20	27	26	- 4	N	2	bv	1	31	24	0.16	
Malin Head ...	29.97	35	NE	6	bc	30.19	+ .35	34	34	- 4	NE	4	b	4	38	32	0.02	
Mullaghmore ...	29.95	38	NE	6	o	30.15	+ .26	36	33	- 6	NE	5	bv	5	48	33	0.04	
Balmullet ...	29.97	39	NE	6	o	30.18	+ .28	35	33	- 7	N	6	c	*	44	31	0.18	
Donaghadee ...	29.92	34	E	6	S	30.10	+ .19	35	34	- 4	NE	8	c	6	44	31	0.07	
Barrow-in-Furness	29.83	38	N	4	S	29.98	+ .02	30	29	- 10	NE	1	c	*	46	30	0.36	
Liverpool (Bidston)	29.84	43	W	2	N	29.97	0.00	32	31	- 4	NE	3	S	3	49	31	0.39	
Holyhead ...	29.85	42	SW	3	nm	30.00	+ .03	33	33	- 8	NE	5	eqsp	4	47	33	0.54	
Parsonstown ...	29.86	38	NE	2	N	30.09	+ .15	29	28	- 11	NE	1	b	*	47	27	0.29	
Valencia ...	29.89	49	NW	1	nm	30.07	+ .22	34	32	- 14	NE	6	bc	6	52	33	0.51	
<b>FRANCE &amp; NETHERLANDS.</b>																		
Roche's Point...	29.82	49	NW	5	N	29.99	+ .06	33	31	- 12	NE	4	b	4	49	32	0.35	
Pembroke ...	29.87	44	SW	4	o	29.91	- .08	37	35	- 3	NE	5	chg	3	47	36	0.22	
Scilly ...	29.91	47	NW	4	c	29.86	- .11	42	41	- 4	NE	5	op	4	54	40	0.01	
Prawle Point ...	29.90	43	SW	2	b	29.80	- .20	40	39	+ 3	NEW	3	o	3	49	35	0.14	
Jersey ...	29.94	42	NE	1	bm	29.84	- .15	43	42	+ 3	NW	4	em	3	47	39	-	
Harst Castle ...	29.93	42	SW	2	c	29.77	- .25	40	40	+ 4	N	3	nm	1	46	38	0.07	
Dungeness ...	29.92	40	SE	2	b	29.64	- .40	43	43	+ 3	NW	5	N	3	44	35	0.10	
London ...	29.90	37	S	1	bs	29.75	- .30	35	35	+ 3	NE	3	ost	*	48	32	0.31	
Oxford ...	29.87	40	SW	1	b	29.83	- .21	33	33	- 3	NE	4	oq	*	47	33	0.17	
Cambridge ...	29.86	40	S	1	b	29.83	- .21	33	33	+ 2	N	2	S	*	51	28	?	
Yarmouth ...	29.88	37	S	3	b	29.80	- .27	33	33	- 5	NE	7	oq	6	40	31	0.26	
Cuxhaven ...	29.96	37	SW	1	b	29.61	- .47	36	33	0	NEW	5	bc	*	39	33	-	
Berlin ...	29.97	36	S	1	b	29.68	- .42	30	29	+ 2	SW	2	c	*	41	28	-	
Wiesbaden ...	*	*	*	*	*	29.78	- .32	38	36	+ 3	SW	1	o	*	45	?	-	
Munich ...	29.88	33	NE	1	o	29.80	- .21	39	38	+ 6	W	3	o	*	39	32	0.04	
<b>ITALY.</b>																		
The Helder ...	29.87	33	NW	1	b	29.76	- .33	35	32	+ 3	NE	4	o	3	39	32	0.16	
Brussels ...	*	*	*	*	*	29.78	- .28	35	35	+ 2	SW	5	o	*	44	33	-	
Cape Gris Nez...	29.90	37	NW	3	b	29.71	- .30	40	40	+ 9	SW	7	N	5	45	?	0.16	
Paris ...	29.93	41	N	3	o	29.85	- .16	29	29	- 2	SE	1	m	*	45	28	-	
Brest ...	29.97	47	NEW	3	b	29.91	- .08	44	43	+ 7	SE	4	o	4	?	32	-	
Lorient ...	29.93	46	NW	3	b	29.88	- .10	43	40	+ 5	SW	3	c	2	50	36	-	
Rochefort ...	29.94	30	N	5	b	29.97	+ .01	37	35	- 2	ENE	3	b	2	61	32	-	
Belfort ...	? 29.85	40	E	1	o	? 29.86	- .10	37	35	+ 4	SE	3	o	*	42	31	-	
Lyons ...	29.87	48	SE	1	c	29.93	- .04	40	39	0	N	3	b	*	59	39	0.08	
Nice ...	29.89	50	E	1	o	29.85	- .10	49	46	+ 4	S	1	b	0	59	43	-	
Perpignan ...	29.89	53	N	0	o	29.92	+ .01	46	45	- 1	N	1	b	*	57	44	-	
Biarritz ...	29.88	55	W	5	o	29.90	+ .04	50	49	- 3	SW	1	m	2	61	48	-	
<b>SPAIN.</b>																		
Corunna ...	*	*	*	*	*													
Lisbon ...	29.99	37	SW	5	b	29.94	+ .01	54	54	0	NE	4	o	2	61	54	-	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Saturday, 12<sup>th</sup> March, 1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

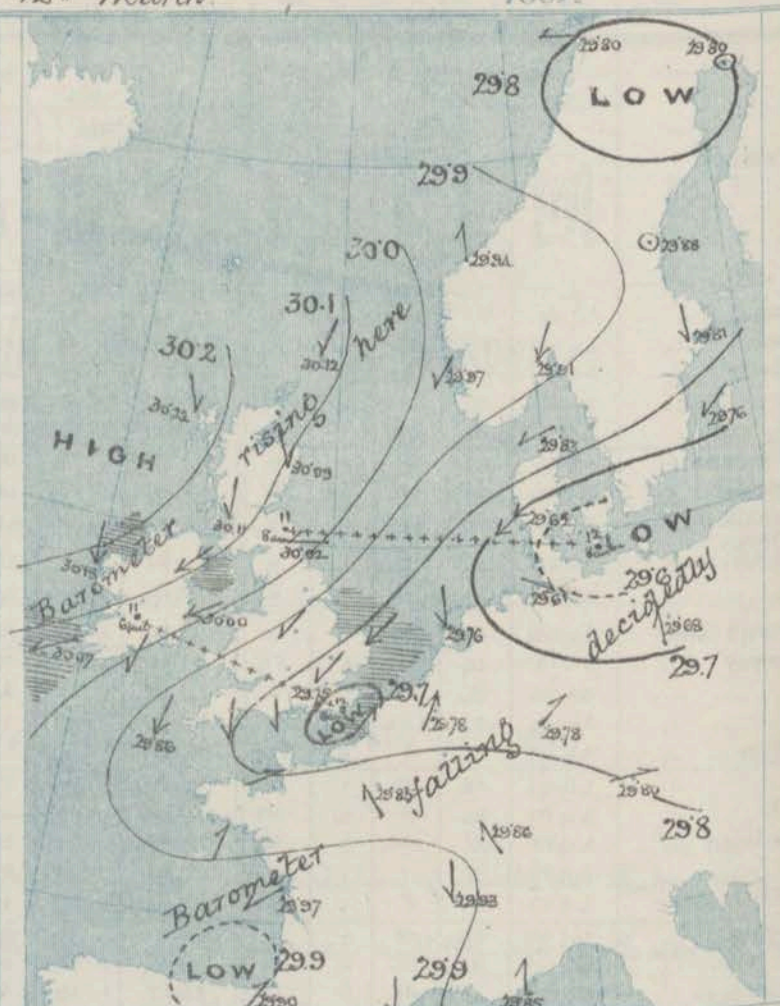
**Sea Disturbance** — where considerable is shown thus

■ = Rough, ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Rocha's Point	29.936
Pembroke	29.942
Scilly	29.968
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



## 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.

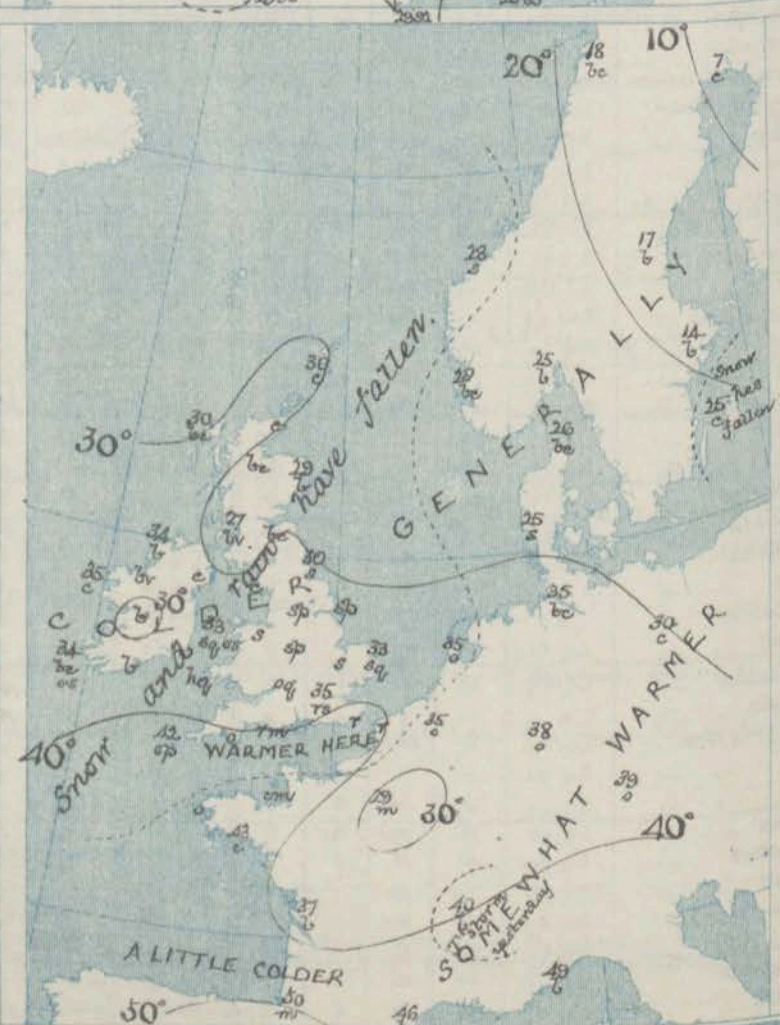
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	Average	Wet.	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	39.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.69
Valencia	51.8	40.8	45.6	43.8	4.24
Rocha's Point	50.1	30.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 ins and upwards in the neighbourhood of the Hebrides.  
 Lowest, 29.6 ins and less in a depression lying off the south-east of Denmark, but also low, 29.7 ins and less in another system lying over the extreme south-east of England.

## TEMPERATURE

Highest, 54° at Lisbon, 50° at Suez, 49° at Nice and 45° at Jersey and Biscaya.  
 Lowest, 7° at Haparanda, 11° at Stockholm, 17° at Helsingfors and 18° at Rostock; lowest over our islands 27° at Ardrossan.  
 Frost occurred last night over all the more northern parts of the United Kingdom.

## WIND

Light or moderate from N or NW over Scotland and the south of Scandinavia.  
 Fresh or strong from NE over Denmark and the greater part of Ireland and England.  
 Moderate from SW over Germany and the north of France; variable in the south of France.

## WEATHER

Fine in Ireland, Scotland, Scandinavia and the south of France.  
 Cloudy elsewhere, with snow over all the more northern and eastern parts of England as well as at Christiansund and Jans, and rain over the eastern parts of the Channel.

## SEA

Rough off the east of England and west of Ireland as well as at Bonaparte, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The small depression which lay over the north-east of England yesterday has travelled away to the neighbourhood of Holstein; while the other low-pressure system noticed off the north-west of Ireland, after moving in a south-south-easterly direction to the south of that country, has passed east-south-eastwards across England and now has its centre over Kent. Both disturbances will probably continue to travel away in an easterly direction and the improvement in the weather reported over Scotland is therefore likely to extend to the English stations shortly.

## FORECASTS

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

### DISTRICTS.

### FORECASTS.

0 SCOTLAND NORTH

NW or N winds, moderate; fair generally.

1 SCOTLAND EAST

-----D-----D-----D-----

2 ENGLAND N.E.

NE or N winds, strong to moderate; squally, some snow showers.

3 ENGLAND EAST

-----D-----D-----D-----

4 MIDLAND COUNTIES

Same as N° 5

5 ENGLAND SOUTH

NE or N winds, moderate; some snow showers at first then fair. Frost at night.

### DISTRICTS.

### FORECASTS.

6 SCOTLAND WEST

Same as N° 0

7 ENGLAND N.W.

NE and N winds, fresh; snow showers at first then fair.

8 ENGLAND S.W.

N winds, moderate or fresh; fair generally.

9 IRELAND NORTH

NE and N winds, fresh; fair generally, but local showers.

10 IRELAND SOUTH

Same as N° 8.

### WARNINGS

The signals have been lowered this morning in districts 0, 6, 9 and part of 1.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeanaes ...	29.95	37	32	W 2	c	3	Holyhead ...	29.91	46	44	SSW 3	m	2
Sumburgh Head ...	30.03	33	30	W 3	bc	3	Valencia ...	29.84	52	51	W 4	on	4
Stornoway ...	30.11	33	33	N 5	cs p	4	Scilly ...	29.95	54	51	SSW 3	c	3
Aberdeen ...	29.97	33	32	N 4	s p	3	Dungeness ...	29.95	42	40	SSW 2	b	1
Shields ...	29.87	37	37	W 4	n	3	London ...	29.95	43	39	SE 1	g f	*
Ardrossan ...	29.95	30	30	W 4	s	2	Yarmouth ...	29.96	40	39	SE 4	b	3
Malin Head ...	29.96	34	34	E 5	n	5	Jersey ...	29.95	46	44	N 3	c	3
Mullaghmore ...	29.93	39	37	W 6	chr sp	5	Rochefort ...	29.95	58	52	W 4	b	2
Belmullet ...	29.94	39	37	W 5	x	*							

## GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that pressure varied from 30.0 ins. to 30.2 ins. over nearly the whole of Western and Central Europe, whence it decreased in an E direction to about 29.5 ins. over northern and central Russia. Over the British Isles the barometer was falling irregularly, and shallow local depressions were appearing both over the United Kingdom and Spain. The wind, though chiefly E in the north, was becoming very variable elsewhere, but was of little strength and showers of cold rain or snow had become more numerous at the Continental stations, while large quantities of snow fell in the north of the British Isles. Temperature changed very little over the Mediterranean and the Peninsula but fell over Central Europe and the British Isles as well as over Algeria; at 8 am it ranged from nearly 53° over the southern parts of the Mediterranean to much below the freezing point over NW Europe, the Baltic coast and northern Russia. The highest individual reading, was 53° at Biskra (Algeria), 58° at Bilbao, 57° at Oporto and Brindisi, 56° at Naples, 55° at Livorno and Corunna, and 54° at Barcelona; the lowest - 21° at Archangel, +3° at Haparanda, 1° at Kuopio, 14° at St. Petersburg, 15° at Moscow, 16° at Kiena, 18° at Bodo, 23° at Stockholm, 28° at Sumburgh Head, Kinn and Berlin, and 31° at Cambridge.

Later in the day, a small depression passed in a southeasterly direction over the British Isles, and squalls of snow or cold rain spread over England, with varying, but chiefly E winds.

General Remarks for the 24 hours ended 8 am March 11<sup>th</sup> 1887.

The reports for the morning of Thursday (10<sup>th</sup>) showed that pressure was highest (30.0 ins. to 30.2 ins.) over the British Isles with western and southern Europe, and lowest over Finland and the north of Russia. The gradients were not steep, but some local irregularities were appearing in the distribution of pressure, which indicated the gradual approach of less settled weather than we have had for a long time past. The winds varied greatly in direction over the United Kingdom, but were chiefly NW to W over the Continent, and were not strong except at one or two widely separated stations. In all countries cloudiness had increased and showers were becoming general. Scotland experienced a general fall of sleet and snow, and similar conditions prevailed at some of the Scandinavian and Baltic stations. Temperature showed some further increase over southern and Central Europe, while in the NW it fell rather decidedly, and readings varied from rather above 50° in the extreme SW and S. to rather below the freezing point in Scotland and the southern parts of Scandinavia, as well as over Hungary, and to many degrees below it over Northern Europe. The highest individual (morning) readings reported were 62° at Biskra (Algeria) and Palermo, 59° at Malta, 57° at Baghain, Brindisi and Livorno, 56° at Barcelona, 52° at Lisbon, and 50° at Biarritz; the lowest 11° at Archangel, +5° at Kuopio, 8° at Haparanda, 12° at St. Petersburg, 18° at Moscow, 31° at Kinn, and 32° at Stornoway and Wex.

During the day a great deal of snow fell in the north of the British Isles, and the tendency to a prevalence of unsettled weather increased over NW Europe generally. A sharp frost occurred over England at night.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

**WEATHER.**—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. 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 8 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

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# DAILY WEATHER REPORT.

for Sunday 13<sup>th</sup> March 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.		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.)		Weather.	Max.		Min.	
Haparanda ...	29.24	8	L	0	b	29.79	- .01	3	3	- 4	NW	2	b	*	19	3	-	
Hernösand ...	29.91	21	NE	4	s	29.95	+ .07	14	14	- 3	L	0	bc	*	30	12	-	
Stockholm ...	29.80	17	NNE	2	b	29.86	+ .05	15	13	+ 1	NNE	2	b	*	28	10	-	
Wisby ...	29.74	23	NE	4	bc	29.75	- .01	21	20	- 4	ENE	4	bc	*	34	21	0.04	
Bodö ...	29.82	18	ENE	4	m	29.87	+ .07	15	12	- 3	ENE	2	b	1	23	14	-	
Christiansund...	29.84	34	NW	4	s	29.74	- .20	28	25	0	NE	4	bc	4	?	25	0.16	
Skudesnaes ...	29.92	31	NNE	2	b	29.88	- .09	29	28	+ 1	NNW	2	o	2	37	28	-	
Christiania Fjord (Fjord)	29.84	31	L	0	b	29.80	- .11	27	24	+ 1	NNE	2	b	1	30	?	-	
Skagen (The Scaw)	29.85	30	NE	2	b	29.79	- .04	31	28	+ 5	N	1	bc	1	?	25	-	
Fanö ...	29.91	21	N	4	b	29.91	+ .29	33	32	+ 7	WSW	4	b	*	34	21	-	
Sumburgh Head	30.14	29	NNE	1	b	30.05	- .07	28	27	- 2	N	4	s	2	34	26	0.01	
Stornoway ...	30.28	29	N	4	bc	30.28	+ .06	31	31	+ 1	NNW	4	c	1	35	25	0.18	
Wick ...	30.20	32	NW	3	bc	30.14	- .01	32	31	+ 2	N	4	c	1	38	25	0.14	
Nairn ...	30.22	32	N	1	c	30.13	- .01	28	27	- 1	WNW	2	bc	2	37	23	0.05	
Aberdeen...	30.18	30	NW	4	cps	30.15	+ .06	30	29	+ 1	NW	4	sp	2	37	25	0.03	
Leith ...	30.20	34	N	1	b	30.22	+ .12	29	28	- 1	W	1	bm	*	42	24	-	
Shields ...	30.14	32	NW	1	cps	30.16	+ .14	25	25	- 5	NW	2	bc	4	39	22	0.21	
Spurn Head ...	30.08	35	NE	4	b	30.11	+ .22	32	31	- 3	NNW	6	b	6	38	27	0.05	
York ...	30.12	35	N	1	bc	30.19	+ .24	26	26	- 6	NNW	1	b	*	40	24	0.03	
Loughborough	30.08	30	NE	2	b	30.19	+ .32	25	24	- 7	WNW	3	b	*	39	22	0.03	
Ardrossan ...	30.22	35	N	2	b	30.24	+ .13	28	27	+ 1	NE	1	bm	1	37	22	-	
Malin Head ...	30.28	36	NE	2	b	30.31	+ .12	35	35	+ 1	NNE	4	bc	4	37	30	0.03	
Mullaghmore	30.24	38	NE	5	bc	30.30	+ .15	34	32	- 2	NE	4	bc	2	40	28	0.01	
Belmullet ...	30.27	38	NE	5	b	30.32	+ .14	34	33	- 1	E	3	b	*	40	29	0.06	
Donaghadee ...	30.22	37	ENE	3	bc	30.25	+ .15	35	33	0	NNE	5	b	3	39	33	-	
Barrow-in-Furness	30.16	34	NNE	2	b	30.21	+ .23	31	29	+ 1	NNE	2	bc	*	38	25	-	
Liverpool (Bidston)	30.14	34	NE	2	b	30.22	+ .25	31	29	- 1	NNE	1	b	2	36	28	-	
Holyhead ...	30.14	36	NE	4	bc	30.23	+ .23	35	34	+ 2	NE	2	cps	2	38	33	0.01	
Parsonstown ...	30.19	35	NE	2	b	30.29	+ .20	23	22	- 6	L	0	b	*	38	19	-	
Valencia ...	30.16	38	ENE	5	bc	30.30	+ .23	34	31	0	NNE	1	bm	2	42	31	-	
Roche's Point...	30.10	37	NE	5	b	30.24	+ .25	31	29	- 2	NNE	3	b	4	42	29	-	
Pembroke ...	30.07	36	ENE	5	bc	30.23	+ .32	32	29	- 5	ENE	2	b	2	39	29	-	
Scilly ...	29.94	44	E	6	o	30.10	+ .24	36	34	- 6	E	7	bc	6	43	33	-	
Prawle Point ...	29.96	38	ENE	6	c	30.14	+ .34	34	31	- 6	NNE	6	bc	6	40	31	-	
Jersey ...	29.88	36	ENE	5	ofs	30.07	+ .23	32	28	- 11	ENE	5	c	5	47	32	0.14	
Hurst Castle ...	29.97	37	ENE	6	c	30.17	+ .40	30	28	- 0	NE	4	b	2	42	25	-	
Dungeness ...	29.91	26	E	5	c	30.13	+ .49	30	29	- 13	NNE	3	bc	2	44	25	0.27	
London ...	30.03	38	NE	4	bc	30.15	+ .40	28	28	- 7	NE	2	f	*	39	25	-	
Oxford ...	30.12	30	NE	3	b	30.20	+ .37	26	25	- 7	NNE	1	b	*	40	21	-	
Cambridge ...	30.05	32	N	3	b	30.16	+ .33	28	27	- 5	NW	2	b	*	42	21	-	
Yarmouth ...	30.00	34	WNW	6	bc	30.09	+ .29	31	30	- 2	WNW	3	bc	5	37	24	0.09	
Cuxhaven ...	29.81	30	N	6	bc	29.98	+ .37	30	29	- 5	WNW	1	b	*	?	28	-	
Berlin ...	29.58	30	WNW	6	o	29.89	+ .21	26	24	- 4	NW	4	c	*	43	23	0.04	
Wiesbaden ...	*	*	*	*	*	30.08	+ .30	26	23	- 12	NNE	3	b	*	48	21	-	
Munich ...	29.84	31	W	2	b	29.93	+ .13	21	20	- 18	NNW	2	s	*	45	19	0.16	
The Helder ...	30.02	33	NNE	3	bc	30.02	+ .26	31	29	- 4	NNW	1	s	1	36	30	0.12	
Brussels ...	*	*	*	*	*	30.11	+ .33	24	24	- 11	ESE	1	b	*	37	20	0.35	
Cape Gris Nez...	29.91	35	E	8	o	30.09	+ .38	30	30	- 10	E	3	bc	4	?	27	0.16	
Paris ...	29.86	32	N	5	r	30.06	+ .21	27	25	- 2	NE	5	o	*	50	27	0.04	
Brest ...	29.77	40	S	5	o	30.00	+ .09	33	31	- 11	E	7	o	4	63	32	0.08	
Lorient ...	29.84	45	L	0	r	29.94	+ .06	32	30	- 11	E	8	o	5	48	27	-	
Rockfort ...	29.88	48	NW	4	o	29.85	- .12	34	33	- 3	ENE	8	s	3	52	28	0.08	
Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lyons ...	29.86	52	N	1	c	29.85	- .08	31	31	- 9	N	7	s	*	57	31	0.04	
Nice ...	29.69	51	W	3	b	29.67	- .18	34	47	+ 5	W	1	c	2	57	43	-	
Perpignan ...	29.82	55	W	3	c	29.73	- .19	47	46	+ 1	N	1	b	*	65	45	-	
Biarritz ...	29.82	55	ENE	3	o	29.71	- .19	51	49	+ 1	E	3	bc	1	59	50	-	
Corunna ...	*	*	*	*	*	29.79	- .11	57	54	+ 2	SSW	1	b	4	66	30	0.16	
Lisbon ...	29.86	57	SSE	5	bc	29.79	- .15	54	54	0	L	0	o	4	59	54	0.08	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Sunday, 13<sup>th</sup> March.

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.

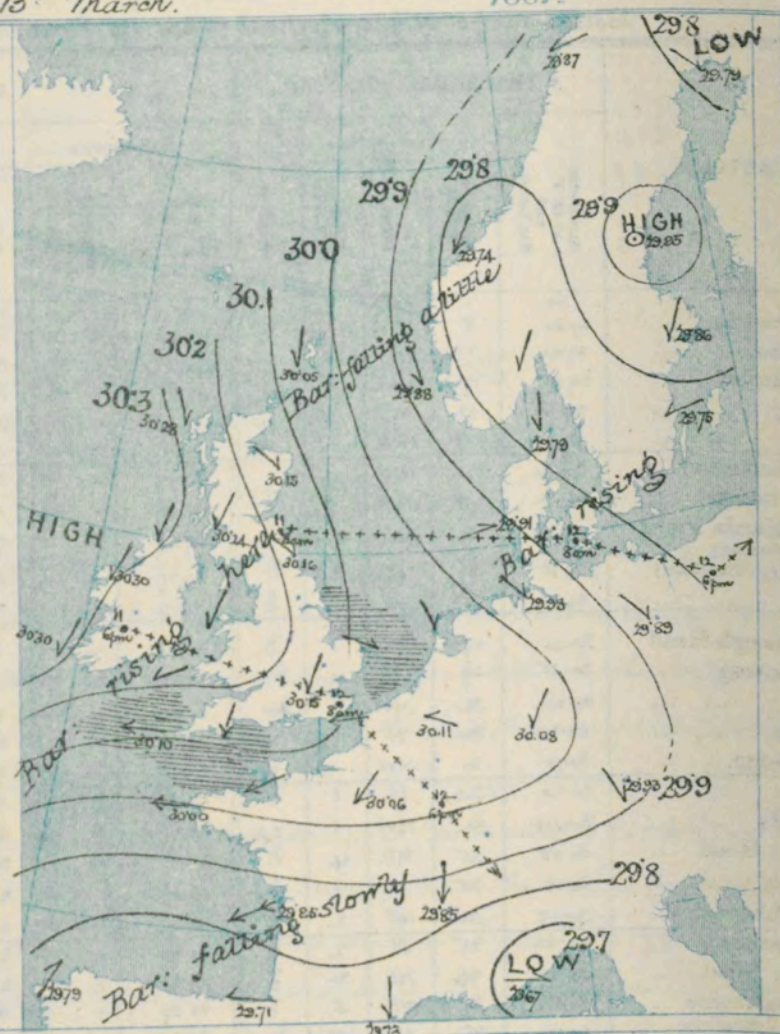
**Sea Disturbance** — where considerable is shown thus

▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.	
	in.	
Sumburgh Head	29	776
Stornoway	29	780
Wick	29	801
Nairn	29	819
Aberdeen	29	827
Leith	29	861
Shields	29	895
York	29	920
Ardrossan	29	876
Donaghadee	29	886
Holyhead	29	912
Liverpool	29	920
Valencia	29	936
Roche's Point	29	936
Pembroke	29	942
Scilly	29	968
Hurst Castle	29	958
Dover	29	953
LONDON	29	959
Oxford	29	962
Cambridge	29	962
Yarmouth	29	934



## 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.

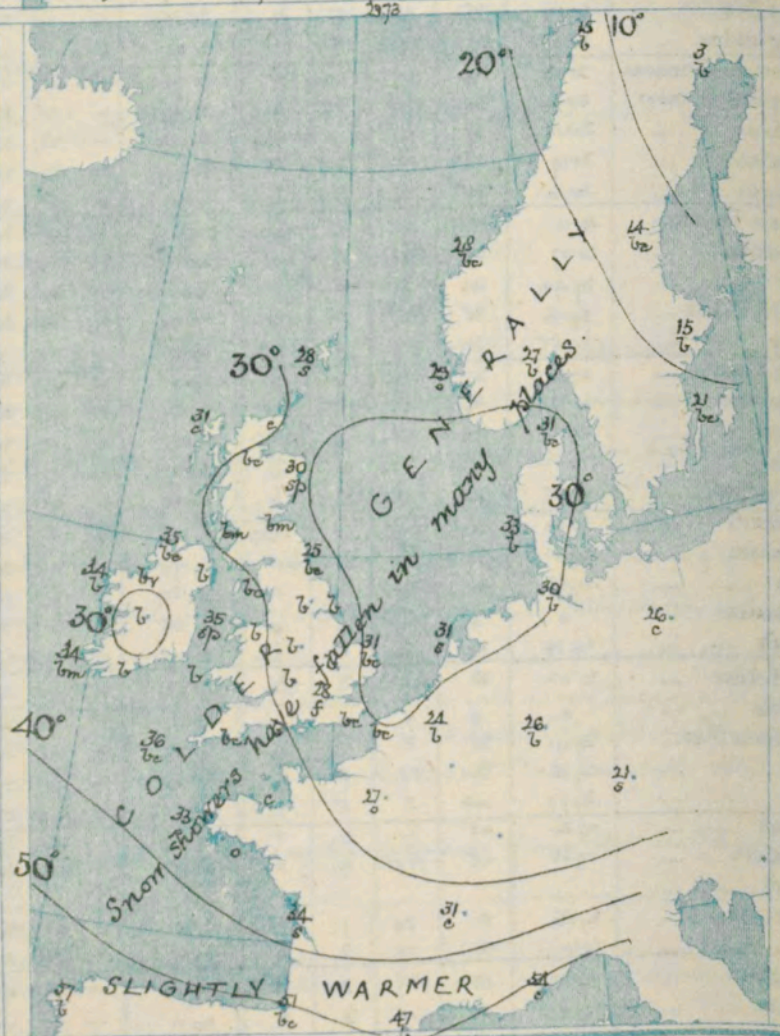
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.69
Valencia	51.8	40.8	45.6	43.6	4.24
Roche's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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 upwards, in an anticyclone lying off the west of Ireland. Lowest, 29.7 ins. and less, in a small depression lying over Hindmont, but relatively low, 29.8 ins. and less, in a band extending from the Baltic across the southern parts of Sweden and Norway.
TEMPERATURE	Highest, 57° at Corunna, 54° at Nice and Lisbon, 51° at Biarritz and 47° at Perpignan; highest in our Islands 36° at Dublin. Lowest, 3° at Hafnarfjörður, 14° at Helsingfors, 15° at Rode, 21° at Munich, and 23° at Carlskrona. Sharp frost occurred generally last night; in London the thermometer on the grass fell to 17°.
WIND	Moderate from NW. or N. over the North Sea, Germany, and the northern and eastern parts of Great Britain. NE. or E. elsewhere, strong to gale over the Bay of Biscay and at the mouth of the Channel. A strong NE. gale was experienced at Copenhagen yesterday.
WEATHER	Fair generally, but cloudy at some of the French and German stations, with snow at Munich and Rochefort. Snow fell yesterday in many parts of Western Europe.
SEA	Rough or rather so on our south and east coasts, but moderate to smooth elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed over the south of Denmark yesterday has travelled away to the eastward, while the other disturbance reported over the south-east of England after moving south-eastwards to Central France has apparently dispersed.

A slight fall of the barometer which has set in on our northern coasts seems to indicate the advance of a shallow depression from the northward, so that snow showers are still probable on our north and east coasts.

## FORECASTS

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

### DISTRICTS.

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

### FORECASTS.

None Issued

### DISTRICTS.

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

### WARNINGS

### FORECASTS.

None Issued

None Issued.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudeanaes ...	29.96	37	32	NNW	4	bc	Holyhead ...	30.07	37	34	NE	5	bc	4
Samburgh Head ...	30.15	31	28	NNE	2	b	Valencia ...	30.11	41	36	NE	6	bcv	6
Stornoway ...	30.25	38	33	NNE	4	sq	Scilly ...	29.88	42	41	NNE	6	o	4
Aberdeen ...	30.40	34	32	NW	4	bcp	Dungeness ...	29.82	37	36	E	6	o	5
Shields ...	30.08	39	37	NE	3	cap	London ...	29.90	39	34	NE	5	c	*
Ardrossan ...	30.18	37	34	N	2	b	Yarmouth ...	29.92	39	34	NE	6	bcgshp	5
Malin Head ...	30.27	37	37	NE	3	b	Jersey ...	29.84	40	40	NE	4	r	3
Mullaghmore ...	30.24	39	34	ENE	5	bc	Rocheport ...	29.95	32	46	NW	4	o	2
Belmullet ...	30.24	39	36	NNE	4	c								

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

The reports for yesterday morning showed that pressure varied from 30.1 ins: and upwards over the NW part of the British Isles and also over the south of Russia to about 29.6 ins: over the Gulf of Finland and North Germany, and to 29.8 ins: over the south of France. A small shallow depression was observed over the south-east of England also. Thus, while over Northwestern Europe winds were experienced from between NW and NE, and blew strongly in Ireland and Denmark, those over south-eastern and eastern Europe were S<sup>1</sup>, but were light in force. The weather had become less settled than of late, showers of snow, hail or cold rain being reported from many of the northern and western stations, and large quantities of rain from some parts of Algeria. Temperatures, which had fallen generally, except in the south, varied between 50° and 60° over the Mediterranean generally and Portugal, to somewhat below the freezing point over Central Europe Central France, the North Sea, and the greater part of the British Isles, and to many degrees below the freezing point over Northern Russia. The highest individual readings were 59° at Brindisi, 58° at Palma, 56° at Bilbao and Barcelona, and 54° at Genoa and Livorno; the lowest were -17° F at Archangel, -5° at Uleaborg, +2° at Kuopio, 7° at Helsinki and Haparanda, 10° at Moscow, 14° at Stockholm, 21° at Charkow, 27° at Ardrossan and 28° at Paris.

During the day the disturbance over the south-east of England moved south-eastwards to Central France, and snow showers fell in many parts of France. The night was clear over Northwestern Europe and very cold.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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			Dir.	Force. (0 to 12.)	Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)	Weather.		Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	29.77	5	2	0	s	29.80	+ .01	-4	-4	-7	N	2	b	*	38	7	—	
Hernösand ...	29.89	12	2	0	b	29.87	- .08	7	7	-7	2	0	b	*	32	21	—	
Stockholm ...	29.91	17	2	0	b	29.92	+ .06	15	14	0	W	2	b	*	23	12	—	
Wisby ...	29.90	25	NE	4	bc	29.89	+ .14	24	21	+ 3	NW	4	b	*	27	16	—	
Bodo ...	29.84	18	ENE	2	b	29.69	- .18	22	18	+ 7	SE	2	0	1	2	14	—	
Christiansund...	29.86	22	ENE	1	b	29.76	+ .02	26	24	- 2	ESE	2	bc	3	30	19	?	
Skudesnaes ...	29.84	31	NW	2	bc	29.78	- .10	31	30	+ 2	ESE	1	c	2	37	28	—	
Christiania Fjord (Fæder)	29.85	31	SSE	4	c	29.79	- .01	29	28	+ 2	SE	2	bc	1	32	27	—	
Skagen (The Scaw)	29.88	31	S	3	bc	29.80	+ .01	32	31	+ 1	SW	4	bc	2	34	28	0.04	
Fanö ...	29.84	25	2	0	b	29.83	- .08	28	28	- 10	SE	2	f	*	37	19	0.08	
BRITISH ISLANDS.																		
Sumburgh Head	29.95	30	N	2	bc	29.83	- .22	30	28	+ 2	NNE	2	b	2	34	26	—	
Stornoway ...	30.13	34	NNW	3	c	29.95	- .33	33	32	+ 2	NNE	4	s	4	37	30	0.34	
Wick ...	30.00	32	N	4	c	29.89	- .25	33	32	+ 1	NW	2	bc	1	36	26	0.05	
Nairn ...	30.08	34	NW	3	c	29.92	- .21	34	33	+ 6	NNW	1	c	2	36	26	—	
Aberdeen...	30.04	34	NW	4	s	29.87	- .28	30	28	0	NW	3	b	2	35	24	0.15	
Leith ...	30.12	34	WNW	1	b	29.90	- .32	35	33	+ 6	W	1	cm	*	41	27	—	
Shields ...	30.08	34	NW	3	cfs	29.88	- .28	28	28	+ 3	W	1	c	3	37	22	—	
Spurn Head ...	30.05	32	NNW	5	b	29.89	- .22	31	30	- 1	WNW	5	b	5	36	27	0.04	
York ...	30.11	32	NNW	2	b	29.92	- .27	29	29	+ 3	W	1	bc	*	38	23	—	
Loughborough	30.11	33	NNW	2	bc	29.96	- .23	28	26	+ 3	WNW	2	c	*	41	24	—	
GERMANY.																		
Ardrossan ...	30.16	36	NNW	1	b	29.88	- .36	24	33	+ 6	E	1	ofs	1	39	26	—	
Malin Head ...	? 30.21	37	N	3	c	29.84	- .47	38	38	+ 3	N	2	o	4	38	32	0.18	
Mullaghmore ...	30.25	38	N	4	bc	29.93	- .37	39	38	+ 5	NW	5	chrp	4	42	33	0.13	
Belmullet ...	30.30	38	N	1	c	29.97	- .26	42	40	+ 8	NNW	3	c	*	42	32	0.15	
Donaghadee ...	30.19	38	NNE	4	c	29.90	- .25	33	33	- 2	W	3	s	1	40	32	0.01	
FRANCE & NETHERLANDS.																		
Barrow-in-Furness	30.14	34	N	3	b	29.92	- .29	31	30	0	NE	2	bc	*	39	30	—	
Liverpool (Bidston)	30.14	34	NW	2	b	29.94	- .28	33	32	+ 2	WNW	1	s	2	37	30	0.04	
Holyhead ...	30.17	36	NNW	4	b	29.96	- .27	37	36	+ 2	WNW	4	o	3	40	33	0.01	
Parsonstown ...	30.24	38	NNW	1	c	30.03	- .26	33	32	+ 10	SW	1	og	*	40	22	—	
Valencia ...	30.27	40	NNE	3	bc	30.11	- .19	41	39	+ 7	WNW	1	bc	2	43	29	—	
Roche's Point...	30.20	39	NNE	4	b	30.05	- .19	35	32	+ 4	NNW	4	b	4	45	31	—	
Pembroke ...	30.17	34	NE	2	bc	30.02	- .21	37	35	+ 5	NW	2	bc	2	40	30	0.03	
Scilly ...	30.13	39	ENE	6	bc	30.05	- .05	35	35	- 1	ENE	2	cphs	4	40	33	0.02	
Prawle Point ...	30.11	35	NE	4	b	30.03	- .11	32	29	- 2	N	2	b	2	42	28	—	
Jersey ...	30.04	35	ENE	4	bc	29.98	- .09	34	33	+ 2	NNE	2	ogsp	2	38	32	—	
PORTUGAL.																		
Hurst Castle ...	30.08	37	NNE	1	b	30.00	- .17	28	27	- 2	N	2	bc	1	40	24	—	
Dungeness ...	30.03	32	NNE	2	bc	29.94	- .19	27	25	- 3	N	2	b	1	40	23	—	
London ...	30.07	36	N	2	b	29.97	- .18	27	25	- 1	NW	1	bf	*	40	23	—	
Oxford ...	30.00	30	N	2	bc	29.99	- .21	25	24	- 1	W	1	b	*	40	24	—	
Cambridge ...	30.07	30	NW	1	b	29.96	- .20	28	26	0	NW	1	b	*	42	24	—	
Yarmouth ...	30.03	36	NW	3	c	29.91	- .18	26	25	- 5	WNW	2	bc	4	38	23	0.23	
Cuxhaven ...	29.97	32	WNW	3	b	29.90	- .08	29	28	- 1	SW	3	f	*	?	27	—	
Berlin ...	29.97	30	WNW	3	b	29.98	+ .09	26	24	0	W	1	b	*	34	25	—	
Wiesbaden ...	*	*	*	*	*	29.92	- .16	27	25	+ 1	NE	3	b	*	?	22	—	
Munich ...	29.94	19	E	3	s	29.73	- .20	20	20	- 1	NE	5	s	*	25	19	0.35	
SPAIN & NETHERLANDS.																		
The Helder ...	29.99	34	WNW	1	b	29.88	- .14	25	23	- 6	S	1	b	1	37	25	0.12	
Brussels ...	*	*	*	*	*	29.94	- .17	26	26	+ 2	S	1	b	*	37	21	—	
Cape Gris Nez...	30.02	34	NE	5	c	29.93	- .16	32	32	+ 2	NNE	7	bc	5	41	?	—	
Paris ...	30.01	33	NE	3	o	29.94	- .12	22	22	- 5	N	1	b	*	39	19	—	
Brest ...	30.05	36	E	7	o	30.02	+ .02	32	30	- 1	NE	4	a	3	54	30	—	
Lorient ...	29.94	37	NNE	8	o	29.99	+ .05	32	30	0	NNE	5	b	2	45	25	—	
Rochefort ...	29.78	29	ENE	9	s	29.89	+ .04	29	28	- 5	NE	8	c	4	46	23	—	
Belfort ...	29.83	28	E	4	s	29.76	- .04	23	22	- 8	NE	3	s	*	25	20	0.08	
Lyons ...	29.86	28	N	4	s	29.81	- .04	23	22	- 8	N	3	c	*	?	22	0.32	
Nice ...	29.56	51	W	3	o	29.50	- .17	53	47	- 1	E	1	o	2	57	48	—	
Perpignan ...	29.60	54	E	3	b	29.58	- .15	49	48	+ 2	NE	3	o	*	68	?	—	
Biarritz ...	29.62	55	W	4	o	29.69	- .02	36	35	- 15	ENE	4	f	2	59	34	0.04	
PORTUGAL.																		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lisbon ...	29.67	36	W	4	b	29.57	- .22	50	50	- 4	ENE	3	f	2	61	50	—	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on *Monday, 14<sup>th</sup> March.*

1887.

## BAROMETER, WIND & SEA.

(Explanation of Map.)

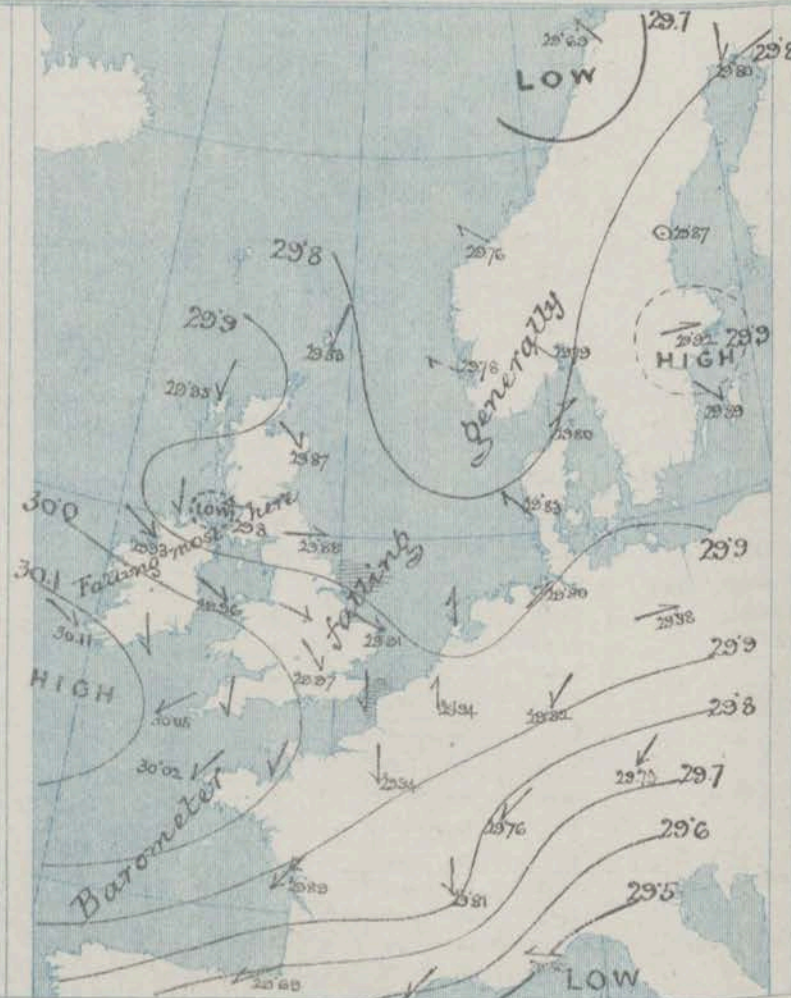
**Barometer**—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind**—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus—  
 — = forces above 10; — = forces 8 to 10;  
 — = forces 5 to 7; — = forces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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.875
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.938
Roche's Point	29.936
Pembroke	29.942
Scilly	29.968
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



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

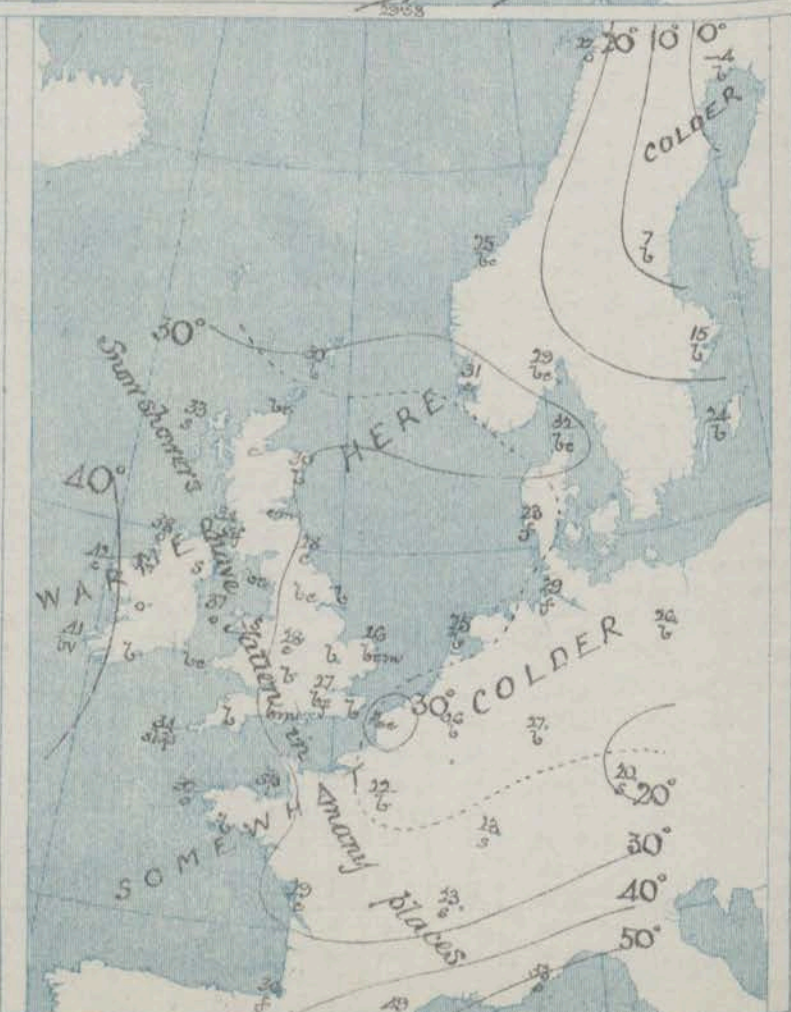
**Temperature**—Isotherms are drawn for each 10° Changes since previous morning are stated in words.  
**Weather**—is shown by Letters of the Beaufort Scale.  
**Rainfall**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS.	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.	At 8 a.m.	
			Dry.	Wet.	
Sumburgh Head	42.9	34.5	38.7	37.6	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.07
Nairn	45.0	34.4	38.8	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.8	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.69
Valencia	51.8	40.8	45.6	43.6	4.24
Roche's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	43.4	46.7	45.0	2.88
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	38.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	28.9	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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	<p>Highest, 30.1 mm. and upwards, in an anticyclone lying off the south of Ireland.</p> <p>Lowest, 29.5 mm. or less, over the Gulf of Genoa, but violently low 29.7 mm. or less, in a depression lying off the northwest of Norway and 29.8 mm. or less in a small disturbance lying over the North Channel.</p>
TEMPERATURE	<p>Highest 53° at Nice, 50° at Lisbon, 49° at Perpignan, 42° at Rismullett &amp; 41° at Valencia.</p> <p>Lowest - 4° at Haparanda, +7° at Helsingfors, 15° at Stockholm, 20° at Malmö and 22° at Rode and Paris; lowest in our islands 25° at Oxford.</p>
WIND	<p>Light E<sup>ly</sup> or SE<sup>ly</sup> in Norway and NE<sup>ly</sup> in the north of Scotland.</p> <p>Moderate NW<sup>ly</sup> or W<sup>ly</sup> in most other parts of our islands.</p> <p>Moderate to strong from NE over Germany and France.</p>
WEATHER	<p>Snow falling at many of our northwestern stations &amp; also over both Germany &amp; the east of France.</p> <p>Fair in most other localities, with fog in Denmark and also in London.</p> <p>Snow showers fell yesterday at many of our eastern stations.</p>
SEA	<p>Rather rough at Spurn Head and Cape Gris Nez, but moderate to smooth elsewhere.</p>

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The area of high pressure noticed off our west coast yesterday morning, has moved southwards and in the course of the night a small, but well defined, depression has been formed over the North Channel. Under the influence of this disturbance the barometer is now falling in all parts of the United Kingdom - briskly in the west - while in the south of France a separate fall is being occasioned by a depression over the Gulf of Genoa.

The small depression in the northwest of our island seems likely to move southward or south-eastward, and snow is therefore probable over nearly the whole Kingdom.

## FORECASTS

for the 24 hours ending at NOON on 15<sup>th</sup> March 1887.

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NE <sup>ly</sup> or E <sup>ly</sup> winds, freshening; fair generally, but some snow showers.	6	SCOTLAND WEST	NE <sup>ly</sup> winds, light; some snow at first, then fair.
1	SCOTLAND EAST	Variable breezes finally NE <sup>ly</sup> ; unsettled, some snow.	7	ENGLAND N. W.	W <sup>ly</sup> to N <sup>ly</sup> winds, freshening; squally, some snow.
2	ENGLAND N. E.	.....D.....D.....D.....	8	ENGLAND S. W.	NW <sup>ly</sup> to N <sup>ly</sup> winds, increasing in force, unsettled, some snow.
3	ENGLAND EAST	Same as N° 5.	9	IRELAND NORTH	.....D.....D.....D.....
4	MIDLAND COUNTIES	Same as N° 5.	10	IRELAND SOUTH	.....D.....D.....D.....
5	ENGLAND SOUTH	NW <sup>ly</sup> to W <sup>ly</sup> or SW <sup>ly</sup> winds, moderate; fair to unsettled and some snow.	WARNINGS		None Issued.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.86	57	21	NNW 4	C	1	Holyhead ...						
Sumburgh Head							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rochefort ...	29.86	34	32	ENE 8	0	4
Belmullet ...													

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

*The reports from the Continent have not yet arrived.*

## SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 6<sup>TH</sup> TO THE 12<sup>TH</sup> MARCH 1887.

In the course of the past week a gradual but decided change has taken place in the weather over our islands.

At the commencement of the period a large and well-defined anticyclonic system lay over the greater part of Western Europe and fair weather therefore prevailed generally, with E<sup>ly</sup> breezes in the south, but light W<sup>ly</sup> airs in the north. The sky was, however, somewhat cloudy, especially in the southern districts and fog or mist was reported locally.

On the 8<sup>th</sup> the anticyclone moved away to the eastern shores of the North Sea, where it was eventually broken up by the passage of some large depression over the Scandinavian peninsula, and on the following day an area of relatively high-pressure was found off our south-western coasts. The winds in our islands therefore shifted to the NW or N, and rain or sleet fell at some of our eastern stations.

During the latter part of the 9<sup>th</sup> the new high-pressure system in the south-west gave way, and a small depression appeared off the north of Ireland occasioning E<sup>ly</sup> winds and snow at many of our northern stations. This was followed on the night of the 11<sup>th</sup> by the formation of another small depression over the extreme north of England, and in the course of the ensuing twenty-four hours the two disturbances travelled eastwards or south-eastwards. Snow therefore extended to all parts of the Kingdom, and in the northern districts the fall was very heavy.

At the close of the week the small depressions were passing away over the Continent and N<sup>ly</sup> and NE<sup>ly</sup> winds with improving weather were reported generally.

Temperature has been low throughout the week and especially towards its close. On the night of the 12<sup>th</sup> sharp frost occurred over the whole Kingdom, the lowest readings being 19° at Parsonstown, 21° at Oxford and Cambridge and 22° at Shields, Loughborough and Ardrossan. In London the thermometer on the grass fell to 17°.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

**WEATHER.**—Barnfort 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 15<sup>th</sup> March

1887.

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

Issued by the Meteorological Office, 16, Victoria Street, London, W. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)		Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.	Inch.	°				Inch.	Inch.	°	°	°						°	°	Inch.	
Haparanda ...	29.84	0	Z	0	b	29.92	+ .12	-5	-5	-1	Z	0	b	*	12	-9	-		
Hernösand ...	29.87	14	Z	0	b	29.95	+ .08	11	11	+ 4	Z	0	b	*	24	1	-		
Stockholm ...	29.72	12	Z	0	b	29.97	+ .05	22	20	+ 7	Z	0	m	*	28	12	-		
Wisby ...	29.91	23	W	4	b	29.96	+ .07	23	22	- 1	SE	4	b	*	28	19	-		
Bodö ...	29.69	21	ENE	2	0	29.85	+ .16	20	17	- 2	ENE	2	b	1	27	16	-		
Christiansund...	29.72	26	ESE	3	b	29.85	+ .09	23	22	- 3	S	1	b	3	30	19	-		
Skudesnaes ...	29.72	32	Z	0	b	29.82	+ .04	31	26	0	E	4	c	2	37	30	-		
Christiania Fjord (Færdar)	29.76	26	Z	0	b	29.84	+ .05	26	24	- 3	NNE	6	0	1	?	25	-		
Skagen (The Scaw)	29.78	28	WSW	2	b	29.80	.00	30	29	- 2	SW	2	0	1	34	27	0.04		
Fanö ...	29.80	26	Z	0	c	29.79	- .04	30	29	+ 2	SW	4	c	*	34	23	-		
BRITISH ISLANDS.																			
Sumburgh Head	29.79	31	N	3	b	29.83	.00	32	31	+ 2	NNE	2	s	3	34	24	0.03		
Stornoway ...	29.99	33	NE	4	0	30.00	+ .05	29	29	- 4	N	6	c	5	38	26	0.11		
Wick ...	29.86	32	N	5	0	29.88	- .01	34	33	+ 1	N	3	0	2	38	26	0.08		
Nairn ...	29.92	33	NNW	4	c	29.93	+ .01	29	28	- 5	N	4	b	5	37	26	-		
Aberdeen...	29.85	32	N	3	sp	29.82	- .05	31	30	+ 1	N	4	sp	3	36	26	0.14		
Leith ...	29.89	36	W	1	b	29.89	- .01	31	30	- 4	NN	1	b	*	43	27	-		
Shields ...	29.84	34	NW	2	csp	29.81	- .07	26	26	- 2	W	2	c	3	39	24	0.06		
Spurn Head ...	29.82	35	NNW	4	b	29.76	- .13	32	32	+ 1	NNW	5	b	5	38	29	-		
York ...	29.84	35	N	1	b	29.81	- .11	29	28	0	NW	2	b	*	40	25	-		
Loughborough	29.84	36	WNW	1	0	29.83	- .13	30	29	+ 2	W	1	ogm	*	41	28	-		
GERMANY.																			
Ardrossan ...	29.90	35	N	1	b	29.92	+ .04	33	31	- 1	N	2	b	1	40	28	-		
Malin Head ...	29.96	38	NNE	4	c	29.99	+ .15	35	35	- 3	NNE	5	b	5	41	32	0.02		
Mullaghmore ...	29.92	39	NE	6	b	29.99	+ .06	35	32	- 4	ENE	5	b	4	44	33	0.08		
Belmullet ...	29.96	41	NNE	7	c	30.03	+ .06	35	34	- 7	N	3	b	*	45	33	0.12		
Donaghadee ...	29.88	38	NE	4	0	29.91	+ .01	35	34	+ 2	ENE	6	b	4	39	33	0.07		
FRANCE & NETHERLANDS.																			
Barrow-in-Furness	29.84	37	NE	3	0	29.85	- .07	32	30	+ 1	NNW	2	b	*	39	28	-		
Liverpool (Bidston)	29.83	36	NNW	1	0	29.85	- .09	31	30	- 2	NNE	3	b	3	40	29	-		
Holyhead ...	29.80	35	E	3	csp	29.86	- .10	33	32	- 4	ENE	2	csp	3	41	32	0.17		
Parsonstown ...	29.81	40	NW	1	b	29.95	- .08	32	31	- 1	N	1	b	*	45	26	0.08		
Valencia ...	29.87	43	N	4	csp	29.98	- .13	36	34	- 5	NE	4	b	4	48	34	0.15		
Roche's Point...	29.80	43	NW	3	b	29.89	- .16	33	31	- 2	NNE	4	b	4	44	31	-		
Pembroke ...	29.79	38	SSW	4	r	29.78	- .24	33	32	- 4	NE	4	b	3	42	32	0.31		
Scilly ...	29.89	41	W	4	c	29.72	- .33	42	40	+ 7	NNE	6	c	5	44	32	0.12		
Prawle Point ...	29.89	38	W	3	c	29.74	- .29	36	35	+ 4	SW	4	s	4	43	30	0.01		
Jersey ...	29.91	35	N	1	b	29.80	- .18	35	32	+ 1	SSW	3	b	3	38	31	-		
NETHERLANDS.																			
Hurst Castle ...	29.88	38	WSW	3	b	29.78	- .22	36	35	+ 8	ENE	1	c	1	41	26	0.11		
Dungeness ...	29.85	37	W	4	c	29.79	- .15	33	32	+ 6	WNW	3	c	2	41	25	-		
London ...	29.85	32	W	2	b	29.80	- .17	33	32	+ 6	Z	0	s	*	42	27	0.11		
Oxford ...	29.86	34	W	1	s	29.81	- .18	30	30	+ 5	E	1	s	*	40	25	0.24		
Cambridge ...	29.85	32	N	1	s	29.82	- .14	29	29	+ 1	N	1	0	*	42	25	0.06		
FRANCE.																			
Yarmouth ...	29.84	36	NNW	1	b	29.80	- .11	27	26	+ 1	WSW	2	f	3	37	23	-		
Cuxhaven ...	29.85	30	WSW	1	b	29.88	- .02	26	25	- 3	S	2	b	*	?	24	-		
Berlin ...	?	?	?	?	?	29.97	- .01	25	24	- 1	ESE	1	b	*	36	23	-		
Wiesbaden ...	*	*	*	*	*	29.85	- .07	28	25	+ 1	E	2	b	*	36	23	-		
Munich ...	29.74	21	NW	0	s	29.73	.00	21	20	+ 1	NW	3	0	*	25	19	0.47		
NETHERLANDS.																			
The Helder ...	29.84	31	SSE	1	b	29.80	- .08	29	28	+ 4	S	3	s	3	37	25	-		
Brussels ...	*	*	*	*	*	29.85	- .09	27	27	+ 1	S	3	f	*	35	23	-		
Cape Gris Nez...	29.87	36	SW	3	b	29.81	- .12	30	?	- 2	S	4	s	2	41	30	-		
Paris ...	29.88	34	N	3	b	29.86	- .08	28	20	- 2	NNE	1	b	*	40	18	-		
Brest ...	29.95	37	NE	4	b	29.81	- .21	35	30	+ 3	S	4	b	4	41	30	-		
FRANCE.																			
Lorient ...	29.91	37	NE	4	b	29.84	- .15	31	29	- 1	E	1	b	2	41	28	-		
Rockefort ...	29.88	40	NE	7	b	29.84	- .05	29	25	0	E	5	b	2	45	28	-		
Belfort ...	29.78	25	E	3	b	29.73	- .03	20	20	- 3	E	3	0	*	27	12	-		
Lyons ...	29.81	28	N	4	c	29.78	- .03	19	18	- 4	N	3	b	*	28	19	-		
Nice ...	29.43	51	SE	3	r	29.41	- .09	47	47	- 6	E	3	b	2	59	45	0.12		
FRANCE.																			
Perpignan ...	29.60	40	NW	4	r	29.60	+ .02	36	32	- 13	NW	3	c	*	51	36	0.39		
Biarritz ...	29.77	40	SE	4	c	29.71	+ .02	28	26	- 8	E	4	cs	1	43	28	-		
PENINSULA.																			
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Lisbon ...	29.43	55	SSW	4	0	29.27	- .30	48	48	- 2	N	4	0	4	61	48	0.20		

For Explanation of Columns, see p. 3.



# WEATHER CHARTS

for 8 a.m. on Tuesday, 15<sup>th</sup> March, 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.

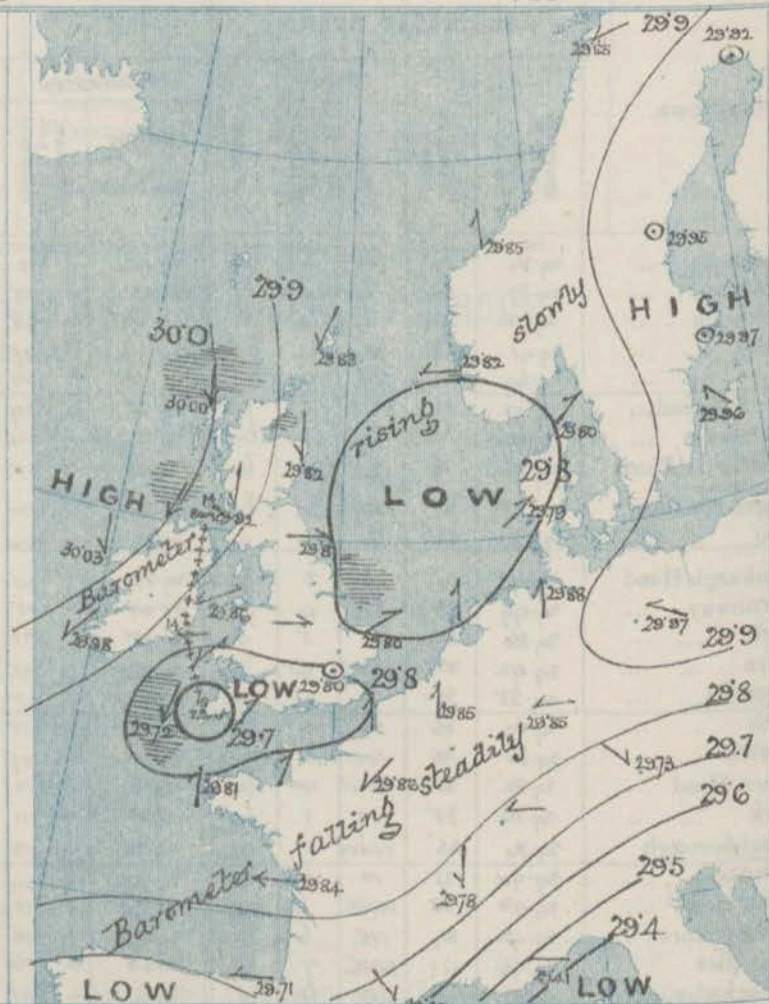
**Sea Disturbance** — where considerable is shown thus

— Rough, — High

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roche's Point	29.936
Pembroke	29.942
Scilly	29.968
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



## 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.

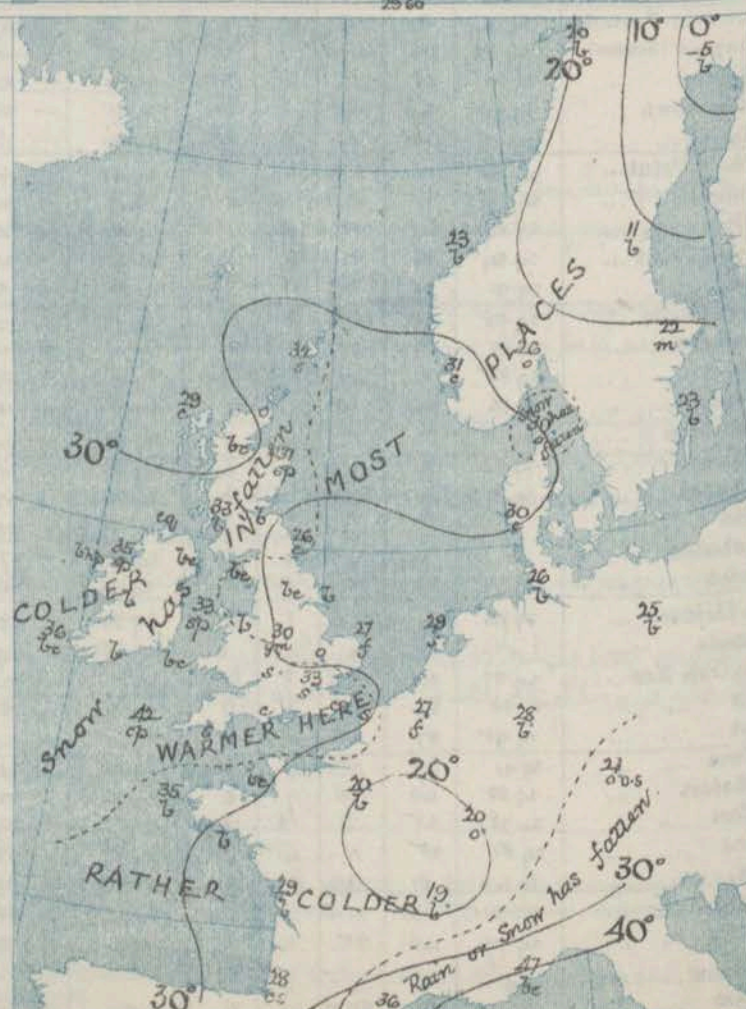
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.86
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.69
Valencia	51.8	40.8	45.6	43.6	4.24
Roche's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.8	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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, Edinbrough 30.03 ins, Hornsea 30.00 ins; also Baltic stations 29.92 ins to 29.97 ins, and Berlin 29.97 ins.  
 Lowest, Lams 29.79 ins, Seilly 29.72 ins, Nice 29.44 ins, Siston 29.27 ins.  
 Gradients slight except in far south. Barometer is rising in west and north, falling in south.

### TEMPERATURE

Highest, Siston 48°, Nice 47°, Seilly 42°.  
 Lowest, Hararanda -5°, Lyons +10°, Paris 20°, Berlin 25°, Rianika 28°. Cambridge, York and Vienna 29°.  
 It is very low generally for the time of year.

### WIND

Chiefly NE<sup>ly</sup> & E<sup>ly</sup> over the British Islands and France, S<sup>ly</sup> on the eastern side of the North Sea.  
 Calms and variable airs prevail over the Midland and south-eastern counties of England.

### WEATHER

Fine and bright at the Continental stations and in Ireland; cloudy with snow showers in many parts of England and Scotland.  
 Heavy snow falling at Clifton and in London, and a high, but dense black canopy of fog prevails over the Metropolis.

### SEA

Rather rough at many of the western and northern stations, smooth or nearly so in the east and south.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Pressure is now giving way rather decidedly over Southern Europe while it is inclined to increase in the west and north.  
 The two shallow depressions now prevalent over the North Sea and our south-western Counties show no sign of filling up at present, but should the fall over Southern Europe continue, and spread northwards, they will probably give way, and NE<sup>ly</sup> winds become general with cold, but drier weather and some snow showers.

## FORECASTS

for the 24 hours ending at NOON on 16<sup>th</sup> March 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> breezes, light; some snow, then fair and cold.

----- D° ----- D°

NW<sup>ly</sup> breezes, light to moderate; snow showers at times.

----- D° ----- D°

Same as N° 5.

Calms and light NW<sup>ly</sup> breezes; gloomy with snow, then finer and colder.

### DISTRICTS.

### FORECASTS.

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

N<sup>ly</sup> to NE<sup>ly</sup> breezes, moderate, cold, some snow or sleet at times

----- D° ----- D°

----- D° ----- D°

NE<sup>ly</sup> to N<sup>ly</sup> winds, moderate or light; fair, cold.

----- D° ----- D°

### WARNINGS

None issued.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.75	37	32	Z	0	0	2	Holyhead ...	29.24	36	36	WSW	2	rm	3
Sumburgh Head ...	29.80	34	32	N	3	bc	3	Valencia ...	29.94	46	44	NNW	3	b	4
Stornoway ...	29.98	37	36	NE	3	b	2	Scilly ...	29.98	43	39	NNW	3	bc	3
Aberdeen ...	29.85	35	33	NNW	3	bc	2	Dungeness ...	29.90	40	36	N	2	b	1
Shields ...	29.85	37	34	N	1	c	2	London ...	29.88	41	34	NNW	3	bc	*
Ardrossan ...	29.88	38	36	SE	2	o	1	Yarmouth ...	29.86	36	34	NW	3	bc	4
Malin Head ...	29.85	39	39	NNE	4	c	5	Jersey ...	29.94	38	32	NNE	2	b	2
Mullaghmore ...	29.84	40	38	NNE	6	cpq, v	5	Rocheport ...	29.90	41	35	NE	7	b	3
Belmullet ...	29.92	43	40	N	8	c	.								

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

The Continental reports for yesterday morning showed that pressure was highest, 30.1 in. & upwards, off the southwest of Ireland, whence a band of relatively high readings, 29.9 in. & upwards, extended eastwards over the northern parts of France and Germany to Austria. The lowest readings (29.1 in. and less) were found over Central Russia, but a large shallow depression lay over the western part of the Mediterranean, while a small but well defined disturbance lay off the north of Ireland. Moderate N<sup>th</sup> or NW<sup>th</sup> breeze prevailed over Eastern Europe, and also over the greater part of our islands, but in France the wind was strong from the NE<sup>th</sup>, while in Italy it was moderate from the S<sup>th</sup>. The weather was fine in the east and south of Great Britain and also over the greater part of Northern Europe, but in the northwest of our islands and over Central Europe snow was falling, while in the south of France and north of Italy rain was reported locally. Temperature had risen a little in Algeria & also over the greater part of our islands, but fallen elsewhere; readings ranged from between 50° & 60° over Spain, Algeria & the Mediterranean to 25° or less over Central Europe & to several degrees below zero over Northern Russia. The highest individual readings were 62° at Alicante, 61° at Nemours & La Celle, 60° at Cagliari & Palermo & 58° at Algiers, Spa, Brindisi & Nizza; the lowest were -17° at Archangel, -4° at Haparanda, -3° at Klenburg, +2° at Krasnoe and +7° at Helsingfors & Helsingfors.

In the course of the day the small depression off the north of Ireland moved slowly southwards & snow extended to many of our western & northwestern districts. In the meantime a new but shallow area of low pressure was gradually formed over the North Sea so that the general condition became very unsettled.

### GENERAL REMARKS FOR THE 24 HOURS ENDED 8 AM MARCH 14<sup>th</sup> 1887.

The continental reports for Sunday morning showed that pressure was highest, 30.3 in. & upwards, off the west of Ireland, but relatively high, 30.1 in. & upwards, over the eastern parts of the Mediterranean. The lowest pressure, 29.5 in. & less, were found in a large area lying over Russia & Poland, but relatively low pressure, 29.7 in. & less, were reported in two small depressions lying respectively over the Riviera & the northeast of Spain. NW<sup>th</sup> or N<sup>th</sup> breeze prevailed over Northern Europe & at the Baltic stations they blew with the force of a gale, but over France & the south of our islands the wind was NE<sup>th</sup>, while at some of the Mediterranean stations it was SW<sup>th</sup>. Rain was falling in many parts of France & snow over Northern & Central Europe, but in our islands & over the shores of the Mediterranean the weather was generally fine. Temperature has fallen a few degrees at most of the northern stations but risen a little in the extreme south; readings ranged from between 56° & 61° over Spain, Algeria & the south of Italy to a little below zero over Northern Russia. The highest individual readings were 64° at Alicante, 62° at Palma, 59° at Bilbao & Brindisi & 58° at Nizza - the lowest were -1° at Archangel & St. Petersburg, +1° at Klenburg, +3° at Haparanda & +4° at Helsingfors.

In the course of the day the barometer fell over nearly the whole of Western Europe; and while the depression over the northeast of Spain moved slowly northward some further shallow disturbances moved S<sup>th</sup>ward on N<sup>th</sup> coasts. The latter system produced snow at some of our northern & eastern stations.

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

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

\* 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 16<sup>th</sup> March 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 30° 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 30° 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 ...	30.02	2	Z	0	b	30.10	+ .18	11	11	6	Z	0	b	*	16	?	—		
Hernösand ...	30.00	27	S	2	0	30.14	+ .19	14	14	3	Z	0	0	*	36	7	—		
Stockholm ...	30.02	27	SE	2	0	30.13	+ .16	25	24	3	WSW	2	0	*	34	16	0.04		
Wisby ...	30.02	26	SW	6	c	30.13	+ .17	26	25	3	S	4	b	*	24	19	0.04		
Bodö ...	29.94	17	ENE	2	b	29.92	— .03	19	15	1	E	4	b	2	21	?	—		
Christiansund...	29.94	28	SE	1	b	29.96	+ .11	28	26	5	SE	2	b	3	32	?	—		
Skudesnaes ...	29.97	31	E	4	b	30.10	+ .28	31	27	0	E	4	c	2	41	30	—		
Christiania Fjord (Færder)	29.92	30	NE	6	c	30.07	+ .23	26	25	0	?	6	b	2	30	?	0.12		
Skagen (The Scaw)	29.95	28	Z	0	b	30.07	+ .27	27	26	3	W	1	c	1	34	27	0.08		
Fanö ...	29.99	28	SE	3	b	30.08	+ .29	26	25	14	S	3	b	*	36	25	—		
BRITISH ISLANDS.																			
Sumburgh Head	29.94	32	NNE	1	b	29.97	+ .14	35	33	3	W	1	b	1	39	29	—		
Stornoway ...	30.02	32	N	4	b	30.03	+ .03	34	34	5	SSW	4	0	3	38	25	—		
Wick ...	29.92	35	N	2	b	30.04	+ .16	32	31	2	W	2	b	1	40	23	0.03		
Nairn ...	29.94	35	NW	3	c	30.05	+ .12	27	26	2	SW	1	b	1	38	25	—		
Aberdeen...	29.89	35	N	4	b	30.06	+ .22	23	22	8	WNW	1	b	2	40	19	0.07		
Leith ...	29.90	36	NW	1	b	30.07	+ .18	33	32	2	NN	1	om	*	42	29	0.10		
Shields ...	29.87	36	NNE	2	csp	30.07	+ .21	37	35	11	NNE	1	csp	2	40	25	0.06		
Spurn Head ...	29.78	34	N	3	b	29.96	+ .20	37	35	5	SE	2	b	3	38	30	0.08		
York ...	29.76	35	N	1	c	30.01	+ .20	31	31	2	NNE	1	b	*	39	25	—		
Loughborough	29.82	34	NNE	2	c	29.96	+ .13	31	30	1	NNE	3	om	*	40	28	0.02		
GERMANY.																			
Ardrossan ...	29.91	36	NNE	3	b	30.07	+ .15	32	30	1	Z	0	b	0	41	28	—		
Malin Head ...	29.95	37	NNE	4	b	30.05	+ .06	37	37	2	ENE	2	b	2	38	35	—		
Mullaghmore ...	29.98	37	NE	5	b	30.07	+ .08	33	31	2	SE	1	b	2	40	31	—		
Belmullet ...	30.03	39	NNE	5	0	30.10	+ .07	35	35	0	ENE	2	b	*	41	32	0.09		
Donaghadee ...	29.92	39	NE	6	b	30.04	+ .13	38	36	3	E	4	b	2	40	33	—		
FRANCE & NETHERLANDS.																			
Barrow-in-Farness	29.91	35	NE	2	b	29.99	+ .14	33	31	1	NNE	2	om	*	41	29	—		
Liverpool (Bidston)	29.85	34	N	2	b	29.99	+ .14	33	31	2	NNE	2	b	3	38	29	—		
Holyhead ...	29.87	35	NE	4	q	29.99	+ .13	38	35	5	NE	1	b	2	38	32	0.02		
Parsonstown ...	29.95	38	NNE	1	b	30.09	+ .14	25	25	7	Z	0	b	*	39	21	—		
Valencia ...	29.98	40	NNE	5	csp	30.09	+ .11	35	32	1	NNE	1	b	2	43	30	—		
Roche's Point...	29.92	38	NNE	4	b	30.04	+ .15	33	31	0	N	4	b	4	42	29	—		
Pembroke ...	29.81	36	NNE	4	c	29.97	+ .19	34	31	1	E	2	b	1	38	30	—		
Scilly ...	29.45	29	NNE	7	csp	29.90	+ .18	39	36	3	NE	6	c	4	42	33	0.01		
Prawle Point ...	29.71	38	SE	3	ogm	29.84	+ .04	35	32	0	NE	2	b	2	42	34	—		
Jersey ...	29.76	33	ESE	1	om	29.90	+ .12	30	30	6	NE	3	om	1	40	29	0.04		
Hurst Castle ...	29.76	37	Z	0	c	29.86	+ .07	35	33	2	ENE	3	b	2	42	31	0.02		
Dungeness ...	29.76	37	Z	0	c	29.86	+ .07	35	33	2	ENE	3	b	2	42	31	0.02		
London ...	29.79	32	E	2	os	29.90	+ .10	3	30	2	NE	2	om	*	34	29	0.10		
Oxford ...	29.83	31	NE	1	m	29.95	+ .14	29	28	1	NE	1	0	*	31	27	0.07		
Cambridge ...	29.80	33	N	1	0	29.95	+ .13	29	28	0	N	1	b	*	39	24	—		
Yarmouth ...	29.78	34	Z	0	om	29.94	+ .14	35	32	8	E	4	b	4	35	26	0.03		
Cuxhaven ...	29.90	29	SSE	2	b	30.05	+ .17	29	28	3	ESE	3	b	*	?	29	—		
Berlin ...	30.07	29	E	3	b	30.07	+ .10	21	20	4	E	4	c	*	34	21	—		
Wiesbaden ...	*	*	*	*	*	29.80	— .05	28	27	0	NE	5	0	*	37	24	—		
Munich ...	29.71	19	E	3	S	29.61	— .12	17	16	4	NE	6	0	*	27	14	0.04		
ITALY.																			
The Helder ...	29.86	29	S	1	b	29.99	+ .19	30	28	1	E	3	b	3	24	28	0.12		
Brussels ...	*	*	*	*	*	29.85	+ .01	27	27	0	NE	4	b	*	38	23	—		
Cape Gris Nez...	29.79	33	ESE	1	S	29.86	+ .05	34	29	4	E	3	b	2	39	30	0.12		
Paris ...	29.77	24	NE	3	b	29.80	— .06	22	22	2	N	3	b	*	42	20	—		
Brest ...	29.75	35	W	5	r	29.80	— .01	34	34	1	E	7	0	4	43	30	0.04		
Lorient ...	29.76	37	S	1	b	29.78	— .06	35	31	4	SE	3	b	2	43	28	—		
Rochefort ...	29.75	39	NE	7	c	29.87	— .03	32	29	3	NE	7	c	2	45	27	—		
Belfort ...	29.70	24	E	3	b	29.88	— .15	26	26	6	E	4	0	*	28	19	—		
Lyons ...	29.69	30	N	3	0	29.64	— .14	23	23	4	NNW	3	m	*	31	?	0.04		
Nice ...	29.44	47	E	4	0	29.81	— .10	47	45	0	Z	0	r	3	55	43	0.04		
Perpignan ...	29.51	42	NN	4	0	29.57	— .11	36	?	0	NN	7	0	*	49	35	—		
Biarritz ...	29.62	38	SW	3	0	29.73	+ .02	34	30	6	ENE	4	0	2	41	?	—		
SPAIN.																			
Corunna ...	*	*	*	*	*	29.88	+ .61	43	38	5	N	5	b	4	54	41	0.12		
Lisbon ...	29.68	47	NNW	7	0	29.88	+ .61	43	38	5	N	5	b	4	54	41	0.12		

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

WEDNESDAY. 16<sup>th</sup> March

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

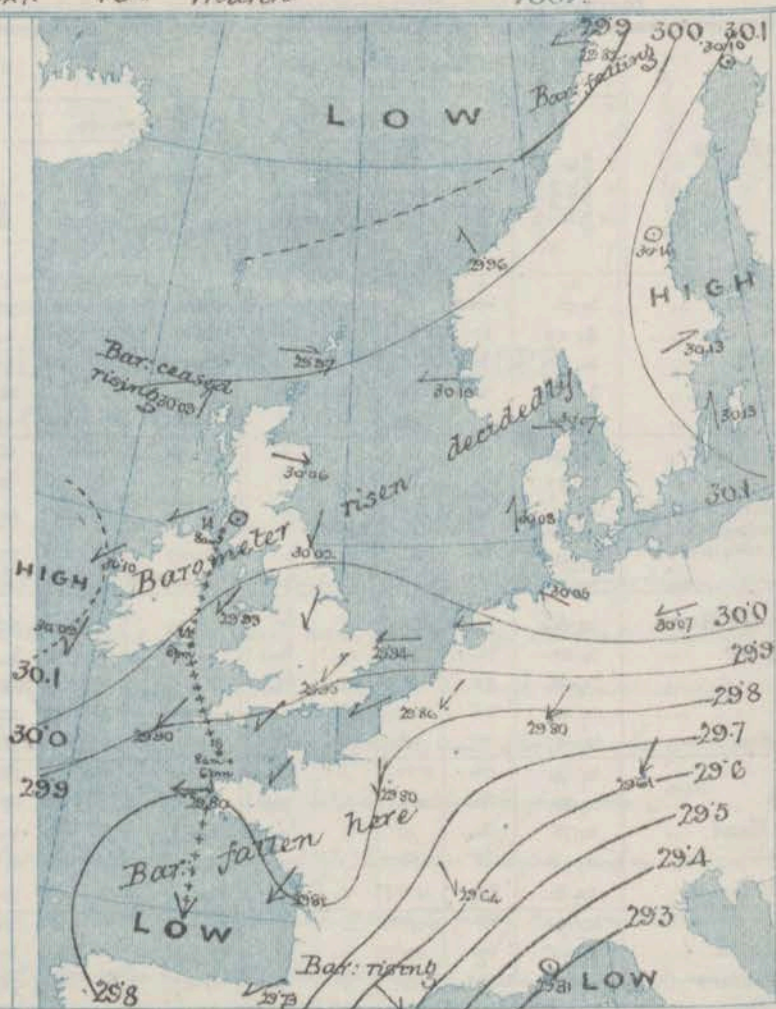
▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS
	ins.
Sumburgh Head	29.778
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roche's Point	29.936
Pembroke	29.942
Scilly	29.968
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



## 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 March.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.	At 8 p.m.	
			Dry	Wet	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.0	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.69
Valencia	51.8	40.8	45.6	43.6	4.24
Roche's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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 off the west of Ireland and also over Sweden. 30.07 ins in east of Scotland.  
Lowest, 29.5 ins in the south-east of France, 29.8 ins at Brest and Paris.  
Gradients, slight and irregular - except over Switzerland and south-east of France.

## TEMPERATURE

Highest, Nice 47°, Lisbon 43°, Sicily 39°.  
Lowest, Reparanda - 11° F. Harmsand + 14°, Munich 17°, Berlin 21°, Paris 22°, Aberdeen 23°, Larne 25°, Oxford 29°, Cambridge 29°, London 31°.  
It has fallen decidedly in many localities since yesterday and is very low generally for the time of year.

## WIND

Light to moderate from the W<sup>est</sup> over Germany, France, England and Ireland.  
Nearly calm in Scotland - light W<sup>est</sup> to SW<sup>est</sup> in Caithness, the Shetlands and Hebrides.  
E<sup>ast</sup> and SE<sup>ast</sup> in the west of Norway.

## WEATHER

Much finer than it was yesterday. Sky clear in most places, but hazy over England.  
Slight snow showers are still reported in some localities.\*  
Aurora was seen in the extreme north and north-west last night.

## SEA

Moderate at Harwich and at the mouth of St. George's Channel, slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay over the Channel yesterday has passed southwards to the Bay of Biscay, while that over the North Sea has apparently dispersed. A "Col" (joining the high-pressure area over the Atlantic, with that over the Baltic) now covers Ireland, Scotland and the North Sea, but is apparently moving southwards. Calm light airs and very cold weather are therefore likely to prevail over England tonight, with local fogs, while in Scotland W<sup>est</sup> and SW<sup>est</sup> breezes are likely to become general, with fine and milder weather.

\* The fall of snow yesterday was very heavy over many parts of our southern, south-western and south-midland counties. At Howell eight and a half inches of snow (yielding 0.95 ins of Rainfall) fell between 4 am and 9 am. At Southampton the fall in the same interval gave only 0.17 ins.

## FORECASTS

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

### DISTRICTS.

### FORECASTS.

0 { SCOTLAND  
NORTH

SW<sup>est</sup> and W<sup>est</sup> winds, freshening, fair to showery.

1 { SCOTLAND  
EAST

Light W<sup>est</sup> breezes, fine, mild during day, very cold at night.

2 { ENGLAND  
N. E.

Same as N<sup>o</sup> 4.

3 { ENGLAND  
EAST

Same as N<sup>o</sup> 5.

4 { MIDLAND  
COUNTIES

NE<sup>ast</sup> airs and calms, fair as a whole, foggy and cold at night.

5 { ENGLAND  
SOUTH

NE<sup>ast</sup> breezes, light to moderate, some cold showers, calm and foggy inland at night.

### DISTRICTS.

### FORECASTS.

6 { SCOTLAND  
WEST

Same as N<sup>o</sup> 0.

7 { ENGLAND  
N. W.

Same as N<sup>o</sup> 4.

8 { ENGLAND  
S. W.

NE<sup>ast</sup> breezes, light or moderate, fair, cold, some fog inland.

9 { IRELAND  
NORTH

D<sup>o</sup> D<sup>o</sup>

10 { IRELAND  
SOUTH

D<sup>o</sup> D<sup>o</sup>

### WARNINGS

None issued.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnæs ...	29.89	41	?	E 4	b	2	Holyhead ...	29.88	36	33	NNE 4	bcp	4
Sumburgh Head ...	29.92	38	32	NNE 1	b	3	Valencia ...	29.97	42	37	NNE 6	bcp	6
Stornoway ...	30.02	38	38	N 4	c	4	Scilly ...	29.75	40	38	NNE 7	cv	5
Aberdeen ...	29.85	39	36	N 4	bcp	3	Dungeness ...	29.77	39	36	W 4	o	2
Shields ...	29.80	37	35	NW 3	bcp	3	London ...	29.78	38	33	SE 1	ogf	*
Ardrossan ...	29.91	39	35	N 3	c	2	Yarmouth ...	29.78	34	33	W 3	cm	3
Malin Head ...	29.94	37	37	NNE 4	c	5	Jersey ...	29.75	40	24	SSW 3	o	3
Mullaghmore ...	29.98	37	33	NNE 6	cvsp	4	Rochefort ...	29.87	44	37	E 7	c	2
Belmullet ...	30.02	39	36	NNE 5	o.	*							

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

The Continental Reports have not arrived.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Thursday 17<sup>th</sup> March 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 ..	30.00	12	SW	2	bc	29.86	- 24	22	21	+ 33	SW	6	c	*	?	-17	...	
Hernösand ...	30.17	26	Z	0	b	30.19	+ 05	25	23	+ 11	SW	2	b	*	36	7	...	
Stockholm ...	30.29	24	SW	2	b	30.36	+ 23	24	22	- 1	Z	0	bc	*	34	23	...	
Wisby ...	30.28	22	SW	4	b	30.28	+ 15	23	19	- 3	ESE	4	b	*	28	16	...	
Bodö ...	29.68	34	WSW	6	o	29.72	- 10	30	28	+ 11	WNW	6	o	3	34	19	...	
Christiansund...	29.98	35	W	4	c	29.98	+ 02	36	32	+ 8	SSW	4	bc	4	36	?	...	
Skudesnaes ...	30.20	30	Z	0	b	30.24	+ 14	33	29	+ 2	SE	4	o	3	39	?	...	
Christiania Fjord (Færdor)	30.21	29	Z	0	b	30.27	+ 20	26	26	0	Z	0	f	1	30	21	...	
Skagen (The Scaw)	30.23	32	SW	2	b	30.29	+ 22	26	25	- 1	frw	1	b	0	36	21	...	
Fanö ...	30.24	24	ESE	2	b	30.22	+ 14	24	23	- 2	NE	4	b	*	36	19	...	
BRITISH ISLANDS.																		
Sumburgh Head	30.00	37	SW	2	c	29.99	+ 02	40	39	+ 5	SW	3	4	3	40	33	0.02	
Stornoway ...	30.04	38	SW	4	b	30.07	+ 04	38	38	+ 4	SW	4	bc	3	39	32	0.07	
Wick ...	30.05	37	SW	2	o	30.07	+ 03	37	35	+ 5	SW	2	o	1	41	30	0.06	
Nairn ...	30.07	36	SW	2	o	30.10	+ 05	36	34	+ 9	SW	2	c	1	39	26	...	
Aberdeen...	30.12	35	Z	0	b	30.14	+ 08	33	31	+ 10	SW	2	c	1	45	21	...	
Leith ...	30.14	36	E	1	b	30.18	+ 11	36	34	+ 3	WNW	1	om	*	42	28	0.03	
Shields ...	30.12	36	ESE	2	csp	30.22	+ 20	27	26	- 10	frw	1	m	2	42	23	0.07	
Spurn Head ...	30.10	36	E	3	b	30.18	+ 22	36	33	- 1	ESE	4	bc	4	40	33	...	
York ...	30.10	38	E	1	b	30.23	+ 22	27	26	- 4	N	1	b	*	42	21	...	
Loughborough	30.08	36	ESE	2	b	30.19	+ 23	28	26	- 3	NNE	1	bm	*	44	22	...	
Ardrossan ...	30.12	39	N	1	c	30.19	+ 12	39	38	+ 7	SSW	2	o	2	41	31	...	
Malin Head ...	30.12	38	NNE	1	o	30.17	+ 12	36	36	- 1	SSW	3	cm	1	41	33	...	
Mullaghmore ...	30.13	39	WNW	1	b	30.20	+ 13	32	30	- 1	SSE	1	b	1	44	27	...	
Belmullet ...	30.14	41	SSE	3	b	30.21	+ 11	35	33	0	SSE	1	b	*	43	30	...	
Donaghadee ...	30.13	40	NE	2	b	30.21	+ 17	35	35	- 3	W	2	o	0	44	33	...	
Barrow-in-Furness	30.10	37	NE	3	b	30.21	+ 22	31	30	- 2	NE	1	b	*	42	29	...	
Liverpool (Bidston)	30.10	34	E	1	bc	30.23	+ 24	31	29	- 2	E	1	b	2	40	27	...	
Holyhead ...	30.09	38	NE	2	b	30.20	+ 21	35	34	- 3	E	1	b	2	41	32	...	
Parsonstown ...	30.11	44	Z	0	bc	30.23	+ 14	25	25	0	Z	0	b	*	43	21	...	
Valencia ...	30.12	41	NNE	2	b	30.20	+ 11	35	33	0	NNE	1	b	1	45	29	...	
Roche's Point...	30.10	39	ESE	3	b	30.17	+ 13	32	31	- 1	NE	3	b	3	45	30	...	
Penbroke ...	30.06	38	NE	2	bc	30.17	+ 20	32	30	- 2	ESE	3	c	3	41	30	...	
Seilly ...	30.02	41	NE	5	c	30.13	+ 23	39	35	0	ESE	4	bc	3	41	35	...	
Prawle Point ...	30.01	35	NNE	3	o	30.15	+ 26	29	27	- 1	NNE	3	b	4	37	24	...	
Jersey ...	29.95	33	NE	2	cm	30.03	+ 19	36	31	+ 1	NE	4	bc	3	42	32	0.01	
Hurst Castle ...	30.01	37	NNE	3	b	30.08	+ 18	29	27	- 1	NNE	4	b	1	37	24	...	
Dungeness ...	29.92	36	NNE	6	bc	29.97	+ 11	32	30	- 3	ESE	6	c	4	40	31	...	
London ...	30.04	35	ESE	2	b	30.09	+ 19	31	30	0	ESE	2	bc	*	40	27	...	
Oxford ...	30.10	30	NE	2	b	30.15	+ 20	25	24	- 4	N	2	b	*	39	18	0.05	
Cambridge ...	30.08	31	E	1	b	30.13	+ 18	32	30	+ 3	N	1	b	*	43	22	...	
Yarmouth ...	30.04	35	ESE	5	b	30.09	+ 15	34	33	- 1	NE	7	csp	5	37	31	...	
Cuxhaven ...	30.10	30	ESE	6	s	30.09	+ 04	31	30	+ 2	ESE	5	s	*	31	29	...	
Berlin ...	30.02	28	E	4	b	29.97	- 10	21	20	0	NE	5	o	*	30	21	...	
Wiesbaden ...	*	*	*	*	*	29.78	- 02	26	24	- 2	NE	4	s	*	32	25	0.16	
Munich ...	29.58	22	E	3	s	29.63	+ 02	24	22	+ 7	SE	3	s	*	25	?	0.24	
FRANCE & NETHERLANDS.																		
The Helder ...	30.06	34	ESE	7	b	30.09	+ 10	29	27	- 1	ESE	8	c	4	36	28	...	
Brussels ...	*	*	*	*	*	29.93	+ 07	23	23	- 4	NNE	4	s	*	35	22	0.04	
Cape Gris Nez...	29.93	34	ESE	8	b	29.94	+ 08	30	30	- 4	ESE	9	o	7	37	30	...	
Paris ...	29.85	32	NNE	5	b	29.87	+ 07	25	24	+ 3	N	5	s	*	40	?	...	
Brest ...	29.98	37	NE	4	o	30.08	+ 28	31	31	- 3	E	4	b	3	46	28	...	
Lorient ...	29.94	39	WNW	5	bc	30.04	+ 26	32	29	- 3	NE	4	b	2	48	28	...	
Rocheport ...	29.91	43	N	5	b	30.03	+ 22	30	27	- 2	NNE	5	b	2	48	23	...	
Belfort ...	29.66	24	E	2	s	29.70	+ 12	23	23	- 3	E	1	s	*	27	20	0.16	
Lyons ...	29.76	25	N	8	s	29.84	+ 20	21	19	- 2	NW	3	b	*	30	16	0.16	
Nice ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	...
Perpignan ...	29.64	41	NW	8	b	29.88	+ 37	36	30	0	NW	4	b	*	43	34	...	
Biarritz ...	29.88	43	WNW	5	b	29.96	+ 23	39	33	+ 5	S	4	o	1	45	34	...	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	...
Lisbon ...	29.96	47	WNW	5	b	29.90	+ 02	41	39	- 2	NNE	4	o	2	54	39	...	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Thursday, 17<sup>th</sup> March 1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

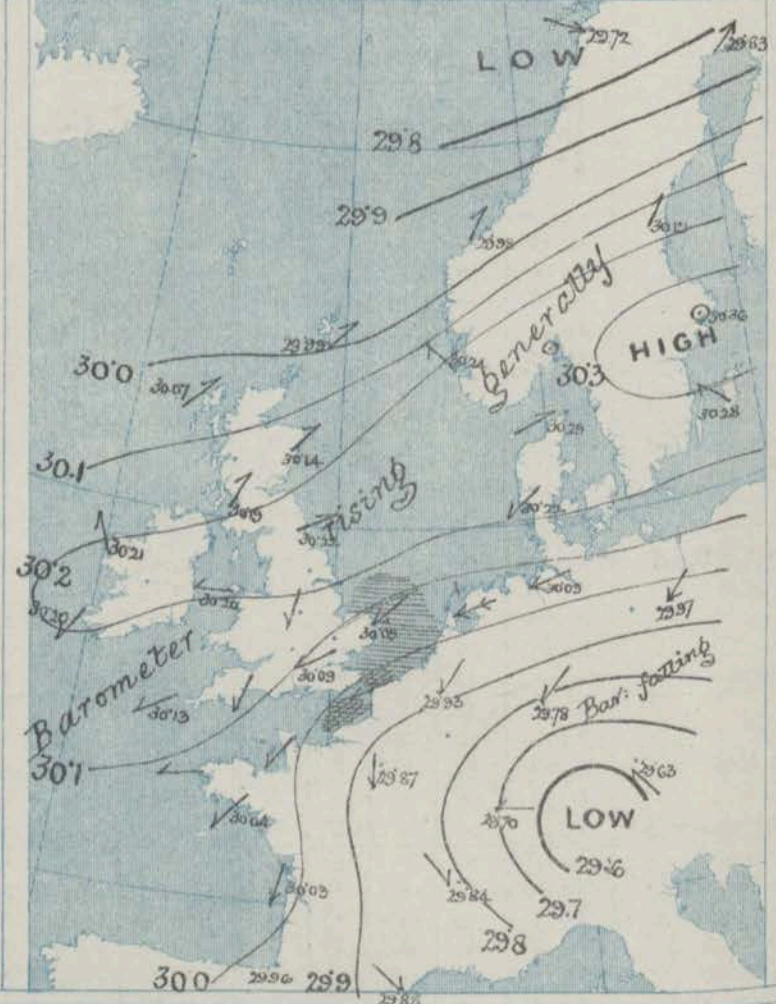
**Barometer** — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 — forces above 10; — forces 8 to 10;  
 — forces 5 to 7; — forces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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roche's Point	29.936
Pembroke	29.942
Scilly	29.968
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



## 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.

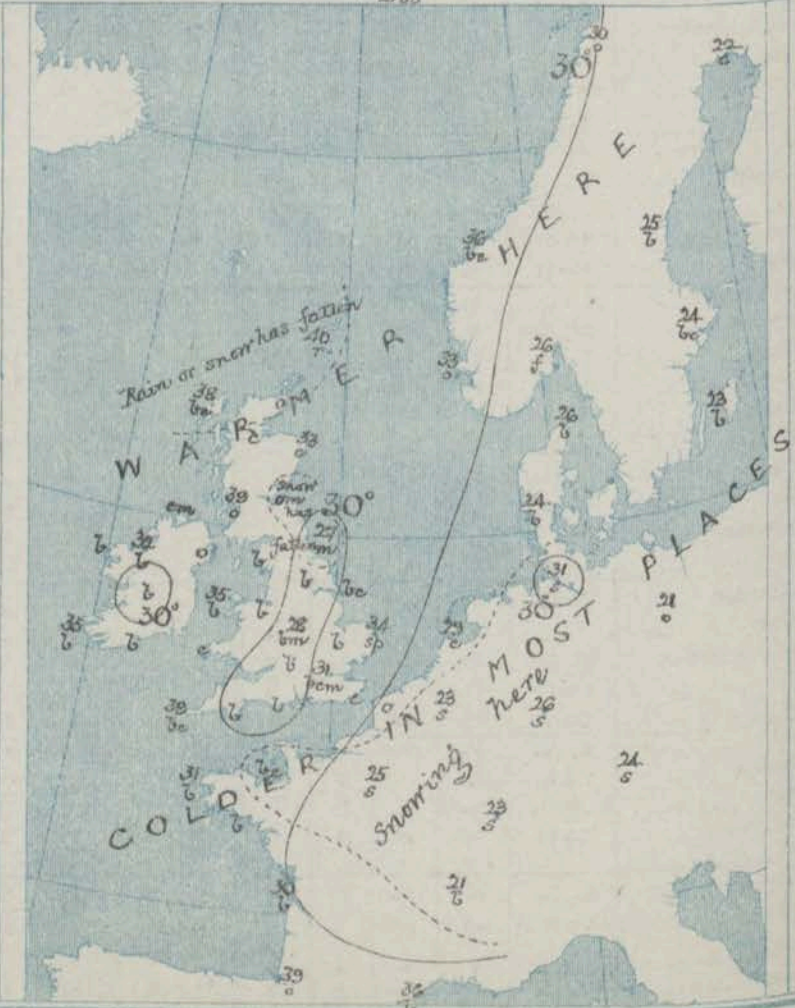
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS.	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.8	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.69
Valencia	51.8	40.8	45.6	43.6	4.24
Roche's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	35.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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 upwards, over the south of Sweden, but relatively high 30.2 ins: and upwards, in a band or "col" extending from the Baltic across the North Sea and the north of England to Ireland.  
Lowest, 29.6 ins: and less, in a depression lying over Switzerland, but relatively low 29.8 ins: and less over the N. of Scandinavia.

## TEMPERATURE

Highest, 41° at Lisbon, 40° at Lumburg Head, and 39° at Sicily and Biarritz.  
Lowest, 21° at Berlin and Lyons, 22° at Haparanda, and 23° at Kirk, Brussels and Belfort; lowest in our Islands 25° at Haromeau and Oxford.  
During last night the thermometer on the grass fell to 17° in London and 8° at Haromeau.

## WIND

Light or moderate from SW. over Scandinavia and the north of our Islands.  
NE at the southern stations as well as over North Germany, the Netherlands and the N. of France, NW in the SE. of France.  
Strong in force on our south-east coasts.

## WEATHER

Fine over England, Ireland, the west of France and the eastern shores of the North Sea.  
Cloudy in the north of our Islands, with rain at Lumburg Hd.  
Snow falling over Germany, Belgium, and the east and north-east of France.

## SEA

High at C. Fin. Key, and rather rough at Yarmouth, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed over the Bay of Biscay yesterday has moved eastwards to Germany, and the barometer has risen generally. A "Col" or band of high pressure stretches from the Baltic and south of Scandinavia across the North Sea and north of England to Ireland, but the barometer is inclined to fall a little at our extreme northern stations.

The SW winds in the north are extending southwards, and although the barometric fall there is at present very slight, it is probable that a depression will shortly appear off our extreme northern coasts.

## FORECASTS

For the 24 hours ending at NOON on 18<sup>th</sup> March

1887.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	SW <sup>2</sup> winds, freshening; cloudy, some rain.
1	SCOTLAND EAST	SW <sup>2</sup> winds, freshening; fair to cloudy and unsettled.
2	ENGLAND N.E.	NE <sup>2</sup> to variable airs; fair generally, but some fog or mist.
3	ENGLAND EAST	Same as N° 5
4	MIDLAND COUNTIES	Same as N° 2
5	ENGLAND SOUTH	NE <sup>2</sup> winds, moderating; fair generally.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	SW <sup>2</sup> winds, freshening; cloudy, perhaps some rain.
7	ENGLAND N.W.	Same as N° 0.
8	ENGLAND S.W.	NE <sup>2</sup> winds, light; fair generally.
9	IRELAND NORTH	S <sup>2</sup> and SW <sup>2</sup> winds, freshening; fair to cloudy and some rain.
10	IRELAND SOUTH	Variable breezes; finally S <sup>2</sup> ; fine to cloudy and unsettled.

### WARNINGS

NONE ISSUED.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.15	39	32	S 2	bc	2	Holyhead ...	30.07	38	36	NE 3	bc	2
Sumburgh Head ...	29.99	38	36	W 2	bc	2	Valencia ...	30.10	44	38	ENE 2	b	2
Stornoway ...	30.06	37	37	SSW 5	o	4	Scilly ...	29.97	41	38	ENE 5	c	4
Aberdeen ...	30.09	38	35	E 1	b	2	Dungeness ...	29.90	38	34	ENE 5	bc	3
Shields ...	30.07	40	37	NE 2	bcap	2	London ...	29.99	38	34	E 3	b	*
Ardrossan ...	30.09	40	38	NW 2	bc	1	Yarmouth ...	30.01	36	33	E 5	b	5
Malin Head ...	30.10	40	40	ENE 1	b	1	Jersey ...	29.89	39	35	NW 1	c	1
Mullaghmore ...	30.10	41	36	NE 1	bc	1	Rochefort ...	29.83	45	39	NE 4	b	2
Belmullet ...	30.13	42	39	N 3	bc	*							

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

Yesterday morning's reports showed that pressure was highest (30.3 ins. and upwards) over Central Russia, whence a ridge (or "col") extended westwards over the Baltic, North Sea, and British Islands to a second high pressure area over the Atlantic. To the southward of this ridge pressure decreased to 29.3 ins. in a depression over the Gulf of Genoa, while to the northward the gradients were extremely slight. Moderate E and NE winds were consequently prevalent over Western Europe, and strong NW breezes (mistral) in the south of France, while over Northern Europe there were very light variable airs. The weather <sup>was</sup> fine generally, but snow-showers still fell in a few places (especially over Hungary and the south of Russia) and over England the air was hazy. Temperature had again fallen in most parts of the Continent, and varied from about 60° over the southern part of the Mediterranean to several degrees below the freezing point at most of the inland stations, and to very much below that value over Finland, and northern and Central Russia. The highest individual values were 64° at Malta, 63° at Palermo, 61° at Brindisi, 57° at Naples, 54° at Rome, and 52° at Palma; the lowest were -11° at Haparanda, -5° at Moscow, +8° at St. Petersburg, 14° at Helsingfors and Memel, 17° at Warsaw and Munich, 21° at Berlin, 22° at Paris, 25° at Clermont and Lyons, and 30° at Madrid.

Later in the day the "col" spread a little to the southward, and the night temperatures over the British Islands were even lower than those of the previous night, but the weather was finer and very dry.

### 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.

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



# DAILY WEATHER REPORT.

for Friday 18<sup>th</sup> March 1887.

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

Issued by the Meteorological Office, 16, Victoria Street, London, W. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)			Reading at 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 ..	29.98	29	SW	6	0	29.98	+12	30	29	+8	W	6	0	*		30	10		
Hernösand ...	30.23	30	SSW	4	0	30.20	+01	28	23	0	SW	2	0	*		37	21		
Stockholm ...	30.32	21	W	0	0	30.23	-18	19	18	-5	W	2	0	*		30	19		
Wisby ...	30.22	24	SE	4	0	30.15	-13	25	23	+2	E	4	0	*		30	14		
Bodö ...	29.91	30	W	5	0	29.64	-08	37	36	+1	SW	7	0	*		37	25	0.04	
Christiansund...	30.02	39	SW	4	0	29.98	-00	40	34	+4	SW	2	0	3		36			
Skudesnaes ...	30.22	36	S	4	0	30.19	-05	35	32	+2	SE	4	0	4					
Christiania Fjord (Fjord)	30.25	32	SW	2	0	30.23	-02	28	26	+2	E	2	0	1		32			
Skagen (The Scaw)	30.23	32	NE	1	0	30.19	-10	27	25	+1	E	2	0	1		34	25		
Fanö ...	30.15	23	NE	4	0	30.15	-07	21	21	-3	NE	2	0	*		30	16		
BRITISH ISLANDS.																			
Sumburgh Head	30.04	41	W	1	0	30.05	+06	41	40	+1	SW	1	0	2		44	35	0.02	
Stornoway ...	30.12	41	W	3	0	30.15	+08	37	37	-1	W	3	0	3		46	32	0.02	
Wick ...	30.07	42	W	2	0	30.13	+06	42	40	+5	W	3	0	0		48	32		
Nairn ...	30.11	41	SW	2	0	30.17	+07	42	41	+6	W	0	0	1		46	35		
Aberdeen...	30.14	39	SW	1	0	30.17	+03	36	30	+3	W	1	0	1		46	32	0.02	
Leith ...	30.18	39	W	1	0	30.21	+08	35	34	-1	W	1	0	*		40	33	0.10	
Shields ...	30.22	36	SW	2	0	30.21	-01	34	34	+1	SW	2	0	2		41	25		
Spurn Head ...	30.20	35	NE	4	0	30.22	+04	35	34	-1	W	1	0	3		39	31		
York ...	30.23	37	E	1	0	30.24	+01	29	28	+2	W	1	0	*		43	21		
Loughborough	30.20	35	NE	3	0	30.24	+05	28	26	0	W	2	0	*		43	23		
Ardrossan ...	30.18	40	W	2	0	30.20	+01	39	38	0	W	0	0	0		41	35		
Malin Head ...	30.17	42	W	3	0	30.21	+04	42	42	+6	W	3	0	3		45	36	0.08	
Mullaghmore ...	30.22	42	W	1	0	30.25	+05	41	39	+9	W	4	0	2		47	31	0.09	
Belmullet ...	30.24	42	W	3	0	30.28	+07	38	36	+3	SE	1	0	*		46	32		
Donaghadee ...	30.21	42	W	2	0	30.21	-00	42	41	+1	NE	3	0	1		44	34	0.11	
Barrow-in-Furness	30.22	38	W	2	0	30.21	-00	33	32	+2	SE	4	0	*		40	31	0.02	
Liverpool (Bidston)	30.22	35	W	1	0	30.23	-00	33	30	+2	SE	1	0	2		37	30		
Holyhead ...	30.23	38	NE	1	0	30.22	+02	35	35	0	SW	1	0	1		42	34	0.06	
Parsonstown ...	30.23	43	W	0	0	30.27	+04	34	33	+9	W	0	0	*		45	24		
Valencia ...	30.21	43	W	1	0	30.30	+10	33	31	-2	NE	1	0	1		47	30		
Roche's Point...	30.21	39	E	2	0	30.26	+09	35	34	+3	W	3	0	3		45	32		
Pembroke ...	30.21	33	NE	2	0	30.24	+07	34	33	+2	NE	1	0	1		40	32		
Scilly ...	30.18	39	NE	4	0	30.23	+10	39	36	0	E	3	0	4		42	36		
Prawle Point ...	30.16	34	NE	2	0	30.24	+09	30	29	+1	W	3	0	3		38	26		
Jersey ...	30.07	32	E	4	0	30.13	+10	34	33	-2	NE	4	0	3		38	30	0.02	
Hurst Castle ...	30.11	36	NE	5	0	30.21	+13	32	31	+3	NE	5	0	2		38	27		
Dungeness ...	30.02	33	E	6	0	30.11	+14	32	32	0	E	5	0	4		35	30		
London ...	30.11	34	NE	4	0	30.18	+09	31	30	0	NE	3	0	*		35	28		
Oxford ...	30.19	32	W	2	0	30.24	+09	29	28	+4	W	1	0	*		39	25		
Cambridge ...	30.16	33	NE	2	0	30.21	+08	32	30	0	W	1	0	*		40	22		
Yarmouth ...	30.11	34	NE	7	0	30.16	+07	34	33	0	NE	6	0	5		35	31		
Cuxhaven ...	30.07	30	NE	7	0	30.06	-03	29	28	-2	NE	5	0	*		31	27		
Berlin ...	29.97	26	E	2	0	29.97	-00	24	23	+3	NE	2	0	*		28		0.16	
Wiesbaden ...	*	*	*	*	*	30.01	+23	25	24	-1	NE	2	0	*		32	25		
Munich ...	29.79	24	W	2	0	29.95	+02	21	19	-3	W	5	0	*		30	19	0.04	
FRANCE & NETHERLANDS.																			
The Helder ...	30.09	33	NE	7	0	30.09	-00	32	29	+3	NE	4	0	3		34	28		
Brussels ...	*	*	*	*	*	30.08	+15	27	26	+4	NE	3	0	*		27		0.24	
Cape Gris Nez...	29.98	29	E	9	0	30.07	+13	27	27	-3	E	5	0	5		24	27	0.32	
Paris ...	29.96	25	W	3	0	30.00	+13	20	20	-5	W	1	0	*		28	18	0.04	
Brest ...	30.15	35	NE	4	0	30.16	+08	29	28	-2	NE	4	0	4		45	28		
Lorient ...	30.10	37	NE	7	0	30.16	+12	32	31	0	NE	4	0	2		41	30		
Rochefort ...	30.06	37	W	5	0	30.15	+12	29	27	-1	NE	5	0	2		43	23		
Belfort ...	29.84	25	SW	1	0	29.99	+29	24	24	+1	SW	1	0	*		30	17		
Lyons ...	29.98	24	W	1	0	30.09	+25	20	19	-1	W	1	0	*		31	15		
Nice ...	29.62	23	W	7	0	29.81	+02	34	32		W	3	0	5		2	28		
Perpignan ...	29.94	42	W	4	0	30.10	+22	36		0	W	3	0	*		49	34		
Biarritz ...	30.04	41	NE	7	0	30.11	+15	35	31	-4	E	4	0	2		50	32		
PORTUGAL.																			
Coranna ...	*	*	*	*	*														
Lisbon ...	29.84	46	E	7	0	29.80	-10	46	46	+5	NE	5	0	2		48		0.43	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

Friday, 18<sup>th</sup> March

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.

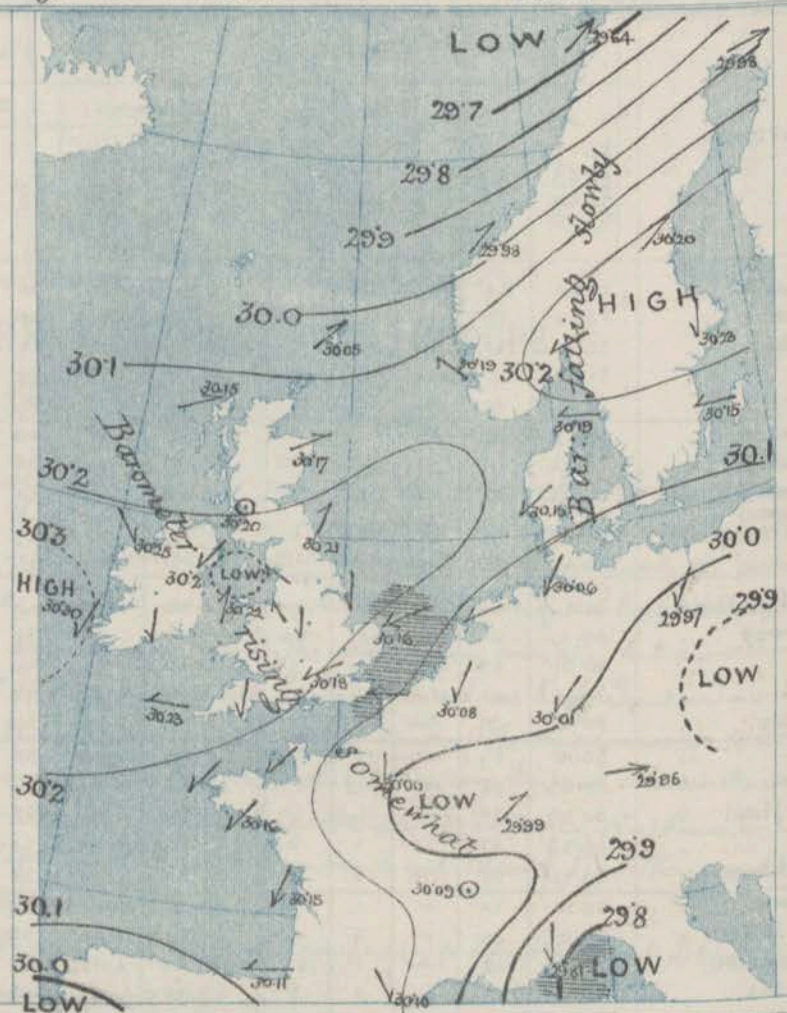
**Sea Disturbance** — where considerable is shown thus

▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roche's Point	29.936
Pembroke	29.942
Scilly	29.963
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



## 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.

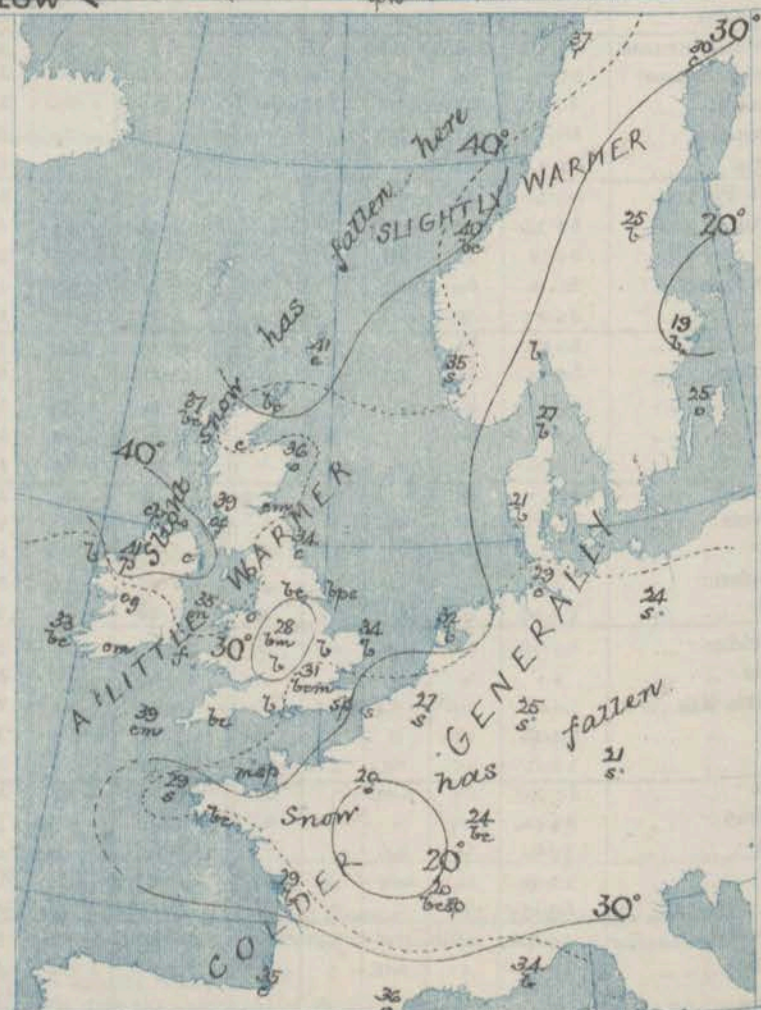
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	31.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.07
Nairn	45.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.09
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.69
Valencia	51.8	40.8	45.6	43.6	4.24
Roche's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

NOTE: — The Temperature means are for the 7 years 1871—80, the Rainfall means are mainly those for the 20 years 1866—85.





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.3 ins. at Valencia, but relatively high 30.2 ins. and upwards in areas lying respectively over Ireland, England, the North Sea and over the south of Sweden. Lowest, 29.7 ins. and less, in the northwest of Norway, but relatively low 29.8 ins. at Lisbon. The depression noticed yesterday over Switzerland is apparently breaking up.
TEMPERATURE	Highest, 46° at Lisbon, and 42° at Wick, Cairn, Malin Head and Donaghadee. Lowest, 13° at Stockholm, 20° at Paris and Lyons, and 21° at Faro and Munich; lowest in our islands 28° at Loughborough.
WIND	SW over the northern parts of Scotland and Scandinavia; strong in force in the latter region. N or NE in most other localities, but cyclonic circulations shown in the NW. of our Islands and the east of France. The NE wind still blows strongly on our extreme southeast coast.
WEATHER	Fair over the greater part of Western Europe, but rain showers falling in the north of Ireland, snow showers at some of our eastern and southern stations, and steady snow in Germany and Belgium. Snow showers fell yesterday in many parts of the United Kingdom.
SEA	Rather rough at Yarmouth, C. of N. and K. of I., but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer has fallen at all the Scandinavian and Danish stations, and the band of high pressure noticed yesterday has become detached; the highest readings of all being now reported from the southwest of Ireland. In the meantime the low pressure system over Switzerland has partially filled up.

In the course of the night, however, a new, but very small and shallow depression has been formed over the Irish Sea. This may possibly move southwards and snow is therefore not improbable over England.

## FORECASTS

For the 24 hours ending at NOON on 19<sup>th</sup> March 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW <sup>ly</sup> and W <sup>ly</sup> winds, moderate; fair generally, but local showers.	6 SCOTLAND WEST	Light variable breezes; cloudy, some snow.
1 SCOTLAND EAST	-----D°-----D°-----D°-----	7 ENGLAND N. W.	-----D°-----D°-----D°-----
2 ENGLAND N. E.	NW <sup>ly</sup> and N <sup>ly</sup> winds, light; fair to unsettled and some snow.	8 ENGLAND S. W.	Same as N° 5.
3 ENGLAND EAST	Same as N° 5	9 IRELAND NORTH	NW <sup>ly</sup> and N <sup>ly</sup> winds, moderate; changeable, some showers.
4 MIDLAND COUNTIES	Same as N° 2	10 IRELAND SOUTH	N <sup>ly</sup> winds, light or moderate, fair generally.
5 ENGLAND SOUTH	NE <sup>ly</sup> to NW <sup>ly</sup> winds, moderate; fair to unsettled and some snow.	WARNINGS	None issued.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.25	38	32	SSE 6	bc	u	Holyhead ...	30.22	41	35	ENE 1	b	1
Sumburgh Head ...	30.05	43	41	SW 2	c	3	Valencia ...	30.21	44	38	WSW 2	bc	2
Stornoway ...	30.10	44	43	WSW 3	c	2	Scilly ...	30.15	42	37	E 4	b	3
Aberdeen ...	30.14	40	37	SW 2	bc	1	Dungeness ...	29.97	34	34	ENE 6	c	4
Shields ...	30.21	40	35	SW 2	bm	2	London ...	30.10	35	32	NE 5	OSP	*
Ardrossan ...	30.19	41	39	SSW 2	o	2	Yarmouth ...	30.11	35	34	NE 7	c	5
Malin Head ...	30.18	44	44	W 3	o	2	Jersey ...	30.05	38	33	NE 5	bc	4
Mullaghmore ...	30.22	44	38	W 2	c	2	Rocheport ...	30.04	41	35	NE 5	bc	2
Belmullet ...	30.24	46	40	W 2	b	*							

## GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The Continental reports for yesterday showed that pressure was highest, 30.7 in. and upwards, over Central Russia, whence a band of relatively high readings extended W<sup>est</sup> over the Baltic, the south of Scandinavia and the North Sea to the west of our Islands. The lowest readings, 29.5 in. and less, were found in a depression lying over Switzerland and North Italy, but relatively low readings, 29.7 in. and less, were reported over the north of Scandinavia. SW or W breezes prevailed over Northern Europe and also at some of the Mediterranean stations, but elsewhere the wind was chiefly NE, and over the Netherlands and southeast of England it blew strongly. The weather was fair at most of the northern, western, and southern stations, but snow was falling over nearly the whole of Central Europe. Temperature had fallen generally, and readings ranged from 55° and upwards over some parts of Algeria and South Italy to 5° or below over Central Russia. The highest individual readings were 63° at Constantinople, 61° at Khindisi, 57° at Malta, and 56° at Ispah, Cagliari, and Palermo; the lowest were -3° at Moscow, +1° at Archangel, and Riga, 11° at St. Petersburg and 14° at Mermel.

In the course of the day very little change occurred either in pressure winds or weather. Snow showers fell at several of our eastern and southern stations, and temperature remained very low for the time of year.

## General Remarks for the 24 hours ended 8 am March 16<sup>th</sup> 1887.

The reports for Tuesday, 15<sup>th</sup>, showed two large high pressure areas — one over Russia, Poland and the Baltic, the other off the west coast of Ireland. Between these two systems lay a shallow depression (over the North Sea), and another shallow system lay over the eastern part of the English Channel, while a large low pressure area covered the western parts of the Mediterranean, the southern half of Spain and the north of Africa, and a small local depression lay over the Gulf of Genoa. S<sup>outh</sup> and fine cold weather prevailed over Northern Europe, NW to NE winds were felt over the British Islands, and were accompanied by heavy snow over the southern counties, and exceptionally dense fogs locally (notably in London), while in France the wind varied from light SW breezes over the northern departments to NE and E winds in the south and southwest. Temperature varied from about 70° in Sicily and from upwards of 60° over the south-eastern part of the Mediterranean generally to rather below the freezing point over all the NW and central parts of Europe, and to a much lower value over Finland and N<sup>orth</sup> and Central Russia. The highest individual readings were 70° at Palermo, 63° at Malta, 61° at Khindisi, and at Nemours (Algeria), 59° at Cagliari, 58° at Rome and 56° at Algiers, the lowest -3° at Haparanda, -1° at Kuopio and St. Petersburg, +4° at Moscow, 11° at Helmsfors and Helsingfors, 13° at Lyons, 20° at Paris and Belfort, 22° at Kharkov and Stockholm, 25° at Berlin, and 28° at Naim, York and Cambridge.

Dense black fogs continued in London till after 1 pm, and snow fell all day, the fall over our southern counties being very heavy. During the succeeding night a further reduction of temperature occurred generally over NW Europe, and the conditions were of a most sinister character.

### 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 19<sup>th</sup> March 1887.

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

Issued by the Meteorological Office, No. 1, Victoria Street, London, W. 1. 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 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For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Saturday, 19<sup>th</sup> March.

## 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.

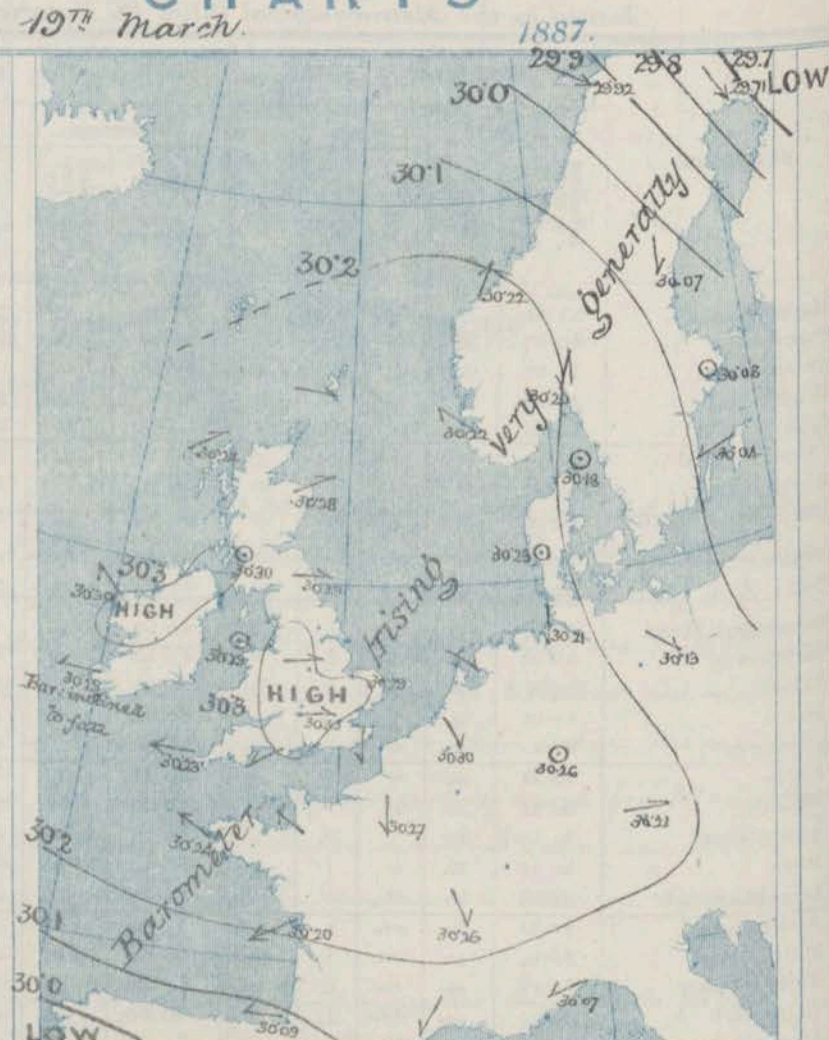
**Sea Disturbance** — where considerable is shown thus

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roche's Point	29.936
Pembroke	29.942
Scilly	29.968
Hurst Castle	29.968
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



## 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.

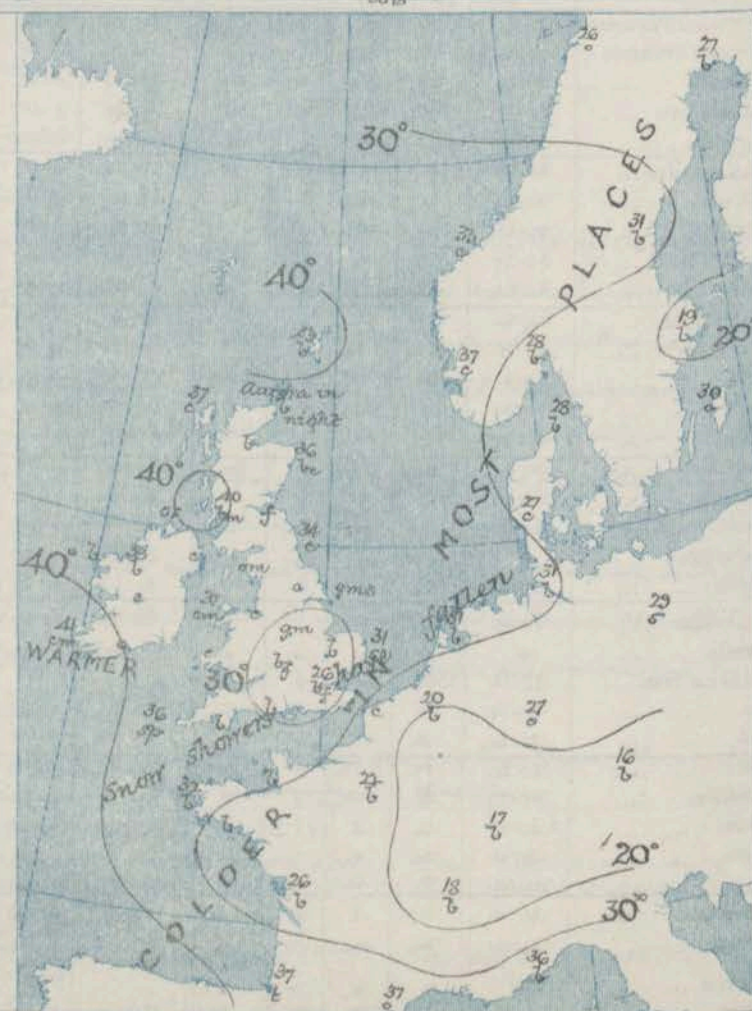
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m. Dry.	At 8 a.m. Wet.	
Sumburgh Head	42.9	34.5	38.7	37.6	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.50
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.69
Valencia	51.8	40.8	45.6	43.6	3.24
Roche's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.32
Yarmouth	45.7	36.0	41.1	39.4	1.77

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1666—85.





## GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.20 in. to 30.33 in.: over the British Isles, North Sea, France, and Western Germany. Lowest, 29.71 in. at Haparanda, and 29.91 in. at Lisbon. Gradients very slight except in the far N. Barometer inclined to fall at Valencia, rising elsewhere.
TEMPERATURE	Highest, 48° at Lisbon, 43° at Lumburg, 41° at Valencia, and 40° at Rochester. Lowest, 16° at Munich, 18° at Lyons, 20° at Brussels, 22° at Paris, 26° in London, and 29° at Berlin. It has fallen in most places since yesterday, but is inclined to rise in Ireland now.
WIND	NE <sup>2</sup> and E <sup>3</sup> , moderate to light over the Channel and west of France. Light SE in some parts of Ireland. Very light and variable elsewhere, but chiefly NW at the coast stations.
WEATHER	Day generally clear at many of the W and N stations, and on the Continent, foggy over many of the inland parts of England. Slight showers of dry drifting snow are still reported locally in the E. and S. Slight Aurora was observed at Wick last night.
SEA	Moderate on our SW coasts and at Yarmouth, slight or smooth elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone now covers the whole of Western Europe. The tendency to a decrease of pressure and increase of temperature in the south of Ireland seem to indicate that the western margin of the system does not lie far outside our extreme western coasts. The weather in the far west may therefore become milder shortly, but no immediate change of importance is likely elsewhere.

## FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW <sup>2</sup> airs and calms; fine, hazy.	6 SCOTLAND WEST	Same as No 0
1 SCOTLAND EAST	-----D°-----D°-----D°-----	7 ENGLAND N. W.	Same as No 2
2 ENGLAND N. E.	NW <sup>2</sup> airs and calms, very cold, dry drifting snow at times, foggy inland at night.	8 ENGLAND S. W.	Same as No 5
3 ENGLAND EAST	-----D°-----D°-----D°-----	9 IRELAND NORTH	SE <sup>2</sup> breezes, light; fine, cold.
4 MIDLAND COUNTIES	-----D°-----D°-----D°-----	10 IRELAND SOUTH	-----D°-----D°-----D°-----
5 ENGLAND SOUTH	NE <sup>2</sup> breezes, light; slight showers of dry drifting snow. Calm and foggy at night.	WARNINGS	None issued.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.18	39	36	SSW 4	0	4	Holyhead ...	30.24	38	37	S 3	0 m	2
Sumburgh Head ...	30.08	45	43	W 1	0	2	Valencia ...	30.29	46	41	N 2	0 m	2
Stornoway ...	30.23	45	43	W 4	0	4	Scilly ...	30.24	43	39	E 1	0	3
Aberdeen ...	30.19	44	40	W 1	0	1	Dungeness ...						
Shields ...	30.21	41	38	W 1	0	2	London ...	30.21	39	34	NE 4	csp	*
Ardrossan ...	30.22	45	44	WNW 1	0	0	Yarmouth ...	30.20	36	33	ENE 5	6	5
Malin Head ...	30.23	46	46	W 2	0	3	Jersey ...	30.18	37	35	NE 3	c	3
Mullaghmore ...	30.27	47	43	W 5	0	3	Rochefort ...	30.19	40	35	ENE 5	6	2
Belmullet ...	30.30	46	40	WNW 2	0	*							

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

The Continental Reports for yesterday morning showed that pressure was highest, 30.5 ins. and upwards, over Central Russia, and high 30.3 ins. and upwards off the southwest of Ireland, the two regions being connected by a band or "col" which extended over the Baltic, the North Sea, and the greater part of our Islands. The lowest readings, 29.7 ins. and less, were found in a depression lying over Transylvania and Moldavia, but other shallow disturbances were reported over Germany and Northern Italy. Moderate SW winds prevailed in the extreme northern countries, but over Central and the greater part of Western Europe the wind was chiefly E<sup>2</sup> or NE<sup>2</sup>, while in the southern parts of France and Italy it was NW<sup>2</sup>. Snow was again falling in many parts of Russia, Austria, Germany, and the Netherlands, as well as in the East of England, but elsewhere the weather was mostly fair. Temperature, which showed a general tendency to rise, varied from 50° and upwards at the Algerian and Mediterranean stations to 25° or below over Switzerland and Eastern France, and to 5° or below over Central Russia. The highest individual readings were 53° at Bimindiri, 51° at Malta, 56° at Algiers, and 53° at Oran and Cagliari; the lowest were 2° at Moscow, 3° at St. Petersburg, 13° at Kuopio, 18° at Memel, and 20° at Paris.

In the course of the day the barometer rose slightly on all but our southwest coasts, but no important change occurred in the winds or weather. Snow showers fell at many of our eastern stations, and hard frost occurred at night over the inland 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 Sunday 20<sup>th</sup> March 1887.

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

Issued by the Meteorological Office, 16, 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 ..	30.05	15	Z	0	b	30.24	+ .53	18	16	- 9	NW	4	c	*	32	16	Ins.		
Hernösand ...	30.28	24	N	2	b	30.45	+ .38	23	21	- 8	Z	0	c	*	41	19	—		
Stockholm ...	30.36	28	SSE	2	b	30.43	+ .35	27	24	+ 8	Z	0	b	*	39	12	—		
Wisby ...	30.49	30	N	4	b	30.44	+ .37	30	28	0	E	2	b	*	36	23	—		
Bodö ...	30.18	25	NW	4	c	30.23	+ .31	24	22	- 2	ENE	4	o	2	27	21	—		
Christiansund...	30.25	33	ENE	3	b	30.23	+ .01	40	37	+ 7	SW	4	b	+	?	30	0.08		
Skudesnaes ...	30.31	35	Z	0	b	30.39	+ .17	38	35	+ 1	SSE	4	b	3	46	37	—		
Christiania Fjord (Fjorder)	30.30	35	Z	0	b	30.42	+ .22	34	33	+ 6	WSW	2	b	1	36	?	—		
Skagen (The Scaw)	30.36	33	Z	0	b	30.43	+ .25	33	32	+ 5	S	1	b	0	37	27	—		
Fanö ...	30.35	25	Z	0	b	30.44	+ .18	28	27	+ 1	ESE	2	b	*	36	25	—		
BRITISH ISLANDS.																			
Sumburgh Head	30.12	42	Z	0	b	30.23	+ .24	42	40	- 1	S	1	b	1	48	38	—		
Stornoway ...	30.23	44	SSW	4	b	30.17	- .07	34	34	- 3	S	2	b	1	48	31	—		
Wick ...	30.27	43	NW	2	b	30.22	- .03	?	?	?	S	3	b	1	50	35	—		
Nairn ...	30.25	43	Z	0	c	30.22	- .04	30	30	- 6	Z	0	b	0	48	26	—		
Aberdeen...	30.28	43	SSW	2	b	30.23	- .05	33	32	- 3	SSW	1	b	1	52	29	—		
Leith ...	30.18	42	E	1	b	30.21	- .07	38	38	+ 6	NW	1	cm	*	49	30	—		
Shields ...	30.27	41	E	1	c	30.19	- .10	36	35	+ 2	SSW	2	s	2	44	32	—		
Spurn Head ...	30.27	38	ESE	3	b	30.21	- .06	38	36	+ 4	ESE	1	b	3	40	31	0.01		
York ...	30.25	40	ESE	1	b	30.22	- .07	31	31	- 1	SSE	1	c	*	47	27	—		
Loughborough	30.24	37	SE	1	c	30.19	- .10	31	30	+ 3	NNE	1	b	1	42	26	—		
GERMANY.																			
Ardrossan ...	30.25	46	SE	1	cm	30.19	- .11	38	36	- 2	NE	1	cm	1	47	34	—		
Malin Head ...	30.23	43	E	2	o	30.15	- .14	36	36	- 4	SE	3	b	1	46	35	—		
Mullaghmore ...	30.23	43	ENE	2	c	30.14	- .16	36	35	+ 3	E	4	b	2	45	32	—		
Belmullet ...	30.22	43	E	3	c	30.12	- .18	37	35	- 2	ESE	1	b	*	48	34	—		
Donaghadee ...	30.26	42	E	3	c	30.19	- .11	39	38	0	E	2	c	0	44	37	—		
Barrow-in-Furness	30.22	41	NE	2	o	30.19	- .10	34	33	+ 3	NE	3	b	*	45	30	—		
Liverpool (Bidston)	30.22	40	NNE	1	c	30.20	- .11	30	29	- 3	ESE	2	cf	2	41	27	0.02		
Holyhead ...	30.23	41	NNE	2	c	30.17	- .12	37	34	0	E	1	b	1	46	32	—		
Parsonstown ...	30.22	41	Z	0	c	30.13	- .17	28	27	- 6	Z	0	b	*	44	25	—		
Valencia ...	30.19	43	ESE	4	b	30.11	- .14	37	35	- 4	NNE	1	b	1	46	29	—		
FRANCE & NETHERLANDS.																			
Roche's Point...	30.20	42	SSE	4	b	30.09	- .18	35	34	- 5	E	3	cm	4	45	31	—		
Pembroke ...	30.21	34	ENE	2	o	30.13	- .16	33	30	- 2	ESE	4	b	3	42	31	—		
Scilly ...	30.17	38	ESE	4	cep	30.07	- .16	37	35	+ 1	ENE	4	cep	3	42	32	0.06		
Prawle Point ...	30.21	35	NE	3	b	30.09	- .20	32	32	- 5	E	4	s	4	41	29	0.03		
Jersey ...	30.17	35	ENE	3	b	30.07	- .29	30	31	0	ENE	3	b	3	39	28	—		
Hurst Castle ...	30.24	35	ESE	3	c	30.12	- .19	33	32	+ 3	NE	3	m	1	40	28	—		
Dungeness ...	30.23	35	E	3	b	30.09	- .19	34	34	+ 3	E	4	b	3	40	30	—		
London ...	30.25	34	E	2	b	30.12	- .18	31	30	+ 5	ENE	3	cf	*	41	26	0.01		
Oxford ...	30.26	33	SE	1	c	30.15	- .18	29	28	+ 5	NE	1	b	*	42	24	0.01		
Cambridge ...	30.26	33	E	1	b	30.16	- .15	32	30	+ 3	NE	1	b	*	46	22	—		
Yarmouth ...	30.28	36	NE	2	c	30.18	- .11	35	32	+ 4	ESE	5	c	4	38	30	0.08		
Cuxhaven ...	30.26	31	N	2	b	30.36	+ .15	31	?	0	ESE	4	b	*	31	28	—		
Berlin ...	30.30	31	NE	3	o	30.45	+ .32	29	27	0	ESE	2	c	*	32	28	—		
Wiesbaden ...	*	*	*	*	*	30.23	- .03	28	27	+ 1	NE	4	b	*	36	25	—		
Munich ...	30.21	16	E	2	b	30.19	- .02	14	14	- 2	E	3	b	*	27	5	—		
PENINSULA.																			
The Helder ...	30.29	34	NE	1	b	30.25	- .03	32	30	+ 1	E	1	b	1	37	30	—		
Brussels ...	*	*	*	*	*	30.46	- .16	21	21	- 1	ESE	1	b	*	34	14	—		
Cape Gris Nez...	30.23	23	E	1	o	30.10	?	25	25	- 3	SE	4	b	3	43	25	—		
Paris ...	30.40	31	E	2	b	30.08	- .19	26	25	+ 4	NE	1	o	*	40	?	—		
Brest ...	30.13	35	ESE	5	b	30.07	- .17	27	26	- 5	ESE	3	b	3	46	27	—		
Lorient ...	30.13	35	ESE	5	b	30.03	- .18	30	28	+ 1	ENE	3	o	2	39	27	—		
Rockefort ...	30.09	41	E	5	o	29.98	- .22	35	32	+ 9	ESE	4	o	2	45	?	—		
Belfort ...	30.12	28	NE	1	b	30.07	- .10	25	25	+ 8	NE	3	s	*	34	15	0.04		
Lyons ...	30.17	31	N	1	o	30.06	- .19	30	29	+ 12	N	1	s	*	35	?	0.04		
Nice ...	30.14	43	Z	0	c	30.17	+ .10	37	37	+ 1	E	1	r	2	50	26	0.08		
Perpignan ...	30.04	45	E	3	o	29.97	- .18	44	43	+ 7	E	3	o	*	46	?	—		
Biarritz ...	30.02	40	ESE	3	o	29.98	- .11	37	37	0	E	3	o	0	45	36	0.04		
SOUTH AMERICA.																			
Corunna ...	*	*	*	*	*	29.87	- .07	47	46	+ 1	E	1	o	2	54	43	—		
Lisbon ...	29.96	55	WSW	3	b	29.92	+ .01	55	54	+ 6	SSW	3	o	2	59	?	—		

For Explanation of Columns, see p. 4.



# WEATHER

for 8 a.m. on

# CHARTS

Sunday 20<sup>th</sup> March

1887.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

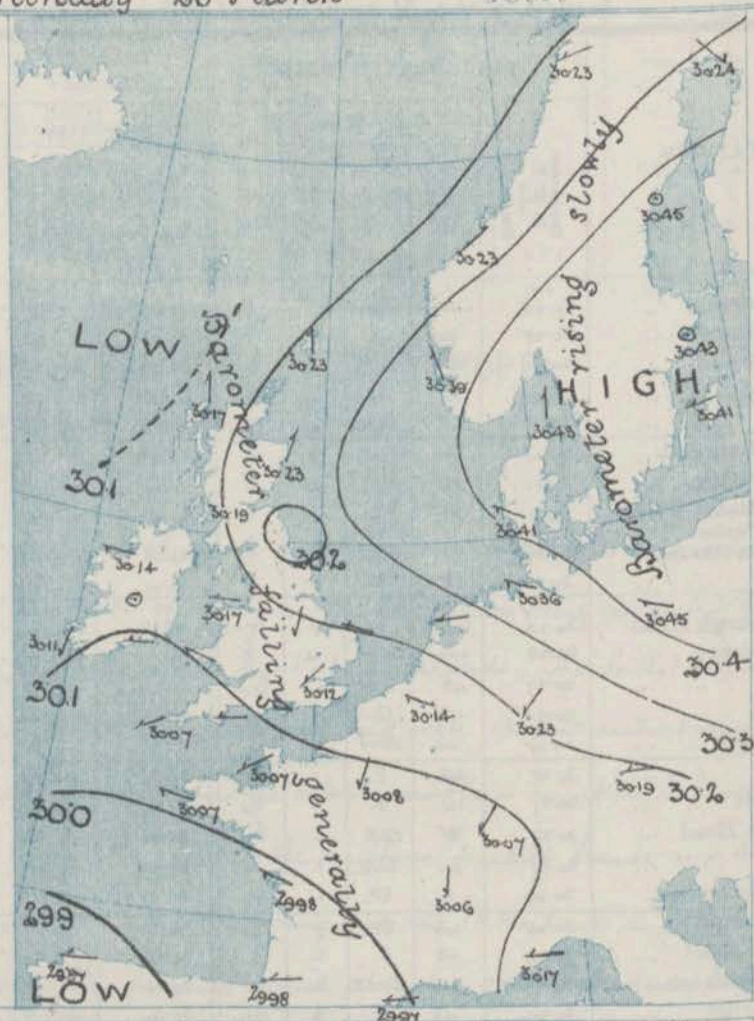
**Sea Disturbance** — where considerable is shown thus

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roche's Point	29.936
Pembroke	29.942
Scilly	29.968
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



## 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.

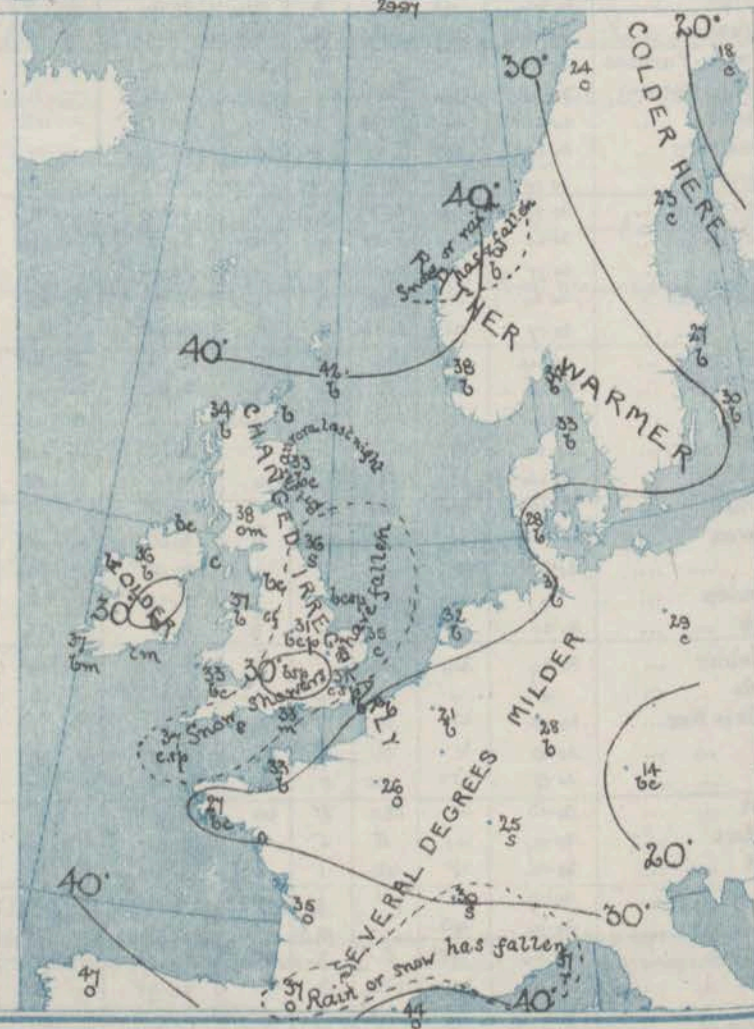
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 8.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	43.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.89
Valencia	51.8	40.8	45.6	43.6	4.24
Roche's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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, 30.4 in. and upwards, in a large anticyclone lying over the south of Scandinavia, the Baltic and North Germany. Lowest, 29.9 in. and less, over the NW. of Spain, but relatively low 30.1 in. to the NW. of our Islands.
TEMPERATURE	Highest, 55° at Liabov, 47° at Louenna, 44° at Harpignan and 42° at Lumburgh Head. Lowest, 14° at Munich, 18° at Haparanda, 21° at Brussels, 23° at Hernösand, and 24° at Bodö.
WIND	S. in the north of our Islands and the west of Norway. E. or NE elsewhere, light or moderate in force generally.
WEATHER	Steady snow falling in the east of France, and snow showers at many of the English stations. (Dull in Spain and the west and north of France with rain at times.) Fair or fine in most other localities.
SEA	Moderate to smooth.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large anticyclone noticed yesterday has travelled steadily eastwards, and the barometer is now falling over the greater part of Western Europe. A shallow depression is now lying over the north-west of Spain, and there is a tendency for other disturbances to appear off the west coasts of our Islands.

## FORECASTS

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

### DISTRICTS.

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

### FORECASTS.

None issued.

### DISTRICTS.

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

### WARNINGS

### FORECASTS.

None issued.

None issued.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		
Skudesnaes ...	30.26	46	40	SSW	4	b m	3	Holyhead ...	30.18	42	40	WNW	1	b m	1
Sumburgh Head ...	30.21	46	43	SW	2	c	2	Valencia ...	30.21	46	40	SE	5	b m	5
Stornoway ...	30.23	47	45	SSW	4	c	3	Scilly ...	30.20	41	40	SE	5	c	4
Aberdeen ...	30.29	46	43	SSW	3	b	1	Dungeness ...	30.26	37	35	S	1	b	1
Shields ...	30.28	43	41	NE	1	c	2	London ...	30.26	39	36	ENE	2	b c	*
Ardrossan ...	30.28	47	45	Z	0	b c	0	Yarmouth ...	30.27	38	35	NNE	2	b c	2
Malin Head ...	30.26	44	44	NNE	2	a	1	Jersey ...	30.22	36	33	ENE	3	b	3
Mullaghmore ...	30.27	43	40	NE	2	c	2	Rochefort ...	30.15	45	39	ENE	5	b c	2
Belmullet ...	30.24	44	41	SSW	2	o	*								

## GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday showed that a large anticyclonic system, in which pressure varied from 30.1 ins. to a little above 30.3 ins. lay over the whole of the British Isles and Northwestern Europe, and that as the gradients were very slight the winds were light and variable—chiefly NE at the southern and western stations, and W or SW in the north and northwest. Temperature was very low at all the inland stations, the 8 am readings being above 50° on the more southern shores of the Mediterranean only, while they were many degrees below the freezing point over the central parts of all but the southern countries. The highest individual readings were 59° at Palermo, 57° at Sfat (Algeria), Cagliari, Brindisi and San Fernando, 51° at Naples, and 50° at Rome and Langunairo; the lowest 2° F at Kuopio, 8° at Archangel and Helmsfors, 12° at Hango, 14° at Moscow, 16° at Munich, 17° at St Petersburg and Relfort, 18° at Lyons, 19° at Kiev, 20° at Kassel, 22° at Cracow, Lemberg, and Paris, 24° at Oxford, 26° in London, 28° at Loughborough, and 29° at Berlin.

During the day the anticyclone moved eastwards, and the barometer began to fall somewhat steadily over Southern and Western Europe. Temperature, however, changed very little except over Spain and the southern half of France where it rose temporarily.

### 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 Monday 21<sup>st</sup> March.

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 35° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 35° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	30.20	21	S	4	0	29.92	-.32	33	32	+ 15	W	4	c	*	?	?	—	
Hernösand ...	30.29	28	S	2	b	30.30	-.15	27	26	+ 4	Z	0	bc	*	36	78	—	
Stockholm ...	30.49	30	SW	2	b	30.49	+ .06	33	32	+ 6	SW	2	bc	*	39	18	—	
Wisby ...	30.49	32	SW	4	b	30.47	+ .06	32	31	+ 2	S	4	b	*	41	23	—	
Bodö ...	29.94	39	WSW	8	0	29.87	-.36	40	37	+ 16	WSW	8	r	6	?	23	0.06	
Christiansund...	30.25	40	S	1	b	30.14	-.09	36	33	- 4	S	1	b	4	42	30	—	
Skudesnaes ...	30.29	39	S	4	b	30.09	-.30	38	32	0	SE	7	c	4	45	37	—	
Christiania Fjord (Færder)	30.48	36	SE	2	b	30.36	-.06	32	30	- 2	ESE	4	b	4	39	30	—	
Skagen (The Scaw)	30.42	35	S	4	b	30.26	-.17	33	30	0	S	4	bc	3	37	32	—	
Fanö ...	30.26	31	SE	6	b	30.05	-.36	30	27	+ 2	SE	8	c	*	36	28	—	
BRITISH ISLANDS.																		
Sumburgh Head	30.12	40	S	3	c	29.92	-.31	36	36	- 6	SE	4	ohp	4	46	34	0.01	
Stornoway ...	30.02	43	SSE	2	c	29.80	-.37	40	39	+ 6	SSE	4	0	4	48	32	—	
Wick ...	30.07	44	S	4	bc	29.84	-.38	39	36	?	S	4	c	2	47	36	—	
Nairn ...	30.04	38	E	2	bc	29.86	-.36	34	31	+ 4	Z	0	b	1	47	27	—	
Aberdeen...	30.09	40	SSE	3	bc	29.88	-.35	35	33	+ 2	SW	1	sp	1	44	32	0.03	
Leith ...	30.06	41	SW	1	0	29.87	-.34	33	32	- 5	SSE	1	omg	*	42	30	0.04	
Shields ...	30.09	37	ESE	2	c	29.83	-.36	24	24	- 2	Z	0	m	2	41	31	0.10	
Spurn Head ...	30.07	35	E	3	c	29.82	-.39	33	33	- 5	N	2	s	3	40	32	0.05	
York ...	30.08	33	E	1	bcp	29.85	-.37	31	30	0	NNW	1	b	*	41	29	0.03	
Loughborough	30.04	35	ENE	2	c	29.87	-.32	22	22	- 9	ENE	1	f	*	40	22	—	
Ardrossan ...	30.03	39	E	1	0	29.85	-.34	32	30	- 6	NE	2	bf	1	46	28	—	
Malin Head ...	29.98	40	SE	3	om	29.75	-.40	32	32	- 4	SE	3	om	2	44	29	—	
Mullaghmore ...	29.99	40	SE	4	c	29.75	-.39	34	31	- 2	SE	4	b	2	44	31	—	
Belmullet ...	29.96	42	SSW	2	0	29.67	-.45	34	32	- 3	SE	5	b	*	46	32	—	
Donaghadee ...	30.05	38	SSW	3	b	29.81	-.37	37	34	- 2	SSE	4	bc	2	45	33	—	
Barrow-in-Furness	30.07	39	E	2	0	29.86	-.33	32	30	- 2	NE	3	c	*	40	30	—	
Liverpool (Bidston)	30.05	35	E	2	s	29.85	-.35	33	30	+ 3	SSE	1	bc	2	41	28	—	
Holyhead ...	30.05	36	SW	1	c	29.84	-.33	32	31	- 5	ESE	1	bc	1	41	31	—	
Parsonstown ...	30.04	35	SE	1	bc	29.77	-.36	34	32	+ 6	SE	1	c	*	42	24	—	
Valencia ...	29.99	42	SSE	3	omg	29.62	-.49	41	37	+ 4	SE	6	ag	5	48	34	—	
Roche's Point...	30.02	38	SE	4	cm	29.74	-.35	40	25	+ 5	SE	5	0	4	42	34	—	
Pembroke ...	30.02	35	ESE	2	c	29.24	-.29	34	32	+ 1	E	4	0	3	39	32	—	
Scilly ...	29.98	37	E	4	cps	29.80	-.27	39	36	+ 2	SSE	4	0	4	41	32	0.07	
Prawle Point ...	30.00	35	E	2	c	29.85	-.24	31	30	- 1	NNE	2	bc	2	38	28	0.01	
Jersey ...	29.97	35	NE	2	bc	29.87	-.20	35	33	+ 2	Z	0	cm	0	39	31	—	
Hurst Castle ...	30.01	34	Z	0	c	29.87	-.25	33	32	0	NE	1	m	0	38	26	—	
Dungeness ...	29.98	35	E	3	b	29.86	-.23	29	29	- 5	N	2	m	2	39	27	—	
London ...	30.01	34	E	1	bc	29.87	-.25	30	28	- 1	SW	1	bf	*	41	26	—	
Oxford ...	30.02	32	E	2	s	29.87	-.28	32	31	+ 3	NNE	1	oshp	*	37	29	—	
Cambridge ...	30.04	35	N	1	c	29.86	-.30	29	28	- 3	Z	0	bc	*	41	26	—	
Yarmouth ...	30.05	35	E	4	c	29.84	-.34	32	31	- 3	Z	0	bun	4	37	27	—	
Cuxhaven ...	30.24	28	SE	5	bc	30.02	-.24	32	31	+ 1	SSE	5	bc	*	?	?	—	
Berlin ...	30.37	30	SE	2	b	30.21	-.24	25	25	- 4	ESE	4	c	*	36	23	—	
Wiesbaden ...	*	*	*	*	*	29.94	-.29	35	34	+ 7	E	3	0	*	36	25	—	
Munich ...	30.12	24	E	1	b	29.99	-.20	18	18	+ 4	E	3	c	*	32	14	—	
GERMANY.																		
The Helder ...	30.04	36	ESE	4	s	29.86	-.39	34	31	+ 2	SE	1	c	1	39	32	0.04	
Brussels ...	*	*	*	*	*	29.86	-.28	33	33	+ 12	SE	1	f	*	?	?	0.04	
Cape Gris Nez...	29.99	34	ENE	3	b	29.82	-.28	31	31	+ 6	SSE	1	0	1	37	25	—	
Paris ...	29.98	34	ENE	1	0	29.87	-.21	32	32	+ 6	N	1	s	*	40	?	—	
Brest ...	29.95	35	ESE	4	bc	29.88	-.19	34	32	+ 7	ESE	3	b	5	46	28	—	
Lorient ...	29.97	37	W	3	b	29.89	-.14	34	31	+ 4	ENE	4	b	2	41	28	—	
Rochefort ...	30.00	43	NNE	4	0	29.97	-.01	36	35	+ 1	N	1	b	1	48	30	—	
Belfort ...	29.97	38	NE	1	0	29.89	-.18	35	34	+ 10	NE	1	0	*	35	25	0.08	
Lyons ...	30.04	41	SE	1	0	29.89	-.17	44	?	+ 16	S	5	r	*	47	39	0.16	
Nice ...	30.06	48	E	1	c	30.07	-.10	46	44	+ 9	Z	0	r	2	48	43	0.16	
Perpignan ...	29.93	54	Z	0	0	29.91	-.06	46	46	+ 2	SW	1	0	*	62	39	—	
Biarritz ...	29.87	55	ENE	4	r	29.91	-.07	48	45	+ 11	NE	4	r	1	57	?	0.67	
Corunna ...	*	*	*	*	*	30.01	+ .09	34	32	- 1	WSW	5	bc	4	59	52	0.12	
Lisbon ...	29.88	55	SW	5	b													

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



# WEATHER CHARTS

for 8 a.m. on

Monday 21<sup>st</sup> March

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.

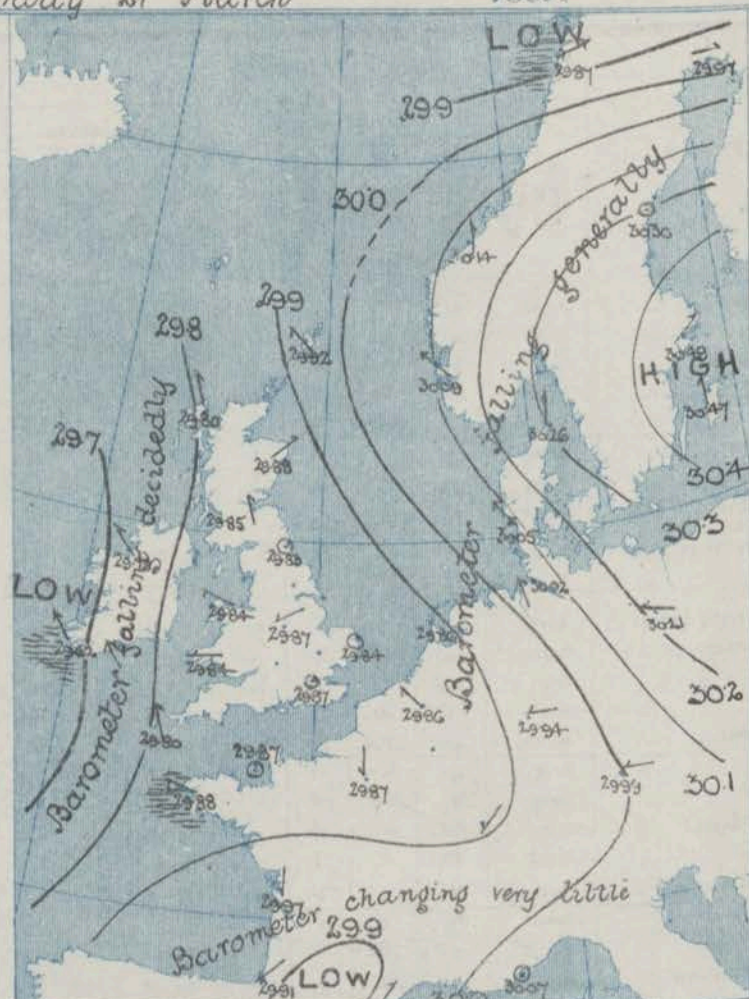
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roche's Point	29.936
Pembroke	29.942
Scilly	29.968
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.4 in. and upwards, in an anticyclone lying over the south of Sweden, but relatively high, 29.0 in. & upwards over Spain.  
Lowest, 29.4 in. & less, over the west of Ireland, but area of relatively low readings, 29.9 in. & less, lying over England & the north of France.

## TEMPERATURE

Highest, 54° at Linton, 48° at Birrilly, 45° at Nice & Perpignan and 41° at Valencia.  
Lowest 18° at Munich, 22° at Loughborough, 25° at Berlin and 27° at Hornsrand.  
Frost occurred generally last night; in London the thermometer on the grass fell to 20°

## WIND

Variable over the greater part of England and France; light NE<sup>ly</sup> in the west of France.  
SE<sup>ly</sup> elsewhere; moderate in force generally, but strong to a gale on the eastern shores of the North Sea & increasing in Ireland.

## WEATHER

Sun on our southwest coasts & also in the south of France, with rain at Birrilly and Nice.  
Snow showers falling along the east coasts of Great Britain and snow at Paris.  
Fog in most other localities, but misty or hazy in places.

## SEA

Rough at Bodo, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is falling generally; the anticyclone over Scandinavia is receding eastward and a depression is apparently advancing towards Ireland from the southwestward.

The approaching disturbance will probably occasion a considerable increase of wind from the SE<sup>ly</sup> on our western and northern coasts, with snow or sleet in many places, but our southeast districts are not likely to be materially affected at present.

## FORECASTS

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

### DISTRICTS.

### FORECASTS.

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

SE<sup>ly</sup> and SE<sup>ly</sup> winds, increasing in force; unsettled, some snow.  
.....D.....D.....D.....  
Same as N° 5.  
Same as N° 5.  
Same as N° 5.  
Variable breezes, finally SE<sup>ly</sup>; fair generally, but snow showers in places.

### DISTRICTS.

### FORECASTS.

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

### WARNINGS

SE<sup>ly</sup> and SE<sup>ly</sup> winds, freshening; fair to unsettled with some snow.  
.....D.....D.....D.....  
SE<sup>ly</sup> winds, freshening, cloudy, some snow.  
SE<sup>ly</sup> winds, increasing to a gale; unsettled, some sleet or cold rain.  
.....D.....D.....D.....  
The South Cone has been hoisted this morning in DISTRICTS 9 and 10.  
An asterisk is inserted against those districts in which the signals are now flying.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudeanaes ...	30.38	42	39	S 4	bm	3	Holyhead ...						
Sumburgh Head ...							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeneas ...						
Shields ...							London ...						*
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rochefort ...	30.01	41	38	E 4	0	2
Belmullet ...													

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

The reports for yesterday showed that a large anti-cyclone (in which the maximum readings exceeded 30.4 ins), covered the Baltic, Germany, Austria and the eastern part of the North Sea. This system had advanced somewhat quickly from the westwards, and in its rear (i.e. over Western Europe and the British Islands) the barometer was falling steadily but decidedly. Calm, N. air, dry weather and fog prevailed within the central area of this system, showers of snow in many parts of Germany, France and the south and east of England, and fine weather in the north-west and north. Temperature showed some tendency to rise at our western stations and in the Spanish peninsula but was nevertheless still very low generally; all the Continental 8 a.m. readings in Europe were below 60°, and those over Russia and Germany were very low indeed. The highest individual values recorded were 60° at Malta and Tunis, 58° at Brindisi and San Fernando, 57° at Cagliari, 52° at Barcelona and 50° at Naples; the lowest, 12° F at Uleaborg, 14° at Kuopio and at Munich, 15° at Archangel, 16° at Moscow, 18° at Haparanda, 21° at Brussels, 26° at Paris, 28° at Parsonstown 29° at Berlin and 31° in London.

During the day the anti-cyclone continued to move eastwards, and with a continued fall of the barometer gradients for S.E. winds became rather more general, and temperature began to rise decidedly in France and Portugal.

## SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 13<sup>TH</sup> TO THE 19<sup>TH</sup> MARCH 1887.

Throughout nearly the whole of this week the dominant pressure-system over the United Kingdom and its neighbourhood have been anti-cyclonic; the type of gradient has, however, been variable; and, at times shallow local depressions have appeared, causing snow, more or less, almost daily in the east and south, with variable winds. The chief of these disturbances appeared over the North Channel early on Monday, and passing southwards caused the heavy snow storms which occurred in the south of England on Tuesday, and (in conjunction with another system over the North Sea) the dense darkness which reigned over the Metropolis on Tuesday. Temperature has been very low, the air keen and dry.

At the beginning of the week pressure was highest off our western coast, whence a ridge spread south-eastwards to Belgium and Germany; it was down the eastern side of this ridge that the local depression, just mentioned, travelled. A second high-pressure system was formed over the Baltic later, and it was between these two systems that the two shallow depressions of Tuesday lay; when these passed away to the southward, a well-formed "Col" lay across the British Islands and North Sea, and while E. winds prevailed in the south and west, light S.W. winds appeared in the far north. With very slight modifications these conditions continued till Friday, at times the E. wind (which was very keen) freshened greatly in the south-east owing to the formation of a depression over the Gulf of Genoa, and a subsidiary system over North Germany.

On Friday the eastern high-pressure system gave way, while that in the west moved eastwards and spread rapidly. Saturday found this system covering the whole of North-Western Europe accompanied by cold dry weather, but moving steadily to the eastwards. The barometer was then falling, except in the north-east, and the fall was so decided and steady that it appeared likely that a change of weather would soon take place over North-western Europe generally.

## EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Tuesday 22<sup>nd</sup> March 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.		
	Baromet. at 3 <sup>rd</sup> P. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Baromet. Reading at 3 <sup>rd</sup> P. and Sea Level.	SHADE TEMP.		WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)			Dry.	Wet.	Dir.	Force. (0 to 12.)			Max.	Min.			
	Inch.	°				Inch.	°	°	°				°	°	Inch.		
SCANDINAVIA.																	
Haparanda ..	29.95	36	S	4	0	30.01	+0.09	27	26	- 6	SW	2	6c	*	39	21	-
Hernösand ...	30.22	36	SSW	2	6	30.12	-1.18	31	29	+ 4	S	6	c	*	32	21	-
Stockholm ...	30.31	29	SSW	4	6	30.10	-3.39	31	29	- 2	SE	6	0	*	39	19	-
Wisby ...	30.30	31	SE	6	6	30.08	-3.39	31	29	- 1	SSW	6	6c	*	41	27	-
Bodö ...	29.92	39	WSW	7	0	29.85	-0.02	38	31	- 7	EHE	4	6	2	?	?	-
Christiansund...	29.91	41	SE	3	6	29.67	-1.47	36	31	0	ESE	3	6c	4	46	32	-
Skudesnaes ...	29.86	38	ESE	7	0	29.63	-1.46	37	33	- 1	ESE	6	0	5	39	37	-
Christiania Fjord (Færder)	30.05	37	E	6	c	29.55	-1.51	30	30	- 2	SSW	6	5	3	37	28	-
Skagen (The Scaw)	29.98	34	SSW	6	6	29.77	-1.49	34	32	+ 1	S	4	0	3	37	32	-
Fanö ...	29.77	31	ESE	4	5	29.71	-1.34	34	32	+ 4	S	4	6	*	34	28	-
BRITISH ISLANDS.																	
Sumburgh Head	29.71	36	SE	4	0	29.38	-1.54	39	37	+ 3	SE	4	c	5	42	33	0.05
Stornoway ...	29.56	40	SSW	4	om	29.16	-1.64	37	35	- 3	SE	4	c	3	44	34	-
Wick ...	29.61	38	S	5	0	29.24	-1.60	36	34	- 3	S	6	OSP	5	45	34	0.05
Nairn ...	29.57	35	ESE	1	6c	29.24	-1.62	30	28	- 4	W	0	c	1	47	26	-
Aberdeen...	29.63	37	E	1	chsp	29.32	-1.56	37	33	+ 2	SSW	5	0	4	43	32	0.02
Leith ...	29.61	40	SE	1	c	29.27	-1.60	32	32	- 1	SE	1	OSP	*	41	28	0.03
Shields ...	29.64	36	W	0	om	29.33	-1.50	34	33	0	ESE	4	OSP	3	40	30	-
Spurn Head ...	29.79	34	SW	3	c	29.32	-1.50	36	36	+ 3	SE	7	OSP	4	37	38	0.34
York ...	29.68	36	SW	1	c	29.30	-1.55	34	33	+ 3	E	1	S	*	40	30	0.05
Loughborough	29.70	35	ESE	1	0	29.29	-1.58	35	35	+ 13	SE	3	om	*	37	22	0.11
ARDROSSAN.																	
Ardrossan ...	29.58	40	NE	2	c	29.19	-1.66	30	30	- 2	EHE	3	Sf	2	42	29	0.01
Malin Head ...	29.42	36	SE	4	om	29.04	-1.71	36	36	- 4	SSW	3	omh	2	44	32	0.02
Mullaghmore ...	29.37	40	SE	6	om	29.12	-1.63	42	40	+ 8	W	6	OSP	4	42	29	0.09
Belmullet ...	29.27	39	ESE	9	0	29.14	-1.53	41	39	+ 7	W	6	c	*	43	33	0.11
Donaghadee ...	29.57	38	SSW	5	6c	29.15	-1.67	38	38	+ 1	SSW	5	N	3	42	35	0.11
GERMANY.																	
Barrow-in-Furness	29.63	35	SE	4	0	29.23	-1.63	35	33	+ 3	ESE	5	0	*	40	31	0.01
Liverpool (Bidston)	29.63	35	SE	2	0	29.21	-1.64	34	33	+ 1	ESE	4	OS	3	38	32	0.09
Holyhead ...	29.59	37	SE	2	c	29.20	-1.64	41	41	+ 9	W	6	OSP	5	42	32	0.27
Parsonstown ...	29.39	38	SE	2	0	29.25	-1.52	40	39	+ 6	SW	1	c	*	42	33	0.05
Valencia ...	29.19	41	SE	8	OSP	29.36	-1.26	43	40	+ 2	N	4	6c	5	49	39	0.44
FRANCE & NETHERLANDS.																	
Roche's Point...	29.32	40	ESE	8	N	29.35	-1.39	42	40	+ 2	WSW	4	6	4	43	38	0.45
Pembroke ...	29.52	36	SE	6	0	29.36	-1.48	45	42	+ 11	W	7	6c	6	45	36	0.35
Scilly ...	29.42	43	SE	7	N	29.35	-1.25	47	44	+ 8	WSW	7	c	6	47	34	0.19
Prawle Point ...	29.62	38	SE	4	0	29.49	-1.36	46	44	+ 15	WSW	5	6c	5	46	30	0.14
Jersey ...	29.67	41	SE	3	omg	29.57	-1.30	48	46	+ 13	WSW	5	OSP	4	48	34	0.26
HURST CASTLE.																	
Hurst Castle ...	29.71	38	SSW	3	c	29.45	-1.42	44	43	+ 11	WSW	6	c	3	46	31	0.22
Dungeness ...	29.76	38	W	3	6	29.41	-1.45	42	42	+ 13	SW	5	c	4	42	28	0.09
London ...	29.74	38	SW	2	0	29.39	-1.48	46	44	+ 16	WSW	3	0	*	46	30	0.03
Oxford ...	29.67	36	SE	3	0	29.37	-1.50	43	41	+ 12	SW	4	OSP	*	43	31	0.04
Cambridge ...	29.74	33	WSW	1	0	29.35	-1.51	40	40	+ 11	S	1	0	*	42	28	0.10
Yarmouth ...	29.74	37	S	2	6c	29.43	-1.41	37	37	+ 5	SSW	6	OSP	5	40	31	0.06
Cuxhaven ...	29.85	26	SSW	4	S	29.74	-1.28	36	36	+ 4	S	1	6	*	38	?	-
Berlin ...	29.96	36	SE	3	6	29.88	-1.33	36	35	+ 11	SSW	2	6c	*	39	?	-
Wiesbaden ...	*	*	*	*	*	29.82	-1.12	35	33	0	W	0	N	*	39	32	0.16
Munich ...	29.92	34	W	3	6	29.93	-0.06	36	34	+ 18	SE	3	c	*	37	18	-
NETHERLANDS.																	
The Helder ...	29.75	34	SSW	1	6	29.60	-1.26	33	32	- 1	SE	1	f	1	39	30	-
Brussels ...	*	*	*	*	*	29.57	-1.29	37	37	+ 4	SSW	7	N	*	39	30	0.08
Cape Gris Nez...	29.75	36	WSW	4	c	29.42	-1.40	39	38	+ 8	S	5	0	4	43	30	0.04
Paris ...	29.86	34	SSW	3	6c	29.63	-1.24	43	43	+ 11	SSW	4	c	*	?	32	0.16
Brest ...	29.54	44	SE	9	N	29.66	-1.22	47	44	+ 13	WSW	5	0	5	?	?	0.16
Lorient ...	29.65	43	S	8	f	29.69	-1.20	46	45	+ 12	W	4	c	4	46	30	0.32
Rocheport ...	29.81	52	SE	4	0	29.84	-1.13	50	49	+ 14	W	7	0	2	61	?	0.12
Belfort ...	29.89	39	SW	1	0	29.82	-0.07	37	36	+ 2	E	1	N	*	40	32	0.04
Lyons ...	29.92	44	S	7	6	29.87	-0.02	48	45	+ 2	SSW	5	N	*	53	44	-
Nice ...	29.99	49	E	1	0	30.05	-0.02	46	45	0	W	0	N	1	54	43	-
PERPIGNAN.																	
Perpignan ...	29.88	56	SE	1	0	29.93	+0.02	52	51	+ 6	W	1	0	*	62	?	-
Biarritz ...	29.76	60	SW	5	0	29.96	+0.05	55	52	+ 7	W	7	c	1	66	?	0.08
PORTUGAL.																	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lisbon ...	30.00	58	WSW	5	N	30.20	+1.19	54	53	0	WSW	4	6	5	59	52	0.47

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

Tuesday, 22<sup>nd</sup> March

1887.

## BAROMETER, WIND & SEA.

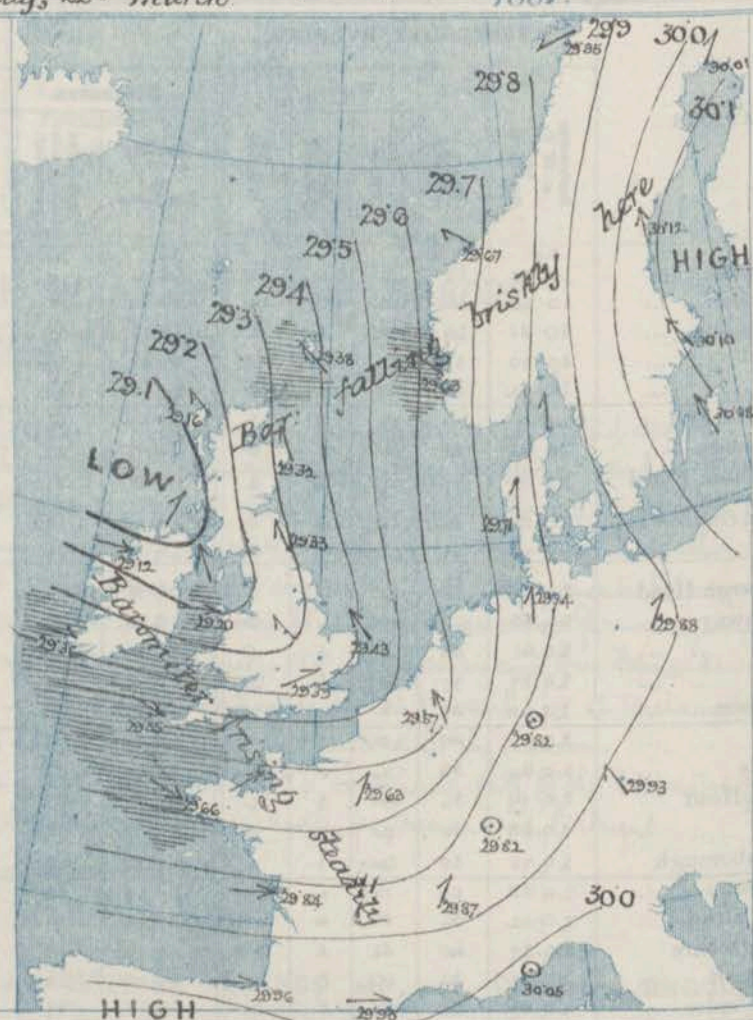
(Explanation of Map.)

**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 March  
 During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.851
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roche's Point	29.936
Pembroke	29.942
Scilly	29.968
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



## 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 March.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.09
Valencia	51.8	40.8	45.6	43.6	4.24
Roche's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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





## GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.2 ins: at Dublin, but also high 30.1 ins: and upwards over the Baltic and Gulf of Bothnia. Lowest, 29.1 ins: and less, in a V-shaped depression having its centre off the north of Ireland. The trough of the depression extends south-eastwards over the North Sea and England.
TEMPERATURE	Highest, 55° at Biarritz, 54° at Dublin, 52° at Lerpignan, 50° at Rochefort, and 48° at Jersey and Lyons. Lowest, 27° at Haparanda, 30° at Fardur, Kavin, and Androsan, and 31° at Hermand, Stockholm and Nisby.
WIND	Strong from SE. on our north and east coasts, and also on the eastern shores of the North Sea. Strong from W. on our west and south coasts and also over the Bay of Biscay. A fresh to strong SE gale was experienced in Ireland yesterday.
WEATHER	Fair in Scandinavia and the south of our Islands. Cloudy elsewhere, with rain in many places, and snow over the north of Scotland and north of England. Since yesterday morning rain or sleet has fallen over the greater part of the Kingdom.
SEA	Rough or rather so on all but our northwest and northeast coasts.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now rising again at all but our western and southern stations, as well as in France, but in the north it continues to fall steadily.

The depression noticed above seems likely to travel northwards or north-eastwards, and milder weather will probably extend to our northern districts.

Conditions are still very unsettled and squally showers is probable in most parts of the Kingdom.

## FORECASTS

for the 24 hours ending at NOON on 23<sup>rd</sup> March. 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SE <sup>2</sup> and S <sup>2</sup> winds, strong, perhaps a gale; cloudy with some snow then finer and milder.	6 SCOTLAND WEST	SE <sup>2</sup> to SW <sup>2</sup> winds, strong; dull, some sleet or drizzle rain.
1 SCOTLAND EAST	----- D° ----- D° ----- D° -----	7 ENGLAND N. W.	----- D° ----- D° ----- D° -----
2 ENGLAND N. E.	----- D° ----- D° ----- D° -----	8 ENGLAND S. W.	W <sup>2</sup> winds, strong and squally; changeable, some showers.
3 ENGLAND EAST	SE <sup>2</sup> and S <sup>2</sup> winds, strong to moderate; squally, some showers.	9 IRELAND NORTH	----- D° ----- D° ----- D° -----
4 MIDLAND COUNTIES	Same as N° 5	10 IRELAND SOUTH	----- D° ----- D° ----- D° -----
5 ENGLAND SOUTH	SW <sup>2</sup> winds, strong and squally; changeable, some showers.	WARNINGS	The S. Cone was hoisted yesterday on all our coasts, and the signals are still flying.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeanaes ...	29.98	39	33	ESE 8	S	5	Holyhead ...	29.71	41	36	S 1	b	1
Sumburgh Head	29.80	39	37	SE 4	0	4	Valencia ...	29.39	41	40	SE 8	n	6
Stornoway ...	29.66	44	39	S 4	b	4	Scilly ...	29.61	41	37	SSE 7	0	6
Aberdeen ...	29.73	40	37	E 3	c	3	Dungeness ...	29.79	41	38	W 3	bc	2
Shields ...	29.71	39	36	E 1	c	3	London ...	29.77	41	36	W 1	bc	*
Ardrossan ...	29.69	42	38	SSE 2	b	2	Yarmouth ...	29.77	39	35	W 1	bc	3
Malin Head ...	29.56	40	40	SE 4	c	3	Jersey ...	29.80	41	37	SSE 2	b	2
Mullaghmore ...	29.55	40	35	SE 5	om	4	Rocheport ...	29.95	53	46	S 1	c	2
Belmullet ...	29.47	41	36	SSE 8	c	*							

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

Yesterday morning's reports showed that the large anticyclone recently observed had reached Central Russia, and that reading varied from a little above 30.5 ins. in that region to a little above 29.7 ins. over the west of Ireland. Some irregularity in the gradients (which were moderate over Germany and the Baltic) were noticed over the United Kingdom and the barometer was falling decidedly on our western coasts. The wind was veering to SE. or S. over the greater part of the Continent, and was increasing in force on our western coasts; the thermometer was rising in the west, but remained very low over Central and Northern Europe, and showers of rain were reported in several parts of the British Isles, and of snow in France and on our east coasts. Temperature varied from 50° or more over the Mediterranean generally and the coast of Spain to rather below the freezing point in the north of France, and to several degrees below over Germany, Austria-Hungary and Russia. The highest individual values were 53° at Cagliari, Algiers and Palma, 52° at Biskra (Algeria) and Malta, 51° at Boudjira, 50° at San Fernando, 49° at Oporto, 48° at Lisbon, Corunna and Barcelona, and 47° at Sanguinaria and Bilbao; the lowest were 2° at Archangel, 6° at Lemberg, 9° at Moscow, 10° at Kazan, 13° at Warsaw and Kiev, 16° at St. Petersburg, 18° at Munich, 22° at Loughborough, 25° at Berlin, 29° at Cambridge, 30° in London and 32° at Paris.

Later in the day S. winds became more general in the British Isles, temperature continued to rise, the weather became showery, and the frost so long prevalent then came to an end.

### 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 23<sup>rd</sup> MARCH 1887.  
 Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ..	29.91	23	SW	2	b	29.84	-.17	27	26	0	S	4	0	*	26	21	-		
Hernösand ...	29.93	32	SSW	4	0	29.79	-.33	30	32	+ 2	S	2	0	*	37	28	-		
Stockholm ...	29.90	33	SSE	4	0	29.66	-.44	33	32	+ 2	SSE	2	f	*	36	27	-		
Wisby ...	29.94	34	SSE	4	0	29.75	-.33	35	33	+ 4	SSE	4	0	*	41	27	0.04		
Bodö ...	29.66	35	ENE	4	b	29.59	-.26	31	28	- 2	ENE	4	b	2	39	28	-		
Christiansund...	29.50	35	ESE	2	b	29.35	-.32	38	33	+ 2	ESE	3	b	4	44	32	-		
Skudesnaes ...	29.46	40	SE	7	0	29.30	-.33	39	38	+ 2	SE	8	r	5	41	37	-		
Christiania Fjord (Færder)																			
Skagen (The Scaw)	29.60	35	S	4	0	29.54	-.23	35	34	+ 1	SSW	3	0	2	36	34	0.04		
Fanö ...	29.54	36	S	4	b	29.51	-.20	36	36	+ 2	S	4	c	*	37	32	0.29		
BRITISH ISLANDS.																			
Sumburgh Head	29.24	39	SSE	4	r	29.05	-.33	41	40	+ 2	SSE	2	bc	4	42	33	0.11		
Stornoway ...	29.04	42	SE	4	c	28.94	-.22	38	38	+ 1	S	4	c	4	43	35	0.14		
Wick ...	29.12	40	S	6	0	29.01	-.23	42	40	+ 6	S	4	ow	3	43	35	0.05		
Nairn ...	29.13	38	Z	0	0	29.01	-.23	37	35	+ 7	Z	0	c	0	39	28	-		
Aberdeen...	29.19	36	SSW	1	0	29.06	-.26	41	40	+ 4	S	1	ow	3	41	34	0.10		
Leith ...	29.21	41	SW	1	c	29.05	-.22	39	39	+ 7	Z	0	ormg	*	42	31	0.15		
Shields ...	29.28	42	SW	1	c	28.95	-.38	41	41	+ 7	E	2	r	3	43	33	0.16		
Spurn Head ...	29.41	43	WSW	5	b	28.88	-.44	43	43	+ 7	SSE	6	rmg	4	47	34	0.21		
York ...	29.38	44	SW	2	bc	28.89	-.41	44	44	+ 10	SSE	1	r	*	47	33	0.54		
Loughborough	29.47	44	WSW	3	c	28.87	-.42	47	46	+ 12	WSW	4	rg	*	51	35	0.30		
Ardrossan ...	29.20	43	SSW	2	b	29.06	-.13	40	40	+ 10	S	1	o	2	43	30	0.16		
Malin Head ...	29.09	42	SW	4	b	29.03	-.01	40	40	+ 4	SW	3	ohp	3	47	36	0.14		
Mullaghmore ...	29.15	42	SW	6	c	29.13	+ .01	40	38	- 2	W	6	cpq	5	49	37	0.05		
Belmullet ...	29.12	44	SW	8	c	29.16	+ .02	40	38	- 1	WNW	7	bc	*	46	37	0.08		
Donaghadee ...	29.25	43	SSW	4	bc	29.11	-.04	39	39	+ 1	WNW	4	c	2	49	37	0.43		
Barrow-in-Furness	29.34	43	SW	4	bc	28.97	-.26	39	39	+ 4	NW	4	r	*	46	33	0.94		
Liverpool (Bidston)	29.38	43	SW	5	b	28.99	-.22	40	39	+ 6	WNW	7	r	5	48	34	0.36		
Holyhead ...	29.36	45	SW	5	c	29.13	-.07	42	41	+ 1	WNW	6	cg	5	48	40	0.77		
Parsonstown ...	29.27	45	SSW	1	c	29.28	+ .03	39	37	- 1	W	1	bc	*	50	36	0.16		
Valencia ...	29.21	46	SSE	4	r	29.40	+ .04	44	41	+ 1	W	5	bc	5	53	41	0.36		
Roche's Point...	29.32	45	SW	4	r	29.39	+ .04	42	40	0	W	4	b	4	47	40	0.75		
Pembroke ...	29.43	45	SW	5	0	29.32	-.04	44	40	- 1	WNW	7	bc	6	47	40	0.55		
Scilly ...	29.47	49	SSW	5	0	29.48	-.07	47	44	0	WNW	7	c	7	53	44	0.50		
Prawle Point ...	29.69	47	W	5	0	29.37	-.12	45	43	- 1	W	6	cpq	7	48	40	0.10		
Jersey ...	29.71	47	SW	5	0	29.44	-.13	47	45	- 1	W	7	ow	5	50	44	0.23		
GERMANY.																			
Hurst Castle ...	29.64	44	WSW	6	c	29.24	-.21	45	43	+ 1	W	9	c	6	48	43	0.33		
Dungeness ...	29.63	44	WSW	5	r	29.10	-.31	47	46	+ 5	WSW	7	cgr	6	49	42	0.19		
London ...	29.60	44	WSW	6	ap	29.00	-.39	48	46	+ 2	SW	8	og	*	54	44	0.20		
Oxford ...	29.57	47	SW	3	r	28.98	-.39	47	45	+ 4	SW	8	pg	*	51	43	0.16		
Cambridge ...	29.54	44	SW	2	c	28.91	-.44	47	47	+ 7	S	3	r	*	54	39	0.10		
Yarmouth ...	29.51	46	WNW	4	bc	29.02	-.41	46	45	+ 9	S	6	rg	5	52	36	0.18		
Cuxhaven ...	29.61	40	S	3	r	29.59	-.15	39	38	+ 3	S	3	o	*	43	?	0.20		
Berlin ...	29.80	38	SW	3	r	29.80	-.08	39	39	+ 3	SSW	2	b	*	46	3	0.24		
Wiesbaden ...	*	*	*	*	*	29.76	-.06	38	37	+ 3	Z	0	o	*	39	32	0.24		
Munich ...	*	*	*	*	*									*					
FRANCE & NETHERLANDS.																			
The Helder ...	29.59	40	SW	4	b	29.28	-.32	40	39	+ 7	SSE	7	r	3	45	?	0.12		
Brussels ...	*	*	*	*	*	29.38	-.19	47	45	+ 10	SSW	8	o	*	51	?	0.24		
Cape Gris Nez...	29.66	44	W	7	c	29.21	-.21	47	46	+ 8	SSW	9	r	7	?	37	0.08		
Paris ...	29.83	49	SSW	1	bc	29.58	-.05	50	47	+ 7	SSW	8	o	*	56	?	0.16		
Brest ...	29.54	44	SE	9	r	29.58	-.08	47	45	0	NN	7	o	7	50	?	0.47		
Lorient ...	?	49	?	4	0	29.59	-.10	48	46	+ 2	WNW	8	o	6	52	43	0.51		
Rochefort ...	30.01	51	SW	7	0	29.34	-.00	57	50	+ 1	SW	8	o	3	57	43	0.12		
Belfort ...	29.93	44	SW	2	0	29.84	+ .02	41	40	+ 4	S	7	r	*	49	35	0.16		
Lyons ...	30.01	50	S	1	c	29.95	+ .08	48	47	0	S	5	r	*	57	43	0.08		
Nice ...	30.06	46	S	1	f	30.13	+ .08	45	43	- 1	Z	0	o	0	50	41	-		
Perpignan ...	30.05	61	NW	5	c	30.02	+ .09	48	46	- 4	NW	1	o	*	66	43	-		
Biarritz ...	30.05	57	E	4	0	29.97	+ .01	58	54	+ 3	SW	4	o	5	63	54	0.08		
PENINSULA.																			
Corunna ...	*	*	*	*	*									*					
Lisbon ...	30.25	57	SW	4	0	30.23	+ .03	57	56	+ 3	SSW	3	o	3	61	?	-		

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on WEDNESDAY 23<sup>rd</sup> March.

## 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.

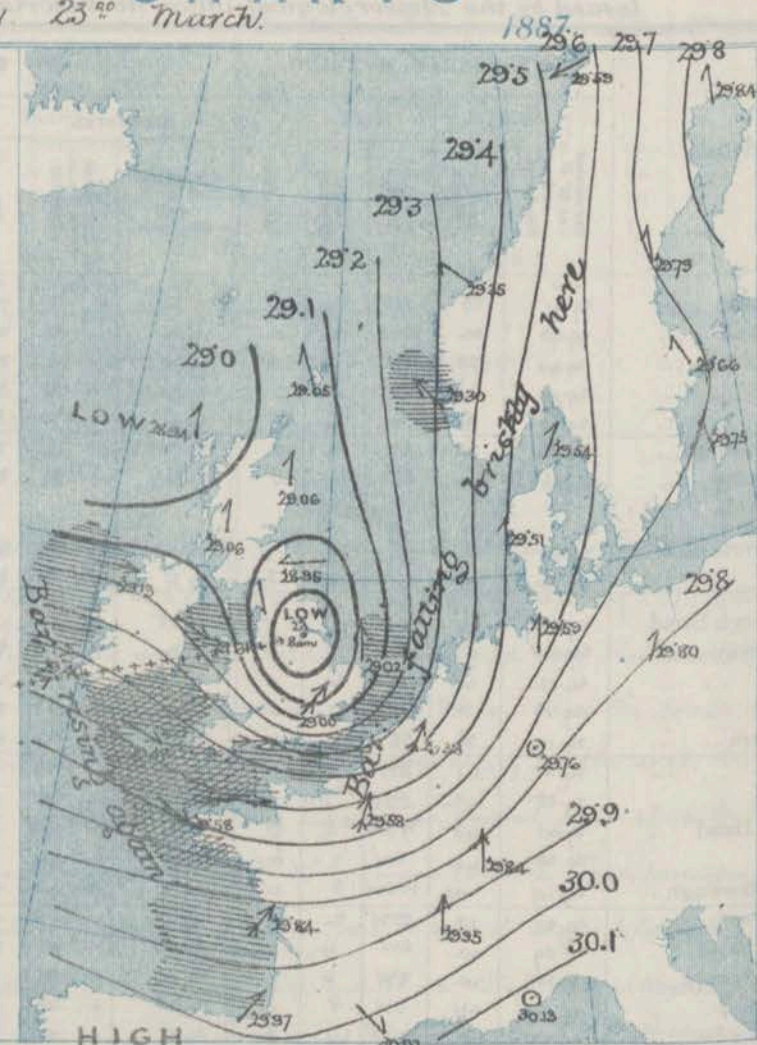
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

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	in.
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Stornoway	29.780
Wick	29.801
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Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roche's Point	29.936
Pembroke	29.942
Scilly	29.968
Hurst Castle	29.959
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



## 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 March.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	40.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.50
Donaghadee	47.4	37.4	41.3	40.0	1.09
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.60
Valencia	51.8	40.8	45.6	43.6	4.24
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Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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





## GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.2 ins and upwards in the neighbourhood of Lisbon, but relatively high 29.8 ins and upwards over the Gulf of Bothnia. Lowest, 28.9 ins and less in the centre of a depression lying over the north of England, — also low 29.0 ins and less over the north-west of Scotland.
TEMPERATURE	Highest, 58° at Decritz, 57° at Lisbon, 61° at Rochefort and 48° in London and at Lorient. Lowest, 27° at Kuparanda, 31° at Rode and 33° at Helsingfors and Stockholm; lowest in our islands 37° at Naism.
WIND	Strong from W on our western coasts; gales from W or SW over the Channel, the Bay of Biscay and the south of England. Strong from S in the east of England; light or moderate from the same quarter in Scotland.
WEATHER	Rainy in the north and east of England and showery at many of our north-western and south-western stations. Fine in the south of Ireland, and also in the west of Scandinavia. Since yesterday morning rain has fallen generally — heavily at some of our western stations.
SEA	High in the Channel and rather rough on our western and south-eastern coasts, as well as in the Bay of Biscay.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The "V-shaped" depression whose centre lay off the north of Ireland yesterday has moved slowly northwards, but in the course of the night a well-defined and deep subsidiary disturbance has advanced in an east-north-easterly direction to the north of England.

The barometer is now rising again in the west, and the depression over the north of England will probably move away in an easterly direction. Conditions are, however, still very unsettled, the wind is inclined to back in the south of Ireland and further disturbances may possibly appear off our western coasts shortly.

ERRATA. In the remarks on page 3 of yesterday's report referring to "Probable changes in the system now prevalent", the word "but" should be erased from the first line, and the word "weather" inserted after "generally showery" in the last line.

## FORECASTS

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

### DISTRICTS.

### FORECASTS.

0 { SCOTLAND NORTH	S <sup>ly</sup> winds, light or moderate, fair generally, but some showers.
1 { SCOTLAND EAST	— D° ————— D° —————
2 { ENGLAND N.E.	S <sup>ly</sup> winds, shifting to W or NW; squally and rainy to fair.
3 { ENGLAND EAST	— D° ————— D° —————
4 { MIDLAND COUNTIES	Same as N° 5.
5 { ENGLAND SOUTH	W <sup>ly</sup> and SW <sup>ly</sup> gales, moderating gradually; squally and showery to fair.

### DISTRICTS.

### FORECASTS.

6 { SCOTLAND WEST	Same as N° 0.
7 { ENGLAND N.W.	Strong W <sup>ly</sup> winds, backing later; squally, some showers.
8 { ENGLAND S.W.	— D° ————— D° —————
9 { IRELAND NORTH	W <sup>ly</sup> to SW <sup>ly</sup> or S <sup>ly</sup> winds, fair to unsettled and some rain.
10 { IRELAND SOUTH	— D° ————— D° —————

### WARNINGS

The S. cone is still flying in all districts excepting Nos 9 and 10, but the signals come down either this afternoon or evening.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Ses.		Bar.	Dry.	Wet.	Wind.	Wes.	Ses.
Skudeanaes ...	29.54	40	36	ESE 8	0	5	Holyhead ...	29.37	48	43	SW 4	bhp	4
Sumburgh Head ...	29.28	40	37	SSE 4	0	5	Valencia ...	29.35	50	46	SW 6	cm	5
Stornoway ...	29.10	37	37	SE 4	r	4	Scilly ...	29.59	49	48	WSW 5	r	6
Aberdeen ...	29.21	40	38	SSE 6	r	6	Dungeness ...	29.55	48	46	WSW 5	bc	5
Shields ...	29.21	38	38	S 3	mosp	3	London ...	29.55	50	47	W 5	cq	*
Ardrossan ...	29.19	38	38	E 2	0	2	Yarmouth ...	29.44	48	44	WSW 5	cq	4
Malin Head ...	29.12	45	45	WSW 3	bc	3	Jersey ...	29.73	49	46	WSW 5	c	4
Mullaghmore ...	29.19	49	42	SW 6	cq	6	Rochefort ...	29.98	55	50	WNW 7	bc	2
Belmullet ...	29.17	46	43	WSW 7	cpw	*							

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

Yesterday morning's reports showed that while the high-pressure area noticed over Central Russia on Monday had begun to move south-eastwards, a well marked "V" shaped depression had been formed over the British Isles, and that notwithstanding a temporary recovery of pressure in some places its general tendency was to decrease decidedly over NW Europe. Strong S<sup>3</sup> and SE<sup>3</sup> winds were felt over the Baltic, Scandinavia and Scotland, and strong W<sup>2</sup> winds over Ireland, the English Channel and France. The thermometer was rising except over Russia, the sky was cloudy, and in all parts of the British Isles and France as well as in the western parts of Germany showery weather had become general. Temperature varied from 63° in the NW. of Algeria, and from between 50° and 60° over the Spanish Peninsula, the Mediterranean and the southwest of France to between 35° and 45° over the United Kingdom, and to several degrees below the freezing point at the Hungarian, Russian, and Baltic stations. The highest individual readings reported were 63° at Oran, 59° at San Fernando, 57° at Cagliari, Brindisi, and Bilbao, 55° at Forogna and Langunaine, 54° at Lisbon, 51° at Rome and Naples, and 47° at Scilly; the lowest 15° at Kiev and Arkharov, 18° at Moscow, 19° at Archangel, 21° at Lemberg, 22° at Memel and 24° at Newdahrwasser, St. Petersburg and Odessa.

In the course of the day the barometer began to fall fast again in Ireland, a small but deep depression came over the United Kingdom from the SW<sup>2</sup> and the area of mild weather spread considerably to the eastward.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Thursday 24<sup>th</sup> March 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 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 3 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 ...	29.78	26	Z	0	0	29.77	- .07	28	27	+ 1	Z	0	0	*	30	16	-													
Hernösand ...	29.69	33	Z	0	0	29.62	- .17	31	30	- 2	E	2	S	*	36	30	0.04													
Stockholm ...	29.62	33	ESE	2	n	29.49	- .17	36	36	+ 3	E	2	g	*	36	30	0.08													
Wisby ...	29.62	35	SE	4	g	29.42	- .33	36	35	+ 1	SSE	4	n	*	39	30	0.08													
Bodö ...	29.49	33	ESE	2	b	29.49	- .10	34	31	+ 3	ESE	2	b	1	37	30	-													
Christiansund...	29.34	41	ESE	3	bc	29.18	- .17	40	35	+ 2	NE	1	b	3	46	34	-													
Skudesnaes ...	29.13	43	ESE	6	0	29.08	- .22	40	37	+ 1	SE	8	0	5	46	39	-													
Christiania Fjord (Fjorder)	29.41	36	NE	6	0	29.23	-	34	34	-	ESE	6	S	2	36	34	-													
Skagen (The Scaw)	29.16	38	SSE	5	0	29.18	- .86	36	36	+ 1	NEW	1	0	1	?	44	0.28													
Fanö ...	29.13	38	SSE	4	0	29.37	- .14	39	38	+ 3	NEW	6	b	*	43	36	0.24													
BRITISH ISLANDS.																														
Sumburgh Head	29.05	41	SSE	3	0	28.98	- .07	42	40	+ 1	Z	0	c	4	45	35	0.17													
Stornoway ...	28.85	43	SSE	6	c nsp	28.98	+ .04	40	40	+ 2	SEW	4	c	8	45	36	0.24													
Wick ...	29.01	42	S	3	b	29.00	- .01	39	38	- 3	W	1	b	0	45	36	-													
Nairn ...	29.01	42	W	1	bc	29.05	+ .04	40	37	+ 3	NEW	3	bc	2	50	35	-													
Aberdeen...	29.06	43	W	1	b	29.10	+ .04	41	38	0	NEW	4	b	1	48	35	0.17													
Leith ...	29.11	43	NEW	3	bc	29.21	+ .10	41	38	+ 2	W	3	bm	*	48	37	0.12													
Shields ...	29.20	44	NEW	4	bc	29.32	+ .37	41	38	0	SW	3	0	2	48	37	0.16													
Spurn Head ...	29.32	44	W	5	b	29.47	+ .59	41	39	- 2	SW	6	b	4	46	35	0.10													
York ...	29.31	45	W	5	b	29.46	+ .57	41	38	- 3	S	2	bc	*	49	37	0.21													
Loughborough	29.43	45	W	5	b	29.55	+ .68	41	38	- 6	NEW	4	b	*	50	37	0.07													
Ardrossan ...	29.15	45	NEW	4	c	29.25	+ .19	41	38	+ 1	SW	7	b	5	46	38	0.03													
Malin Head ...	29.05	43	W	5	0	29.18	+ .15	40	40	0	NEW	5	og/p	6	45	35	0.35													
Mullaghmore ...	29.25	45	NEW	8	cq/p	29.32	+ .19	40	39	0	NEW	6	c/p	6	47	36	0.22													
Belmullet ...	29.30	44	W	7	bc	29.35	+ .19	43	39	+ 3	NEW	7	chp	*	47	38	0.15													
Donaghadee ...	29.25	43	WNW	5	c	29.33	+ .22	39	38	0	NEW	5	b	3	44	37	-													
GERMANY.																														
Barrow-in-Furness	29.33	43	SW	4	b	29.40	+ .43	42	39	+ 3	NEW	5	c	*	46	39	0.01													
Liverpool (Bidston)	29.36	44	NEW	7	b	29.47	+ .48	43	39	+ 3	SW	3	0	3	47	38	0.02													
Holyhead ...	29.39	45	SW	5	cq/p	29.45	+ .32	42	40	0	SW	5	cq	5	48	40	0.01													
Parsonstown ...	29.43	42	NEW	3	0	29.46	+ .18	37	36	- 2	SW	1	bc/p	*	47	35	0.26													
Valencia ...	29.58	45	W	6	chq/p	29.56	+ .16	43	41	- 1	WNW	5	bcq	5	49	40	0.24													
Roche's Point...	29.56	42	W	5	bcq/p	29.55	+ .16	42	40	0	W	4	bc/p	4	46	39	0.15													
Pembroke ...	29.53	45	NEW	6	bc	29.54	+ .22	43	41	- 1	NEW	6	op	6	47	42	0.05													
Scilly ...	29.70	47	WNW	7	c	29.72	+ .24	47	45	0	W	6	c	6	50	43	0.03													
Prawle Point ...	29.68	45	NEW	4	bc	29.70	+ .33	45	43	0	NEW	5	bcq/p	5	50	40	0.11													
Jersey ...	29.74	46	NEW	5	b	29.78	+ .34	44	43	- 3	NEW	5	ogm	4	50	42	0.01													
FRANCE & NETHERLANDS.																														
Hurst Castle ...	29.63	44	NEW	6	b	29.70	+ .46	44	43	- 1	NEW	5	bc	5	50	40	-													
Dungeness ...	29.66	44	WNW	6	b	29.68	+ .58	43	43	- 4	W	4	bc	3	55	40	-													
London ...	29.65	47	WNW	5	b	29.67	+ .67	44	41	- 4	SW	4	b	*	52	38	-													
Oxford ...	29.68	42	NEW	5	b	29.64	+ .66	42	40	- 5	SW	3	bc	*	50	37	0.34													
Cambridge ...	29.60	44	W	3	b	29.60	+ .69	43	41	- 4	SW	3	b	*	52	35	-													
NETHERLANDS.																														
Yarmouth ...	29.39	45	W	6	bcq	29.58	+ .56	41	38	- 5	NEW	5	b	4	48	36	0.08													
Cuxhaven ...	29.30	40	SW	8	n	29.53	- .06	39	38	0	SW	5	m	*	44	27	0.58													
Berlin ...	29.49	44	SW	3	c	29.70	- .10	42	40	+ 3	SW	3	bc	*	52	39	0.08													
Wiesbaden ...	*	*	*	*	*	29.86	+ .15	37	36	- 1	W	2	b	*	50	32	0.43													
Munich ...	29.76	40	W	1	n	29.94	-	41	39	-	SW	3	0	*	50	37	0.24													
GERMANY.																														
The Helder ...	29.44	41	NEW	5	b	29.60	+ .32	40	39	0	NEW	3	b	3	46	37	0.20													
Brussels ...	*	*	*	*	*	29.76	+ .38	41	39	- 6	NEW	4	b	*	51	38	0.08													
Cape Gris Nez...	29.62	41	SW	8	b	29.72	+ .51	43	42	- 4	W	5	b	4	48	37	0.08													
Paris ...	29.75	51	WNW	4	bc	29.89	+ .31	?	?	?	S	1	bc	*	57	37	0.20													
Brest ...	29.83	48	W	4	0	29.82	+ .24	46	44	- 1	WNW	5	0	5	52	45	-													
FRANCE & NETHERLANDS.																														
Lorient ...	29.85	48	W	7	bc	29.87	+ .28	47	46	- 1	W	3	0	5	54	46	0.04													
Rocheport ...	29.95	52	NEW	8	b	29.97	+ .13	50	50	- 1	SW	5	g	2	55	45	0.16													
Belfort ...	29.91	50	SEW	4	n	29.93	+ .09	48	45	+ 7	SW	3	0	*	55	39	0.43													
Lyons ...	29.91	51	S	5	0	30.00	+ .05	49	48	+ 1	E	1	0	*	52	46	0.04													
Nice ...	30.05	50	SW	4	0	29.90	- .23	55	48	+ 10	Z	0	bc	2	55	37	-													
NETHERLANDS.																														
Perpignan ...	30.04	58	Z	0	0	30.05	+ .03	54	52	+ 6	NE	1	0	*	64	?	0.08													
Biarritz ...	30.03	56	N	4	0	29.97	00	54	53	- 4	ESE	4	0	6	64	52	0.12													
NETHERLANDS.																														
Corunna ...	*	*	*	*	*	29.99	+ .05	59	57	+ 3	SW	5	0	4	61	52	0.63													
Lisbon ...	30.23	58	SW	3	0	30.14	- .09	56	56	- 1	SEW	1	n	2	61	53	-													

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



# WEATHER CHARTS

for 8 a.m. on

Thursday, 24<sup>th</sup> March.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

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

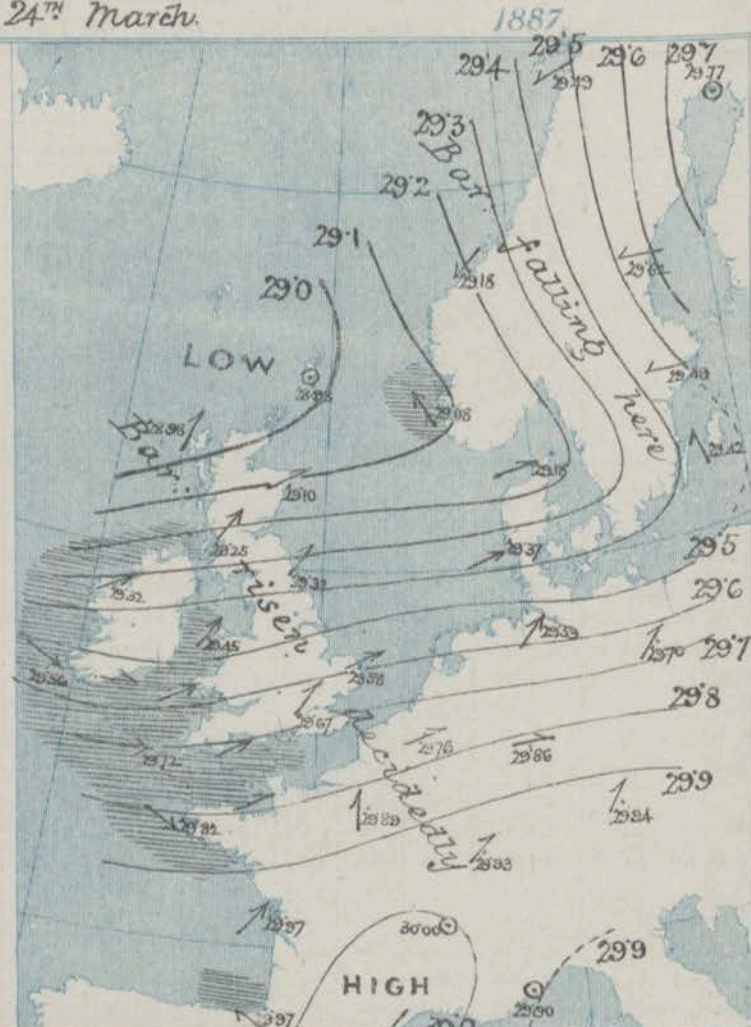
■ = Rough. ■ = high.

## MEAN HEIGHT of the BAROMETER

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

During the 10 Years 1871–1880.

STATIONS.	MEAN READINGS
	in.
Samburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roche's Point	29.936
Pembroke	29.942
Selly	29.968
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



## 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.

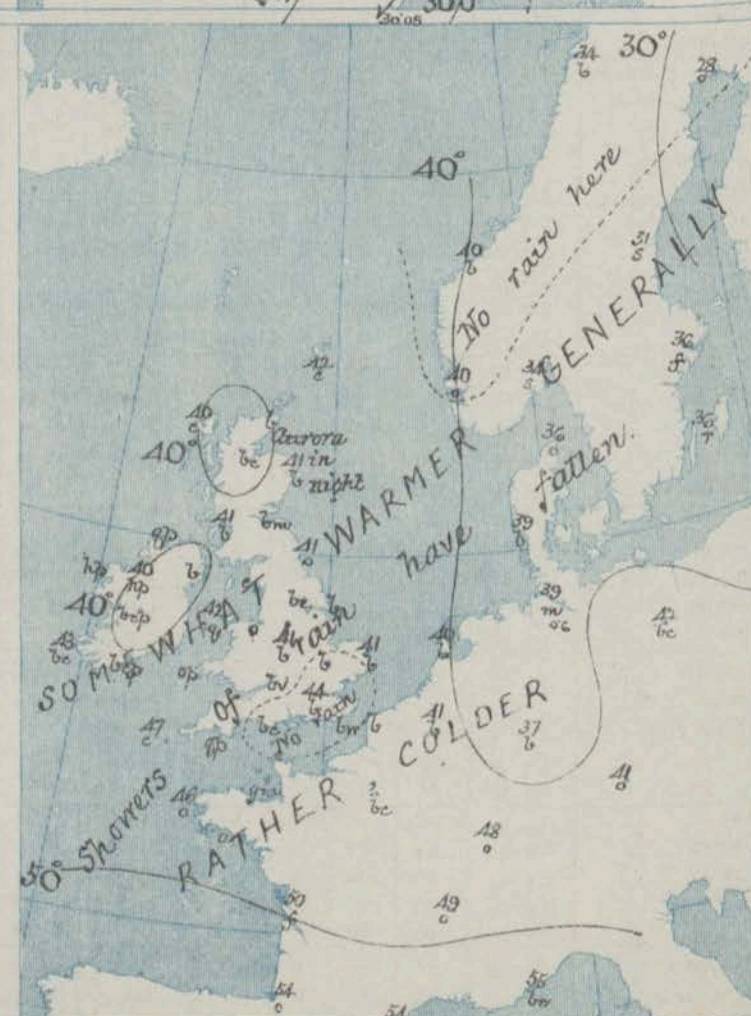
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	Dry	Wet.	
Samburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.2	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.65
Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.69
Valencia	51.8	40.8	45.6	43.6	4.24
Roche's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Selly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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 Portugal, but relatively high, 29.7 in: and upwards, over the Gulf of Bothnia.  
Lowest, 29.0 in: and less, in a large area lying to the northward or northwardward of our Islands.

## TEMPERATURE

Highest, 56° at Lisbon, 55° at Nice, and 54° at Biarritz and Perpignan, highest in our Islands 47° at Scilly.  
Lowest, 28° at Haparanda, 31° at Helsingfors, 34° at Reims and Tander, and 37° at Paris-Montparnasse.

## WIND

E<sup>2</sup> in Scandinavia, strong to gale in the south of Norway.  
SW or W elsewhere; moderate in force on our N and E coasts, but fresh or strong in the west and south.

## WEATHER

Dull in France, Sweden, and the south of Norway, with snow at Helsingfors and Tander.  
Showery at several of our western and south-western stations, but fine in the north and east of our Islands.  
Brilliant Aurora was seen last night at Aberdeen.

## SEA

Rough or rather so on our western and southern coasts and also at Skudenes, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday off the west of Scotland has moved slowly northwards, while the deep subsidiary disturbance over the north of England has travelled in a north-easterly direction to the north of Denmark, where it is apparently dispersing.

There is at present no sign of the advance of any new depression of importance, but shallow systems are lying over our western coasts and showery weather is probable in most parts of the Kingdom.

## FORECASTS

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

### DISTRICTS.

### FORECASTS.

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

SW<sup>2</sup> winds, moderate or fresh; fair generally but some showers.  
D<sup>o</sup> D<sup>o</sup> D<sup>o</sup>  
D<sup>o</sup> D<sup>o</sup> D<sup>o</sup>  
Same as No 5.  
Same as No 5.  
SW<sup>2</sup> and W<sup>2</sup> winds, fresh and gusty; changeable, some showers.

### DISTRICTS.

### FORECASTS.

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

SW<sup>2</sup> to W<sup>2</sup> or NW<sup>2</sup> winds, strong, squally; some showers.  
D<sup>o</sup> D<sup>o</sup> D<sup>o</sup>  
D<sup>o</sup> D<sup>o</sup> D<sup>o</sup>  
W<sup>2</sup> and NW<sup>2</sup> strong winds or gales; squally, showery.  
D<sup>o</sup> D<sup>o</sup> D<sup>o</sup>

### WARNINGS

The south cone was hoisted, last evening in districts 6 to 10. An asterisk is inserted against those districts in which the signals are now flying.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeenæs ...	29.16	46	40	SE 7	o f	5	Holyhead ...	29.35	47	43	SW 5	6 qf	4
Sumburgh Head ...	29.07	46	42	SSE 3	o	4	Valencia ...	29.52	46	43	W 6	o qf	6
Stornoway ...	28.93	44	42	S 6	e	5	Scilly ...	29.62	50	46	W 6	6	6
Aberdeen ...	29.06	40	39	WNW 1	2m	2	Dungeness ...	29.43	53	49	WNW 7	6 c qf	6
Shields ...	29.08	46	42	W 4	c	3	London ...	29.41	51	45	W 6	c qf	*
Ardrossan ...	29.14	46	43	W 5	6	4	Yarmouth ...	29.20	46	43	WNW 8	c qf	5
Malin Head ...	29.05	45	43	W 5	c	5	Jersey ...	29.65	50	48	WSW 5	6	4
Mullaghmore ...	29.19	47	41	WSW 8	c	6	Rochefort ...	29.40	52	53	WSW 8	o	3
Belmullet ...	29.24	45	41	WNW 8	o	*							

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

Yesterday morning's reports showed that pressure was highest over the Black Sea and Central Russia on the one hand, and over the south of Spain on the other; a large low pressure area lay off the northwest of Scotland, while a deep secondary disturbance had advanced over England from the SW during the night. S to W gales and strong winds prevailed over France and the southern part of the United Kingdom, accompanied by severe squalls and some showers, while moderate S to SE winds were felt at the Scotch and Scandinavian stations, with finer, but not settled conditions. Over Central and Eastern Europe the winds were light from the S and the weather fine. Temperature showed some further increase in most places, and ranged from between 50° and 60° over the greater part of the Mediterranean and the west of Portugal to several degrees below the freezing point in Poland, Hungary, Russia and the eastern shores of the Baltic, and to a still lower value over Finland. The highest individual values were 61° at Cagliari and Bilbao, 60° at Algiers, Palermo, Barcelona and Genoa, 59° at Malta, 58° at Biarritz, 57° at Lisbon, Oporto, Brindisi and Sangre and 56° at Paris. At none of the British stations was temperature higher than 48°. The lowest values were 15° at Archangel, 18° at Uleaborg and Kuopio, 20° at Moscow, 22° at Lemberg, 23° at Kiev and 33° at Riga.

During the day the secondary depression over England moved away to the north-eastward, the wind lulled over the British Isles, and in most places the sky cleared, but increased rainfall occurred to the eastward of the North Sea. Temperature rose to a maximum of 50° or more over the south of the British Isles and to 64° at Biarritz and Perpignan.

### 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 25<sup>th</sup> March

1887.

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

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ..	29.69	30	SE	4	S	29.68	-0.09	30	30	+2	SE	2	S	*	30	21	0.08		
Hernösand ...	29.54	32	ESE	2	S	29.45	-0.17	34	34	+3	SE	4	O	*	36	20	0.24		
Stockholm ...	29.38	37	SE	2	O	29.50	+0.11	38	36	+2	SSW	2	C	*	?	32	0.04		
Wisby ...	29.50	38	SE	4	O	29.52	+0.10	37	36	+1	WSW	4	O	*	41	34	0.04		
Bodö ...	29.47	34	ESE	2	B	29.48	-0.01	32	30	-2	ENE	2	B	1	41	30	-		
Christiansund...	29.20	44	SE	1	O	29.30	+0.12	40	37	0	S	1	Bc	2	48	36	-		
Skudesnaes ...	29.25	41	SE	6	C	29.34	+0.26	40	37	0	SE	4	C	4	43	39	-		
Christiania Fjord (Færd)	29.30	35	WNW	2	C	29.40	+0.17	36	35	+2	WSW	2	Bc	3	36	34	-		
Skagen (The Scaw)	29.35	38	W	4	Bc	29.38	+0.20	37	36	+1	SW	2	O	1	43	36	0.12		
Fanö ...	29.45	36	SW	4	B	29.32	-0.05	36	36	-3	S	2	R	*	43	34	0.04		
BRITISH ISLANDS.																			
Sumburgh Head	29.06	42	S	1	C	29.28	+0.30	43	41	+1	Z	0	B	2	48	35	0.01		
Stornoway ...	29.10	44	WNW	3	Bc	29.35	+0.37	43	43	+3	N	5	Cq	4	46	35	0.23		
Wick ...	29.05	44	SW	2	Bc	29.34	+0.34	38	37	-1	NW	1	B	0	49	32	-		
Nairn ...	29.10	43	WSW	1	Bc	29.28	+0.23	41	39	+1	W	3	Bc	2	49	31	-		
Aberdeen...	29.13	42	WSW	2	B	29.31	+0.21	40	37	-1	W	1	B	1	49	33	-		
Leith ...	29.16	41	SW	3	R	29.32	+0.11	40	39	-1	W	1	om	*	48	37	0.04		
Shields ...	29.27	44	SW	2	C	29.34	+0.02	40	39	-1	WSW	3	ap	2	49	36	-		
Spurn Head ...	29.37	41	SW	4	Bc	29.41	-0.06	42	40	+1	W	5	Bc	3	45	35	0.15		
York ...	29.40	45	W	3	Bc	29.42	-0.04	43	41	+2	W	3	O	*	30	38	0.02		
Loughborough	29.43	41	WSW	3	Bc	29.51	-0.04	42	40	+1	W	4	O	*	48	38	0.05		
GERMANY.																			
Ardrossan ...	29.17	42	WSW	2	pq	29.33	+0.08	44	43	+3	WNW	7	B	5	44	38	0.24		
Malin Head ...	29.25	43	NW	3	O	29.44	+0.26	41	41	+1	NW	5	apq	6	44	36	0.29		
Mullaghmore ...	29.35	44	WNW	7	cpq	29.66	+0.34	45	43	+5	WNW	8	cpq	7	45	39	0.20		
Belmullet ...	29.42	44	WNW	8	C	29.78	+0.43	46	43	+3	NW	8	O	*	47	40	0.32		
Donaghadee ...	29.29	41	W	4	Bc	29.49	+0.16	42	41	+3	N	4	O	2	47	37	0.24		
FRANCE & NETHERLANDS.																			
Barrow-in-Furness	29.32	43	SW	4	Bc	29.43	+0.03	42	41	0	W	5	om	*	46	40	0.10		
Liverpool (Bidston)	29.38	43	WSW	5	B	29.50	+0.08	43	41	0	WSW	7	C	5	47	40	0.12		
Holyhead ...	29.39	44	WSW	4	Bcq	29.58	+0.13	45	42	+3	W	7	Bcq	6	47	41	-		
Parsonstown ...	29.49	43	WSW	2	C	29.76	+0.20	42	40	+5	W	1	Bc	*	47	36	0.05		
Valencia ...	29.67	45	NW	5	cpq	29.95	+0.39	46	42	+3	NW	5	cpq	5	49	40	0.09		
Roche's Point...	29.59	45	WNW	5	B	29.87	+0.32	43	40	+1	WNW	5	B	4	48	40	0.01		
Pembroke ...	29.53	44	W	4	C	29.73	+0.19	44	41	+1	WNW	6	Cq	6	46	40	0.02		
Scilly ...	29.67	44	WNW	7	Cq	29.89	+0.17	46	44	-1	WNW	8	C	6	49	41	0.10		
Prawle Point ...	29.62	42	W	5	Bc	29.80	+0.10	45	42	0	WNW	5	B	5	48	40	0.10		
Jersey ...	29.67	43	W	5	C	29.86	+0.08	46	43	+2	WNW	6	B	5	49	42	0.06		
PORTUGAL.																			
Hurst Castle ...	29.57	42	W	6	Rq	29.71	+0.01	44	42	0	W	6	C	5	47	41	0.12		
Dungeness ...	29.53	43	WSW	4	O	29.62	-0.06	44	43	+1	WNW	4	C	3	48	38	0.10		
London ...	29.52	40	SW	3	C	29.61	-0.06	44	41	-1	W	4	O	*	51	37	0.02		
Oxford ...	29.52	38	SW	2	B	29.63	-0.01	43	41	+1	W	2	C	*	48	37	0.13		
Cambridge ...	29.48	41	SW	3	R	29.56	-0.04	43	41	0	W	3	C	*	32	33	0.18		
Yarmouth ...	29.46	41	WSW	3	R	29.47	-0.11	42	41	+1	W	5	Bcq	3	49	38	0.08		
Cuxhaven ...	29.69	41	WSW	3	B	29.41	-0.12	41	40	+2	W	3	R	*	44	37	0.04		
Berlin ...	29.73	41	SW	2	B	29.36	-0.34	39	38	-3	SE	1	R	*	50	37	0.10		
Wiesbaden ...	*	*	*	*	*	29.66	-0.20	42	38	+5	SW	4	C	*	52	?	0.16		
Munich ...	29.82	41	W	2	C	29.74	-0.20	36	34	-5	W	8	R	*	46	36	0.20		
SPAIN.																			
The Helder ...	29.47	40	SW	3	O	29.43	-0.17	40	39	0	WSW	3	C	3	45	37	0.04		
Brussels ...	*	*	*	*	*	29.58	-0.18	39	38	-2	WSW	4	R	*	?	37	0.35		
Cape Gris Nez...	29.54	42	WSW	7	C	29.58	-0.14	41	41	-1	WSW	8	R	6	46	42	0.16		
Paris ...	29.68	49	SSW	3	Bo	29.74	-0.05	39	37	?	WSW	4	B	*	52	37	0.08		
Brest ...	29.96	46	NW	5	O	30.01	+0.19	46	41	0	NW	5	O	5	54	39	-		
Lorient ...	29.78	46	WNW	5	C	30.04	+0.14	46	42	-1	NW	7	B	5	52	39	0.08		
Rochefort ...	29.89	51	WSW	5	O	30.11	+0.14	47	44	-3	NW	5	B	2	55	39	0.08		
Belfort ...	29.79	49	SW	1	C	29.58	-0.05	41	38	-7	SW	1	Bc	*	53	39	0.32		
Lyons ...	29.86	51	S	1	R	29.99	-0.01	44	41	-5	ENE	1	Bc	*	60	41	0.16		
Nice ...	29.87	51	W	1	B	29.74	-0.16	38	48	+2	S	3	B	3	63	48	-		
Perpignan ...	29.90	59	NE	1	O	30.04	-0.01	55	50	+1	NW	3	O	*	70	54	-		
Biarritz ...	29.98	57	W	5	O	30.19	+0.22	52	48	-2	SW	5	Bc	2	66	48	0.38		
AFRICA.																			
Corunna ...	*	*	*	*	*	30.26	+0.27	52	50	-7	NNE	1	O	4	61	46	0.35		
Lisbon ...	30.12	59	WNW	5	B	30.14	0.00	55	53	-1	NNE	5	C	5	63	54	-		

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



# WEATHER CHARTS

for 8 a.m. on Friday, 25<sup>th</sup> March

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.

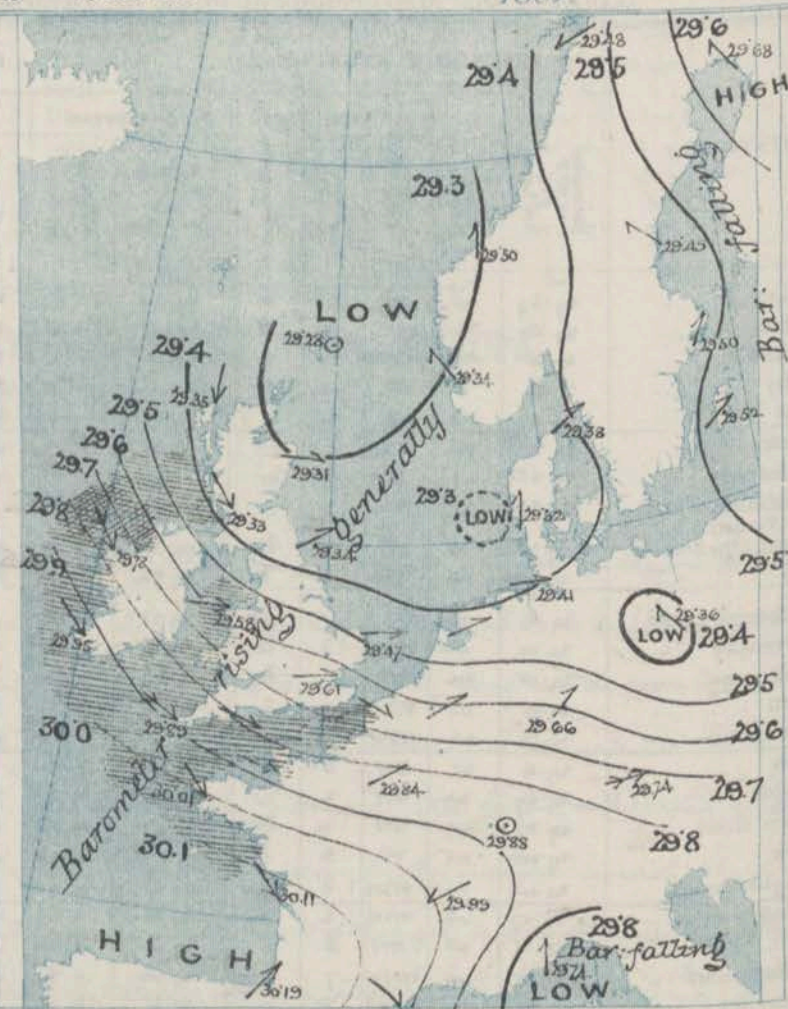
**Sea Disturbance** — where considerable is shown thus

▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roche's Point	29.936
Pembroke	29.942
Scilly	29.968
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



## 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.

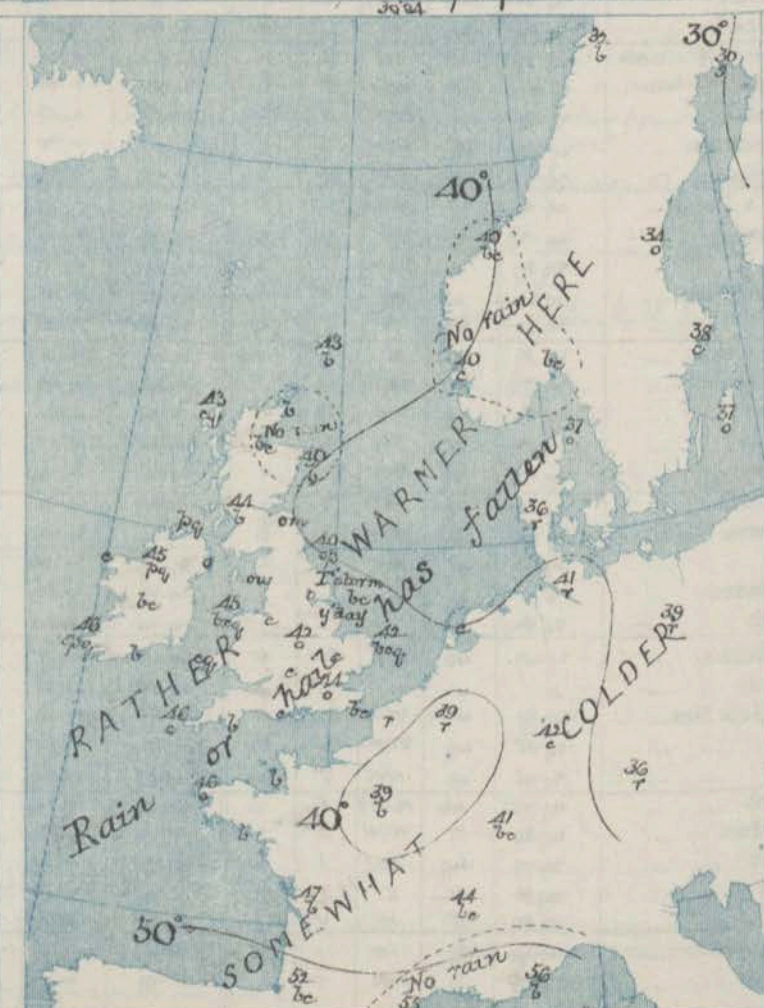
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.	At 8 a.m.	
			Dry	Wet	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.0	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.69
Valencia	51.8	40.8	45.6	43.6	4.24
Roche's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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 Bay of Biscay and the Iberian peninsula. Lowest, 29.3 ins and less in a large area lying off the west of Norway, but low (29.4 ins and less) in a small depression lying over North Germany.
TEMPERATURE	{ Highest, 56° at Nice, 55° at Perpignan and Lisbon and 52° at Biarritz; highest in our islands, 46° at Belmullet, Valencia, Lillie & Jersey. Lowest, 30° at Haparanda, 32° at Bodø, 34° at Helsingfors, 36° at Føer, Tans and Munich and 38° at Wiek.
WIND	{ Moderate to fresh from W on the east coasts of Great Britain. Strong to a gale from W or NW on our W & SW coasts. Light from S or SE on the eastern shores of the North Sea; variable in the south-east of France.
WEATHER	{ Fine in France and the north of our islands, but raining in Germany and the south of Denmark and showery in most other parts of Western Europe. A thunderstorm was experienced yesterday afternoon at Spurn Head.
SEA	{ High at Mullaghmore and rough on our western and southern coasts generally, but moderate to smooth in the north and east.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large area of low-pressure noticed to the northward of our islands yesterday has moved slowly eastwards, while the subsidiary depressions over our western coasts have travelled away to the North Sea and Germany, where they are apparently developing further intensity.

The barometer is now rising over the greater part of our islands, but a tendency still exists for the development of shallow local depressions, so that squally showery weather is likely to continue in most districts.

## FORECASTS

for the 24 hours ending at NOON on 26<sup>th</sup> March 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, freshening, fair generally, but some showers.  
 D° ..... D°  
 Same as N° 5.  
 Same as N° 5.  
 Same as N°  
 W<sup>ly</sup> to NW<sup>ly</sup> winds, fresh and gusty, changeable, some showers.

### DISTRICTS.

### FORECASTS.

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

NW<sup>ly</sup> winds strong, a gale in places; squally, showery.  
 D° ..... D°  
 D° ..... D°  
 D° ..... D°  
 D° ..... D°

### WARNINGS

The S. cone is still up in districts 6 to 10.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudeanaes ...	29.19	43	40	S	6	c	5	Holyhead ...	29.42	46	42	SW	5	bcq	5
Sumburgh Head	29.02	45	42	Z	0	c	3	Valencia ...	29.60	47	43	WNW	5	bcqhrp	5
Stornoway ...	29.02	43	43	W	2	cp	1	Scilly ...	29.63	47	46	WNW	6	cq	6
Aberdeen ...	29.13	48	43	SW	4	bc	1	Dungeness ...	29.60	47	46	WSW	5	c	4
Shields ...	29.28	48	42	WSW	3	c	2	London ...	29.55	45	43	WSW	6	opq	*
Ardrossan ...	29.21	43	41	SW	5	o	4	Yarmouth ...	29.50	49	43	WSW	5	bcq	4
Malin Head ...	29.20	42	41	W	4	o	6	Jersey ...	29.70	49	46	WSW	4	bc	4
Mullaghmore ...	29.30	44	41	W	8	ohrq	6	Rochefort ...	29.93	51	50	WSW	5	r	2
Belmullet ...	29.37	47	43	WNW	8	bcq	*								

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

Yesterday morning's report showed that pressure varied from 30.3 in. and more over Central Russia, and from rather above 30.1 in. over the southern half of the Mediterranean and Spain to a little below 29.0 in. off the extreme north of Scotland, where there lay a well marked area of low pressure. Strong W' to SW' winds and rather mild showery weather prevailed over Western and Northwestern Europe, and S' to SE' winds with rather cold (but fair) weather over the Baltic and Russia. Temperature was highest (59° or more) over the Mediterranean and was inclined to rise, lowest over Central and Northern Russia, where the readings were several degrees below the freezing point. The highest individual values were 66° at Algiers, 61° at Palermo, 60° at Nemours (Algiers) and Palma, 59° at Malta, Cagliari, and Catania, 57° at Khindisi, 56° at Lisbon and Rome, 55° at Nice, and 53° at Langunair. The lowest were 18° at Moscow and Kharkov, 20° at Archangel, 24° at St. Petersburg. In Austria and Germany the readings were all above the freezing point.

Showery weather continued prevalent in the west and northwest during the day and the W' wind blew strongly in many parts of France and the British Isles.

### 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 26<sup>th</sup> March 1887.

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		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.	
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	
SCANDINAVIA.	Haparanda ..	29.71	28	Z	0	0	29.76	+0.08	27	?	-3	SE	2	S	*	32	?	0.04
	Hernösand ...	29.62	35	Z	0	6	29.76	+0.31	33	33	-1	SE	2	N	*	43	32	-
	Stockholm ...	29.61	32	Z	2	0	29.58	+0.08	32	32	-6	NNE	4	S	*	45	30	0.04
	Wisby ...	29.50	32	SE	4	0	29.40	-0.12	35	34	-2	E	4	0	*	50	34	0.28
	Bodo ...	29.53	35	NNE	2	6	29.64	+0.16	35	32	+3	ESE	2	S	0	39	30	-
	Christiansund...	29.45	39	WNW	1	C	29.65	+0.35	39	37	-1	S	1	6C	1	43	32	-
	Skudesnaes ...	29.54	39	WNW	2	6C	29.68	+0.34	40	39	0	WNW	1	C	3	?	39	-
	Christiania Fjord (Fierder)	29.51	34	SSE	2	?	29.61	+0.21	33	33	-3	N	2	?	1	39	28	-
	Skagen (The Scaw)	29.48	38	ESE	3	0	29.60	-0.22	36	36	-1	N	1	0	1	41	36	0.04
	Fanö ...	29.51	35	NW	1	0	29.69	-0.37	37	37	+1	NW	4	C	*	43	34	0.04
BRITISH ISLANDS.	Sumburgh Head	29.52	45	WNW	1	6	29.79	+0.51	42	39	-1	N	1	6C	1	48	39	0.01
	Stornoway ...	29.52	45	N	5	cl. sp.	29.91	+0.56	39	39	-4	SW	1	0	0	47	35	0.03
	Wick ...	29.61	44	WN	1	6C	29.88	+0.54	44	42	+6	WNW	3	6C	1	50	36	0.03
	Nairn ...	29.68	43	W	3	C	29.97	+0.64	41	38	0	W	2	C	2	51	36	0.01
	Aberdeen...	29.62	43	NW	4	6C	29.88	+0.57	44	41	+4	WNW	4	6C	1	51	38	0.04
	Leith ...	29.62	45	N	1	C	29.97	+0.65	41	39	+1	W	1	6	*	53	36	-
	Shields ...	29.60	44	N	2	6	29.97	+0.63	43	40	+3	W	3	6C	2	49	35	-
	Spurn Head	29.59	42	WNW	3	6	29.96	+0.55	39	38	-3	WNW	4	6C	3	45	37	0.08
	York ...	29.60	44	WNW	1	C	30.01	+0.59	43	40	0	W	1	6	*	49	34	0.06
	Loughborough	29.66	45	NW	5	C	30.05	+0.54	44	41	+2	WNW	4	6	*	49	39	0.06
GERMANY.	Ardrossan ...	29.72	46	NW	5	6	29.99	+0.66	43	41	-1	ESE	1	6C	0	50	39	-
	Malin Head ...	29.84	44	NW	3	6C	29.98	+0.54	43	41	+2	SW	1	0.2	3	47	41	0.03
	Mullaghmore ...	29.94	46	NW	5	6C	30.03	+0.37	44	43	-1	SW	4	0.2	3	48	40	0.12
	Belmullet ...	30.01	46	NW	6	6C	30.00	+0.22	47	47	+1	SW	3	0	*	48	43	0.15
	Donaghadee ...	29.79	46	N	6	6	30.06	+0.57	41	40	-1	W	3	0	1	49	39	0.03
	Barrow-in-Furness	29.64	45	WNW	5	C	30.02	+0.59	43	42	+1	N	3	6C	*	48	41	0.01
	Liverpool (Bidston)	29.71	44	W	6	0	30.07	+0.57	43	42	0	W	3	6C	3	46	40	0.02
	Holyhead ...	29.78	45	WNW	6	6C	30.10	+0.52	44	42	-1	WNW	3	C	4	49	41	-
	Parsonstown ...	29.99	45	NW	1	6C	30.11	+0.35	44	43	+2	SW	1	6	*	50	35	0.04
	Valencia ...	30.13	48	NW	4	0	30.15	+0.20	49	48	+3	SW	4	N	5	52	43	0.07
FRANCE & NETHERLANDS.	Roche's Point...	30.04	47	NW	6	6C	30.18	+0.31	46	45	+3	SW	2	N	3	49	42	-
	Pembroke ...	29.91	45	WNW	5	C	30.16	+0.43	44	41	0	WNW	5	6C	3	47	42	-
	Scilly ...	30.05	48	NW	8	6C	30.24	+0.35	48	48	+2	WNW	4	C	4	49	44	-
	Prawle Point ...	29.95	45	WNW	4	6	30.21	+0.41	47	44	+2	NW	2	6C	3	50	39	0.01
	Jersey ...	29.96	46	WNW	6	6C	30.19	+0.33	45	43	-1	NW	3	6C	3	49	42	0.01
	Hurst Castle ...	29.81	47	WNW	6	6C	30.10	+0.39	43	41	-1	NW	4	6	4	51	37	0.04
	Dungeness ...	29.70	46	NW	5	6C	30.03	+0.41	40	40	-4	WNW	2	6C	2	50	36	0.10
	London ...	29.70	45	NW	5	6C	30.06	+0.45	44	40	0	NW	2	6	*	51	40	0.06
	Oxford ...	29.79	43	NW	6	6C	30.10	+0.47	42	40	-1	WNW	5	6	*	50	39	0.08
	Cambridge ...	29.66	46	W	3	C	30.06	+0.50	43	41	0	WNW	2	6	*	52	35	0.03
PENINSULA.	Yarmouth ...	29.55	42	NW	5	6C	29.97	+0.50	42	41	0	WNW	4	6C	3	47	34	0.12
	Cuxhaven ...	29.45	42	W	4	N	29.72	+0.31	40	39	-1	NW	4	?	*	43	37	0.14
	Berlin ...	29.51	41	W	2	6	29.64	+0.28	38	37	-1	NW	4	0	*	43	37	0.32
	Wiesbaden ...	*	*	*	*	*	29.83	+0.17	40	38	-2	Z	0	6C	*	46	37	0.28
	Munich ...	29.80	39	W	7	N	29.85	+0.11	37	35	+1	SW	7	0	*	45	34	0.08
	The Helder ...	29.53	39	W	1	6	29.89	+0.46	39	38	-1	NW	3	C	3	43	39	0.20
	Brussels ...	*	*	*	*	*	29.98	+0.40	41	40	+2	WNW	4	0	*	?	?	?
	Cape Gris Nez...	29.67	42	W	8	N	30.02	+0.44	46	39	+4	NW	7	N	5	46	39	0.04
	Paris ...	29.89	45	W	5	6C	30.08	+0.24	44	42	+5	NW	3	0	*	52	?	0.08
	Brest ...	30.12	47	NW	7	0	30.28	+0.27	46	46	0	WNW	4	0	5	52	39	-
PENINSULA.	Lorient ...	30.13	46	WNW	8	6	30.29	+0.28	43	42	-3	NW	3	6	5	48	41	0.08
	Rochefort ...	30.19	49	WNW	7	6	30.33	+0.22	47	45	0	NW	5	6	2	55	41	-
	Belfort ...	29.89	45	SW	5	N	30.01	+0.23	38	37	-3	SW	4	0	*	49	33	0.16
	Lyons ...	30.04	48	W	3	C	30.21	+0.22	41	37	-3	W	3	0	*	54	38	-
	Nice ...	29.80	36	W	5	6	29.93	+0.19	49	38	-7	E	4	6	1	64	43	-
	Perpignan ...	30.08	56	NW	7	6	30.26	+0.22	49	43	-6	NW	5	C	*	63	47	-
	Biarritz ...	30.27	52	SW	7	C	30.31	+0.12	51	46	-1	NW	7	N	2	54	48	0.04
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	30.15	60	WNW	5	6	30.19	+0.05	53	50	-2	NNE	4	6	2	?	52	-

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on *Saturday, 26<sup>th</sup> March.*

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.

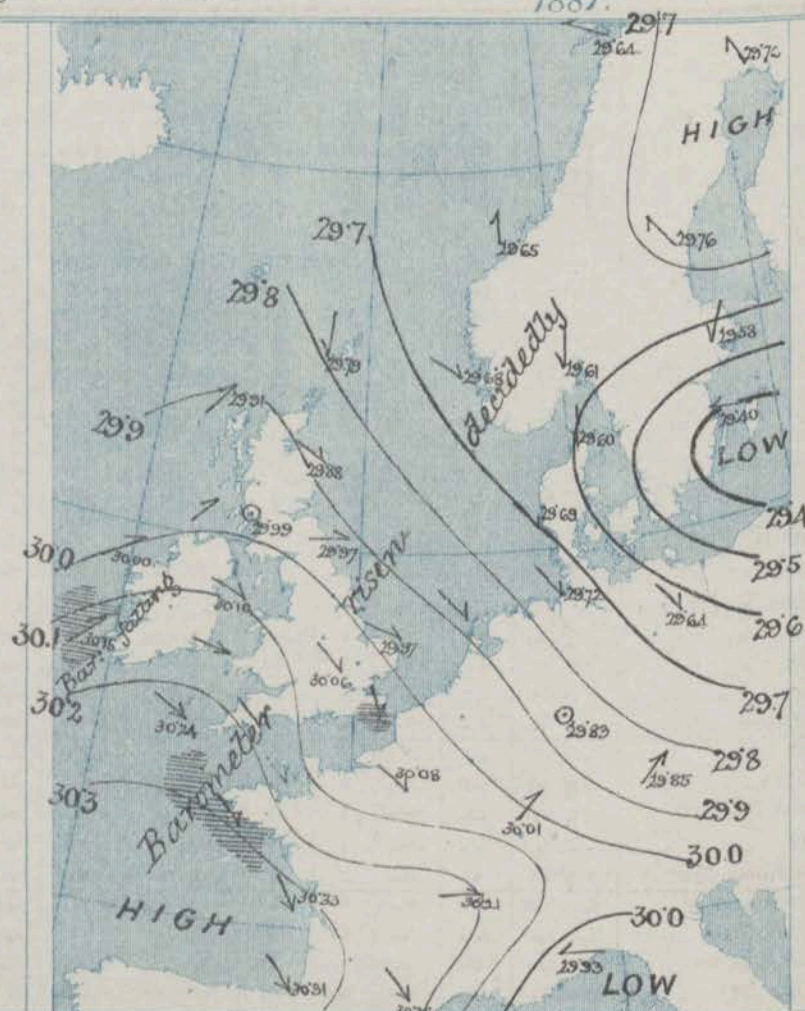
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Rocha's Point	29.936
Pembroke	29.912
Scilly	29.968
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.982
Cambridge	29.952
Yarmouth	29.934



## 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.

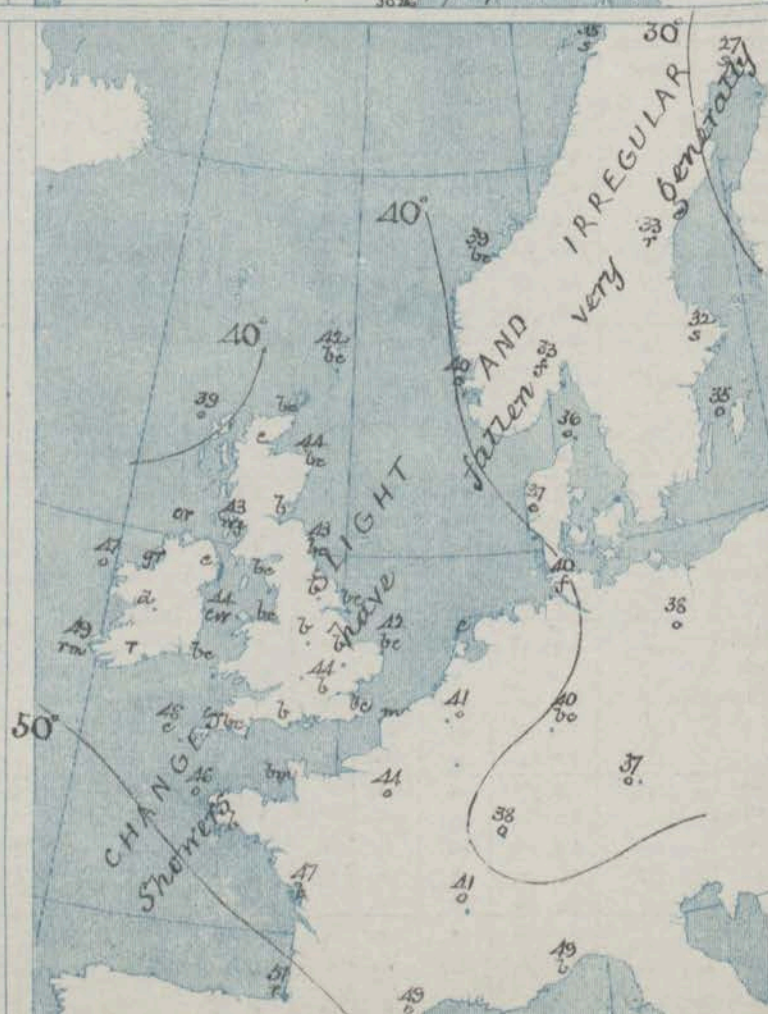
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.69
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.69
Valencia	51.8	40.8	45.6	43.6	4.24
Rocha's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	48.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.53
Yarmouth	45.7	36.0	41.1	39.4	1.77

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 upwards, in an anticyclone lying over the Bay of Biscay and the north of Spain.  
Lowest, 29.4 ins. and less, in a depression lying over the Baltic.

## TEMPERATURE

Highest, 53° at Lisbon, 51° at Biarritz, and 49° at Valencia, Perpignan, and Nice.  
Lowest, 27° at Haparanda, 32° at Stockholm, and 33° at Helsingfors and Faeröer; lowest in our Islands 33° at Spurn Hd.

## WIND

Moderate SW<sup>ly</sup> over Ireland, the west of Scotland, South Germany, and the east of France.  
Light SE<sup>ly</sup> in the north of Scandinavia.  
Moderate to fresh from NW<sup>ly</sup> elsewhere.

## WEATHER

Fine over Great Britain as well as at most of the French stations.  
Cloudy elsewhere, with rain in Ireland, and snow in Sweden and the north of Norway.  
Showers of hail or rain fell yesterday over the greater part of Western Europe.

## SEA

Rather rough at Valencia, and also off the north and northwest of France, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The small depressions noticed yesterday over Germany and the North Sea have travelled away in an easterly direction, and the barometer has risen over the greater part of Western Europe.

In the course of the night, however, a fresh fall of the mercury has commenced in the west of Ireland, while the wind has backed to the SW<sup>ly</sup> or W<sup>ly</sup> at nearly all our western stations. It is probable, therefore, that a new depression of considerable size is approaching our western coast, and the rainy unsettled weather in Ireland is likely to extend eastward with an increase of wind in the west and south generally.

## FORECASTS

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

1887.

### DISTRICTS.

### FORECASTS.

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

Wind backing to the SW<sup>ly</sup> and freshening; fair to dull and some rain.

----- D° ----- D° ----- D° -----

Same as N° 5

Same as N° 5

Same as N° 5

NW<sup>ly</sup> winds, light, to SW<sup>ly</sup> winds, fresh, fine at first less settled later, probably some rain.

### DISTRICTS.

### FORECASTS.

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

W<sup>ly</sup> winds, moderate, to SW<sup>ly</sup> or W<sup>ly</sup> strong; fair to squally and rainy.

----- D° ----- D° ----- D° -----

----- D° ----- D° ----- D° -----

SW<sup>ly</sup> to W<sup>ly</sup> winds, increasing to a gale; squally, rainy.

----- D° ----- D° ----- D° -----

### WARNINGS

The S. cone has been hoisted this morning in districts 6, 9, and 10. An asterisk is inserted against those districts in which the signals are now flying.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Ses.		Bar.	Dry.	Wet.	Wind.	Wen.	Ses.
Skudeenæs ...	29.45	47	42	W 2	c	4	Holyhead ...	29.67	47	45	W 7	c q	6
Sumburgh Head ...	29.43	46	43	Z 0	b	2	Valencia ...	30.07	52	47	W 5	a q	5
Stornoway ...	29.63	47	45	N 4	c q	4	Scilly ...	29.99	49	47	W 8	b	6
Aberdeen ...	29.50	48	44	W 4	b	1	Dungeness ...	29.67	45	45	W 5	c	3
Shields ...	29.47	46	45	W 2	c	2	London ...	29.65	51	46	W 5	c q p	#
Ardrossan ...	29.63	49	46	W 6	b	5	Yarmouth ...	29.50	41	39	W 5	c q p	3
Malin Head ...	29.70	45	43	W 4	b	5	Jersey ...	29.92	47	44	W 6	b	5
Mullaghmore ...	29.85	45	43	W 7	c q p	6	Rocheport ...	30.18	54	48	W 5	b	2
Belmullet ...	29.92	48	45	W 7	0	#							

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

Yesterday morning's reports showed that owing to a slight decrease of pressure over Russia, and a recovery over the southwestern parts of Europe, readings varied from 30.1 in: and upwards in each of these localities to between 29.3 in: and 29.4 in: over the North Sea and to about 29.7 in: over the Gulf of Genoa. The winds had consequently become NW<sup>2</sup> in the west of our Islands, while it was W<sup>2</sup> over France and England, and blew strongly in many places, with showery, changeable weather. Over the Baltic and Scandinavia, however, the wind was SE<sup>2</sup>, but the weather showery at times. Temperature had again increased over the southwestern parts of the Mediterranean and varied from upwards of 70° in that region to about 45° over Ireland and England and to several degrees below the freezing point over central Russia. The highest individual readings were 72° at Algiers, 70° at Palma, 69° at Palermo, 63° at Cagliari, 56° at Barcelona and Nice, and 55° at Bilbao; the lowest were 12° at Moscow, 13° at Archangel, and 24° at St. Petersburg.

During the day the depression over the North Sea moved eastwards, and NW<sup>1</sup> to N<sup>1</sup> winds became more general in the United Kingdom, but moderated in force, and temperature fell somewhat.

### 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 27<sup>th</sup> March

1887.

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

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.																			
STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer.  Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.		Difference from 8 a.m. yesterday.	WIND.		Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.			
			Dir.	Force. (0 to 12.)				Dry.	Wet.		Dir.	Force. (0 to 12.)		Max.	Min.				
SCANDINAVIA.																			
Haparanda ..	29.85	30	Z	0	0	29.93	+ .17	31	31	+ .4	Z	0	0	*	36	23	—		
Hernösand ...	29.83	33	Z	0	0	29.87	+ .11	34	33	+ .1	N	2	0	*	36	30	—		
Stockholm ...	29.63	33	NE	4	S	29.67	+ .09	32	33	+ .1	NNE	4	S	*	34	30	0.47		
Wisby ...	29.57	36	NNW	4	r	29.56	+ .16	36	36	+ .1	E	4	r	*	41	32	0.12		
Bodö ...	29.78	37	ESE	2	0	29.82	+ .24	34	31	— .1	ENE	2	B	1	41	32	—		
Christiansund...	29.81	38	WSW	2	C	29.73	+ .08	36	34	— .3	ESE	2	B	2	43	32	—		
Skudesnaes ...	29.74	39	WNW	2	bc	29.71	+ .03	37	36	— .3	SE	4	0	3	?	?	—		
Christiania Fjord (Færdet) ...	29.75	38	N	2	B	29.80	+ .19	34	32	+ .1	N	4	B	1	37	?	—		
Skagen (The Scaw)	29.77	39	NE	1	B	29.78	+ .18	35	34	— .1	E	1	B	0	39	34	—		
Fanö ...	29.82	38	W	4	0	29.82	+ .13	37	37	0	W	4	0	*	43	37	—		
BRITISH ISLANDS.																			
Sumburgh Head	29.83	42	Z	0	0	29.32	— .47	41	41	— .1	SE	5	r	6	47	39	0.16		
Stornoway ...	29.71	43	SSE	6	r	29.45	— .46	44	43	— .5	W	6	c, sh	5	49	38	0.67		
Wick ...	29.81	44	S	2	0	29.37	— .51	45	43	+ .1	WNW	6	bc	3	40	41	0.08		
Nairn ...	29.79	46	Z	0	r	29.46	— .46	44	42	+ .3	WSW	3	bc	3	39	39	0.13		
Aberdeen...	29.88	45	S	2	0	29.49	— .39	49	45	+ .5	W	4	B	2	49	41	0.07		
Leith ...	29.91	45	SE	1	r	29.60	— .37	47	44	+ .6	W	6	B	*	52	40	0.09		
Shields ...	29.98	48	SW	1	0	29.68	— .29	47	45	+ .4	SW	4	bc	2	51	43	0.03		
Spurn Head ...	30.00	45	W	3	C	29.78	— .18	46	45	+ .7	W	5	cp	2	46	38	0.12		
York ...	30.03	47	W	2	0	29.78	— .23	49	45	+ .6	W	3	bc	*	54	40	0.08		
Loughborough	30.07	48	WSW	1	0	29.87	— .18	48	47	+ .4	WSW	4	r	*	53	44	?		
ARDROSSAN.																			
Ardrossan ...	29.88	45	SSE	2	r	29.70	— .29	46	44	+ .3	WNW	4	cpq	2	47	42	0.19		
Malin Head ...	29.76	47	WSW	4	org	29.75	— .25	44	41	+ .1	NW	4	bcq	5	48	42	0.36		
Mullaghmore ...	29.84	49	SW	6	rg	29.89	— .14	47	43	+ .3	W	6	bc	5	50	43	0.28		
Belmullet ...	29.93	49	SW	3	r	29.96	— .04	45	43	— .2	W	4	bc	*	50	45	0.30		
Donaghadee ...	29.91	47	SW	3	r	29.82	— .24	46	46	+ .5	WSW	3	C	1	49	39	0.13		
BARROW-IN-FARNES.																			
Barrow-in-Farness	30.00	44	S	4	r	29.80	— .22	46	45	+ .3	SW	4	B	*	47	43	0.32		
Liverpool (Bidston)	30.04	47	WSW	2	0	29.86	— .21	46	45	+ .3	W	4	B	4	49	43	0.22		
Holyhead ...	30.02	45	SSW	4	rm	29.89	— .21	47	46	+ .3	WSW	4	cpq	4	49	44	0.24		
Parsonstown ...	30.01	50	WSW	2	0	29.99	— .12	46	45	+ .2	W	1	bc	*	50	42	0.13		
Valencia ...	30.05	51	SW	7	om	30.13	— .02	48	46	— .1	WNW	5	bcq	5	52	46	0.21		
GERMANY.																			
Roche's Point...	30.10	49	WSW	4	0	30.07	— .11	48	45	+ .2	WNW	3	B	4	49	45	0.20		
Pembroke ...	30.11	45	WSW	3	0	29.95	— .21	46	45	+ .2	W	4	B	4	47	44	0.12		
Scilly ...	30.24	50	WSW	4	0	30.13	— .11	49	49	+ .1	WNW	6	cp	6	52	44	0.02		
Prawle Point ...	30.23	46	WSW	3	0	30.09	— .12	46	46	— .1	WSW	5	f	5	50	44	0.01		
Jersey ...	30.26	47	W	4	cg	30.17	— .02	46	45	+ .1	WSW	5	ogmul	4	50	44	0.01		
HURST CASTLE.																			
Hurst Castle ...	30.18	46	WSW	3	cd	30.05	— .05	45	45	+ .2	WSW	6	cp	4	52	42	0.07		
Dungeness ...	30.11	49	N	3	C	29.99	— .04	44	44	+ .4	W	4	0	3	53	40	0.16		
London ...	30.12	49	W	4	bc	29.95	— .11	48	47	+ .4	W	4	org	*	53	44	0.10		
Oxford ...	30.12	45	WNW	3	0	29.96	— .14	46	46	+ .4	SW	4	r	*	51	41	0.14		
Cambridge ...	30.09	48	Z	0	bc	29.90	— .16	48	47	+ .5	SW	2	r	*	55	43	0.18		
YARMOUTH.																			
Yarmouth ...	30.04	46	NW	3	bcam	29.86	— .11	45	45	+ .3	WSW	4	or	3	48	42	0.18		
CUXHAVEN.																			
Cuxhaven ...	29.88	40	WNW	4	B	29.88	+ .16	41	40	+ .1	WNW	2	0	*	42	38	—		
Berlin ...	29.86	40	WNW	3	B	29.87	+ .23	38	37	0	NW	3	r	*	43	37	0.04		
WIESBADEN.																			
Wiesbaden ...	*	*	*	*	*	30.10	+ .27	40	39	0	SW	2	a	*	48	37	0.08		
Munich ...	30.09	43	W	4	C	30.13	+ .28	35	34	— .2	SW	6	0	*	41	32	0.35		
FRANCE & NETHERLANDS.																			
The Helder ...	30.01	40	N	3	B	29.89	— .00	40	40	+ .1	SW	3	r	3	43	37	0.04		
BRUSSELS.																			
Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Cape Gris Nez...	30.11	45	W	3	C	30.01	— .01	44	44	— .2	W	7	r	5	50	41	0.16		
Paris ...	30.22	48	NW	4	B	30.21	+ .13	42	41	— .2	SSW	3	0	*	52	39	0.04		
Brest ...	30.36	49	W	4	0	30.24	— .04	48	45	+ .2	NW	5	0	5	54	39	—		
Lorient ...	30.32	48	WNW	4	C	30.27	— .02	47	46	+ .4	W	4	bc	2	50	41	—		
ROCHEFORT.																			
Rochefort ...	30.38	53	NW	1	inv	30.36	+ .03	46	45	— .1	SSE	3	B	1	52	41	—		
Belfort ...	30.13	45	SW	1	0	30.21	+ .20	40	39	+ .2	SW	1	0	*	47	33	0.04		
Lyons ...	30.25	45	N	3	0	30.31	+ .10	40	38	— .1	SW	1	bc	*	51	32	—		
Nice ...	29.92	55	W	1	B	30.10	+ .17	50	39	+ .1	E	1	B	1	63	43	—		
PERPIGNAN.																			
Perpignan ...	30.25	39	NW	4	bc	30.30	+ .04	48	44	— .1	NW	1	B	*	58	43	—		
BIARRITZ.																			
Biarritz ...	30.36	52	N	4	B	30.35	+ .04	44	42	— .7	SE	4	B	1	55	41	0.04		
CORUNNA.																			
Corunna ...	*	*	*	*	*	30.25	— .09	46	45	— .2	NNE	1	B	4	61	39	—		
Lisbon ...	30.12	66	NNE	5	B	30.11	— .08	57	51	+ .4	NE	7	B	2	70	?	—		



# WEATHER

# CHARTS

for 8 a.m. on

Sunday

27<sup>th</sup> March

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.

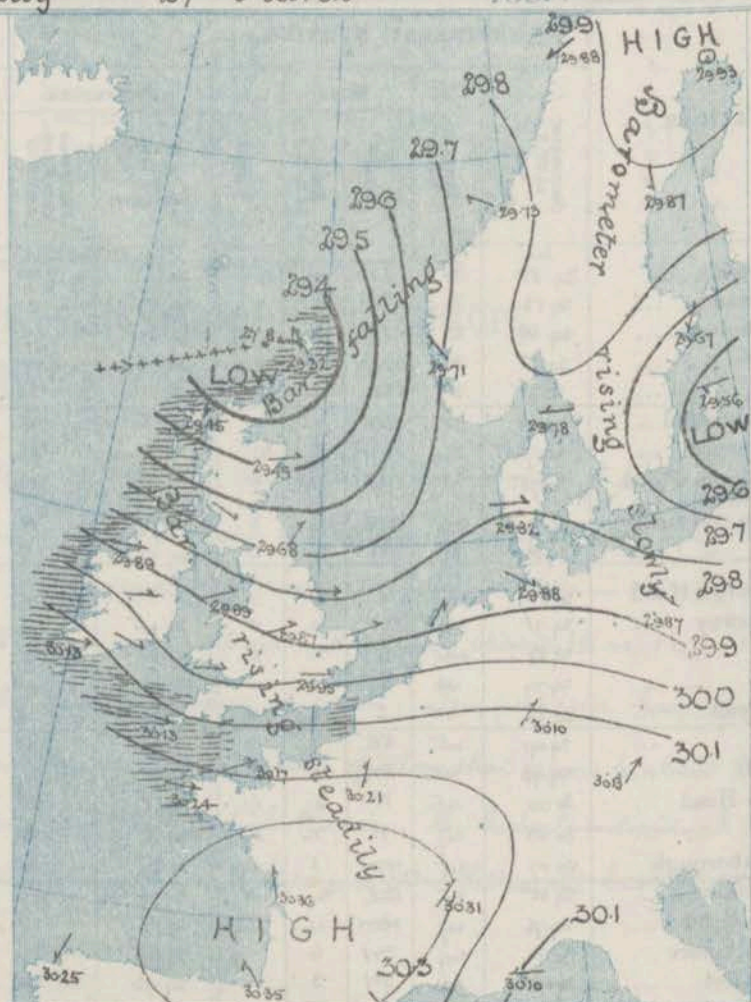
**Sea Disturbance**—where considerable is shown thus

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roches Point	29.936
Pembroke	29.942
Scilly	29.968
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



## 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.

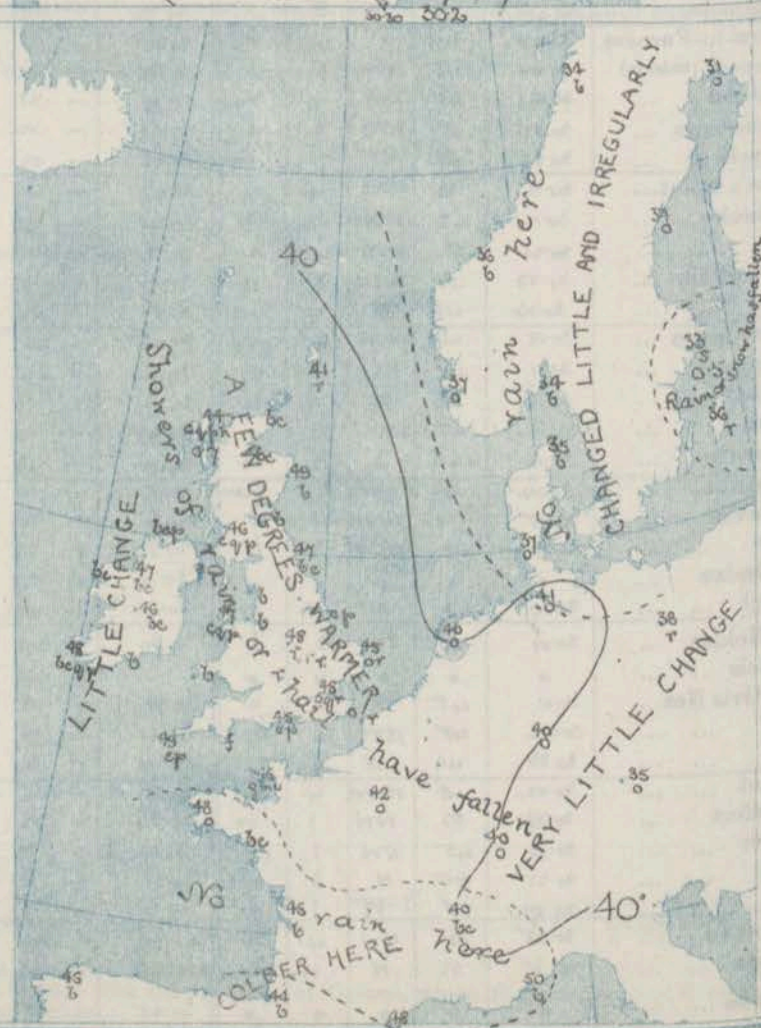
**Rainfall**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.8	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.89
Valencia	51.8	40.8	45.6	43.6	4.24
Roches's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	45.9	38.1	41.9	40.1	1.86
LONDON	50.7	38.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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 upwards, in an anticyclone lying over the SW of France and <sup>the</sup> adjoining parts of Spain and the Bay of Biscay. Lowest, 29.4 ins. and less, in a depression having its centre off the north of Scotland, but relatively low 29.6 ins. and less in another disturbance lying over the Baltic.
TEMPERATURE	Highest, 57° at Lisbon, 50° at Nice, and 49° at Aberdeen, York and Seilly. Lowest, 31° at Haparanda, 33° at Stockholm, 34° at Porto, Harisand, and Faerder, lowest in our Islands 41° at Lumburgh Hd.
WIND	NE <sup>2</sup> in Sweden, Spain, and the south of France, and SE <sup>2</sup> in Norway and the Shetlands. W or NW on our western and northern coasts. SW <sup>2</sup> in the east of our Islands and also over the Netherlands, Germany and the east of France. Strong on all the more exposed parts of our coast and also at Lisbon.
WEATHER	Rainy in the south-east of England, and showing at many of our western and northern stations. Fair or fine in most other localities, but rain falling on the shores of the Baltic.
SEA	Rough or rather so on all but our east coast.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past twenty-four hours the centre of a large and rather deep depression has advanced to the extreme north of Scotland occasioning a fall of the barometer over the whole of our Islands. In the course of the night the mercury has begun to rise again in the west and north, but in the south-east, owing to shallow subsidiary disturbances which have appeared over England, it still falls slowly.

## FORECASTS

For the 24 hours ending at NOON on 28<sup>th</sup> March 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	The S. Cone was hoisted yesterday in districts 3 and 5 to 10 and this morning in districts 0 to 2. An asterisk is inserted against those districts in which the signals are now flying.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudeanaes ...	29.76	48	42	WNW	4	b	3	Holyhead ...	30.10	45	45	SSW	3	rm	3
Sumburgh Head ...	29.85	46	43	Z	0	c	1	Valencia ...	30.0	52	51	SW	6	sm	5
Stornoway ...	29.85	45	44	S	5	r	4	Scilly ...	30.25	51	50	WSW	4	o	4
Aberdeen ...	29.92	48	44	NW	3	c	1	Dungeness ...	30.09	52	48	N	4	c	2
Shields ...	29.98	50	44	W	4	c	2	London ...	30.13	52	47	W	4	c	*
Ardrossan ...	29.94	44	43	SSW	2	o	2	Yarmouth ...	30.08	47	43	NW	3	c	3
Malin Head ...	29.82	48	47	SSW	4	o	2	Jersey ...	30.27	50	47	W	3	b	3
Mullaghmore ...	29.91	50	49	SW	5	r	4	Rochefort ...	30.38	51	47	NW	5	b	2
Belmullet ...	29.91	49	49	SW	2	o	*								

## GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The Continental reports for yesterday morning showed that pressure was highest, 30.3 ins: and upwards, in an anticyclone lying over the Bay of Biscay and north of Spain, but relatively high 30.1 ins: and upwards, over Central Russia. A large area of low pressure, however, covered the whole of Central and Northern Europe, and a small depression, with readings below 29.4 ins: lay over the southern part of the Baltic. The wind was light or moderate from the SE<sup>2</sup> over Russia and the north of Scandinavia, but in our Islands, France, and Germany it was chiefly W<sup>1</sup> or NW<sup>1</sup>, while in Spain and Algeria it drew into E or NE. Rain was falling in Ireland as well as at some of the German stations, and snow in Sweden, but elsewhere the weather was generally fair. Temperature had fallen a little in most places, and readings ranged from between 50° and 60° over Southern Europe and the Mediterranean to 15° or less over Central and Northern Russia. The highest individual readings were 66° at Messina, 64° at Bay, Nemours, and Oran, and 63° at Biskia, Alicante and Malta; the lowest were 10° at Moscow, 12° at Archangel, 27° at Haparanda, 29° at Uleaborg and 31° at Kiew.

In the course of the day the centre of a large and rather deep depression advanced to the west of Scotland. The wind over our Islands therefore backed to the SW<sup>2</sup> and on our western coast it increased in force 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 8 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

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



# DAILY WEATHER REPORT.

for Monday 28<sup>th</sup> March 1887.

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

Issued by the Meteorological Office, 16, Victoria Street, London, W. H. SCOTT, Secretary.																		
STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		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 ..	29.99	26	2	0	6	29.99	+0.06	32	30	+1	2	0	0	*	39	23	Ind.	
Hernösand ...	29.86	33	2	0	0	29.91	+0.04	34	34	0	E.N.E.	2	0	*	36	32	0.04	
Stockholm ...	29.74	33	N.E.	2	S	29.74	+0.07	34	33	+1	N.E.	2	0	*	34	30	0.04	
Wisby ...	29.60	36	E	2	0	29.61	+0.05	37	36	+1	N.E.	4	0	*	39	34	0.04	
Bodö ...	29.88	36	E.N.E.	4	6	29.87	-0.01	36	33	+2	E	2	0	1	?	34	-	
Christiansund...	29.59	37	E.S.E.	1	6	29.73	00	42	35	+6	2	0	0	1	45	32	-	
Skudesnaes ...	29.55	39	S.S.E.	6	λ	29.78	+0.07	41	36	+4	E.S.E.	4	0	4	?	37	-	
Christiania Fjord (Fjorder)	29.69	38	N.E.	2	0	29.79	-0.01	36	35	+2	N.E.	2	0	1	?	?	-	
Skagen (The Scaw)	29.63	37	E	1	6	29.75	-0.03	36	35	+1	E	2	0	1	41	34	-	
Fanö ...	29.52	37	N.W.	4	0	29.67	-0.15	35	34	-2	E.N.E.	4	0	*	43	34	0.20	
BRITISH ISLANDS.																		
Sumburgh Head	29.18	43	W	4	λ	29.75	+0.43	43	42	+2	N.W.	4	0	4	45	40	0.22	
Stornoway ...	29.66	44	N.W.	7	6	29.98	+0.53	47	47	+3	W	5	0	4	48	40	0.18	
Wick ...	29.44	45	N.W.	8	0	29.91	+0.54	45	43	0	N.W.	3	0	2	49	40	0.02	
Nairn ...	29.62	43	W	8	C	29.95	+0.49	44	42	0	S.W.	1	0	1	49	40	0.06	
Aberdeen...	29.61	44	W	4	6	29.88	+0.39	46	42	-3	N.W.	7	0	3	52	41	0.05	
Leith ...	29.75	47	W	8	C	29.99	+0.39	47	42	0	W	2	0	*	52	40	0.03	
Shields ...	29.74	48	W	6	6	29.96	+0.28	44	41	-3	W	4	0	2	54	39	-	
Spurn Head ...	29.81	46	N.W.	6	6	29.98	+0.20	42	40	-4	N.W.	6	0	3	49	40	0.01	
York ...	29.85	48	N.W.	3	6	30.03	+0.25	45	41	-4	N.W.	3	0	*	55	38	-	
Loughborough	29.95	48	N.W.	5	6	30.07	+0.20	46	42	-2	N.W.	5	0	*	55	41	0.01	
Ardrossan ...	29.82	45	W	6	gyp	30.07	+0.37	47	46	+1	N.W.	4	0	3	49	41	0.11	
Malin Head ...	?	44	N.W.	3	6	30.15	+0.27	46	45	+2	W	3	0	3	47	41	-	
Mullaghmore ...	30.06	46	N.W.	6	6	30.22	+0.33	46	45	-1	N.W.	4	0	3	50	44	0.05	
Belmullet ...	30.10	48	N.W.	6	6	30.26	+0.30	49	47	+4	N.W.	2	0	*	49	44	0.09	
Donaghadee ...	29.95	48	N.W.	6	6	30.15	+0.33	46	44	0	N.W.	5	0	3	51	44	0.01	
GERMANY.																		
Barrow-in-Furness	29.90	45	W	4	6	30.09	+0.29	45	43	-1	N.W.	4	0	*	49	42	-	
Liverpool (Bidston)	29.97	45	W	6	C	30.12	+0.26	45	43	-1	W	7	0	4	49	42	-	
Holyhead ...	30.01	47	W	4	6	30.20	+0.31	45	44	-2	N.W.	5	0	4	51	42	0.01	
Parsonstown ...	30.13	49	W	1	C	30.29	+0.30	45	43	-1	S.W.	1	0	*	52	37	0.04	
Valencia ...	30.26	50	N.W.	4	6	30.35	+0.23	50	49	+2	N.W.	2	0	2	53	44	0.01	
FRANCE & NETHERLANDS.																		
Roche's Point...	30.19	49	N.W.	5	6	30.29	+0.22	46	43	-2	N.W.	2	0	3	52	42	-	
Pembroke ...	30.11	47	W	3	6	30.27	+0.32	45	41	-1	N.W.	4	0	4	48	44	-	
Scilly ...	30.14	49	N.W.	6	6	30.29	+0.16	49	48	0	N.W.	4	0	5	51	46	-	
Prawle Point ...	30.16	48	N.W.	5	6	30.26	+0.17	48	45	+2	N.W.	2	0	5	55	38	-	
Jersey ...	30.17	46	N.W.	5	6	30.24	+0.07	45	44	-1	N.W.	3	0	3	50	42	-	
Hurst Castle ...	30.06	51	N.W.	5	6	30.19	+0.14	44	42	-1	N.W.	3	0	2	55	40	0.02	
Dungeness ...	29.95	53	N.W.	4	C	30.06	+0.07	44	42	0	N.W.	4	0	2	56	36	0.08	
London ...	29.97	51	N.W.	3	6	30.10	+0.15	46	41	-2	N.W.	3	0	*	58	39	0.01	
Oxford ...	30.04	46	W	3	6	30.15	+0.19	44	41	-2	W	3	0	*	55	40	0.02	
Cambridge ...	29.97	45	W	2	6	30.07	+0.17	45	43	-3	N.W.	2	0	*	56	38	0.07	
Yarmouth ...	29.81	50	N.W.	5	6	29.97	+0.11	43	41	-2	N.W.	4	0	4	54	37	0.04	
Cuxhaven ...	29.64	39	N.W.	4	λ	29.68	-0.20	43	42	+2	N.W.	6	0	*	44	39	0.36	
Berlin ...	29.70	42	2	0	λ	29.63	-0.24	41	40	+3	N.W.	4	0	*	46	?	0.32	
Wiesbaden ...	*	*	*	*	*	29.93	-0.17	48	40	+3	W	4	0	*	46	39	0.39	
Munich ...	29.98	39	W	7	λ	29.95	-0.18	35	35	0	W	5	0	*	43	34	0.12	
PENINSULA.																		
The Helder ...	29.77	41	N.W.	3	6	29.87	-0.02	41	39	+1	N.W.	4	0	3	45	39	0.28	
Brussels ...	*	*	*	*	*	30.00	00	42	40	0	N.W.	4	0	*	49	40	0.24	
Cape Gris Nez...	29.95	46	N.W.	5	0	30.06	+0.05	40	40	-4	N.W.	4	0	5	46	?	0.08	
Paris ...	30.11	49	W	4	6	30.15	-0.06	41	40	-1	N.W.	4	0	*	53	37	0.04	
Brest ...	30.27	49	N.W.	4	0	30.30	+0.06	44	41	-4	N	4	0	3	52	39	-	
Lorient ...	30.25	48	N.W.	5	6	30.32	+0.05	42	41	+5	N.W.	3	0	4	52	39	-	
Rocheport ...	30.30	50	N.W.	4	0	30.30	-0.06	44	43	-2	N	5	0	2	57	39	-	
Belfort ...	30.13	41	S.W.	1	λ	30.01	-0.20	40	39	0	S.W.	1	0	*	46	38	0.12	
Lyons ...	30.22	49	E	1	0	30.17	-0.14	44	42	+4	N.W.	3	0	*	54	?	-	
Nice ...	30.06	52	2	0	6	29.91	-0.19	46	40	-4	E	1	0	2	61	43	-	
Perpignan ...	30.18	49	N.W.	3	C	30.15	-0.15	54	47	+6	N.W.	3	0	*	66	?	-	
Biarritz ...	30.22	53	N.E.	7	0	30.28	-0.07	46	44	+2	E.N.E.	4	0	2	59	43	-	
Corunna ...	*	*	*	*	*	30.14	-0.11	53	50	+7	E.N.E.	7	0	4	66	45	-	
Lisbon ...	30.21	68	N.E.	7	6	29.90	-0.21	57	51	0	N.E.	7	0	2	75	55	-	

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts.



# WEATHER CHARTS

for 8 a.m. on Monday, 28<sup>th</sup> March 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.

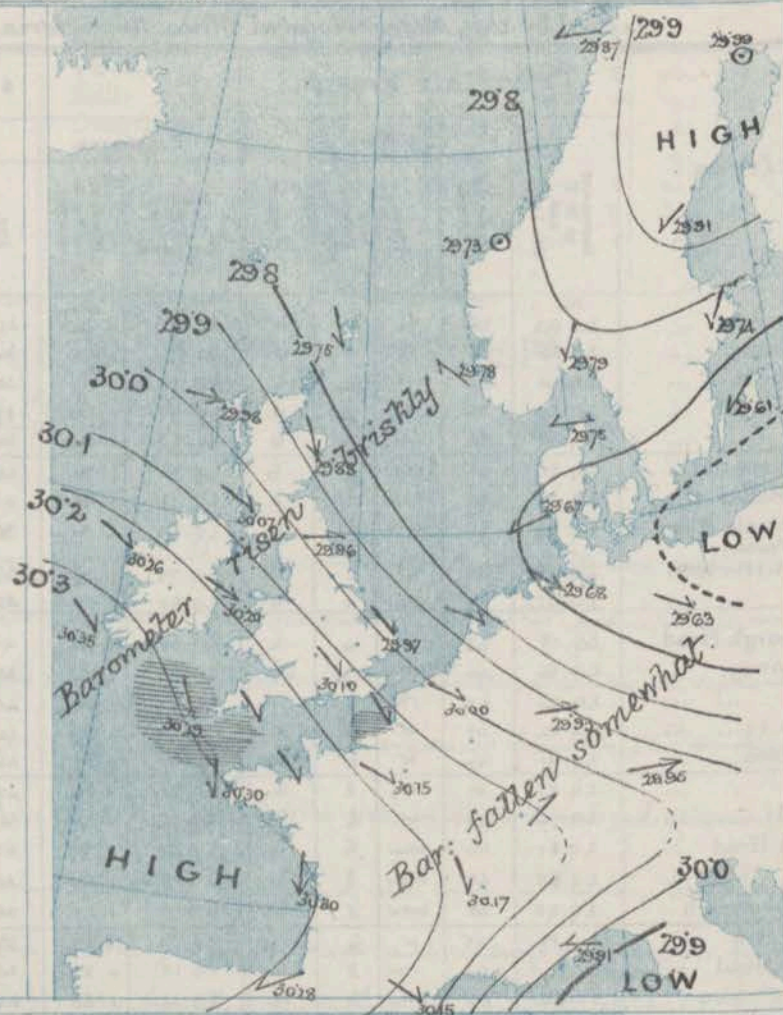
**Sea Disturbance**—where considerable is shown thus

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.870
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roche's Point	29.936
Pembroke	29.942
Scilly	29.988
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.902
Cambridge	29.952
Yarmouth	29.934



## 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.

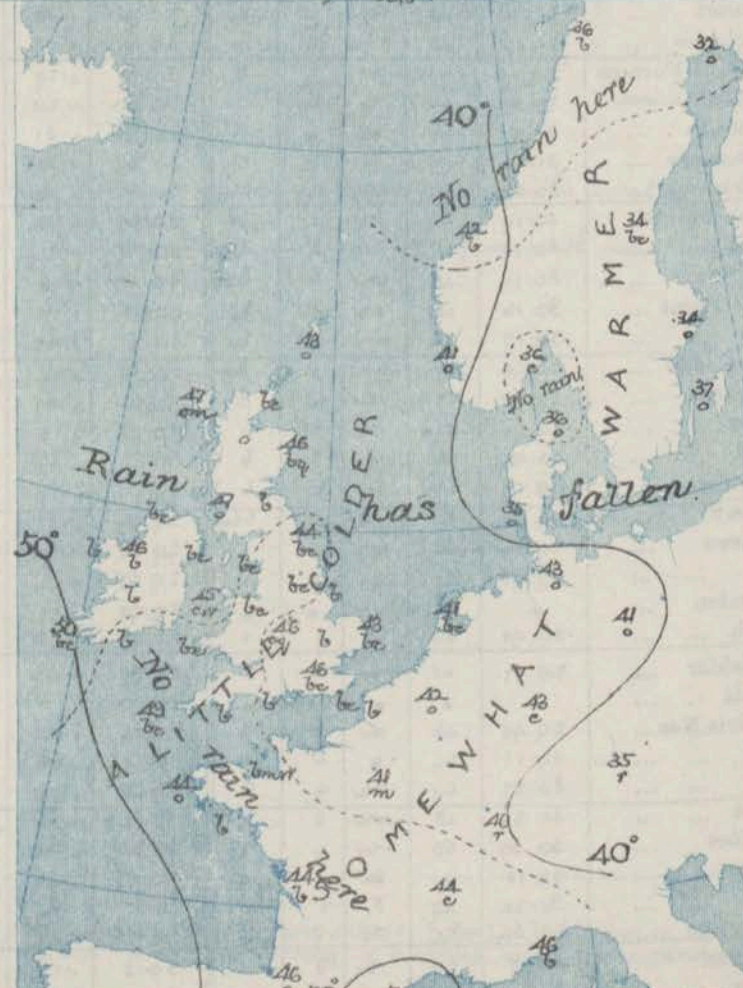
**Rainfall**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 5 a.m.		
			Dry	Wet	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.69
Valencia	51.8	40.8	45.6	43.6	4.24
Roche's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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 Bay of Biscay and SW. of Ireland, 30.0 ins. over Finland. Lowest, about 29.6 ins. over N. Germany and the Baltic, and about 29.9 ins. over the south of Portugal. Gradients moderate in the north and east. Slight in the west and south and over Scandinavia. Barometer rising generally - fast in the north.
TEMPERATURE	Highest, 57° at Lisbon, 54° at Liffey, 50° at Valencia, and 49° at Lundy. Lowest, 42° at Spurn Head and Christiansund, 32° to 37° in Sweden and Denmark, and 35° at Munich. It is falling slowly and unequally over the British Isles generally.
WIND	NW to W over the British Isles, France, and Germany, NE over Scandinavia. It blows a strong and squally breeze over the major part of Great Britain, and a moderate breeze in Ireland the Channel and Bay of Biscay.
WEATHER	Fine and bright in the west, rather more cloudy elsewhere, overcast at some of the Scotch stations. In London clouds of the Cumulus and fringed Cumulus type are rising from the NW and increasing in amount. Showers fell yesterday except in the south-west and in Norway, but were slight at the English stations.
SEA	Rather rough at the mouth of the Channel, moderate or slight elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed in the north yesterday has disappeared and the barometer appears to be still rising quickly in the northwest, and slightly on our other coasts. Over France and Germany, however, the mercury is falling, but the depressions over Germany and the Gulf of Genoa do not seem likely to affect the weather on our coast much.

At present the tendency is favourable for a decrease in the steepness of the gradients for NW winds over our Islands and consequently for a gradual decrease in the strength of the wind and some improvement in the weather.

## FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW and W winds, fresh or moderate; some showers with bright intervals.	6 SCOTLAND WEST	Same as No 0
1 SCOTLAND EAST	NW winds, strong, a gale in some squalls; showery to fair.	7 ENGLAND N. W.	Same as No 1.
2 ENGLAND N. E.	----- D° ----- D° ----- D° -----	8 ENGLAND S. W.	NW winds, fresh or strong to moderate; fair as a whole.
3 ENGLAND EAST	Same as No 5.	9 IRELAND NORTH	NW winds, moderate or fresh; fair.
4 MIDLAND COUNTIES	Same as No 5.	10 IRELAND SOUTH	----- D° ----- D° ----- D° -----
5 ENGLAND SOUTH	NW winds, strong, squally, some showers with bright intervals.	WARNINGS	The cone is still up in districts 0 to 3 with 5, 7 and 8.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.57	40	37	SSE 6	0	4	Holyhead ...						
Sumburgh Head							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						*
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rochefort ...	30.26	53	50	NW 4	bc	2
Belmullet ...													

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

The Continental reports for yesterday morning showed that pressure was highest (30.3 ins and upwards) over Spain, the Bay of Biscay, and the south-west of France, but relatively high (30.0 ins and upwards) over Northern Russia. The lowest readings (29.4 ins and less) were found in a depression having its centre off the north of Scotland, but low pressures (29.6 ins and less) were reported in a small disturbance which was lying over the Baltic. Light breezes from E or SE prevailed over Russia and Northern Europe, but over the greater part of our islands and France the wind blew strongly from the W<sup>d</sup> while in Spain it drew into NE or E. Rain was falling over the east and south-east of England as well as in the Netherlands, and showers on our extreme western coasts, but elsewhere the weather was mostly fair. Temperature had fallen a little over Central and Southern Europe, but risen elsewhere; readings ranged from between 55° and 65° over Spain, Algeria and Southern Italy to 32° or less over Central and Northern Russia. The highest individual readings were 62° at Oporto, 61° at Oren, Biskra and Alicante and 59° at Lpaf, Annale and San Fernando; the lowest were 23° at Archangel, 29° at St-Petersburg, 30° at Hermannstadt and Nicolaiev and 31° at Hong and Odessa.

In the course of the day the depression to the northward of our islands moved slowly eastwards, and in its rear the wind increased to a gale from NW on our extreme northern coasts. Over England the weather improved greatly and in London the thermometer rose to a maximum of 58°.

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

FROM THE 20<sup>TH</sup> TO THE 26<sup>TH</sup> MARCH. 1887.

The weather of the past week has been in a squally showery condition with gales in most parts of the United Kingdom. The SW to W gale which prevailed over the south of England on Wednesday morning was, in some places, very severe.

At the commencement of the period a gradual change in the distribution of pressure was taking place. The anticyclone noticed over our islands at the close of the previous week was moving eastwards to Scandinavia and Northern Europe, and a fall of the barometer was in progress over the whole of our islands and France. On Monday depressions began to arrive off our west coast, and during the remainder of the week the following disturbances were observed:—

1. A large and rather deep "V-shaped" depression the centre of which moved northwards along the Irish and Scotch coast. On the morning of the 22<sup>nd</sup> the trough of this depression extended south-eastward over England, and strong winds or gales were experienced generally from west in the west and south, and from SE or S in the north and east. Over Scotland and the north of England snow or sleet was experienced.

2. A well-defined and rather deep subsidiary disturbance, the centre of which advanced quickly in an east-north-easterly direction over Ireland and England during the night of the 22<sup>nd</sup>, occasioning strong gales from SW and W over all the more southern parts of the Kingdom. In the course of the ensuing 24 hours this system moved away to the north of Denmark, where it apparently dispersed, but in its rear several small shallow depressions passed across our islands, occasioning strong squally W<sup>d</sup> winds and frequent showers.

3. A large and rather deep depression which advanced to the west of Scotland on the evening of the 26<sup>th</sup>, occasioning strong SW winds in the west and north-west generally, and heavy rain in Ireland.

At the commencement of the week temperature was very low for the time of year, the maximum readings on the 20<sup>th</sup> being below 40° at many of the English stations. Towards the close of the period, however, the thermometer rose decidedly, and on the 26<sup>th</sup> the maxima varied between 50° and 55°.

## 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 29<sup>th</sup> March

1887.

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

Issued by the Meteorological Office, No. Victoria Street, London, W. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)		Reading at 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.			
	In.	°				In.	In.	°	°	°				°	°	In.			
SCANDINAVIA.																			
Haparanda ..	29.98	34	Z	0	0	29.96	-0.03	33	1	+1	Z	0	0	*	39	21	-		
Hernösand ...	29.95	30	Z	0	0	29.88	-0.03	32	31	-2	NNE	2	0	*	43	28	-		
Stockholm ...	29.89	32	NNE	2	0	29.86	+0.12	31	30	-3	Z	0	0	*	43	30	-		
Wisby ...														*					
Bodö ...	29.80	38	SE	2	0	29.81	-0.06	35	32	-1	ENE	4	0	2	43	34	0.08		
Christiansund...	29.75	43	SW	4	0	29.81	+0.08	39	38	-3	W	4	0	4	45	32	0.47		
Skudesnaes ...	30.07	40	Z	0	0	30.06	+0.28	43	41	+2	NW	4	0	3	46	21	-		
Christiania Fjord (Fjorder)	29.98	37	WNW	2	0	29.86	+0.07	38	36	+2	W	4	0	2	39	36	-		
Skagen (The Scaw)	29.99	39	NE	1	0	29.89	+0.14	38	36	+2	NW	3	0	2	41	32	-		
Faßö ...	?	36	N	4	0	30.10	+0.43	37	36	+2	W	4	0	*	43	32	-		
BRITISH ISLANDS.																			
Sumburgh Head	29.96	46	WNW	2	0	30.13	+0.38	45	43	+2	Z	0	0	3	49	40	-		
Stornoway ...	30.12	49	W	5	0	30.24	+0.26	44	44	-9	SEW	2	0	2	50	40	-		
Wick ...	30.08	45	NW	6	0	30.23	+0.32	47	45	+2	NW	4	0	1	53	41	-		
Nairn ...	30.02	50	W	1	0	30.26	+0.31	47	44	+3	Z	0	0	1	52	42	-		
Aberdeen...	30.11	50	NW	1	0	30.25	+0.37	47	43	+1	NW	4	0	2	54	40	-		
Leith ...	30.17	51	W	3	0	30.29	+0.30	44	42	-3	W	1	0	3	59	39	-		
Shields ...	30.16	47	NNE	2	0	30.28	+0.32	45	43	+1	W	2	0	2	55	40	-		
Spurn Head ...	30.12	44	N	5	0	30.29	+0.21	43	41	+1	S	1	0	3	50	37	-		
York ...	30.16	48	NNE	1	0	30.31	+0.28	45	44	0	WNW	1	0	*	56	41	0.05		
Loughborough	30.17	49	WNW	4	0	30.32	+0.25	44	43	-2	Z	0	0	*	54	42	-		
ARDROSSAN.																			
Ardrossan ...	30.22	47	W	1	0	30.31	+0.24	44	43	-3	ESE	1	0	0	50	39	-		
Malin Head ...	30.27	46	W	3	0	30.32	+0.17	44	43	-2	W	2	0	2	46	41	-		
Mullaghmore	30.30	48	NW	2	0	30.32	+0.10	45	42	-1	SEW	1	0	2	52	41	-		
Belmullet ...	30.32	49	NW	3	0	30.30	+0.04	46	43	-3	SE	1	0	*	51	43	-		
Donaghadee ...	30.27	49	NE	3	0	30.34	+0.19	46	43	0	W	2	0	0	55	43	-		
GERMANY.																			
Barrow-in-Furness	30.21	48	NNE	3	0	30.30	+0.21	39	38	-6	N	2	0	*	48	37	-		
Liverpool (Bidston)	30.24	46	W	3	0	30.34	+0.22	45	43	0	W	1	0	2	48	41	-		
Holyhead ...	30.27	48	WNW	2	0	30.34	+0.14	46	45	+1	Z	0	0	0	51	41	-		
Parsonstown ...	30.33	51	NW	1	0	30.33	+0.04	40	39	-5	Z	0	0	*	55	31	-		
Valencia ...	30.34	50	NW	2	0	30.29	-0.06	50	46	0	ESE	4	0	5	55	39	-		
FRANCE & NETHERLANDS.																			
Roche's Point...	30.30	52	WSW	2	0	30.33	+0.04	43	41	-3	W	1	0	3	54	37	-		
Pembroke ...	30.31	45	WNW	2	0	30.32	+0.05	43	42	-2	NE	2	0	1	48	42	-		
Scilly ...	30.33	49	N	2	0	30.28	-0.01	50	48	+1	ENE	4	0	4	57	44	-		
Prawle Point ...	30.29	50	NNE	2	0	30.30	+0.04	50	46	+2	NNE	2	0	2	61	40	-		
Jersey ...	30.26	47	NW	2	0	30.27	+0.03	45	44	0	NE	4	0	3	50	43	-		
NETHERLANDS.																			
Hurst Castle ...	30.22	50	NNE	3	0	30.32	+0.13	42	41	-2	ENE	3	0	2	55	39	-		
Dungeness ...	30.13	52	N	4	0	30.28	+0.22	41	40	-3	NE	3	0	2	53	39	0.01		
London ...	30.17	51	NW	4	0	30.32	+0.22	41	38	-5	NE	2	0	*	54	40	-		
Oxford ...	30.24	46	NW	4	0	30.34	+0.19	43	41	-1	NE	1	0	*	54	36	-		
Cambridge ...	30.16	48	N	2	0	30.34	+0.27	42	40	-3	NE	1	0	*	57	39	0.01		
GERMANY.																			
Yarmouth ...	30.05	45	NW	5	0	30.31	+0.34	42	40	-1	NNE	1	0	3	49	35	-		
Cuxhaven ...	29.87	39	NW	3	0	30.17	+0.49	40	40	-3	NNE	3	0	*	46	34	0.12		
Berlin ...	29.82	40	WNW	1	0	30.04	+0.41	36	35	-5	NW	3	0	*	48	39	-		
Wiesbaden ...	*	*	*	*	*	30.13	+0.20	42	41	-1	Z	0	0	*	48	39	-		
Munich ...	30.00	36	W	3	0	30.08	+0.13	33	33	-2	W	4	0	*	45	32	0.20		
FRANCE & NETHERLANDS.																			
The Helder ...	?	40	?	3	0	30.26	+0.39	38	37	-3	NE	1	0	2	43	37	-		
Brussels ...	*	*	*	*	*	30.23	+0.23	38	37	-4	NNE	1	0	*	49	37	0.04		
Cape Gris Nez...	30.11	45	WSW	1	0	30.22	+0.16	44	38	+6	ENE	5	0	4	52	39	-		
Paris ...	30.16	49	NNE	5	0	30.19	+0.04	40	38	-1	N	7	0	*	52	39	-		
Brest ...	30.31	48	N	5	0	30.28	-0.02	43	41	-1	ENE	4	0	3	57	41	-		
FRANCE & NETHERLANDS.																			
Lorient ...	30.28	50	NNE	4	0	30.31	-0.01	43	41	+1	E	3	0	2	55	39	-		
Rockfort ...	30.25	50	NNE	4	0	30.24	-0.06	42	41	-2	NNE	3	0	2	57	36	-		
Belfort ...	30.07	41	SW	3	0	30.09	+0.08	44	42	+4	SW	1	0	*	48	34	0.24		
Lyons ...	30.13	44	N	5	0	30.14	-0.03	39	37	-5	NNE	3	0	*	53	36	-		
Nice ...	29.81	50	Z	0	0	29.88	-0.03	48	43	+2	E	1	0	1	59	41	-		
NETHERLANDS.																			
Perpignan ...	30.06	57	NW	4	0	30.13	-0.02	48	42	-6	SW	4	0	*	66	34	-		
Biarritz ...	30.19	52	NE	5	0	30.16	-0.12	42	41	-4	E	5	0	1	54	39	-		
PENINSULA.																			
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-		
Lisbon ...	29.79	63	NE	7	0	29.77	-0.13	56	55	-1	ENE	5	0	2	64	55	-		

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Tuesday, 29<sup>th</sup> March

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 March.  
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS
	in.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghaden	29.880
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roche's Point	29.936
Pembroke	29.942
Scilly	29.968
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



## 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.

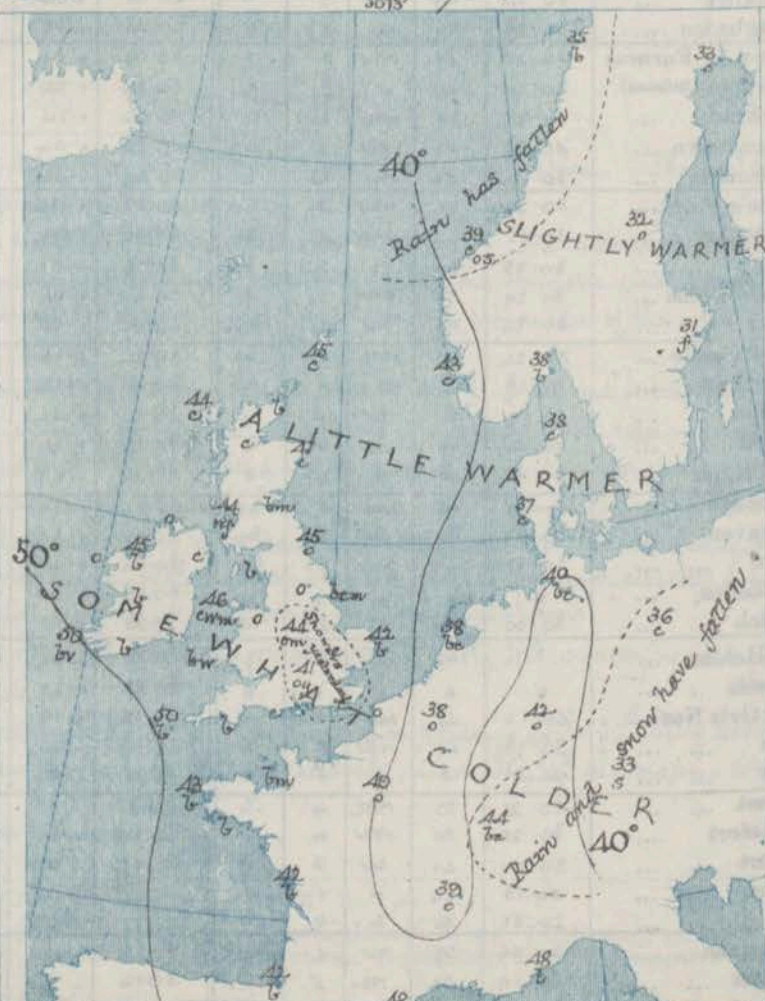
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS.	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.	At 8 a.m.	
			Dry	Wet	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghaden	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.69
Valencia	51.8	40.8	45.0	43.6	4.24
Roche's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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





## GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.3 in. and more, over England, Wales and Ireland.  
Lowest, 29.8 in. and less, over the northwest of Spain and the northwest of Norway.  
29.9 in. and less, over the Gulf of Genoa.  
Gradient very slight over our Islands, moderate over the Peninsula, and also over the eastern part of the North Sea.  
Barometer rising except over the south-west of Ireland, the Bay of Biscay and Scandinavia.

TEMPERATURE

Highest,  $56^{\circ}$  at Lison,  $50^{\circ}$  at Kalsenia, Selly and Howe Point,  $47^{\circ}$  in the north east of Scotland.  
Lowest,  $31^{\circ}$  to  $33^{\circ}$  at the Swedish stations,  $33^{\circ}$  at Munich,  $39^{\circ}$  at Lyons,  $41^{\circ}$  in London.  
It is inclined to rise at our northern stations, but to fall a little over England.

WIND

Light to moderate from NE at the southern stations (Strong N<sup>o</sup> at Paris)  
Very light and variable over greater part of the British Isles.  
NN<sup>o</sup> to N<sup>o</sup> over the North Sea, Denmark, Norway, and Germany.  
It is inclined to freshen from the E<sup>nd</sup> at Palermo.

## WEATHER

(Dry generally; fair, but hazy (and in some places dull), over the British Isles.  
 Fine in the west and south of France, dull over Central France, fair over Scandinavia; snow is falling at Munich.  
 Rain has fallen in the west of Norway and at Berlin.

SEA

Very little disturbed.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The decrease of pressure over Spain is spreading northwards, and appears to have reached Valencia, where the barometer is now falling a little; at our northern and eastern stations, however, the barometer is still rising. Some increase in the strength of the E<sup>2</sup> wind is likely to take place in the south of Ireland and at the mouth of the Channel shortly, and possibly over our southern counties later on. Fair dry weather is probable over the British Isles and the Channel, but rather foggy weather in the north-east. The daily range of temperature at the inland stations will be considerable - the night probably cold.

## FORECASTS

for the 24 hours ending at NOON on 30<sup>th</sup> March. 1887.

DISTRICTS.		FORECASTS.		DISTRICTS.		FORECASTS.	
0	SCOTLAND NORTH	W <sup>1</sup> / <sub>2</sub> (NW to SW) breezes, light and fine, to moderate and showery.		6	SCOTLAND WEST	Light airs, fine and hazy.	
1	SCOTLAND EAST	NW <sup>1</sup> / <sub>2</sub> breezes, light; fine, hazy or foggy in morning.		7	ENGLAND N. W.	-----D°-----D°-----D°-----	
2	ENGLAND N. E.	-----D°-----D°-----D°-----		8	ENGLAND S. W.	Same as N° 5 at first, wind freshening later.	
3	ENGLAND EAST	Same as N° 5		9	IRELAND NORTH	SE <sup>1</sup> / <sub>2</sub> and S <sup>1</sup> / <sub>2</sub> breezes, light; fine.	
4	MIDLAND COUNTIES	Calms and variable airs; dry but hazy or foggy. Cold at night.		10	IRELAND SOUTH	SE <sup>1</sup> / <sub>2</sub> breezes, freshening decidedly; fair.	
5	ENGLAND SOUTH	NE <sup>1</sup> / <sub>2</sub> breezes, light; fair hazy, dry.		WARNINGS		NONE ISSUED.	



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wva.	Sea.		Bar.	Dry.	Wet.	Wind.	Wva.	Sea.
Skudesnaes ...	29.78	46	40	W 1/4	4	3	Holyhead ...	30.25	51	48	W 1/4	4	4
Sumburgh Head ...	29.91	46	43	W 3	0	4	Valencia ...	30.36	54	49	NW 2	bc	2
Stornoway ...	30.06	49	49	W 5	0 m	4	Scilly ...	30.32	51	49	NW 2	bc	4
Aberdeen ...	30.04	53	49	NW 4	0	3	Dungeness ...	30.11	51	47	N 4	bc	2
Shields ...	30.06	54	49	N 1	0	2	London ...	30.13	53	45	NW 5	c	*
Ardrossan ...	30.17	49	48	NW 3	0	3	Yarmouth ...	30.03	47	43	NW 5	cq	4
Malin Head ...	?	46	41	W 3	0	3	Jersey ...	30.26	49	45	NW 3	b	3
Mullaghmore ...	30.28	50	48	W 4	0 m	3	Rochefort ...	30.30	56	51	NW 4	bc	5
Belmullet ...	30.31	51	48	W 2	0	*							

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

Yesterday morning's reports showed a considerable recovery of pressure over Northwestern Europe, so that the readings varied from a little above 30.3 ins. over the Bay of Biscay and southwest of Ireland to 29.5 ins. over the Russian Baltic Provinces, to rather below 29.7 ins. over the Shetland Isles, and to about 29.9 ins. over the Gulf of Genoa and the southwest of Spain. Thus, while NW breezes, moderate to strong in force, prevailed over the British Isles and France, and drew around into W. over Germany—accompanied by showers of rain in some localities and clear sky in others—light NE breezes were felt over Scandinavia, the Gulf of Bothnia and Northern Russia, with variable amounts of cloud, and in several places fog. Temperature had fallen a little over Western Europe, but not changed elsewhere, and varied from a little above 60° in Portugal and on the southwest shores of the Mediterranean to between 45° and 49° over the greater part of the British Isles, and to a few degrees <sup>below</sup> the freezing point over Central and Northern Russia. The highest individual readings were 63° at Oporto, 62° at Oran (Algeria), 60° at Nemours and San Fernando, 56° at Barcelona and Palermo and 54° at Cagliari; Sanguinaire and Impergnan; the lowest 27° at Kuopio, 23° at Archangel, 30° at Moscow and Hummstadt, and 32° at Haparanda.

During the day the barometer continued to rise over the British Isles and to fall over Spain. The wind over the British Isles lulled, and began to veer northwards in the south, and the weather became very fine and dry over Northwestern Europe generally.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Wednesday 30<sup>th</sup> March 1887.  
Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 16, Victoria Street, London, W. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.			Weather.	BAROMETER.		SHADE TEMP.			WIND.			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.		
	Inch.	°					Inch.	Inch.	°	°	°					°	°	Inch.	
SCANDINAVIA.																			
Haparanda ..	30.10	28	2	0	6		30.11	+ .15	19	19	- 14	SE	2	0	*	37	?	—	
Hernösand ...	30.14	28	2	0	6		30.22	+ .34	29	28	- 3	2	0	6	*	39	27	—	
Stockholm ...	30.04	33	N	2	c		30.15	+ .29	33	32	+ 2	NNE	2	c	*	41	27	—	
Wisby ...	29.86	35	NE	4	0		30.00	+ .20	38	36	+ 2	NE	4	0	*	43	34	—	
Bodö ...	30.07	37	SE	2	0		30.10	+ .29	36	34	+ 1	E	2	c	1	41	34	—	
Christiansund...	30.18	41	NW	4	r		30.20	+ .39	38	37	- 1	SE	1	6	4	43	32	0.35	
Skudesnaes ...	30.15	40	NNW	6	bc		30.28	+ .22	40	37	- 3	E	4	c	3	?	?	—	
Christiania Fjord (Fjærd)	30.04	39	NNE	2	6		30.25	+ .39	36	35	- 2	N	2	6	1	43	?	—	
Skagen (The Scaw)	30.00	37	NE	3	6		30.22	+ .33	37	35	- 1	ENE	2	6	2	45	36	—	
Fanö ...	29.97	37	NW	6	6		30.17	+ .07	36	33	- 1	NE	4	6	*	45	30	—	
BRITISH ISLANDS.																			
Sumburgh Head	30.21	46	2	0	c		30.19	+ .06	44	42	- 1	SW	1	c	1	50	40	0.02	
Stornoway ...	30.27	48	SSW	4	0		30.24	+ .00	46	45	+ 2	S	4	c	4	51	40	—	
Wick ...	30.25	47	NW	2	bc		30.25	+ .02	45	42	- 2	SW	2	bc	0	53	41	—	
Nairn ...	30.26	50	2	0	c		30.27	+ .01	45	40	- 4	2	0	6	1	52	36	—	
Aberdeen...	30.27	50	NW	1	0		30.30	+ .05	45	42	- 2	SW	2	6	1	55	38	—	
Leith ...	30.31	50	NW	1	c		30.34	+ .05	44	42	0	W	1	bc	*	54	41	—	
Shields ...	30.29	47	NNE	1	0		30.34	+ .06	44	42	- 1	2	0	bc	2	54	43	—	
Spurn Head ...	30.25	45	NE	1	bc		30.30	+ .01	44	43	+ 1	N	3	bc	3	54	41	—	
York ...	30.28	53	ENE	1	0		30.34	+ .08	47	43	+ 2	NNW	1	0	*	60	41	—	
Loughborough	30.28	53	W	2	c		30.33	+ .01	44	42	0	N	1	bc	*	59	40	—	
GERMANY.																			
Ardrossau ...	30.32	46	SW	2	0		30.35	+ .04	43	41	- 1	E	2	c	1	49	36	—	
Malin Head ...	30.26	45	ESE	3	0		30.32	+ .00	45	43	+ 1	SSW	3	0	2	52	43	0.08	
Mullaghmore ...	30.28	51	2	0	6		30.35	+ .03	43	42	- 2	SSE	1	bc	2	58	36	—	
Belmullet ...	30.28	51	S	1	6		30.35	+ .05	46	44	0	SSE	1	c	*	55	41	—	
Donaghadee ...	30.34	47	SSW	2	bc		30.38	+ .04	41	39	- 5	W	3	6	1	49	38	—	
FRANCE & NETHERLANDS.																			
Barrow-in-Furness	30.30	45	N	2	bc		30.32	+ .02	40	38	+ 1	NNE	2	bc	*	50	38	—	
Liverpool (Bidston)	30.34	46	NW	1	6		30.36	+ .02	44	40	- 4	NW	1	0	1	50	38	—	
Holyhead ...	30.33	46	ENE	1	6		30.36	+ .02	44	43	- 2	NNE	1	bc	1	51	40	—	
Parsonstown ...	30.28	38	2	0	6		30.38	+ .05	40	39	0	2	0	6	*	60	31	—	
Valencia ...	30.26	51	SSE	4	bc		30.36	+ .07	47	44	- 3	NNE	1	bc	1	56	38	—	
PORTUGAL.																			
Roche's Point...	30.31	49	SE	2	6		30.34	+ .01	41	39	- 2	NNW	2	6	3	52	36	—	
Pembroke ...	30.29	50	NNE	1	6		30.33	+ .01	44	41	+ 1	NNE	2	6	1	53	40	—	
Scilly ...	30.25	49	ESE	4	bc		30.29	+ .01	47	46	- 3	E	3	bc	3	53	43	—	
Prawle Point ...	30.31	43	NNE	2	6		30.32	+ .02	48	45	- 2	N	1	6	1	51	37	—	
Jersey ...	30.25	44	E	3	bc		30.29	+ .02	43	41	- 2	NE	3	bc	3	47	38	—	
NETHERLANDS.																			
Hurst Castle ...	30.31	45	SSW	3	6		30.31	- .01	42	40	0	NNE	1	bc	0	52	33	—	
Dungeness ...	30.28	43	E	3	bc		30.28	0.0	43	43	+ 2	2	0	0	2	47	34	—	
London ...	30.28	47	N	2	bc		30.30	- .02	45	43	+ 4	NNE	1	c	*	54	38	—	
Oxford ...	30.30	48	2	0	c		30.34	0.0	45	41	0	NNW	1	c	*	56	41	—	
Cambridge ...	30.28	53	NE	1	6		30.31	- .03	47	45	+ 5	N	1	0	*	58	41	—	
FRANCE & NETHERLANDS.																			
Yarmouth ...	30.25	45	2	0	bc		30.27	- .04	45	42	+ 1	NNW	2	c	3	48	40	—	
Cuxhaven ...	30.06	39	NW	4	bc		30.16	- .01	38	37	- 2	NE	3	bc	*	41	36	—	
GERMANY.																			
Berlin ...	29.89	39	NNW	5	0		29.95	- .09	36	34	0	NNW	4	0	*	43	34	0.16	
Wiesbaden ...	*	*	*	*	*		30.07	- .06	41	37	- 1	NNW	3	6	*	50	37	—	
Munich ...	30.20	35	W	2	c		29.97	- .11	34	33	+ 1	NW	4	0	*	39	32	0.24	
FRANCE & NETHERLANDS.																			
The Helder ...	30.20	41	NNW	3	f		30.19	- .07	40	39	+ 2	N	3	bc	3	43	37	—	
BRUSSELS.	*	*	*	*	*		30.24	+ .01	41	39	+ 3	N	4	0	*	49	?	—	
Cape Gris Nez...	30.27	41	NE	1	6		30.25	+ .03	42	41	- 2	E	5	0	3	48	37	—	
Paris ...	30.25	44	NE	1	6		30.24	+ .05	38	36	- 2	NW	1	bc	*	48	32	—	
Brest ...	30.21	32	ENE	5	6		30.25	- .03	41	37	- 2	ENE	4	6	2	61	34	—	
FRANCE & NETHERLANDS.																			
Lorient ...	30.19	53	E	5	6		30.24	- .10	?	39	?	ENE	4	6	2	55	37	—	
Rochefort ...	30.18	51	E	7	c		30.21	- .03	39	38	- 3	E	7	6	2	61	34	—	
Belfort ...	30.12	44	SW	3	6		30.06	- .03	40	37	- 4	?	3	0	*	49	33	—	
Lyons ...	30.11	44	NNW	5	6		30.15	+ .01	38	36	- 1	N	7	6	*	48	36	—	
Nice ...	29.95	50	2	0	6		29.84	- .04	49	38	+ 1	E	3	6	1	59	41	—	
FRANCE & NETHERLANDS.																			
Perpignan ...	29.78	54	NW	4	bc		30.05	- .08	45	39	- 5	W	3	6	*	59	37	—	
Biarritz ...	29.99	55	E	5	6		30.03	- .13	41	38	- 1	ENE	4	6	1	61	37	—	
PORTUGAL.																			
Corunna ...	*	*	*	*	*		*	*	*	*	*	*	*	*	*	*	*	*	
Lisbon ...	29.71	58	ENE	4	0		29.73	- .04	50	55	0	ESE	4	0	2	61	55	0.47	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on WEDNESDAY, 30<sup>th</sup> March.

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—

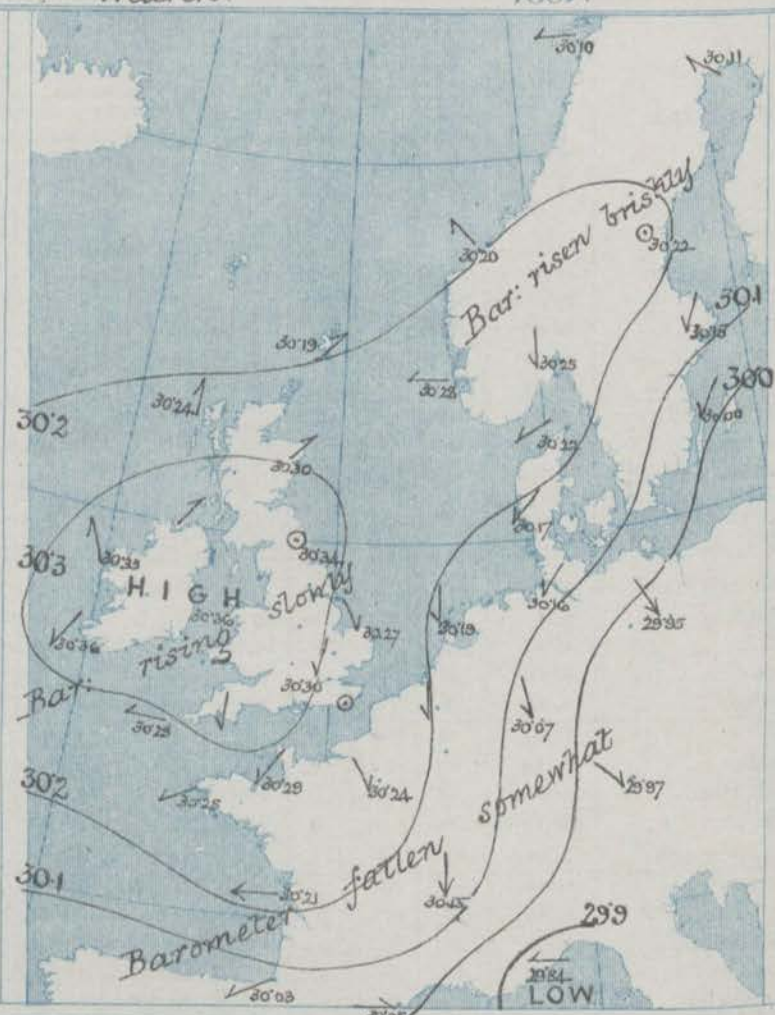
→ forces above 10, → forces 8 to 10,  
→ forces 5 to 7, → forces 1 to 4,  
○ = dead calm.

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

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roche's Point	29.936
Pembroke	29.942
Scilly	29.968
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.962
Yarmouth	29.934



## 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.

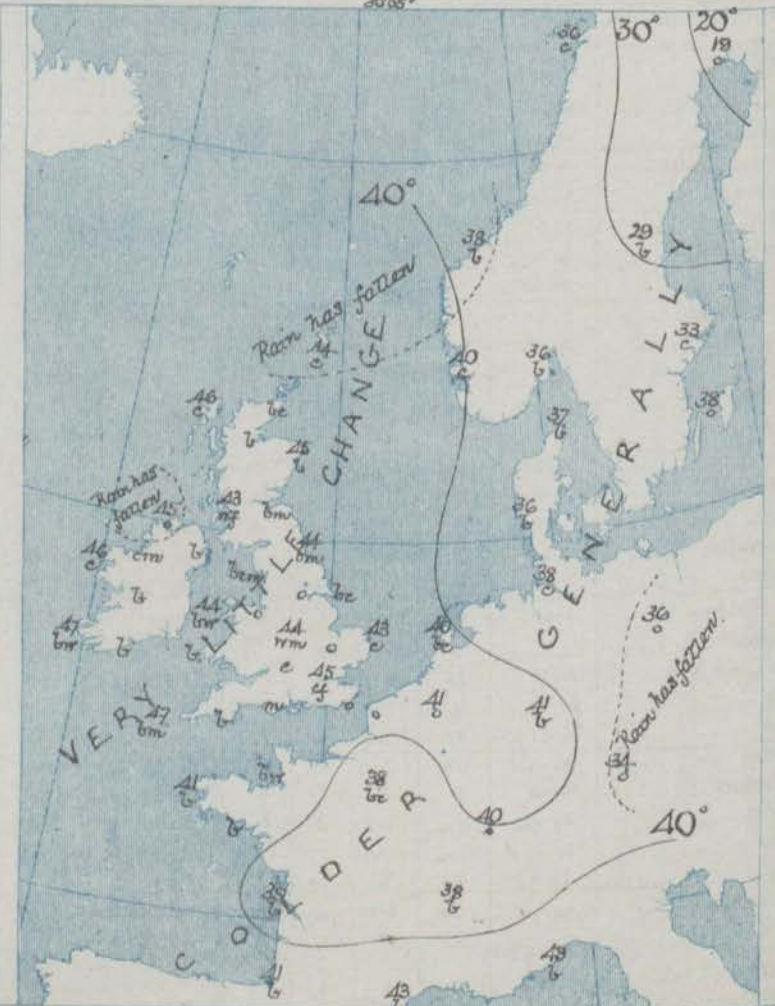
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry	Wet.	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.6	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.69
Valencia	51.8	40.8	45.6	43.6	4.24
Roche's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.5	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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 Ireland and England (30.38 ins at Parsonstown).  
Lowest, 30.1 ins at Spitz and Haparanda; about 30.0 ins over Spain and 29.8 ins over Gulf of Genoa.  
Gradients very slight in our islands, moderate over Central and Southern Europe.  
Barometer rising over England and Ireland - most in the west. Rising fast over Scandinavia, falling slowly in the Hebrides and Shetlands.

## TEMPERATURE

Highest, 56° at Lisbon, 64° at Nice, 47° at Valencia and Seville, 46° at Belmullet and Hornumay.  
Lowest, 19° at Haparanda, 29° at Haparanda, 34° at Munich, 36° at Jant.  
It rose to 6° at Reims and 32° at 60° at Upton and Parsonstown to 58° at Cambridge and Mullaghmore yesterday afternoon.

## WIND

Very light in our islands; chiefly NE<sup>ly</sup> and E<sup>ly</sup> in the south, S<sup>ly</sup> and SW<sup>ly</sup> in the north-west and north.  
Over Germany, it is N<sup>ly</sup> and NW<sup>ly</sup>, over France N<sup>ly</sup> to E<sup>ly</sup>.  
Moderate gales are reported, from N at Lyons and from E at Rochefort.

## WEATHER

Fine and dry generally, but foggy in several parts of Ireland and dull over Germany.  
Rain has fallen at several of the German and Baltic stations, and also at Malin Head.  
At Mullaghmore a solar halo is reported - the circus moving from west.

## SEA

Is slight or smooth except in the Minch and at Christiansund where it is moderate.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The changes of pressure now in progress are very slight, so that there is no important change of weather imminent.  
Some freshening of the S<sup>ly</sup> wind in the north is possible, however, as the barometer is inclined to fall at Hornumay and Lumburgh Head.

## FORECASTS

For the 24 hours ending at NOON on 31<sup>st</sup> March 1887.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	SW <sup>ly</sup> breezes, moderate to fresh; fair to showery.
1	SCOTLAND EAST	Calms and light airs; fine, mild, hazy.
2	ENGLAND N.E.	----- D° ----- D° -----
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	Calms and variable airs; dry, but foggy or hazy, cold at night.
5	ENGLAND SOUTH	N <sup>ly</sup> to NE <sup>ly</sup> breezes, light; fair, hazy, dry.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Same as N° 0.
7	ENGLAND N. W.	Same as N° 2.
8	ENGLAND S. W.	NE <sup>ly</sup> breezes, light, fine.
9	IRELAND NORTH	S <sup>ly</sup> and SW <sup>ly</sup> breezes; light or moderate; fair.
10	IRELAND SOUTH	N <sup>ly</sup> airs; fair generally.

### WARNINGS

None issued.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.10	47	41	NNW	6	bv	3	Holyhead ...	30.34	50	48	WNW	1	c	1
Sumburgh Head ...	30.10	48	47	WNW	1	c	3	Valencia ...	30.26	50	50	SSE	5	bv	5
Stornoway ...	30.25	50	48	SSW	3	a	3	Scilly ...	30.27	51	50	ESE	3	bm	4
Aberdeen ...	30.26	53	47	NNW	3	a	1	Dungeness ...	30.31	47	45	NE	3	bv	2
Shields ...	30.28	51	47	NE	1	a	2	London ...	31.31	52	45	NE	2	bm	*
Ardrossan ...	30.31	48	47	S	1	a	1	Yarmouth ...	30.29	44	42	E	1	b	3
Malin Head ...	30.28	47	44	ESE	3	b	1	Jersey ...	30.27	46	43	ENE	3	bv	3
Mullaghmore ...	30.28	57	50	SSE	1	bv	2	Rochefort ...	30.19	57	50	NE	5	c	2
Belmullet ...	30.28	55	50	SSW	1	b	*								

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

The Continental reports have not yet arrived.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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# DAILY WEATHER REPORT.

for Thursday 31<sup>st</sup> March 1887.

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

Issued by the Meteorological Office, No. 1, Pall Mall East, London, W. 1, S.W. 1, Secretary.																			
STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.		SHADE TEMP.		WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)			Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)	Max.			Min.				
SCANDINAVIA.																			
Haparanda ..	30.08	18	E	2	b	29.87	- .24	23	23	+ .4	Z	0	b	*	34	14	-		
Hernösand ...	30.08	31	Z	0	b	29.85	- .37	28	27	+ .1	Z	0	b	*	46	23	-		
Stockholm ...	30.14	36	Z	0	0	29.96	- .19	35	33	+ .2	S	2	0	*	45	28	-		
Wisby ...	30.08	32	N	2	b	30.02	+ .02	32	31	- .6	E	4	b	*	43	30	-		
Bodö ...	29.90	38	E	2	0	29.54	- .56	41	39	+ .5	S	2	0	1	43	34	-		
Christiansund...	29.97	42	SW	2	0	29.68	- .52	36	35	- .2	SW	2	N	N	46	34	0.12		
Skudesnaes ...	30.17	41	SW	2	0	29.79	- .49	42	41	+ .2	SW	4	N	N	48	?	0.20		
Christiania Fjord (Færder)	30.15	38	WSW	4	b	29.88	- .37	37	37	+ .1	WSW	6	C	N	41	?	-		
Skagen (The Scaw)	30.18	35	Z	0	b	29.97	- .25	36	35	- .1	WSW	2	0	1	43	32	-		
Fanö ...	30.22	36	N	2	C	30.05	- .12	36	35	0	W	4	C	*	45	32	-		
BRITISH ISLANDS.																			
Sumburgh Head	29.99	46	SW	3	N	29.58	- .61	42	42	- .2	SW	4	N	N	46	38	0.12		
Stornoway ...	30.15	45	W	5	od	29.80	- .44	46	46	0	W	6	NW	5	51	39	0.09		
Wick ...	30.08	51	W	2	0	29.70	- .55	44	42	- .1	SW	4	0	1	51	39	-		
Nairn ...	30.15	49	SW	2	bc	29.87	- .40	43	40	0	SW	2	C	2	56	40	0.05		
Aberdeen...	30.16	53	NW	1	C	29.90	- .40	43	40	- .2	WSW	2	C	1	56	41	-		
Leith ...	30.23	48	W	1	bc	29.99	- .35	44	42	0	W	1	ON	*	52	43	-		
Shields ...	30.25	47	S	1	m	30.01	- .39	46	44	+ .2	WSW	4	0	2	50	41	-		
Spurn Head ...	30.30	43	E	1	bc	30.07	- .23	43	41	- .1	W	3	agm	2	49	39	-		
York ...	30.31	50	S	1	bc	30.08	- .26	44	41	- .3	W	2	C	*	52	36	-		
Loughborough	30.31	49	NE	1	0	30.15	- .18	37	36	- .7	W	2	omw	*	50	32	-		
GERMANY.																			
Ardrossan ...	30.26	46	SW	2	bc	30.06	- .29	45	43	+ .2	W	4	0	3	49	42	-		
Malin Head ...	30.26	48	WSW	4	bm	30.09	- .23	43	43	- .2	WSW	3	0	3	55	48	0.05		
Mullaghmore ...	30.32	50	WSW	2	cm	30.21	- .14	45	44	+ .2	WSW	5	ON	4	57	42	0.01		
Belmullet ...	30.35	50	WSW	3	C	30.24	- .11	47	45	+ .1	WSW	4	0	*	55	44	0.03		
Donaghadee ...	30.29	51	SW	3	bc	30.14	- .24	45	43	+ .4	W	3	C	1	55	40	-		
FRANCE & NETHERLANDS.																			
Barrow-in-Furness	30.30	47	NW	2	bc	30.13	- .19	44	43	+ .4	W	2	bm	*	53	39	0.01		
Liverpool (Bidston)	30.32	45	NW	1	bc	30.13	- .23	45	43	+ .4	WSW	3	0	3	47	40	-		
Holyhead ...	30.33	45	NW	1	bc	30.18	- .18	45	44	+ .1	W	4	cmw	2	48	41	-		
Parsonstown ...	30.33	57	W	0	b	30.28	- .10	46	44	+ .6	W	1	0	*	59	38	-		
Valencia ...	30.36	52	W	2	bm	30.34	- .02	49	48	+ .2	NW	2	om	2	59	41	-		
Roche's Point...	30.35	48	SE	1	b	30.27	- .07	48	46	+ .7	NW	4	om	3	52	40	-		
Pembroke ...	30.31	48	N	3	bc	30.24	- .09	45	43	+ .1	NW	2	cg	1	52	40	-		
Seilly ...	30.32	48	NNE	3	b	30.28	- .01	47	46	0	WSW	2	C	3	53	44	-		
Prawle Point ...	30.31	49	W	0	0	30.25	- .07	46	45	- .2	W	2	C	1	57	43	-		
Jersey ...	30.27	48	ENE	3	cm	30.27	- .02	43	43	0	WSW	2	0	2	54	39	-		
Hurst Castle ...	30.30	48	NE	2	C	30.23	- .08	44	42	+ .2	W	1	m	0	53	38	-		
Dungeness ...	30.27	43	ENE	4	bc	30.21	- .07	38	37	- .5	N	1	m	1	51	34	-		
London ...	30.29	45	NE	1	og	30.20	- .10	41	40	- .4	S	1	0	*	51	33	-		
Oxford ...	30.33	47	NNE	1	0	30.20	- .14	39	37	- .4	W	1	0	*	51	35	-		
Cambridge ...	30.31	43	NE	1	0	30.17	- .14	42	41	- .5	SE	1	0	*	33	32	-		
PENINSULA.																			
Yarmouth ...	30.31	43	NNE	3	bc	30.15	- .12	40	39	- .3	WSW	3	cm	3	47	36	-		
Cuxhaven ...	30.23	38	N	3	bc	30.17	+ .01	41	40	+ .3	W	1	b	*	42	38	-		
Berlin ...	30.14	38	NNE	4	b	30.13	+ .18	36	34	0	NW	2	0	*	43	34	0.24		
Wiesbaden ...	*	*	*	*	*	30.23	+ .16	36	34	- .5	N	2	0	*	46	30	-		
Munich ...	30.10	31	W	3	bc	30.13	+ .16	31	30	- .3	NW	4	S	*	37	28	0.12		
FRANCE & NETHERLANDS.																			
The Helder ...	30.29	39	NE	1	b	30.15	- .04	39	38	- .1	SW	1	C	1	43	32	-		
Brussels ...	*	*	*	*	*	30.22	- .02	39	36	- .2	E	1	C	*	50	34	-		
Cape Gris Nez...	30.25	40	ENE	7	bc	30.20	- .05	38	37	- .4	W	1	0	2	48	36	-		
Paris ...	30.21	47	NNE	4	bc	30.25	+ .01	34	34	- .4	NE	1	b	*	53	32	-		
Brest ...	30.23	57	ENE	5	b	30.31	+ .06	42	40	+ .1	E	3	0	3	61	36	-		
Lorient ...	30.23	52	NE	5	b	30.31	+ .10	41	39	?	ENE	3	b	2	59	37	-		
Rockefort ...	30.17	55	ENE	7	bc	30.26	+ .03	40	40	+ .1	ENE	5	b	2	64	34	-		
Belfort ...	30.08	44	SW	1	0	30.13	+ .07	37	35	- .3	E	3	b	*	44	29	-		
Lyons ...	30.08	44	N	7	b	30.15	+ .00	35	33	- .3	NW	7	b	*	50	32	-		
Nice ...	29.79	49	ENE	5	bc	29.86	+ .02	50	39	+ .1	ENE	3	bc	1	59	39	-		
Perpignan ...	29.92	59	NW	4	b	30.05	+ .00	48	40	+ .5	NW	4	b	*	68	41	-		
Biarritz ...	30.04	55	N	4	b	30.17	+ .14	42	40	+ .1	E	4	b	1	89	37	-		
Coronna ...	*	*	*	*	*	30.10		49	47		ENE	1	b	4	61	43	-		
Lisbon ...	29.86	58	S	3	0	29.97	+ .24	55	54	- .1	NE	4	0	2	61	55	-		

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



# WEATHER CHARTS

for 8 a.m. on Friday, 31<sup>st</sup> March.

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.

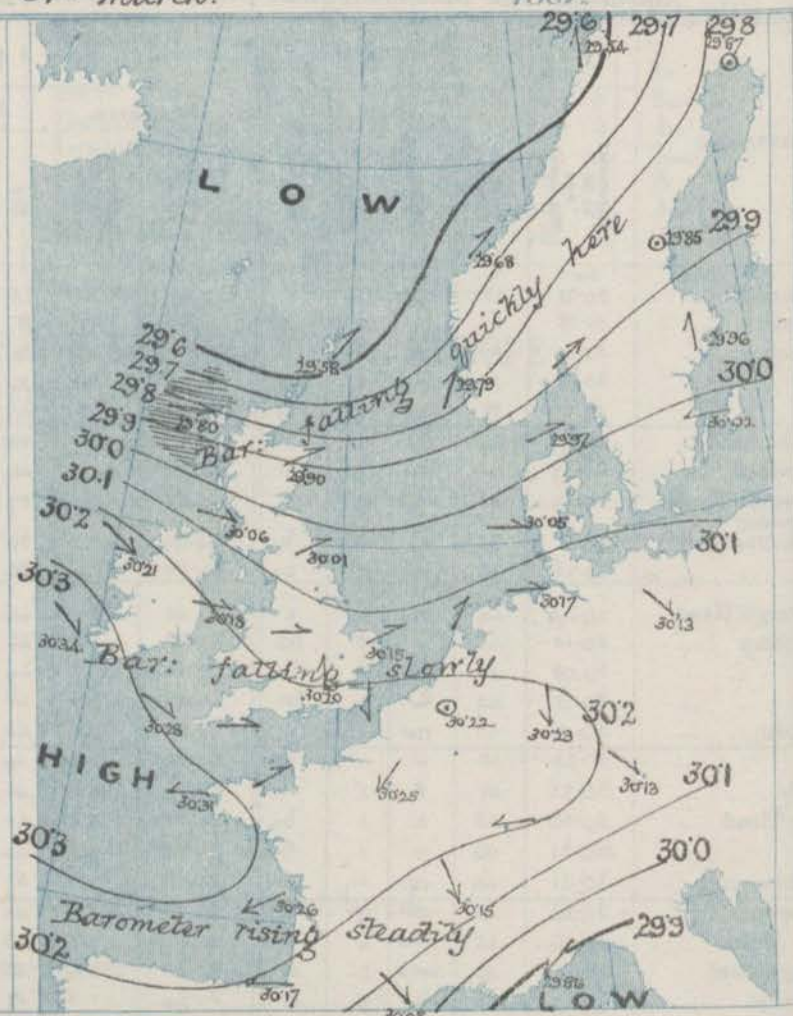
**Sea Disturbance** — where considerable is shown thus

▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of March.  
During the 10 Years 1871–1880.

STATIONS.	MEAN READINGS
	in.
Sumburgh Head	29.776
Stornoway	29.780
Wick	29.801
Nairn	29.819
Aberdeen	29.827
Leith	29.861
Shields	29.895
York	29.920
Ardrossan	29.876
Donaghadee	29.886
Holyhead	29.912
Liverpool	29.920
Valencia	29.936
Roche's Point	29.936
Pembroke	29.942
Scilly	29.968
Hurst Castle	29.958
Dover	29.953
LONDON	29.959
Oxford	29.962
Cambridge	29.952
Yarmouth	29.934



## 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.

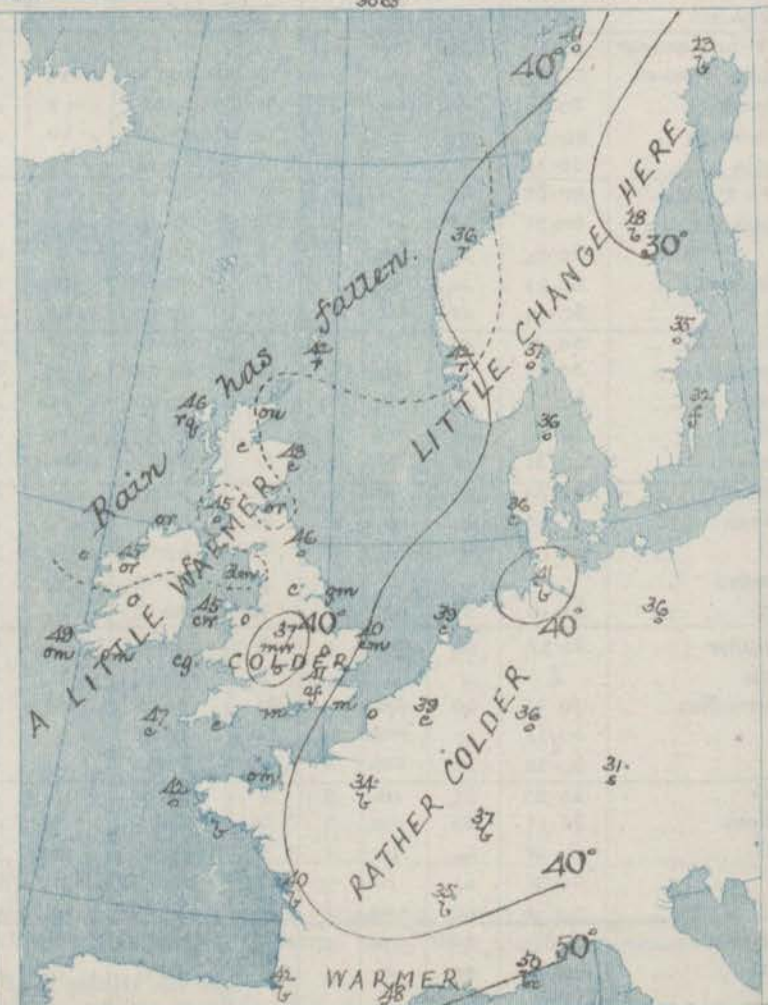
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m. Dry.	At 8 a.m. Wet.	
Sumburgh Head	42.9	34.5	38.7	37.5	2.92
Stornoway	45.0	34.4	39.1	37.9	3.87
Wick	44.9	34.2	39.2	37.2	1.97
Nairn	45.9	34.4	38.3	36.4	1.72
Aberdeen	45.1	35.5	39.1	37.0	2.24
Leith	48.6	35.0	39.9	38.3	1.36
Shields	45.8	36.0	39.9	38.2	1.60
York	49.1	34.1	39.0	37.3	1.63
Ardrossan	47.4	37.2	40.7	38.4	2.59
Donaghadee	47.4	37.4	41.3	40.0	1.99
Holyhead	48.1	39.6	42.6	41.1	2.21
Liverpool	47.6	37.2	41.5	38.9	1.69
Valencia	51.8	40.8	45.6	43.6	4.24
Roche's Point	50.1	40.4	44.1	42.4	3.71
Pembroke	47.5	39.8	42.9	41.0	2.45
Scilly	50.0	43.4	46.7	45.0	2.38
Hurst Castle	48.0	38.0	42.0	41.2	1.80
Dover	46.9	38.1	41.9	40.1	1.86
LONDON	50.7	36.1	41.1	39.2	1.43
Oxford	49.3	35.5	39.7	38.3	1.52
Cambridge	50.6	33.9	39.4	37.9	1.33
Yarmouth	45.7	36.0	41.1	39.4	1.77

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	<p>Highest, 30.3 ins: and more at Valencia, and off the Southwest of our Islands.</p> <p>Lowest, 29.97 ins: at Lisbon, 29.6 ins: at Nice, 29.58 ins: at Lumburg Head.</p> <p>Gradients becoming rather steep in N. moderate to slight elsewhere. Barometer falling fast in N. Depression then moving eastwards in southerly winds.</p>
TEMPERATURE	<p>Highest 55° at Lisbon, 50° at Nice, 49° at Valencia, 47° at Balmuccia and Sicily.</p> <p>Lowest 23° at Haparanda, 25° at Karesuando, 31° at Munich, 36° at Christianmunde.</p> <p>It has risen slightly in Ireland, fallen over England, France and Germany.</p>
WIND	<p>Has become W<sup>ly</sup> (S.W. to NW) over the whole of the British Islands, and North Sea, and is increasing considerably in the far north. Over Spain and the West of France it is still NE<sup>ly</sup>, and in the South of France NW<sup>ly</sup>.</p>
WEATHER	<p>Cloudy throughout our Islands, and on the eastern shores of the North Sea.</p> <p>Rain has set in on our northwestern, and northern coasts, and in the west of Norway. Solar Lake in London this morning (Cirrus moving from northwest). Lunar Lake at Mullaghmore last night. Snow is falling at Munich.</p>
SEA	<p>Rather rough in the Minch, moderate on our northwestern coasts generally, and off the west of Norway, slight or smooth elsewhere.</p>

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north appears to be somewhat deep, and as it moves eastwards it is probable that the W<sup>ly</sup> and NW<sup>ly</sup> winds in its rear will blow hard at our northern stations. Freshening W<sup>ly</sup> and NW<sup>ly</sup> winds with unsettled, showery and rather colder weather will probably now become very general over the United Kingdom and North Sea, and be strongest in the north and northeast.

## FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W <sup>ly</sup> or NW <sup>ly</sup> winds, strong to a gale; squally, rainy; colder.	6 SCOTLAND WEST	W <sup>ly</sup> and NW <sup>ly</sup> winds, increasing to a gale, showery, unsettled.
1 SCOTLAND EAST	W <sup>ly</sup> winds, increasing to a gale; squally, rain at times; colder.	7 ENGLAND N.W.	W <sup>ly</sup> and NW <sup>ly</sup> winds, freshening; showery to fair, unsettled.
2 ENGLAND N.E.	W <sup>ly</sup> and NW <sup>ly</sup> winds, moderate or fresh; some showers.	8 ENGLAND S.W.	NW <sup>ly</sup> winds, moderate to fresh; fair to showery.
3 ENGLAND EAST	Same as N°5	9 IRELAND NORTH	Same as N°7
4 MIDLAND COUNTIES	Same as N°2	10 IRELAND SOUTH	Same as N°7.
5 ENGLAND SOUTH	SW <sup>ly</sup> to W <sup>ly</sup> or NW <sup>ly</sup> winds, freshening; fair to showery.	WARNINGS	The S. cone has been hoisted this morning in districts 0.1. and 6.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Ses.		Bar.	Dry.	Wet.	Wind.	Wes.	Ses.
Skudeenæs ...	30.26	48	43	SSW 4	bcm	3	Holyhead ...	30.36	47	45	NW 2	6	1
Sumburgh Head	30.08	45	42	SSW 2	0	2	Valencia ...	30.37	59	53	NW 2	6c	2
Stornoway ...	30.15	51	49	SW 5	0	5	Scilly ...	30.31	51	50	NNE 2	6	3
Aberdeen ...	30.21	54	48	S 3	bc	1	Dungeness ...	30.26	47	46	ESE 4	6c	4
Shields ...	30.31	47	44	E 2	m.	2	London ...	30.32	51	44	NNE 2	0	*
Ardrossan ...	30.31	48	46	SW 2	c	2	Yarmouth ...	30.29	46	43	NNE 4	6c	3
Malin Head ...	30.30	55	50	NW 2	0	2	Jersey ...	30.28	52	49	NE 3	6	3
Mullaghmore ...	30.34	55	50	NW 1	cm	2	Rochefort ...	30.18	62	52	ENE 7	6	2
Belmullet ...	30.36	55	49	NW 1	6	*							

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

The reports for yesterday morning showed that pressure was highest, 30.3 in. and upwards, over the greater part of the British Isles, and lowest, 29.8 in. and less, in a large but shallow depression which was lying over Western Russia. Relatively low readings, 29.9 in. and less, were, however, reported over the whole of Eastern and Southern Europe. The wind was NW over Germany, Austria, and the Netherlands, and NE or E in France, Spain and Algeria, but in our Islands and also over Northern Europe it was somewhat variable. Rain was falling in the north of Algeria, and also at Madrid and Vienna, but over Western Europe generally the weather was fair. Temperature had fallen a few degrees in most places, and readings ranged from between 50° and 60° at the Spanish, Algerian and Mediterranean stations to 32° or less over Central and Northern Russia, and also over Central France. The highest individual readings were 60° at Biskra and Laghouat, 58° at Sfax, Brindisi and Malta, and 57° at Annaba and Oran, the lowest 28° at Archangel, 29° at Uleaborg, 30° at Moscow, and 31° at Warsaw.

In the course of the day the barometer began to fall decidedly on our northern coast, and SE winds set in over Scotland with rain in many places. Elsewhere there was little change.

### General Remarks for the 24 hours ended at 8 a.m. on 30<sup>th</sup> March

The Continental reports for Tuesday morning showed that pressure was highest, 30.3 in. and upwards, in an anticyclone lying over Ireland and England. The lowest pressures, 29.7 in. and less, were found in two depressions lying respectively over Italy and Western Russia, but a broad band of relatively low readings, 29.9 in. and less, extended southwards from Scandinavia across Central Europe to Italy and Greece. The wind over Western Europe was chiefly N, but at the more central stations it was somewhat variable, while in the neighbourhood of the two depressions noticed above it showed a distinct cyclonic circulation. The weather was fair on the whole, but a good deal of cloud was reported at the central and northern stations, and snow was falling at Lemberg and Warsaw. Temperature had changed rather irregularly, but the general tendency was for a slight increase; readings ranged from between 55° and 65° at the Spanish, Algerian, and Mediterranean stations to 32° or less over Central and Northern Russia. The highest individual readings were 64° at Palermo, 61° at Sfax, 60° at Alicante, and 59° at Biskra, Laghouat, Oporto, and Malta; the lowest were 23° at Moscow, 30° at Kiofia, 31° at Archangel and Stockholm, and 32° at Helsingfors and Uleaborg.

In the course of the day very little change occurred in pressure, but S winds set in at several of our western stations.

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

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

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

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

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



# CORRECTIONS AND ADDITIONS TO THE REPORTS FOR MARCH 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.			
26	Herrösand...	29.45	42	NW	9	b	29.81	+2.1	35	31	- 5	NE	0	c	*	50	?	-		
-	Corunna.....	*	*	*	*	*	30.41	+0.3	46	45	- 1	ENE	1	b	4	62	41	-		
3	Corunna...	*	*	*	*	*	30.25	-1.6	45	45	- 1	E	1	b	2	63	41	-		
4	Corunna...	*	*	*	*	*	30.14	-1.1	56	55	+ 11	ENE	1	o	4	64	?	-		
5	Mullaghmore	30.37	46	NNE	3	b	30.29	-1.7	36	36	- 5	E	4	c	3	50	34	-		
-	Cape Gris Neg	30.40	38	E	4	f	30.32	-1.6	35	-	+ 4	NE	5	f	4	45	30	-		
-	Corunna...	*	*	*	*	*	30.19	+0.5	56	56	0	SSE	1	o	2	70	54	-		
7	Corunna...	*	*	*	*	*	29.91	-0.1	52	50	+ 2	ENE	1	b	1	63	45	-		
9	Corunna...	*	*	*	*	*	30.08	+0.9	63	50	+ 8	WSE	3	b	2	66	46	-		
10	Corunna...	*	*	*	*	*	29.97	-1.1	50	49	- 13	NW	1	b	2	64	45	-		
11	Corunna...	*	*	*	*	*	29.88	-0.9	55	54	+ 5	S	1	c	1	66	50	0.20		
12	Corunna...	*	*	*	*	*	29.90	+0.2	55	53	0	SSW	2	o	3	64	48	0.08		
14	Corunna...	*	*	*	*	*	29.72	-0.7	44	44	- 13	ENE	9	o	6	63	41	0.35		
15	Corunna...	*	*	*	*	*	29.66	-0.6	44	43	0	NE	9	o	6	45	39	-		
16	Prawle Point	29.66	32	N	4	S	29.91	+1.7	30	30	- 6	NNE	3	c	4	38	22	0.23		
-	Corunna...	*	*	*	*	*	29.88	+2.2	41	-	- 3	E	5	o	4	46	36	-		
17	Nice.....	29.31	44	NW	1	c	29.39	+0.8	35	-	- 12	NW	5	S	3	48	34	0.59		
-	Corunna...	*	*	*	*	*	29.96	+0.8	43	41	+ 2	E	4	o	4	52	37	0.04		
18	Corunna...	*	*	*	*	*	29.93	-0.3	42	42	- 1	E	4	b	5	50	39	-		
19	Corunna...	*	*	*	*	*	29.94	+0.1	46	45	+ 4	ENE	1	b	3	52	36	-		
21	Corunna...	*	*	*	*	*	29.80	-0.7	55	52	+ 8	S	7	o	3	55	46	-		
22	Corunna...	*	*	*	*	*	30.02	+1.2	55	54	0	WSE	4	f	4	59	52	0.16		
23	Munich...	29.97	41	SW	1	o	29.94	+0.1	40	-	+ 4	SSE	3	o	*	46	36	-		
-	Corunna...	*	*	*	*	*	29.94	-0.3	56	?	+ 1	WSE	8	N	5	64	?	0.51		
26	Corunna...	*	*	*	*	*	30.34	+0.8	48	46	- 4	ENE	1	b	4	55	45	-		
27	Brussels...	*	*	*	*	*	30.01	+0.3	44	-	+ 8	WSE	4	N	*	47	41	0.08		
29	Hibby.....	29.80	36	NW	4	o	29.50	+1.9	36	35	- 1	NNE	4	b	8	39	32	-		
-	Corunna...	*	*	*	*	*	29.93	-2.1	56	47	+ 3	ENE	5	c	4	61	51	-		
30	Corunna...	*	*	*	*	*	30.26	+3.3	53	-	- 3	ENE	5	b	4	61	46	-		



**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 ...	29.908 29.964 29.983	39.4 39.5 39.0	35.0 34.5 34.5	43.8 46.5 45.1	39.4 40.5 39.8	22 23 25	10 <sup>th</sup> 16 <sup>th</sup> 12 <sup>th</sup> , 13 <sup>th</sup> , 46 <sup>th</sup>	50 55 53	29 <sup>th</sup> 30 <sup>th</sup> 7 <sup>th</sup>	0.210 .210 .228
1. SCOTLAND, E.	{ Nairn... Aberdeen ... Leith ...	29.994 29.967 30.031	37.8 37.5 38.2	32.4 32.3 33.8	46.9 47.2 46.8	39.7 39.8 40.3	23 19 24	13 <sup>th</sup> 16 <sup>th</sup> 13 <sup>th</sup>	56 61 59	2 <sup>nd</sup> , 3 <sup>rd</sup> , 30 <sup>th</sup> 3 <sup>rd</sup> 28 <sup>th</sup>	.194 .182 .202
2. ENGLAND, N.E.	{ Shields ... York ... Spurn Head ...	30.030 30.057 30.035	37.3 36.0 38.1	32.7 31.1 34.2	45.4 46.8 43.5	39.1 39.0 38.9	22 21 27	13 <sup>th</sup> , 44 <sup>th</sup> 17 <sup>th</sup> , 18 <sup>th</sup> 13 <sup>th</sup> , 44 <sup>th</sup>	55 60 54	28 <sup>th</sup> 29 <sup>th</sup> 29 <sup>th</sup>	.197 .188 .207
3. ENGLAND, E.	{ Yarmouth ... Cambridge ...	30.050 30.071	36.7 35.9	32.2 29.0	42.5 47.6	37.4 38.3	23 18	14 <sup>th</sup> , 15 <sup>th</sup> 19 <sup>th</sup>	54 58	27 <sup>th</sup> 29 <sup>th</sup>	.195 .189
4. MIDLAND COUNTIES.	{ Loughborough ... Oxford ...	30.067 30.092	35.1 34.8	31.1 30.8	46.5 44.6	38.8 37.7	22 18	13 <sup>th</sup> , 17 <sup>th</sup> , 21 <sup>st</sup> , 22 <sup>nd</sup> 17 <sup>th</sup>	59 56	29 <sup>th</sup> 29 <sup>th</sup>	.183 .178
5. ENGLAND, S.	{ London ... Dungeness ... Hurst Castle...	30.072 30.048 30.098	36.5 37.0 37.2	32.2 32.3 32.4	45.6 44.8 45.6	38.9 38.6 39.0	23 23 21	14 <sup>th</sup> , 19 <sup>th</sup> 22 <sup>nd</sup> , 14 <sup>th</sup> , 19 <sup>th</sup> 14 <sup>th</sup>	58 56 55	27 <sup>th</sup> 27 <sup>th</sup> 27 <sup>th</sup> , 28 <sup>th</sup>	.185 .210 .202
6. SCOTLAND, W.	Ardrossan ...	30.040	38.6	34.9	44.8	39.9	22	13 <sup>th</sup>	50	4 <sup>th</sup> , 26 <sup>th</sup> , 28 <sup>th</sup>	.241
7. ENGLAND, N.W.	{ *Hawes Junction ... Barrow-in-Furness ... Liverpool Obs <sup>r</sup> . (Bidston) Holyhead ...	28.776 30.059 30.071 30.075	32.6 37.5 37.1 40.0	28.9 34.9 34.0 37.2	40.7 44.2 43.6 45.6	34.8 39.6 38.8 41.4	16 25 27 31	13 <sup>th</sup> 13 <sup>th</sup> 17 <sup>th</sup> , 20 <sup>th</sup> 21 <sup>st</sup>	53 53 50 50	4 <sup>th</sup> , 5 <sup>th</sup> 30 <sup>th</sup> 29 <sup>th</sup> 6 <sup>th</sup>	.180 .199 .190 .216
8. ENGLAND, S.W.	{ Pembroke ... Prawle Point ...	30.094 30.099	39.4 39.4	36.8 44.2	44.8 46.1	40.8 40.2	29 24	13 <sup>th</sup> 17 <sup>th</sup>	53 61	29 <sup>th</sup> 28 <sup>th</sup>	.201 .208
9. IRELAND, N.	{ Malin Head ... Donaghadee ... Mullaghmore ... Belmullet ...	30.028 30.065 30.068 30.078	40.4 40.3 40.7 41.5	37.5 37.2 36.5 37.7	45.2 46.4 47.9 47.7	41.4 41.8 42.2 42.7	29 31 27 29	21 <sup>st</sup> 12 <sup>th</sup> 17 <sup>th</sup> 13 <sup>th</sup>	55 55 58 55	30 <sup>th</sup> 28 <sup>th</sup> , 30 <sup>th</sup> 29 <sup>th</sup> 29 <sup>th</sup> , 30 <sup>th</sup>	.242 .229 .214 .226
10. IRELAND, S.	{ Parsonstown... Valencia ... Roche's Point ...	30.111 30.118 30.106	36.9 42.4 41.0	31.2 37.1 37.6	48.0 49.7 47.0	39.6 43.4 42.3	19 29 29	13 <sup>th</sup> 14 <sup>th</sup> , 17 <sup>th</sup> , 20 <sup>th</sup> 13 <sup>th</sup> , 46 <sup>th</sup>	60 59 54	29 <sup>th</sup> 30 <sup>th</sup> 28 <sup>th</sup>	.194 .227 .217
CHANNEL ISLANDS.	{ Scilly (St. Mary's) .. Jersey (Noirmont) ...	30.091 30.087	43.5 39.7	39.3 36.6	47.6 45.5	42.5 41.1	32 28	15 <sup>th</sup> , 20 <sup>th</sup> , 22 <sup>nd</sup> 20 <sup>th</sup>	54 54	11 <sup>th</sup> 30 <sup>th</sup>	.248 .214

\* 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 **MARCH 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	Maximum Fall in one day	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
%																				
87	6.7	1.42	0.30	31 <sup>st</sup>	21	3	1	0	6	13	0	8	2	0	3	2	5	8	0	3
87	5.5	0.83	0.14	12 <sup>th</sup>	14	5	0	0	9	8	2	6	0	1	0	4	3	9	8	0
96	7.5	2.85	0.67	26 <sup>th</sup>	19	7	2	0	2	14	8	5	1	1	1	7	8	6	2	0
86	5.4	0.79	0.28	10 <sup>th</sup>	9	4	0	0	6	4	1	2	0	2	0	0	9	6	2	10
81	5.5	2.11	0.42	10 <sup>th</sup>	16	10	1	0	10	11	2	4	0	0	0	3	8	9	6	1
88	6.7	1.39	0.45	10 <sup>th</sup>	14	5	1	0	9	17	0	1	1	2	2	1	0	18	5	1
89	7.6	1.39	0.22	11 <sup>th</sup>	12	10	1	0	3	16	0	1	1	3	0	3	6	10	1	6
88	5.9	1.50	0.54	22 <sup>nd</sup>	12	4	0	0	10	14	0	6	2	3	2	3	0	9	5	1
90	4.9	1.49	0.34	24 <sup>th</sup>	14	7	0	1	8	7	3	5	2	3	4	3	1	7	6	0
90	5.5	1.76	0.29	30 <sup>th</sup>	14	7	1	0	6	8	4	1	6	4	1	3	3	7	4	2
89	5.7	1.34	0.33	31 <sup>st</sup>	10	5	0	0	12	14	1	7	3	4	1	4	2	7	4	4
89	8.3	1.30	0.33	11 <sup>th</sup>	15	7	0	0	2	22	3	2	6	2	3	1	2	9	4	2
88	6.7	1.95	0.37	15 <sup>th</sup>	13	10	2	0	9	14	1	4	9	2	1	0	6	5	1	3
86	7.5	1.40	0.40	15 <sup>th</sup>	12	7	1	0	6	20	2	0	8	4	1	1	5	5	3	4
96	7.1	1.26	0.27	12 <sup>th</sup>	11	4	0	0	4	14	2	6	7	6	1	0	2	4	3	2
91	6.1	1.24	0.33	22 <sup>nd</sup>	13	4	1	0	7	7	2	6	10	6	0	1	1	5	2	0
90	6.7	1.40	0.49	10 <sup>th</sup>	9	6	0	0	10	19	4	3	9	3	1	2	3	4	3	3
97	8.1	3.34	0.88	22 <sup>nd</sup>	16	9	4	0	5	23	0	5	4	5	2	1	6	3	1	4
89	6.6	1.98	0.94	22 <sup>nd</sup>	14	2	0	0	4	13	0	6	12	2	1	2	4	2	2	0
86	7.2	1.35	0.39	11 <sup>th</sup>	10	4	0	0	7	19	4	1	3	4	4	2	4	7	4	2
89	6.1	2.28	0.77	22 <sup>nd</sup>	13	3	1	0	5	4	1	1	6	5	1	2	3	6	3	4
83	5.8	1.67	0.55	22 <sup>nd</sup>	9	1	1	0	5	6	3	3	6	9	2	0	1	6	4	0
87	5.7	0.98	0.23	15 <sup>th</sup>	12	3	0	0	8	11	4	9	7	5	0	0	2	5	3	0
97	8.1	2.37	0.51	10 <sup>th</sup>	18	1	2	0	2	20	0	3	4	2	3	4	7	4	4	0
92	6.3	1.27	0.43	22 <sup>nd</sup>	11	3	0	0	5	8	3	2	3	5	1	3	3	12	2	0
85	5.5	1.72	0.28	26 <sup>th</sup>	18	3	5	0	10	6	8	0	2	5	4	5	4	6	4	1
87	4.4	1.91	0.32	24 <sup>th</sup>	17	3	1	0	14	7	6	3	1	6	7	3	3	3	5	0
89	5.7	1.30	0.29	11 <sup>th</sup>	12	1	0	0	10	14	0	1	1	0	2	2	5	4	0	16
84	5.0	2.18	0.51	11 <sup>th</sup>	11	1	3	0	9	9	2	3	7	4	3	2	1	3	5	3
85	5.3	1.97	0.75	22 <sup>nd</sup>	9	0	0	0	13	9	3	6	3	5	3	1	3	7	3	0
87	7.0	1.19	0.50	22 <sup>nd</sup>	12	4	1	0	3	10	6	2	4	11	4	1	0	4	4	1
88	5.8	0.87	0.26	24 <sup>th</sup>	14	5	1	0	9	12	2	1	12	4	2	1	3	4	3	1

Barometric Observations at this Station are not corrected for altitude.



## 2.

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.		Sea. (0 to 8.)	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.)		Weather.	Max.		Min.
1	Aberdeen ...	30.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Malin ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42	-	-
2	Loughborough	-	-	-	-	-	30.84	-	39	38	+ 11	-	-	-	-	-	-	-
-	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	-
3	Bungness	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain
4	Pembroke...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-
5	Berlin ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-
6	Brick ...	-	-	-	-	-	30.17	-	-	-	-	-	-	-	-	-	-	-
7	Pembroke...	30.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Bungness...	-	-	-	-	-	30.22	+ 0.8	-	-	-	-	-	-	-	-	-	-
-	Mullaghmore 2pm	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-
9	Mullaghmore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.13
-	Scilly ...	-	-	-	-	-	30.13	+ 0.8	-	-	-	-	-	-	-	-	-	-
10	Nice ...	29.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Scilly ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain
-	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.28
15	Stornoway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10
-	Roche's Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03
18	Leith ...	-	-	Sw	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Belmullet.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-	-
19	Sumburgh Hd.	-	-	-	-	-	? 30.24	-	-	-	-	-	-	-	-	-	-	-
20	Bick ...	-	-	-	-	-	-	-	? 46	? 44	+ 7	-	-	-	-	-	-	-
-	Aberdeen...	-	-	-	-	-	30.23	-	-	-	-	-	-	-	-	-	-	-
-	Ararossan	-	-	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	Spinn Head	29.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	Scilly ...	29.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Prawle Point	29.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	Malin Head	29.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	Brick ...	-	-	-	-	-	? 29.34	+ ? 34	-	-	-	-	-	-	-	-	-	-
-	York ...	29.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mullaghmore 2pm	-	-	-	-	-	29.84	-	-	-	-	-	-	-	-	-	-	-
26	Stornoway...	29.75	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Ararossan 2pm	-	-	-	-	-	29.98	-	-	-	-	-	-	-	-	-	-	-
27	Stornoway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47	-	-
-	Loughborough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09
28	Belmullet...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain