

DAILY WEATHER REPORT

METEOROLOGICAL OFFICE

LONDON.

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DAILY WEATHER REPORTS.

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

1888.

*Loc. Reg. Lond.*



# DAILY WEATHER REPORT.

January to June 1888.





# DAILY WEATHER REPORT.

for *Tuesday, 1<sup>st</sup> May* 1888.  
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.				
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Weather.	Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	29.83	34	SW	2	0	29.94	+ .47	36	35	0	S	2	0	*	39	23	-	
	Hernösand ...	29.82	45	SW	4	0	29.96	+ .34	43	40	0	SSW	2	0	*	50	36	-	
	Stockholm ...	29.95	42	YS	0	0	29.95	+ .12	47	43	- 1	E	2	0	*	55	37	-	
	Wisby ...	30.01	44	WNW	2	0	29.95	+ .01	50	45	+ 6	S	4	0	*	57	41	-	
	Bodö ...	29.58	41	SSW	4	0	29.74	+ .38	41	39	+ 1	SW	4	0	2	43	39	0.12	
	Christiansund...	29.62	44	W	4	0	29.70	+ .26	44	43	0	E	2	0	3	50	41	-	
	Skudesnaes ...	29.67	41	SSW	6	5	29.56	- .07	49	44	+ 8	ESW	6	0	4	?	41	-	
	Christiania Fjord (Fjærd)	29.81	40	SE	4	1	29.82	+ .11	39	39	0	N	3	2	?	37	-	-	
	Skagen (The Scaw)	29.82	42	SSW	1	0	29.78	+ .02	42	41	0	SE	1	0	1	48	39	-	
	Fanö ...	29.76	47	SE	4	0	29.60	- .20	51	48	+ 9	ESW	4	0	*	54	43	-	
BRITISH ISLANDS.	Sumburgh Head	29.47	45	S	1	0	29.27	- .15	43	43	- 2	ESW	3	0	3	50	41	0.05	
	Stornoway ..	29.34	49	E	5	0	29.05	- .31	47	47	+ 3	S	4	0	3	51	44	0.22	
	Wick ...	29.39	47	S	3	0	29.13	- .30	45	44	- 1	S	6	0	5	54	40	0.05	
	Nairn ...	29.35	50	SSW	1	0	29.10	- .33	49	46	+ 3	WS	0	0	1	55	36	0.02	
	Aberdeen...	29.44	47	SSW	2	0	29.18	- .29	45	44	- 1	S	3	0	2	52	42	0.03	
	Leith ...	29.40	51	SE	1	0	29.12	- .36	55	50	+ 7	S	2	0	*	53	44	0.03	
	Shields ...	29.46	50	SSW	1	0	29.19	- .32	54	48	+ 6	S	4	0	2	54	43	0.05	
	Spurn Head ...	29.50	47	ESW	3	0	29.31	- .32	52	49	+ 2	S	6	0	3	59	43	-	
	York ...	29.47	59	S	2	0	29.24	- .34	51	48	+ 1	S	3	0	*	60	45	0.02	
	Loughborough	29.48	57	SW	2	0	29.28	- .36	53	49	+ 3	SSW	5	0	*	61	47	-	
GERMANY.	Ardrossan ...	29.34	48	SE	2	0	29.04	- .42	48	47	+ 2	SE	4	0	2	50	46	0.24	
	Malin Head ...	29.15	48	SSW	6	0	28.95	- .43	45	45	- 2	SSW	2	0	3	49	45	0.12	
	Mullaghmore ...	29.07	48	ESW	6	0	28.98	- .47	47	47	- 2	WNW	4	0	3	49	43	0.34	
	Belmullet ...	28.99	48	SE	6	0	29.13	- .19	47	45	+ 1	WNW	10	0	*	50	45	0.23	
	Donaghadee ...	29.30	46	S	3	0	28.99	- .48	46	46	0	S	5	0	3	47	45	0.37	
	Barrow-in-Furness	29.33	48	E	4	0	29.11	- .39	49	47	+ 5	SE	6	0	*	52	42	0.12	
	Liverpool (Bidston)	29.39	54	SSW	3	0	29.12	- .40	49	46	- 2	SE	4	0	3	56	47	0.03	
	Holyhead ...	29.34	50	SSW	5	0	29.02	- .47	46	46	+ 1	S	7	0	6	52	45	0.15	
	Parsonstown ...	29.08	49	SE	5	0	29.05	- .36	48	46	+ 3	W	4	0	*	50	44	0.14	
	Valencia ...	29.88	51	SSW	8	0	29.36	+ .11	48	44	- 2	WNW	6	0	6	51	46	0.81	
FRANCE & NETHERLANDS.	Roche's Point...	29.06	48	S	8	0	29.20	- .20	48	46	0	WNW	7	0	5	48	45	0.75	
	Pembroke ...	29.31	47	S	5	0	29.12	- .40	46	46	0	SW	7	0	7	49	45	0.12	
	Scilly ...	29.26	49	S	8	0	29.38	- .17	50	47	- 2	W	8	0	6	52	44	0.11	
	Prawle Point ...	29.47	47	SE	4	0	29.37	- .31	48	48	+ 2	SW	7	0	6	50	43	0.01	
	Jersey ...	29.55	54	SSW	3	0	29.54	- .19	51	48	- 1	SSW	5	0	4	59	48	-	
	Hurst Castle ...	29.45	50	S	3	0	29.41	- .31	50	48	+ 1	SW	7	0	3	54	48	0.01	
	Dungeness ...	29.56	56	WSW	2	0	29.46	- .26	48	47	- 1	SW	5	0	3	56	45	0.01	
	London ...	29.55	58	S	2	0	29.42	- .30	54	49	+ 1	SSW	4	0	*	65	49	-	
	Oxford ...	29.49	50	S	3	0	29.34	- .35	51	49	+ 2	S	4	0	*	60	47	0.03	
	Cambridge ...	29.50	60	SW	1	0	29.37	- .33	53	49	+ 3	S	2	0	*	65	47	-	
PENIN. ISLANDS.	Yarmouth ...	29.57	49	SSW	2	0	29.43	- .31	47	46	- 2	SSW	4	0	3	57	45	0.05	
	Cuxhaven ...	29.83	51	ESW	3	0	29.67	- .24	53	51	+ 8	E	3	0	*	56	?	0.04	
	Berlin ...	29.83	63	WNW	1	0	29.73	- .20	55	53	0	SE	1	0	*	70	52	-	
	Wiesbaden ...	*	*	*	*	*	29.67	- .27	59	55	+ 5	SW	1	0	*	66	43	0.12	
	Munich ...	29.84	57	E	1	0	29.72	- .29	58	53	+ 1	SE	1	0	*	66	48	-	
	The Helder ...	29.62	56	SE	1	0	29.51	- .30	53	52	+ 3	SSW	1	0	1	66	50	0.04	
	Brussels ...	*	*	*	*	*	29.57	- .25	54	52	+ 1	WSW	4	0	*	67	52	0.08	
	Cape Gris Nez...	29.60	54	SW	3	0	29.46	- .28	50	50	0	SSW	7	0	4	61	48	0.04	
	Paris ...	29.67	57	S	3	0	29.62	- .21	54	52	+ 1	SW	3	0	*	61	49	0.47	
	Brest ...	29.51	50	S	7	0	29.58	- .15	50	48	+ 2	SW	7	0	6	54	46	0.08	



# WEATHER CHARTS

for 8 a.m. on

Tuesday, 1<sup>st</sup> May,

1883.

## 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.

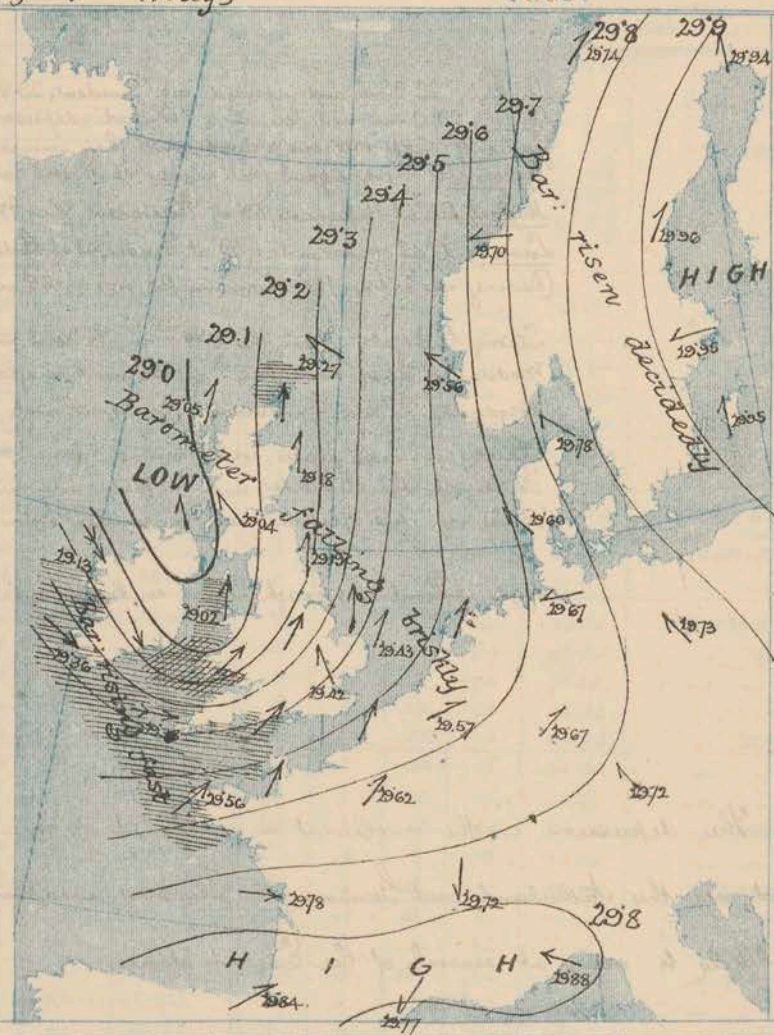
— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871 — 1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.878
Stornoway	29.893
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Scilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



## 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.

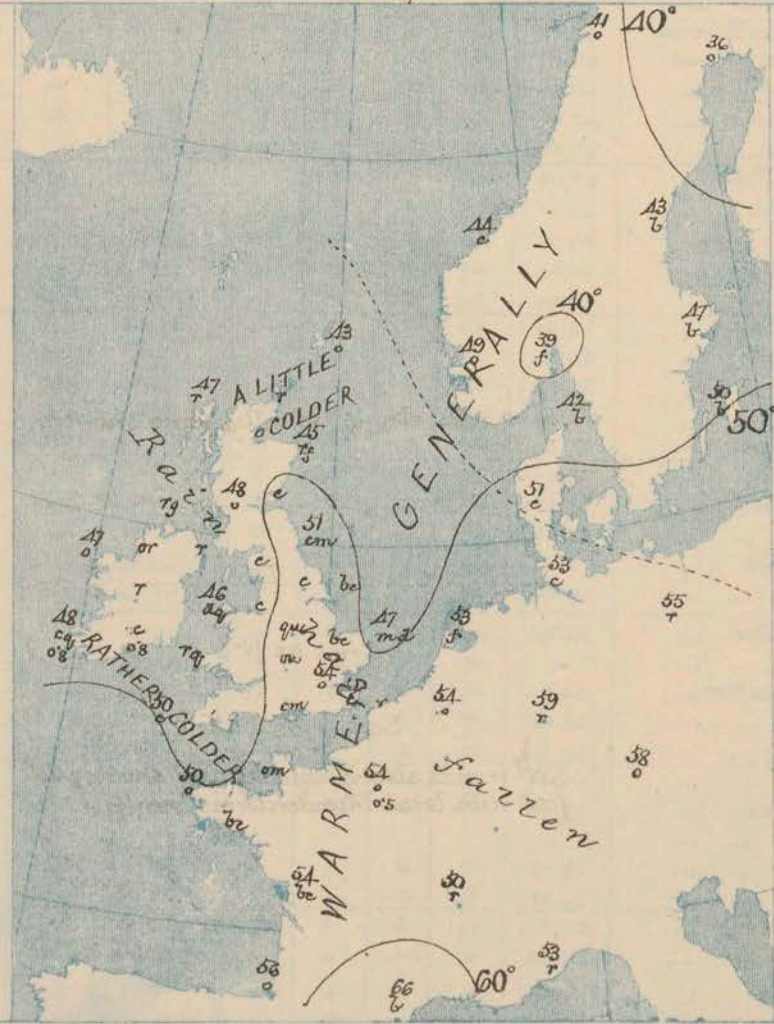
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	43.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.07
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.6	49.5	47.3	2.16
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	48.5	2.89
Roche's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Scilly	56.3	48.2	52.7	50.3	1.66
Jersey	59.8	47.1	53.5	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	{ Highest, 29.9 in: and upwards, over Sweden, 29.8 in: and upwards over the south of France. Lowest, 29.0 in: and less, in a V-shaped depression lying off the west of Scotland. Gradients steep over our Islands and their immediate neighbourhood, but slight elsewhere. Barometer rising again fast on our southwest coasts, but falling in the north and east.
TEMPERATURE	{ Highest 66° at Rappin, 59° at Wisbaden, 58° at Munich, 56° at Biarritz, and 55° at Feith, Cambridge and Berlin. Lowest, 36° at Hakaranda, 39° at Lander, 41° at Hede, 42° at Hagen, 43° at Hunsand and Lumburg Head, 44° at Christiansund, and 45° at Hark. During yesterday the thermometer rose to 65° in London and at Cambridge.
WIND	{ Strong to a gale from the NW <sup>th</sup> in the west and south of Ireland, and from W. or SW. in the Channel and Bay of Biscay. Moderate to strong from the SE <sup>th</sup> in the north and east of our Islands. Moderate SE <sup>th</sup> over Scandinavia, Denmark and Germany.
WEATHER	{ Cloudy in most places, with rain in many parts of our Islands and also in Germany and the southeast of France. Fog is reported at Lander, and the Helder and mist at some of the Channel stations. Heavy rain fell yesterday in the south of Ireland, and smaller amounts in most parts of Western Europe.
SEA	{ High at Pembroke, rough on our southwest coasts generally and rather rough at Hark, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the northwest is inclined to spread eastwards, while shallow disturbances are apparently being formed over the Netherlands and Germany. Showery weather is therefore probable in all districts, and thunderstorms are likely to occur at several of the English stations.

## FORECASTS

for the 24 hours ending at NOON on 2<sup>nd</sup> May 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
10 { SCOTLAND NORTH	SE winds, strong; squally, some showers.	10 { SCOTLAND WEST	SE winds, strong, to SW <sup>th</sup> or W <sup>th</sup> , fresh; squally, showery.
11 { SCOTLAND EAST	----- D° ----- D° ----- D° -----	11 { ENGLAND N. W.	----- D° ----- D° ----- D° -----
12 { ENGLAND N. E.	----- D° ----- D° ----- D° -----	12 { ENGLAND S. W.	W <sup>th</sup> strong winds or gales, squally, showery, thunder locally.
3 { ENGLAND EAST	Same as N° 5	13 { IRELAND NORTH	NW <sup>th</sup> and W <sup>th</sup> winds, strong; squally, showery.
4 { MIDLAND COUNTIES	Same as N° 5	14 { IRELAND SOUTH	----- D° ----- D° ----- D° -----
5 { ENGLAND SOUTH	SW winds strong; squally and showery at first with local thunderstorms, then fair.	WARNINGS	
		The south cone was hoisted last evening in districts 0.1. 6 to 10. and part of 2	

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnes ...	29.67	42	40	SSe 6	of	5	Holyhead ...	29.45	49	48	S 5	o g m	5
Sumburgh Head ...	29.47	48	44	S 1	b	2	Valencia ...	29.01	50	49	SSe 8	om	6
Stornoway ...	29.37	50	49	Sw 5	e	4	Scilly ...	29.39	50	48	S 8	rw	6
Aberdeen ...	29.47	50	45	S 3	b	2	Jersey ...	29.63	56	50	S 2	bc	2
Shields ...	29.48	52	50	Sw 1	of d	2	Dungeness ...	29.61	55	50	WSW 2	b	0
Ardrossan ...	29.41	48	47	z 0	o	1	London ...	29.59	63	54	SSW 3	b	*
Malin Head ...	29.29	46	44	SE 4	o	3	Yarmouth ...	29.64	49	47	SSe 3	b	3
Mullaghmore ...	29.21	48	46	SSe 5	org	4	Rocheport ...	29.78	55	54	WSW 5	r	2
Belmullet ...	29.12	49	47	E 4	r	*							

## 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. and upwards over the whole of Central, Eastern and Southern Europe and the Mediterranean, and from 30.3 ins. over Hungary to about 29.3 ins. both off the northwest of Norway and the west of Ireland. S<sup>2</sup> and SW<sup>2</sup> winds were consequently prevalent over nearly the whole of Europe and the British Isles and were strongest in the latter region, where the weather was cloudy and in some places showery. Temperature was rising, frost had disappeared from Northern Europe, and readings at 8 a.m. varied from 70° and more over Algeria and the western part of the Mediterranean to a little above the freezing point over Finland. The highest individual values were 73° at Biskra (Algeria) and at Palma 63° at Bilbao and Barcelona, 61° at Malta, Brindisi, and Oporto, 60° at San Fernando, 59° at Lyons, 55° at Berlin, 53° at Paris and in London and 50° at Valencia; the lowest were 36° at Haparanda and Uleaborg, 38° at Kuopio and Helsinki, 39° at Faerøer and 40° at Christiansund.

Later on the barometer again fell fast in Ireland and S<sup>2</sup> gales were felt along our western coasts, while fine warm weather prevailed over England and France.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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



# DAILY WEATHER REPORT.

for Wednesday 2<sup>nd</sup> May. 1888.  
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 3.)	SHADE TEMP.		Amount of Rainfall.		
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Weather.	Max.		Min.	
SCANDINAVIA.	Haparanda ..	30.01	32	Z	0	b	30.08	+ .14	44	37	+ .14	S	2	b	*	44	32	—	
	Hernösand ...	30.00	34	Z	0	b	29.98	+ .02	37	35	— .06	S	2	b	*	48	34	—	
	Stockholm ...	29.91	47	E	2	b	29.79	— .16	45	41	— .20	ESSE	4	o	*	57	36	—	
	Wisby ...	29.90	45	E	2	b	29.74	— .21	51	45	+ .11	S	4	bc	*	61	39	—	
	Bodö ...	29.84	44	ENE	1	b	29.74	— .00	52	46	+ .11	E	4	b	2	52	41	—	
	Christiansund...	29.52	53	ESE	6	o	29.41	— .29	51	45	+ .17	E	4	o	2	57	?	—	
	Skudesnaes ...	29.45	48	ESE	4	r	29.45	— .11	42	41	— .07	SSE	5	o	4	50	48	0.35	
	Christiania Fjord (Farder)	29.61	46	ESE	4	o	29.55	— .27	41	41	+ .22	SE	2	r	1	46	?	0.24	
	Skagen (The Scaw)	29.54	46	S	3	o	29.56	— .22	45	44	+ .33	SSW	1	c	1	54	41	0.20	
	Fanö ...	29.54	46	SW	1	r	29.66	+ .06	43	42	— .08	WSW	5	o	*	61	41	0.12	
BRITISH ISLANDS.	Sumburgh Head	29.19	43	SE	5	m	29.31	+ .03	44	41	+ .11	W	1	o	3	45	41	0.05	
	Stornoway ...	29.11	40	SW	2	r	29.22	+ .17	43	43	— .04	S	7	r	5	52	36	0.10	
	Wick ...	29.11	45	S	4	o	29.24	+ .21	45	43	— .02	S	3	bc	3	51	37	0.08	
	Nairn ...	29.29	52	Z	0	o	29.35	+ .25	43	39	— .06	SSE	1	c	1	57	37	0.11	
	Aberdeen...	29.13	45	SSE	2	op	29.45	+ .27	47	42	+ .22	SSW	5	bc	2	51	38	0.10	
	Leith ...	29.13	52	W	4	c	29.44	+ .32	46	42	— .09	SW	3	c	*	56	39	0.04	
	Shields ...	29.19	52	SW	4	a	29.56	+ .37	46	42	— .05	S	3	o	2	54	40	0.01	
	Spurn Head ...	29.34	51	W	7	c	29.73	+ .42	47	44	— .05	SSW	5	bc	3	58	40	0.09	
	York ...	29.26	50	W	4	o	29.67	+ .43	46	42	— .05	S	3	bc	*	58	39	—	
	Loughborough	29.47	51	W	5	c	29.75	+ .47	45	42	— .08	SSW	3	o	*	55	39	0.08	
GERMANY.	Arrossan ...	29.20	47	W	5	o	29.33	+ .29	44	43	— .04	SE	5	r	4	49	42	0.15	
	Malin Head ...	29.35	45	NW	6	bc	29.12	+ .17	45	45	— .02	S	6	ogp	4	48	40	0.09	
	Mullaghmore ...	29.51	45	WNW	8	c	29.17	+ .19	49	46	+ .22	SSW	6	bc	5	49	43	0.12	
	Belmullet ...	29.36	48	WNW	4	b	29.14	+ .01	49	45	+ .22	WSW	9	o	*	49	44	0.47	
	Donaghadee ...	29.38	47	NW	7	c	29.29	+ .30	45	45	— .01	SW	7	r	4	51	44	0.31	
	Barrow-in-Furness	29.35	47	W	6	r	29.55	+ .44	44	43	— .05	SE	6	p	*	51	42	0.05	
	Liverpool (Bidston)	29.45	48	WSW	8	bc	29.59	+ .47	45	42	— .14	SSE	4	o	4	54	40	0.03	
	Holyhead ...	29.51	47	W	6	bc	29.46	+ .44	45	45	— .01	S	7	rma	6	51	43	0.15	
	Parsonstown ...	29.61	49	W	3	bc	29.34	+ .29	50	46	+ .22	SSW	4	b	*	52	37	0.25	
	Valencia ...	29.72	50	WSW	4	bc	29.42	+ .06	50	46	+ .22	WSW	7	bc	7	53	47	0.51	
FRANCE & NETHERLANDS.	Roche's Point...	29.70	51	WNW	5	b	29.47	+ .27	47	45	— .11	W	6	p	5	52	45	0.55	
	Pembroke ...	29.66	47	WSW	6	b	29.52	+ .40	46	46	— .02	S	7	rma	6	49	43	0.15	
	Scilly ...	29.83	50	W	5	b	29.68	+ .30	49	48	— .01	SSW	8	r	6	51	44	0.11	
	Prawle Point ...	29.88	49	W	6	b	29.82	+ .45	46	46	— .02	S	6	ru	5	53	42	—	
	Jersey ...	29.85	52	WSW	5	b	30.00	+ .46	50	47	— .11	S	4	bc	4	55	45	—	
	Hurst Castle ...	29.69	49	WSW	6	b	29.90	+ .49	48	46	— .02	SW	6	bc	4	53	45	—	
	Dungeness ...	29.60	48	WSW	6	c	29.93	+ .47	44	43	— .14	WSW	5	o	4	53	43	—	
	London ...	29.59	53	WSW	5	bc	29.89	+ .47	51	46	— .03	S	4	c	*	56	40	—	
	Oxford ...	29.71	47	WSW	3	c	29.83	+ .49	46	44	— .05	S	3	cpq	*	53	39	0.20	
	Cambridge ...	29.54	51	S	3	bc	29.85	+ .48	48	44	— .07	SW	2	c	*	61	38	0.02	
PENINSULA.	Yarmouth ...	29.45	54	WSW	5	c	29.85	+ .42	48	44	+ .11	SW	4	c	3	58	40	0.01	
	Cuxhaven ...	29.61	49	NW	1	c	29.82	+ .15	49	47	— .04	W	6	bc	*	60	46	0.14	
	Berlin ...	29.68	57	W	2	r	29.96	+ .23	54	48	— .11	W	5	c	*	66	50	0.28	
	Wiesbaden ...	*	*	*	*	*	30.11	+ .44	52	48	— .06	SW	5	bc	*	59	45	0.51	
	Munich ...	29.91	55	W	6	c	30.18	+ .46	53	48	— .05	W	4	b	*	66	46	0.04	
	The Helder ...	29.56	48	SW	5	o	29.89	+ .38	47	44	— .06	SW	4	b	3	55	46	—	
	Brussels ...	*	*	*	*	*	30.04	+ .47	48	45	— .06	SSW	4	bc	*	60	44	0.08	
	Cape Gris Nez...	29.62	47	WSW	8	c	29.96	+ .50	46	43	— .14	SSW	5	o	4	54	43	—	
	Paris ...	29.83	57	WSW	4	bc	30.13	+ .51	48	44	— .06	SSW	3	b	*	64	40	0.04	
	Brest ...	29.95	52	W	5	o	29.97	+ .39	49	46	— .11	S	5	o	5	57	45	—	

For Explanation of Columns, see p. 4.

† Received too late for insertion in *Thurs* on 9. 2.



# WEATHER CHARTS

for 8 a.m. on

Wednesday, 2<sup>nd</sup> May.

1883.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

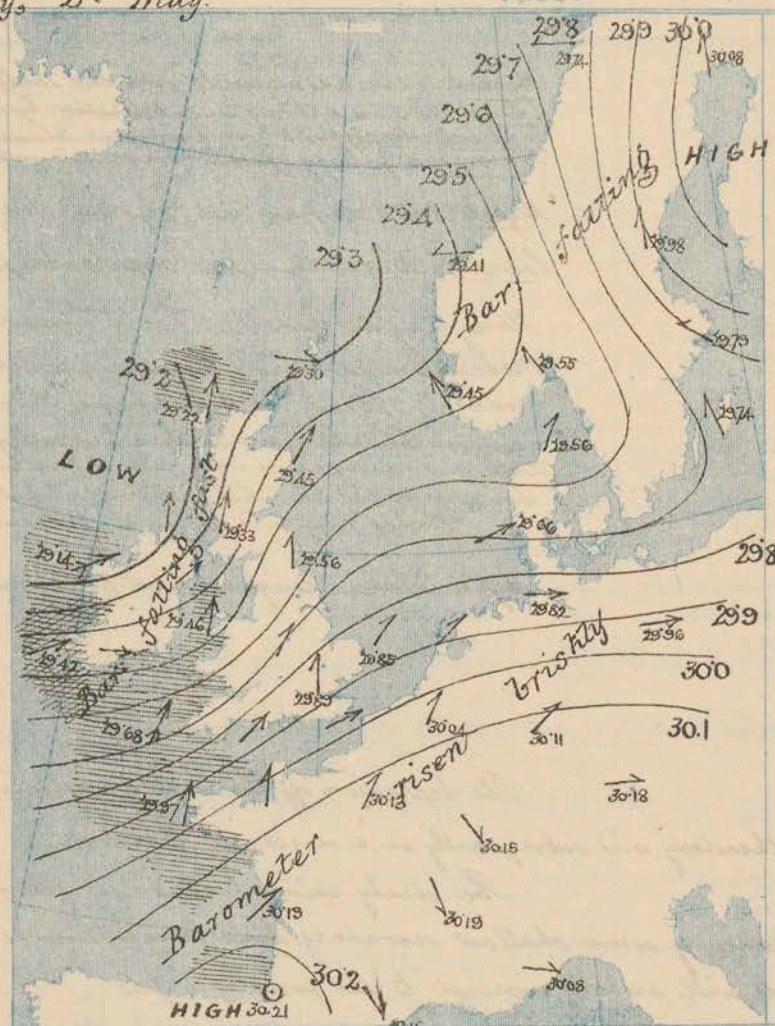
**Sea Disturbance** — where considerable is shewn thus.

▨ = Rough. ▨ = High.

### MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.878
Stornoway	29.893
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Scilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.998
Cambridge	29.989
Yarmouth	29.980



## 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.

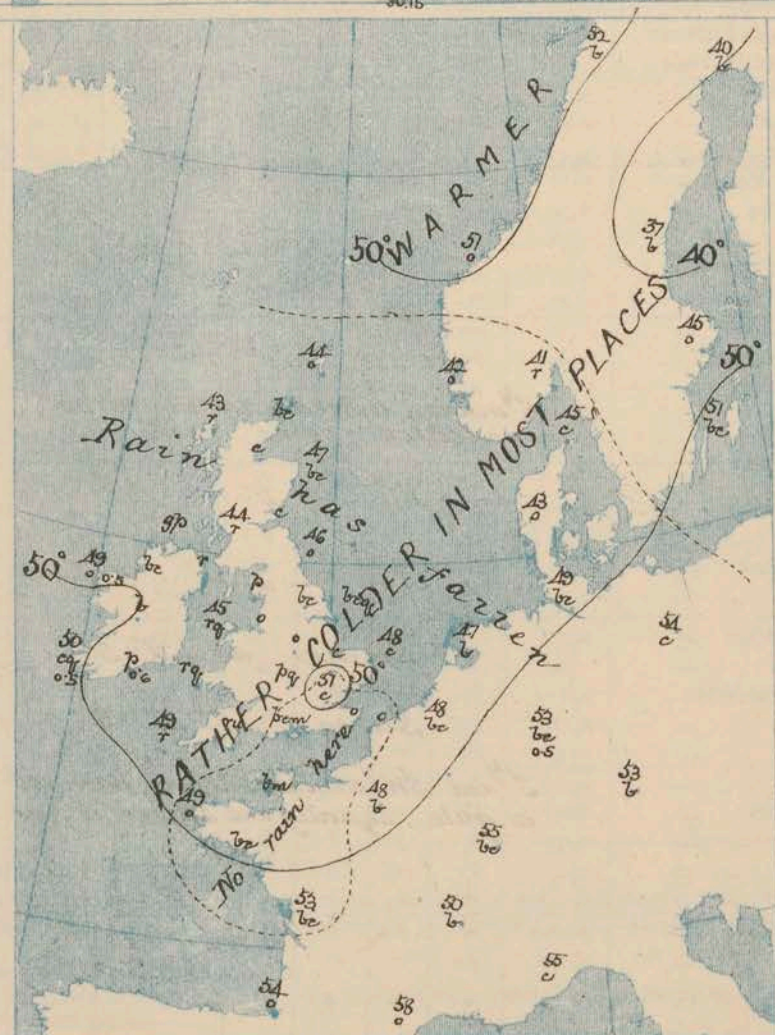
### MEANS OF TEMPERATURE IN SHADE.

### AND RAINFALL.

for the month of May.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m. Dry	Wet	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	48.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.67
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.6	49.5	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.8	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	48.0	49.9	47.4	1.97
Scilly	56.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.5	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	58.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.2 ins. and upwards, over the southwest of France; 30.0 ins. and upwards, over the Gulf of Bothnia. Lowest 29.2 ins. and less, in a depression lying off the west of Scotland. Gradients steep for S.W. winds over our Islands, and rather steep for S.E. winds over Sweden. Barometer falling quickly over our west and northwest coasts, but rising at our eastern as well as at the French and German stations.
TEMPERATURE	Highest 58° at Perpignan, 53° at Belfort and Nice, 51° at Berlin and Biarritz, and 53° at Wiesbaden, Munich and Rochefort. Lowest 37° at Hermisand, 40° at Haparanda, 41° at Taorler, 42° at Hudesnaes, and 43° at Hornoway and Kairn.
WIND	Strong to a gale from the S. or S.E. on our west and northwest coasts. Moderate or fresh from the same quarters in the east and southeast, as well as in the North of France. Moderate, S.E. breeze in Scandinavia, W. in Germany, NW. in the south of France.
WEATHER	Fair over the eastern and southeastern parts of Great Britain, as well as at some of the Continental stations. Dull and rainy on many parts of our west and northwest coasts. Since yesterday rain has fallen at all but our southern stations, the largest amounts being 0.6 ins. at Rock's Point and 0.5 ins. at Belmullet and Valencia.
SEA	High at Valencia, rough on most parts of our west coasts and rather rough at Hornoway, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the west of Scotland seems likely to travel, like its predecessor, first in a northeasterly and subsequently in a northerly direction.

The steady rain which is now falling in Wales and the southwest of England, seems to indicate the presence of some shallow secondary disturbances, and as these spread eastwards the wind on our east and southeast coasts will probably increase to the force of a gale.

## FORECASTS

for the 24 hours ending at NOON on 3<sup>rd</sup> May 1883.

### DISTRICTS.

- 10 SCOTLAND NORTH
- 11 SCOTLAND EAST
- 12 ENGLAND N.E.
- 13 ENGLAND EAST
- 14 MIDLAND COUNTIES
- 15 ENGLAND SOUTH

### FORECASTS.

S<sup>th</sup> winds, increasing in force; unsettled, some rain.

..... D° ..... D° ..... D°

..... D° ..... D° ..... D°

Same as N° 5.

Same as N° 5.

S<sup>th</sup> and S.W. winds, strong, perhaps a gale; squally and showery to fair.

### DISTRICTS.

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

### FORECASTS.

SE<sup>th</sup> to SW<sup>th</sup> strong winds or gales; squally, some rain.

..... D° ..... D° ..... D°

SW<sup>th</sup> to W<sup>th</sup> strong winds and gales; squally, showery.

..... D° ..... D° ..... D°

..... D° ..... D° ..... D°

The SOUTH CONE has been hoisted this morning in districts 3, 5 and part of 2, and is now flying on all coasts.

### WARNINGS

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.52	50	44	ESE	6	om	4	Holyhead ...	29.27	49	46	W	7	cg	6
Sumburgh Head ...	29.21	44	44	SE	5	r	6	Valencia ...	29.65	38	46	WNW	5	bg	5
Stornoway ...	29.06	49	49	SW	3	r	3	Scilly ...	29.71	57	48	W	8	b	6
Aberdeen ...	29.14	48	46	S	4	c	2	Jersey ...	29.72	54	50	W	6	b	4
Shields ...	29.13	53	50	SSW	4	b	2	Dungeness ...	29.57	52	48	SW	6	c	4
Ardrossan ...	29.06	47	47	SW	2	o	2	London ...	29.46	50	50	SW	5	og	*
Malin Head ...	?	44	43	NW	7	o	4	Yarmouth ...	29.41	58	52	SSW	6	bcg	4
Mullaghmore ...	29.34	49	45	WNW	8	cp	7	Rochefort ...	29.96	59	54	W	8	bc	3
Belmullet ...	29.26	48	42	WNW	7	c	*								

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

The reports for yesterday morning showed, that pressure then varied from 30.1 ins. and more, over Finland and the Baltic Provinces, as well as over the Black Sea, Asia Minor and the Grecian Archipelago, to 29.0 ins. and less, in a V-shaped depression which lay over the north of Ireland. Thus while S. and SE. winds prevailed over northern Europe and the North Sea, SW. winds were felt in France, and W. to NW. gales and strong breezes in Ireland. The weather was fine in the northern and central countries, cloudy elsewhere, with showers in several parts of the British Islands. Temperature had risen in most places, but fallen in several parts of England, and varied from 70 and more, over Algeria and the western parts of the Mediterranean, to somewhat below 40. over northern Europe. The highest individual values were 72° at Biskra (Algeria), 71° at Barcelona, 66° at Perpignan, 62° at Malta, Palermo, Naples and Bilbao, 61° at Brindisi and Oporto, 60° at Trieste and Lening, 59° at Wiesbaden, 55° at Leith, 54° in London, 53° at Loughborough and 51° at Shields and the Haw, the lowest were 36° at Naparanda, 38° at Archangel, 39° at Uleaborg and Kuopio, 42° at Faerder, 43° at Sumburgh Head, and 48° at Valencia (Ireland).

Later in the day the depression in the northwest passed off, and the thermometer became still lower over the British Islands for a time.

### 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> May* 1888.  
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 3.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force, (0 to 12.)		Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force, (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	30.02	40	2	0	b	29.93	-15	48	44	+ 8	SE	4	c	*	50	28	-	
	Hernösand ...	29.82	40	2	0	c	29.76	-22	38	37	+ 1	2	c	f	*	55	28	0.12	
	Stockholm ...	29.76	42	2	0	b	29.87	+08	48	44	+ 3	SSW	2	b	*	?	39	0.08	
	Wisby ...	29.86	44	S	4	b	29.97	+23	48	44	- 3	SSW	4	bc	*	57	41	0.08	
	Bodö ...	29.70	50	SE	4	c	29.87	-17	49	44	- 3	SE	6	0	3	54	47	-	
	Christiansund...	?	62	?	2	c	29.82	-09	48	44	- 3	SE	1	c	1	54	41	-	
	Skudesnaes ...	29.88	42	SSW	7	c	29.37	-08	42	41	0	SSW	7	c	5	?	?	-	
	Christiania Fjord (Færder)	29.70	40	SSW	6	f	29.87	+02	40	40	- 1	SE	7	r	4	43	40	0.12	
	Skagen (The Scaw)	29.79	44	W	3	bc	29.87	+01	43	43	- 2	S	4	0	4	48	42	0.08	
	Fanö ...	29.79	46	S	4	c	29.64	-02	47	45	+ 4	SW	5	b	*	?	43	0.16	
BRITISH ISLANDS.	Sumburgh Head	29.17	42	SSW	3	r	29.08	-22	45	43	+ 1	SSW	2	0	4	49	40	0.05	
	Stornoway ...	28.93	47	S	8	r	29.16	-06	42	42	- 1	NW	7	r	6	49	40	0.46	
	Wick ...	29.07	49	S	3	bc	29.05	-29	48	45	+ 3	N	2	0	2	50	41	0.02	
	Nairn ...	29.06	48	SSW	3	c	29.08	-27	44	42	+ 1	WSW	1	p	1	55	41	0.02	
	Aberdeen...	29.18	48	S	5	b	29.04	-44	44	42	- 3	NW	3	c	2	51	41	0.04	
	Leith ...	29.21	50	SW	5	c	29.05	-39	50	45	+ 4	W	6	cq	*	57	39	0.05	
	Shields ...	29.34	49	SW	5	b	29.20	-36	48	45	+ 2	SW	6	bc	2	54	41	-	
	Spurn Head ...	29.50	50	SW	5	c	29.49	-24	47	43	0	SW	7	cq	3	51	40	0.05	
	York ...	29.46	54	SW	4	bc	29.41	-26	46	43	0	W	7	bc	*	55	43	0.09	
	Loughborough	29.56	52	WSW	5	b	29.60	-15	48	42	+ 3	W	6	c	*	55	42	0.10	
GERMANY.	Ardrossan ...	29.18	48	S	5	cp	29.21	-12	45	44	+ 1	W	8	oq	6	49	42	0.54	
	Malin Head ...	28.96	45	SW	7	0	29.42	+30	44	41	- 1	NW	7	oq	6	51	39	0.34	
	Mullaghmore...	29.13	48	SW	9	cq	29.64	+47	44	42	- 5	NW	8	cq	6	54	42	0.19	
	Belmullet ...	29.18	47	WSW	10	op	29.74	+60	48	43	- 1	W	8	bc	*	51	49	0.20	
	Donaghadee ...	29.13	50	WSW	7	b	29.41	+12	46	43	+ 1	WNW	8	bc	7	56	42	0.07	
	Barrow-in-Furness	29.38	46	S	6	c	29.38	-17	45	42	+ 7	SW	10	op	*	50	42	0.22	
	Liverpool (Bidston)	29.45	48	SW	6	bc	29.50	-09	46	41	+ 1	WSW	9	bc	5	55	43	0.15	
	Holyhead ...	29.43	47	SSW	6	bc	29.63	+17	45	42	0	W	8	cq	7	50	43	0.24	
	Parsonstown ...	29.40	46	WSW	4	bc	29.78	+44	46	42	- 4	WSW	3	c	*	54	40	0.14	
	Valencia ...	29.57	43	WSW	7	cq	29.96	+54	50	45	0	W	6	bc	6	52	41	0.12	
FRANCE & NETHERLANDS.	Roche's Point...	29.58	47	W	6	bc	29.88	+41	48	44	+ 1	WNW	5	b	4	57	42	0.18	
	Pembroke ...	29.59	47	WSW	8	bc	29.82	+30	46	44	0	W	7	bc	6	49	43	0.05	
	Scilly ...	29.82	50	WSW	7	bc	30.04	+36	49	45	0	W	7	c	7	54	42	0.15	
	Prawle Point ...	29.78	47	WSW	6	b	29.97	+15	45	43	- 1	W	7	bc	6	49	37	0.20	
	Jersey ...	29.90	48	WSW	4	orm	30.09	+09	49	43	- 1	WSW	6	bc	5	53	44	0.21	
	Hurst Castle ...	29.76	47	WSW	8	c	29.92	+02	47	45	- 1	WSW	7	c	4	50	48	0.15	
	Dungeness ...	29.79	47	SW	6	r	29.82	-11	47	45	+ 3	W	6	0	5	51	44	0.23	
	London ...	29.70	49	WSW	4	c	29.78	-11	48	43	- 3	W	6	cq	*	52	41	0.18	
	Oxford ...	29.69	46	SW	4	bc	29.79	-04	46	42	0	SW	7	cq	*	52	42	0.26	
	Cambridge ...	29.64	50	SW	2	bc	29.71	-14	48	43	0	SW	4	0	*	56	40	0.07	
PENIN- SULA.	Yarmouth ...	29.67	49	SSW	6	orm	29.66	-19	48	44	0	WSW	6	cq	4	55	40	0.11	
	Cuxhaven ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Berlin ...	30.05	57	2	0	bc	29.91	-05	58	52	+ 4	SSW	2	bc	*	61	46	-	
	Wiesbaden ...	*	*	*	*	*	30.01	-10	52	49	- 1	SW	2	r	*	64	46	-	
	Munich ...	30.13	54	2	0	c	30.14	-04	55	48	+ 2	W	5	b	*	63	43	-	
	The Helder ...	29.79	47	SSW	4	r	29.73	-16	46	44	- 1	SW	5	b	3	54	45	0.20	
	Brussels ...	*	*	*	*	*	29.93	-11	48	44	0	SW	7	0	*	62	45	0.16	
	Cape Gris Nez...	29.80	48	SW	7	r	29.89	-07	46	46	- 1	WSW	8	b	7	55	43	0.24	
	Paris ...	29.99	59	SW	5	0	30.77	-02	49	45	+ 1	WSW	5	bc	*	68	46	0.04	
	Brest ...	29.96	51	W	5	0	30.13	+16	48	46	- 1	W	5	c	6	54	45	0.59	
PENIN- SULA.	Lorient ...	30.00	49	WNW	7	0	30.20	+12	49	46	- 1	WNW	7	b	5	54	45	0.28	
	Rochefort ...	30.19	55	WSW	7	bc	30.31	+12	53	49	0	WNW	7	bc	2	61	45	0.16	
	Belfort ...	30.10	61	W	1	b	30.14	-01	51	49	- 4	W	4	0	*	63	40	-	
	Lyons ...	30.13	60	E	1	b	30.22	+03	50	47	0	WNW	1	p	*	65	47	-	
	Nice ...	30.09	61	SSW	3	bc	30.06	-02	65	58	+ 10	E	1	b	2	68	55	-	
	Perpignan ...	30.16	65	NW	3	c	30.21	+06	63	51	+ 5	NW	3	bc	*	73	54	-	
	Biarritz ...	30.22	60	WNW	4	b	30.33	+12	54	53	0	WNW	5	r	3	63	50	-	
	Corunna ...	*	*	*	*	*	30.46	+24	57	54	+ 3	N	5	m	5	66	51	0.12	
	Lisbon ...	30.34	56	N	5	b	30.37	+09	58	55	+ 5	NNE	5	bc	5	63	54	-	

For Explanation of Columns, see p. 4.

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



# WEATHER CHARTS

for 8 a.m. on

Thursday, 3<sup>rd</sup> May,

1888.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

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

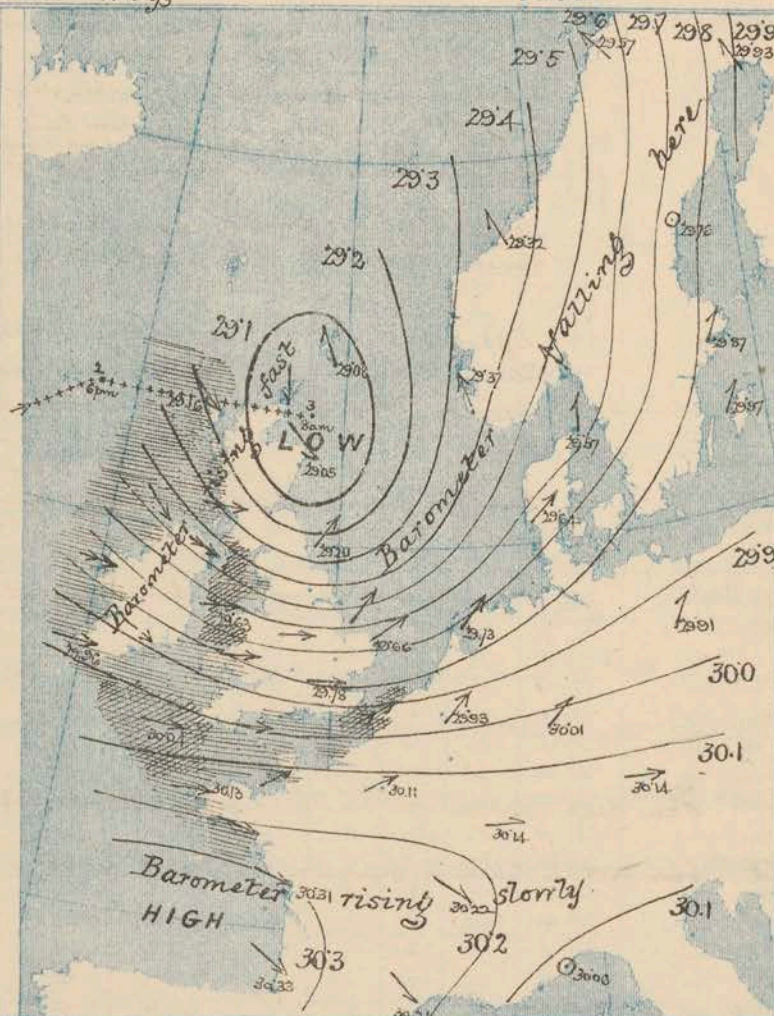
▨ = Rough, ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871-1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.878
Stornoway	29.893
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Scilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



## 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.

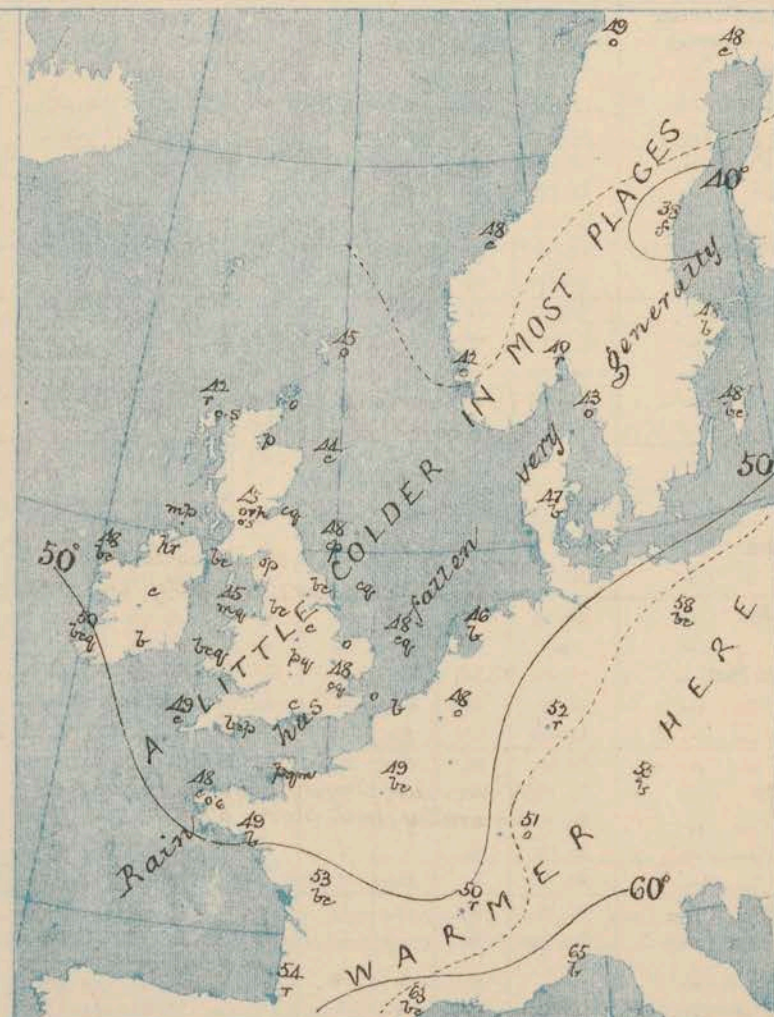
## MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of May

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 5 a m.		
			Dry	Wet.	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway.	52.9	40.7	48.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.67
Aberdeen	55.0	41.7	48.9	45.3	1.20
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	2.20
Donaghadee	56.9	43.6	49.5	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Scilly	56.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.5	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.3 ins: and upwards, in an anticyclone lying over the Iberian Peninsula and the southern part of the Bay of Biscay. Lowest, 29.1 ins: and less, in a depression lying over the north and east of Scotland. Barometer slight in the immediate neighbourhood of the high and low pressure systems, but steep elsewhere. Barometer rising fast on our west coasts, falling decidedly on our north-east coasts and also on the eastern shore of the North Sea.
TEMPERATURE	Highest, 65° at Kier, 63° at Killybeg, 58° at Berlin and Lisbon, 55° at Munich, 54° at Biarritz, and 53° at Rochefort. Lowest, 38° at Helsingfors, 40° at Gaarder, 42° at Kudemaa and Stornoway, 43° at Rügen, and 44° at Aberdeen, Malin Head, and Mullaghmore.
WIND	Light from NW. or N. in the north and east of Scotland. Strong to gale from the W <sup>nd</sup> on all our west and south coasts; gale over the Irish Sea. Strong from SW. on our east coasts; SE <sup>y</sup> on the eastern shore of the North Sea.
WEATHER	Squally and showery over the greater part of Western Europe, but fine in the south of France. Rain fell generally yesterday, the largest amount being 0.6 in. at Brest, 0.5 in. at Stornoway and Anderson.
SEA	High in the Irish Sea and St. George's Channel, and rough on our west, south and extreme north coasts generally.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The deep depression in the north will probably move further eastward, and a considerable increase of wind from NW. is likely to occur on the Scotch coasts. In the west the weather will probably improve gradually.

## FORECASTS

for the 24 hours ending at NOON on 4<sup>th</sup> May 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
1 SCOTLAND NORTH	NW <sup>th</sup> winds, increasing to a gale; squally, showery.	6 SCOTLAND WEST	W <sup>th</sup> to NW <sup>th</sup> gales, moderating later; squally, showery.
2 SCOTLAND EAST	-----D°-----D°-----D°-----	7 ENGLAND N. W.	-----D°-----D°-----D°-----
3 ENGLAND N. E.	SW <sup>th</sup> to W <sup>th</sup> strong winds and gales, moderating later; squally, showery.	8 ENGLAND S. W.	Same as No 5
4 ENGLAND EAST	-----D°-----D°-----D°-----	9 IRELAND NORTH	NW <sup>th</sup> gales, moderating and backing later; squally, showery
5 MIDLAND COUNTIES	-----D°-----D°-----D°-----	10 IRELAND SOUTH	Same as No 5
11 ENGLAND SOUTH	W <sup>th</sup> winds, strong; squally; fair generally, but some showers.		

### WARNINGS

The north cone has been hoisted this morning in districts 0 and 1, and the south cone in district 2. Signals are still flying in districts 3 and 5.

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.59	41	41	S 6	cg	5	Holyhead ...	29.44	48	46	SW 4	cg qm	6
Sumburgh Head ...	29.36	44	41	SE 2	0	3	Valencia ...	29.51	52	49	WSW 4	bc qm	7
Stornoway ...	29.02	47	47	S 4	0	5	Scilly ...	29.75	54	50	WSW 6	bc m	6
Aberdeen ...	29.25	45	43	S 4	cg	5	Jersey ...	29.91	51	48	SSW 5	r	4
Shields ...	29.40	48	46	S 6	o q	2	Dungeness ...	29.86	50	46	SW 4	0	4
Ardrossan ...	29.22	49	45	S 5	c	4	London ...	29.79	50	48	SSW 6	o q	5
Malin Head ...	29.04	50	45	SW 8	c	5	Yarmouth ...	29.74	55	48	SSW 4	cg	5
Mullaghmore ...	29.15	50	46	SW 9	bc q p	6	Rochefort ...	30.21	61	55	W 5	bc	2
Belmullet ...	29.11	48	45	WSW 10	0	*							

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

The reports for yesterday morning showed that pressure varied from about 30.1 ins: over Russia (on the one hand) and from between 30.1 ins: and 30.3 ins: over Southwestern Europe, to 29.2 ins: and less, in a depression off the northwest of Ireland. S.W. to S.E. winds, varying from a moderate breeze to a gale were prevalent over the British Isles and France, while S.E. winds were felt over Scandinavia, and the weather was cloudy, showery, and unsettled generally. Temperature had decreased slightly except in the far north, and ranged from between 60° and 70° on the shores of the Mediterranean to between 35° and 40° over Northern Europe. The highest individual values were 75° at Biskra (Algeria), 64° at Brindisi and Palermo, 63° at Malta, Rome, and Genoa, 61° at Trieste, 58° at Perpignan, 57° at Bodo, 51° at Christiansund, and 50° at Valencia; the lowest were 37° at Archangel and Helsingfors, 40° at Haparanda, 41° at St. Petersburg and 42° at Hango.

Later in the day the depression in the northwest moved eastwards, and the wind veered considerably at our western stations, and blew hard in many places, with squally, showery 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 *Friday, 4<sup>th</sup> May* 1888.  
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.				
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Weather.	Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	29.92	37	S	2	0	29.73	- 20	37	37	- 11	SE	6	T	*	50	36	0.04	
	Hernösand ...	29.72	37	S	6	T	29.74	- 02	34	34	- 4	S	2	T	*	48	?	0.12	
	Stockholm ...	29.76	43	SSE	2	0	29.80	- 07	48	43	0	S	2	T	*	57	41	-	
	Wisby ...	29.89	46	S	4	T	29.93	- 04	46	43	- 2	SSW	4	T	*	61	37	0.04	
	Bodö ...	29.47	48	SE	2	C	29.42	- 15	48	42	- 1	SSE	2	C	1	50	44	-	
	Christiansund...	29.39	44	SE	1	0	29.40	+ 08	43	42	- 5	WSW	4	0	2	54	39	0.20	
	Skudesnaes ...	29.32	41	SE	6	T	29.69	+ 32	42	39	0	W	6	0	5	43	41	-	
	Christiania Fjord (Fjærd)	29.59	41	SE	4	0	29.55	- 02	41	40	+ 1	SW	6	0	5	60	40	0.20	
	Skagen (The Scaw)	29.58	44	SSW	3	0	29.68	+ 11	41	41	- 2	WSW	3	0	3	50	39	0.08	
	Fanö ...	29.70	43	WSW	6	C	29.89	+ 25	43	41	- 4	W	5	C	*	48	41	-	
BRITISH ISLANDS.	Sumburgh Head	29.26	45	W	3	0	29.66	+ 58	42	40	- 3	W	3	C	4	46	37	0.02	
	Stornoway ..	29.59	44	NW	6	0	29.79	+ 63	41	41	- 1	W	4	C	3	48	35	0.12	
	Wick ...	29.48	45	NW	7	0	29.81	+ 76	41	40	- 7	NW	5	chp	3	51	34	0.08	
	Nairn ...	29.58	44	W	2	bc	29.87	+ 79	44	40	0	W	3	bep	3	58	34	0.05	
	Aberdeen...	29.53	46	WNW	6	C	29.90	+ 86	48	41	+ 4	W	3	C	2	51	35	0.07	
	Leith ...	29.67	48	W	5	C	29.99	+ 94	47	42	- 3	W	4	C	*	55	37	-	
	Shields ...	29.67	49	W	4	bc	30.03	+ 83	46	42	- 2	W	3	C	2	54	38	-	
	Spurn Head ...	29.73	50	W	7	bc	30.05	+ 86	45	42	- 2	WNW	4	C	2	51	41	-	
	York ...	29.77	49	W	6	b	30.08	+ 67	46	41	0	NW	3	C	*	54	44	-	
	Loughborough	29.90	50	WNW	4	bc	30.13	+ 53	45	41	- 3	WNW	3	C	*	54	39	0.02	
GERMANY.	Ardrossan ...	29.72	49	WNW	5	C	30.02	+ 81	45	44	0	WSW	3	C	2	51	40	-	
	Malin Head ...	29.79	44	NW	4	bep	29.96	+ 54	43	41	- 1	SW	4	C	4	49	38	0.19	
	Mullaghmore ...	29.87	46	W	6	cp	30.08	+ 44	45	43	+ 1	SW	5	bep	4	52	37	0.02	
	Belmullet ...	29.95	44	NW	5	bc	30.12	+ 38	46	41	- 2	NW	3	C	*	49	40	0.10	
	Donaghadee ...	29.82	49	SW	5	C	30.08	+ 67	46	43	0	W	5	C	3	54	35	0.05	
	Barrow-in-Furness	29.81	45	W	6	T	30.08	+ 70	43	41	- 2	NW	3	C	*	50	40	0.06	
	Liverpool (Bidston)	29.83	48	WSW	6	b	30.13	+ 63	45	42	- 1	W	4	C	3	52	40	0.22	
	Holyhead ...	29.85	45	SSW	5	cp	30.14	+ 51	51	47	+ 6	W	1	C	2	53	40	0.08	
	Parsonstown ...	29.99	46	W	3	C	30.16	+ 38	45	42	- 1	WSW	2	C	*	51	34	0.11	
	Valencia ...	30.10	49	W	4	cp	30.22	+ 26	51	47	+ 1	WNW	1	C	2	52	40	0.17	
FRANCE & NETHERLANDS.	Roche's Point...	30.06	50	W	5	b	30.18	+ 30	49	46	+ 1	WNW	3	C	3	52	41	0.01	
	Pembroke ...	30.02	46	WSW	6	b	30.18	+ 36	46	45	0	WSW	2	C	2	48	43	-	
	Scilly ...	30.19	47	WSW	6	C	30.17	+ 13	49	48	0	SW	4	T	4	51	43	0.10	
	Prawle Point ...	30.17	47	SW	4	C	30.21	+ 24	46	45	+ 1	WSW	4	C	3	52	41	0.15	
	Jersey ...	30.24	50	W	4	b	30.28	+ 19	48	45	- 1	WSW	4	omv	4	52	45	-	
	Hurst Castle ...	30.08	48	WSW	8	bep	30.21	+ 29	45	44	- 2	W	3	omv	4	53	44	0.03	
	Dungeness ...	29.98	47	W	7	bc	30.17	+ 35	47	45	0	W	4	C	3	51	43	0.06	
	London ...	30.02	48	W	4	bc	30.18	+ 40	48	44	0	W	3	C	*	55	39	-	
	Oxford ...	30.04	42	SW	3	b	30.18	+ 39	46	42	0	W	2	C	*	52	39	0.39	
	Cambridge ...	29.95	48	SW	3	b	30.15	+ 44	48	44	0	W	1	C	*	58	37	0.05	
PORTUGAL.	Yarmouth ...	29.86	48	WNW	5	cp	30.08	+ 42	45	43	- 3	WNW	4	C	3	54	40	0.08	
	Cuxhaven ...	29.89	58	W	5	C	30.05	+ 24	48	47	-	W	3	0	*	71	46	0.04	
	Berlin ...	30.03	50	SW	2	bc	30.15	+ 24	49	44	- 9	WSW	3	C	*	63	41	0.08	
	Wiesbaden ...	*	*	*	*	*	30.27	+ 26	48	43	- 4	SW	3	C	*	59	37	0.04	
	Munich ...	30.24	49	W	4	0	30.31	+ 17	50	46	- 5	S	1	C	*	66	45	-	
	The Helder ...	29.89	46	SW	5	C	30.05	+ 32	46	44	0	WSW	3	C	3	50	45	0.04	
	Brussels ...	*	*	*	*	*	30.20	+ 27	48	44	0	WSW	4	C	*	54	42	-	
	Cape Gris Nez...	*	*	*	*	*	30.32	+ 21	48	44	- 1	W	3	C	*	58	44	0.04	
	Paris ...	30.22	54	W	5	bc	30.32	+ 13	48	44	0	SW	4	T	5	54	43	0.04	
	Brest ...	30.28	50	WNW	5	0	30.26	+ 12	48	47	- 1	WSW	4	0	4	54	46	0.04	
PORTUGAL.	Lorient ...	30.33	51	W	7	b	30.42	+ 11	49	?	- 4	WNW	4	0	2	59	43	-	
	Rocheport ...	30.41	54	WNW	5	bc	30.32	+ 18	51	46	0	W	1	C	*	59	36	0.04	
	Belfort ...	30.19	?	W	1	b	30.39	+ 17	47	43	- 3	NW	3	C	*	63	44	-	
	Lyons ...	30.03	57	N	4	bc	30.06	- 00	61	55	- 4	NW	1	C	3	72	32	-	
	Nice ...	30.04	64	W	0	bc	30.35	+ 14	56	48	- 7	NW	4	0	*	70	50	-	
	Perpignan ...	30.25	61	NW	5	C	30.44	+ 11	51	?	- 3	WSW	3	0	6	59	46	-	
	Biarritz ...	30.40	57	NW	5	C	30.41	- 05	56	52	- 1	NE	4	m	3	70	45	-	
	Corunna ...	*	*	*	*	*	30.35	- 02	59	55	+ 1	NW	4	C	3	70	54	-	
	Lisbon ...	30.34	58	WNW	7	b	30.35	- 02	59	55	+ 1	NW	4	C	3	70	54	-	

For Explanation of Columns, see p. 1.

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



## CHARTS

Friday, 4<sup>th</sup> May

1883.

(*Explanation of Map*)

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

\*  $\longrightarrow$  = forces above  $W$ ;  $\longrightarrow$  = forces 8 to  $W$ .  
 $\longrightarrow$  = forces 5 to 7;  $\longrightarrow$  = forces 1 to 4.

⑤ = dead calm.

*Sea Disturbance*—where considerable is shewn thus.

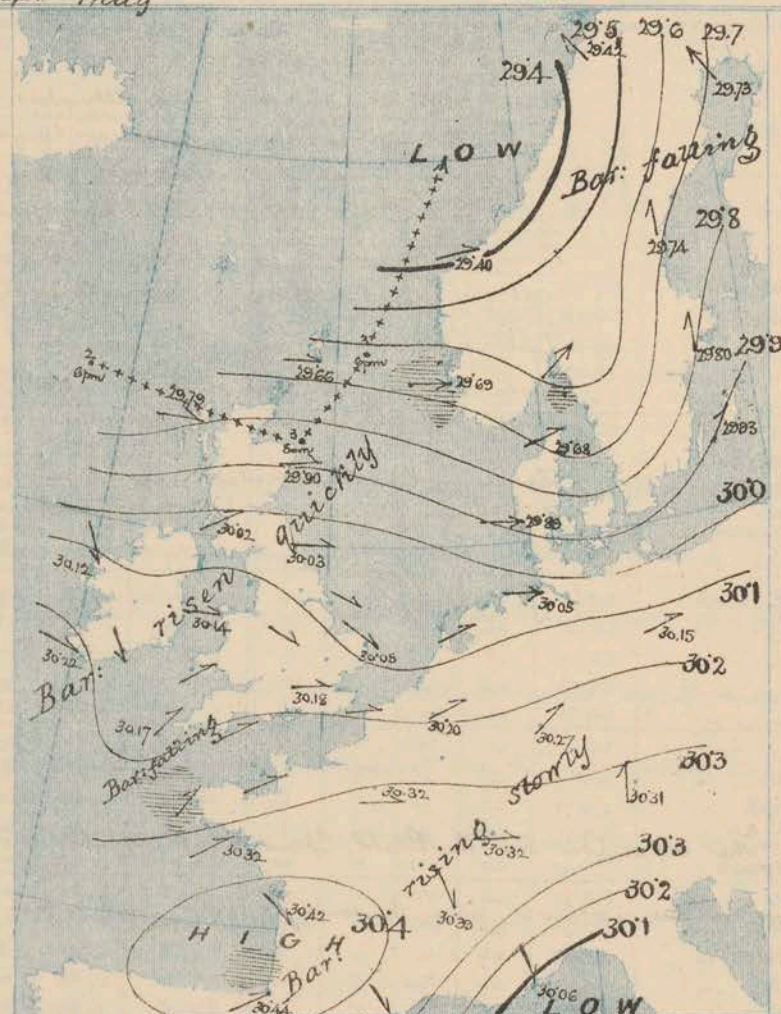
 = *Rough*.  = *High*

MEAN HEIGHT *of the* BAROMETER

at 3 a. m. for the month of May

*During the 15 Years 1871—1886*

STATIONS.	MEAN READINGS.
	<i>ins.</i>
Sumburgh Head	29° 878
Stornoway	29° 893
Wick	29° 906
Nairn	29° 918
Aberdeen	29° 922
Leith	29° 942
Shields	29° 955
York	29° 974
Loughborough	29° 984
Ardrrossan	29° 949
Donaghadee	29° 959
Holyhead	29° 971
Liverpool	29° 974
Parsonstown	29° 976
Valencia	29° 984
Roche's Point	29° 979
Pembroke	29° 977
Scilly	29° 997
Jersey	30° 003
Hurst Castle	29° 994
Dover	29° 985
LONDON	29° 995
Oxford	29° 993
Cambridge	29° 989
Yarmouth	29° 980



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

Weather is shown by Letters of the Beaufort Scale

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.

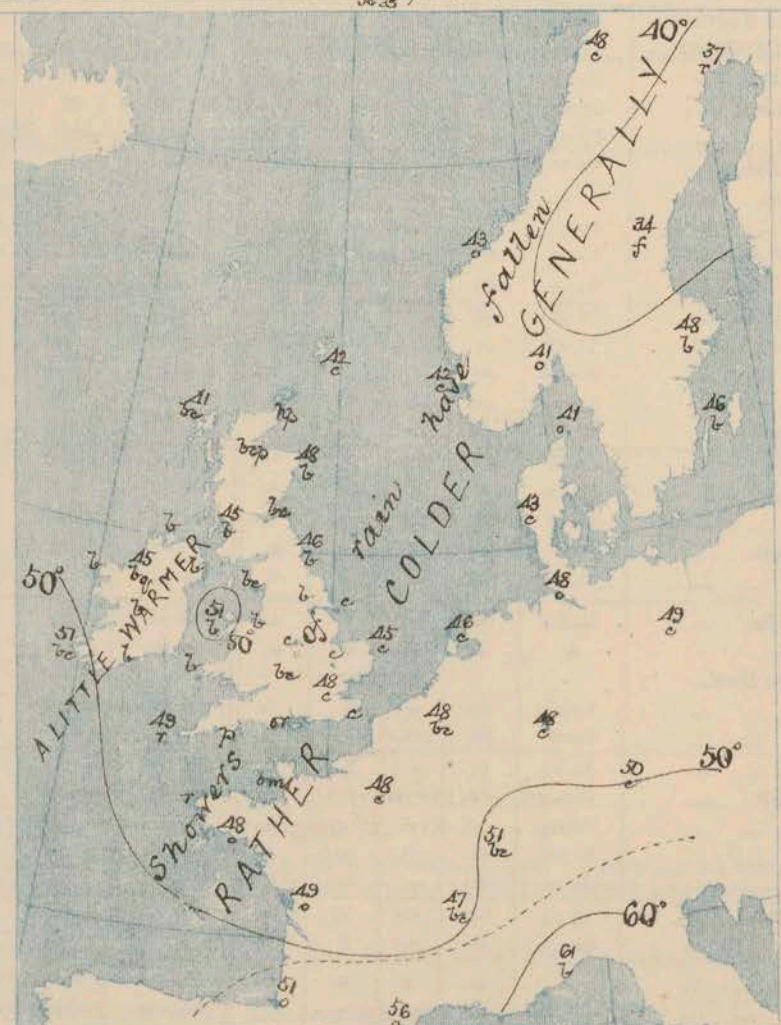
## MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of May.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 3 a.m.		
			Dry.	Wet.	
Sunburgh Head	50·2	39·9	45·9	43·9	1·71
Stornoway	52·3	40·7	48·4	46·0	2·64
Wick	53·7	40·4	47·9	45·2	1·62
Nairn	55·9	42·0	48·4	45·0	1·67
Aberdeen	55·0	41·7	48·9	45·3	1·90
Leith	57·8	42·2	50·1	46·7	1·85
Shields	54·2	43·1	49·1	45·9	1·75
York	59·3	41·6	49·6	48·4	1·71
Loughborough	61·6	42·2	51·2	47·6	1·96
Ardrossan	56·2	43·7	49·3	46·4	2·20
Donaghadee	55·9	43·6	49·5	47·3	2·15
Holyhead	55·0	46·1	50·3	47·8	1·88
Liverpool	57·5	44·7	50·6	46·8	1·74
Parsonstown	59·3	42·3	51·0	47·7	2·23
Valencia	58·1	45·9	52·8	49·5	2·89
Roche's Point	59·8	46·0	51·7	48·7	3·05
Pembroke	55·1	46·0	49·9	47·4	1·97
Scilly	56·3	48·2	52·7	50·3	1·66
Jersey	59·3	47·1	53·5	50·4	1·74
Hurst Castle	58·3	45·3	51·3	49·7	1·70
Dover	56·8	46·8	52·8	49·2	1·77
LONDON	62·1	44·1	52·4	48·4	1·73
Oxford	60·5	43·9	50·6	47·4	1·83
Cambridge	61·7	41·8	51·3	48·1	1·76
Yarmouth	55·4	44·8	50·5	48·0	1·85

NOTE: The Temperature means are for the 45 years 1871-85, 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 an anticyclone lying over the southern part of the Bay of Biscay and the southwest of France.  
Lowest, 29.4 in: and less, in a depression lying off the northwest of Norway. Other disturbances are lying respectively over the Bristol Channel and the Gulf of Genoa.  
Gradients generally moderate or slight. Barometer falling in Scandinavia, and also at the mouth of the English Channel, but rising elsewhere.

## TEMPERATURE

Highest, 61° at Nice, 53° at Lisbon, 56° at Perpignan, and 51° at Holyhead, Valencia, Belfast and Riga.  
Lowest, 34° at Harbin, 31° at Niparanda, 41° at Faerøer, Skagen, Stornoway and Vicks.  
Slight frost occurred on the ground last night in the neighbourhood of London.

## WIND

Light NW in the west and south of Ireland and the south of France.  
Moderate W in most parts of Western Europe, but S or SE in Sweden and the north of Norway.  
A fresh NW gale was experienced yesterday in the north and east of Scotland.

## WEATHER

Showery in the north of Scotland, and rainy in the extreme south of England, but fair or fine in most other localities.  
Rain or hail fell yesterday at all but our northeastern stations, and a little snow was observed at Luttermouth.

## SEA

Moderate to smooth.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the Bristol Channel will probably move eastwards, and occasion rain in the east and southeast of England.  
On our extreme northwest coast the wind is backing, and a fresh disturbance is therefore likely to advance from the W.

## FORECASTS

for the 24 hours ending at NOON on 5<sup>th</sup> May

1888.

### DISTRICTS.



### FORECASTS.

0	SCOTLAND NORTH	W <sup>ly</sup> and SW <sup>ly</sup> winds, moderate; changeable, some showers.
1	SCOTLAND EAST	-----D°-----D°-----D°-----
2	ENGLAND N.E.	-----D°-----D°-----D°-----
3	ENGLAND EAST	Same as N°5
4	MIDLAND COUNTIES	Same as N°5
5	ENGLAND SOUTH	SW <sup>ly</sup> to NW <sup>ly</sup> winds, moderate; some rain at first, then fair.

### 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	W <sup>ly</sup> winds, moderate to fresh; fair to showery.
10	IRELAND SOUTH	-----D°-----D°-----D°-----
WARNINGS		The signals have been lowered this morning in districts 0 to 2.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.39	43	41	SSE 6	0 f	5	Holyhead ...	29.85	47	43	W 8	c q	7
Sumburgh Head ...	29.18	45	44	SSE 1	0	3	Valencia ...	30.07	52	47	W 5	om j oh	5
Stornoway ...	29.47	48	46	NW 6	0	5	Scilly ...	30.17	51	47	W 6	ben	6
Aberdeen ...	29.30	49	46	W 7	0 g p	3	Jersey ...	30.15	50	46	W 6	bc	5
Shields ...	29.48	52	45	W 2	0	2	Dungeness ...	29.92	50	45	W 6	c	5
Ardrossan ...	29.60	49	46	W 6	0	?	London ...	29.91	53	47	W 6	c q p	*
Malin Head ...	29.69	47	44	W 5	0	5	Yarmouth ...	29.75	54	46	W 6	c q	4
Mullaghmore ...	29.77	50	45	W 5	0	4	Rocheport ...	30.40	57	51	W 7	bc	2
Belmullet ...	29.85	49	44	W 7	0	*							

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

The reports for yesterday morning showed that pressure varied from 30.3 in: and more, both over the Spanish Peninsula and the Black Sea, and from between 30.1 in: and 30.3 in: over nearly the whole of Russia, Hungary, France, and the Bay of Biscay to 29.1 in: and less, in a depression which lay off the northeast of Scotland. S<sup>W</sup> and SE<sup>W</sup> winds prevailed over the Baltic and Scandinavia, S<sup>W</sup> to W<sup>W</sup> over the Netherlands, the Channel and north of France, and W<sup>W</sup> to NW<sup>W</sup> gales on our west and northwest coasts and over the Bay of Biscay. In the south of France the wind was more moderate from NW. The weather was squally over the northwestern <sup>countries</sup> generally, fine in the south and east. Temperature had fallen somewhat, and varied from 60° and more over the Mediterranean to very little above 40° in the north of Scotland, <sup>and</sup> to rather less than that value over many parts of the Baltic. There was no frost prevalent at 8 a.m. The highest individual values were 74° at Biskra (Algeria), 66° at Khendisi, 65° at Monaca and Akie, 64° at Malta, Naples, and Barcelona, 63° at Perpignan, 62° at Nicolaeff and Odessa, 58° at Berlin, 55° at Munich, 54° at Biarritz, 50° at Valencia and 49° at Bodo; the lowest were 37° at Helsingfors and Nango, 38° at Helsingfors, 40° at Lander, 42° at Archangel and at Stornoway, and 44° at Aberdeen.

Later in the day the NW<sup>W</sup> gale spread to the east of Scotland, but the wind subsequently lulled 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 Saturday 5<sup>th</sup> May 1888.  
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. 0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.80	35	SE	2	0	29.73	-.00	36	36	-	1	SSE	2	r	*	39	30	0.16
	Hernösand ...	29.72	37	S	2	0	29.76	+.02	40	36	+	6	WNW	2	bc	*	43	34	-
	Stockholm ...	29.85	42	WSW	2	0	29.95	+.15	44	40	-	4	SW	2	b	*	55	37	-
	Wisby ...	30.01	41	S	4	3	30.11	+.18	40	37	-	6	NW	6	b	*	52	37	-
	Bodö ...	29.52	42	NNE	2	0	29.62	+.20	41	39	-	7	ESE	2	0	1	48	39	0.04
	Christiansund...	29.68	42	SW	4	bc	29.59	+.16	42	39	-	1	WNW	2	bc	3	43	36	-
	Skudesnaes ...	29.92	42	SW	4	0	29.75	+.06	42	40	-	0	SSW	5	0	4	48	41	-
	Christiania Fjord (Færdar)	29.82	42	WSW	4	b	29.89	+.34	41	39	0	SW	6	0	4	46	39	-	
	Skagen (The Scaw)	29.94	37	W	3	b	30.00	+.32	42	40	+	1	WSW	3	c	3	46	36	-
	Fanö ...	30.15	39	SE	2	b	30.13	+.24	46	43	+	3	WSW	4	bc	*	48	39	-
BRITISH ISLANDS.	Sumburgh Head	29.69	44	WSW	4	c	29.51	-.15	38	37	-	4	W	4	0	5	47	35	0.28
	Stornoway ..	29.81	41	W	6	r	29.79	-.02	44	43	+	3	NW	6	bc	5	48	34	0.17
	Wick ...	29.81	48	W	7	bc	29.72	-.09	39	38	-	2	WNW	5	c	3	53	34	0.15
	Nairn ...	29.88	44	W	3	c	29.81	-.06	43	40	-	1	W	3	bc	3	51	36	0.14
	Aberdeen...	29.92	50	W	4	c	29.82	-.08	47	40	-	1	WNW	6	b	2	56	39	-
	Leith ...	30.01	50	W	5	bc	29.93	-.06	46	43	-	1	W	5	cp	*	52	41	0.08
	Shields ...	30.09	50	WSW	3	bc	30.02	-.01	48	46	+	2	W	4	c	2	55	41	-
	Spurn Head ...	30.14	50	WNW	3	bc	30.16	+.11	47	44	+	2	W	5	bc	2	53	41	-
	York ...	30.15	52	W	4	b	30.15	+.07	47	43	+	1	WSW	4	bc	*	57	40	-
	Loughborough	30.18	54	W	2	bc	30.25	+.12	48	44	+	3	W	3	c	*	59	41	-
GERMANY.	Ardrossan ...	30.07	50	WSW	2	c	30.03	+.01	45	43	0	W	5	cp	4	53	42	0.09	
	Malin Head ...	30.04	47	W	5	bpc	30.04	+.08	46	45	+	3	WNW	4	cpm	4	51	42	0.08
	Mullaghmore ...	30.17	48	WSW	5	bc	30.17	+.09	49	46	+	4	WSW	5	cm	4	52	44	0.03
	Belmullet ...	30.19	48	WSW	4	cp	30.20	+.08	49	46	+	3	W	3	b	*	50	45	0.06
	Donaghadee ...	30.14	50	WNW	3	c	30.13	+.05	48	45	+	2	W	4	bc	2	55	40	-
	Barrow-in-Furness	30.14	46	W	5	c	30.16	+.08	45	43	+	2	WSW	6	bc	*	49	42	-
	Liverpool (Bidston)	30.19	51	W	4	bc	30.20	+.07	47	43	+	2	WSW	6	c	4	52	42	-
	Holyhead ...	30.20	47	SSW	4	c	30.23	+.09	46	44	-	5	WSW	4	c	4	52	42	-
	Parsonstown ...	30.24	51	W	2	bc	30.26	+.10	46	44	+	1	Z	0	c	*	54	36	-
	Valencia ...	30.33	50	WNW	3	c	30.33	+.11	51	47	0	WSW	3	om	3	55	42	0.01	
FRANCE & NETHERLANDS.	Roche's Point...	30.27	52	NW	4	bc	30.32	+.14	48	45	-	1	W	3	bc	3	53	42	-
	Pembroke ...	30.31	48	WSW	3	b	30.31	+.14	47	46	+	1	WSW	3	bc	2	51	44	-
	Scilly ...	30.30	49	WNW	2	c	30.38	+.21	50	47	+	1	WNW	2	c	3	51	45	0.02
	Prawle Point ...	30.28	?	S	1	bc	30.27	+.16	48	46	+	2	WNW	3	bc	2	49	37	0.11
	Jersey ...	30.30	52	WNW	3	b	30.39	+.11	48	45	0	NW	3	bc	2	55	44	0.03	
	Hurst Castle ...	30.26	48	SW	3	b	30.24	+.18	48	45	+	3	WSW	3	b	2	51	42	0.05
	Dungeness ...	30.22	46	WSW	4	bc	30.30	+.13	43	43	-	4	WSW	3	f	2	50	41	-
	London ...	30.23	55	W	2	b	30.32	+.14	49	44	+	1	WSW	2	c	*	58	38	-
	Oxford ...	30.25	49	W	2	b	30.31	+.13	46	43	0	SW	3	b	*	57	37	-	
	Cambridge ...	30.20	50	W	1	b	30.27	+.12	50	45	+	2	W	1	c	*	60	34	-
PENINSULA.	Yarmouth ...	30.18	49	SE	2	b	30.21	+.13	49	45	+	4	W	2	b	2	49	40	-
	Cuxhaven ...	30.20	48	Z	0	bc	30.29	+.14	45	43	-	4	WNW	2	0	*	54	41	-
	Berlin ...	*	*	*	*	*	30.37	+.10	45	43	-	3	N	1	r	*	57	39	0.04
	Wiesbaden ...	*	*	*	*	*	30.34	+.03	48	43	+	2	W	1	b	*	65	39	-
	Munich ...	30.37	45	NE	1	c	30.34	+.03	48	43	+	2	W	1	b	*	65	39	-
	The Helder ...	30.23	45	WSW	1	b	30.31	+.16	46	44	0	SSW	1	c	7	48	36	-	
	Brussels ...	*	*	*	*	*	30.33	+.13	47	45	-	1	SSW	3	b	*	55	42	-
	Cape Gris Nez...	30.23	47	SW	5	c	30.29	+.05	44	44	+	2	SW	4	0	2	58	41	-
	Paris ...	30.31	54	WSW	3	0	30.37	+.05	50	48	+	2	SW	1	b	2	61	45	-
	Brest ...	30.30	52	WNW	4	0	30.38	+.12	46	44	-	2	WNW	3	b	2	55	45	0.12



# WEATHER CHARTS

for 8 a.m. on

Saturday, 5<sup>th</sup> May

1883.

## 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.

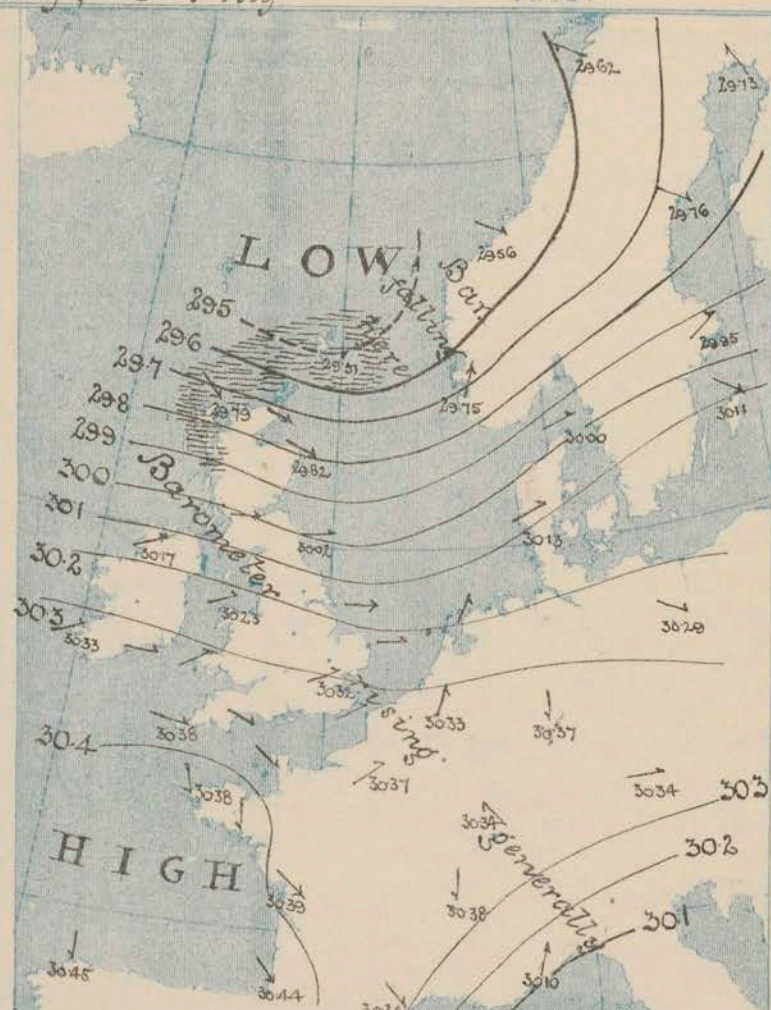
— Rough. — High.

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of May

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
	<i>ins.</i>
Samburgh Head	29.878
Stornoway	29.898
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Scilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



## 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.

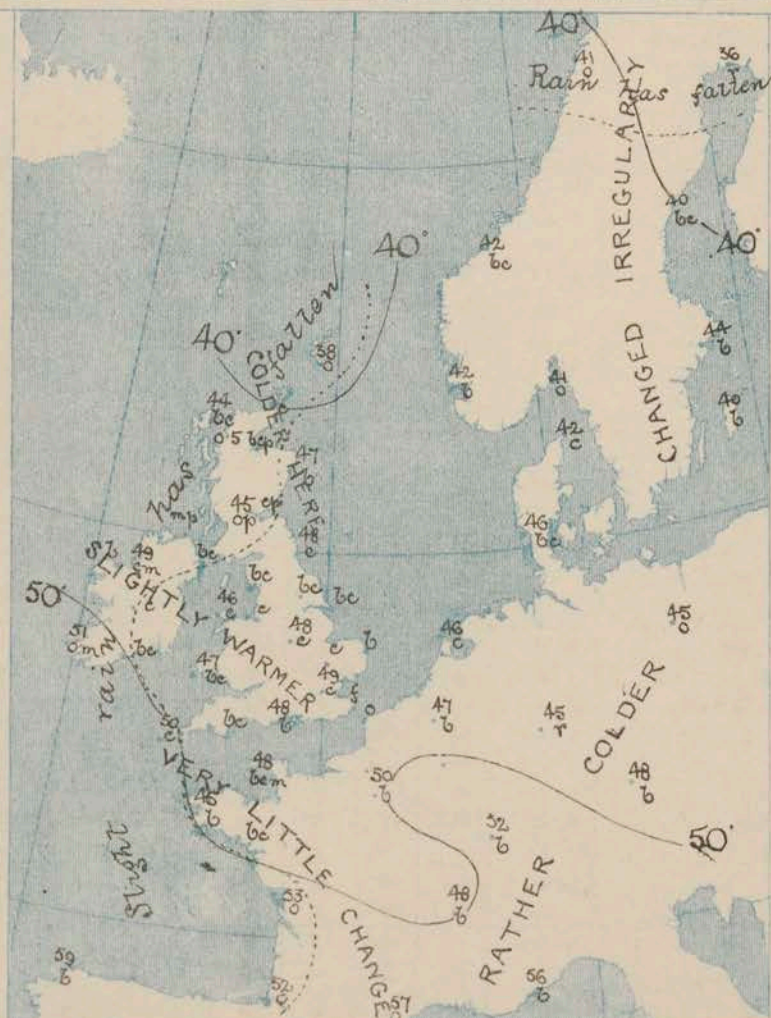
## MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of May.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	48.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.67
Aberdeen	55.0	41.7	48.0	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	53.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.6	49.5	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	48.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Scilly	56.3	48.2	52.7	50.3	1.68
Jersey	59.3	47.1	53.5	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	49.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.4 ins. and upwards, in an anticyclone lying over the Bay of Biscay and north of Spain. Lowest 29.5 ins. and less in a depression lying to the northward of Scotland. Gradients steep over the North Sea and the north of our Islands, but slight elsewhere. Barometer rising at all our northern and northeastern stations.
TEMPERATURE	Highest 63° at Lisbon, 57° at Perpignan, 56° at Nice, 53° at Rochefort, 52° at Belfort and Biarritz, and 51° at Valencia. Lowest 36° at Haparanda, 38° at Lumburgh Head, 39° at Wick, 40° at Hernösand, 41° at Rode, and 42° at Christiansund, Skudsmoes and Skagen.
WIND	W <sup>ly</sup> in our Islands and Germany; strong in force at some of our northern and northwestern stations but moderate elsewhere. Moderate to fresh from SW. on the eastern shores of the North Sea. Light to fresh from NW. or N. over the greater part of France.
WEATHER	Fair generally but showery at some of our northern stations, and rainy at Wiesbaden. Solar halos are reported in many parts of England. Showers fell yesterday in the north and northwest of our Islands, as well as at our southwestern and the French stations.
SEA	Rather rough off the north of Scotland but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the North of Scotland will probably travel away in a northeasterly direction.  
There are at present no definite indications of the advance of any fresh disturbance, but the large quantity of cirrus cloud which has appeared over England seems to show that the weather is not yet settled.

## FORECASTS

for the 24 hours ending at NOON on 6<sup>th</sup> May 1883.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	N <sup>ly</sup> winds, strong; changeable, some cold showers.
1	SCOTLAND EAST	N <sup>ly</sup> winds, fresh; fair generally, but local showers.
2	ENGLAND N.E.	.....D.....D.....D.....
3	ENGLAND EAST	Same as N <sup>o</sup> 5.
4	MIDLAND COUNTIES	Same as N <sup>o</sup> 5.
5	ENGLAND SOUTH	N <sup>ly</sup> winds, moderate; fair generally


### DISTRICTS.


### FORECASTS.

6	SCOTLAND WEST	Same as N <sup>o</sup> 1 and 2.
7	ENGLAND N.W.	Same as N <sup>o</sup> 1 and 2.
8	ENGLAND S.W.	N <sup>ly</sup> to SW <sup>ly</sup> winds, force doubtful; fair at first, but becoming unsettled later.
9	IRELAND NORTH	.....D.....D.....D.....
10	IRELAND SOUTH	.....D.....D.....D.....

### WARNINGS

NONE ISSUED.

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Woa.	Sea.		Bar.	Dry.	Wet.	Wind.	Woa.	Sea.	
Skudesnaes ...	29.86	47	44	WSW	4	c	Holyhead ...	30.29	50	45	SSW	3	b	2
Sumburgh Head ...	29.72	44	41	WSW	3	c	Valencia ...	30.30	54	47	W	2	bc	2
Stornoway ...	29.80	48	47	W	6	bc	Scilly ...	30.24	50	48	NNW	2	bc	5
Aberdeen ...	29.91	55	40	W	4	bc	Jersey ...	30.28	53	49	SW	4	c	4
Shields ...	30.06	54	46	SW	3	bc	Dungeness ...	30.20	50	47	WSW	4	c	3
Ardrossan ...	30.05	51	47	W	3	b	London ...	30.20	55	47	WSW	3	bc	*
Malin Head ...	30.05	49	46	W	5	b	Yarmouth ...	30.15	48	45	NE	3	bc	3
Mullaghmore ...	30.15	52	49	NNW	5	c	Rochefort ...	30.39	55	51	WSW	5	o	2
Belmullet ...	30.19	50	44	W	6	b								

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

*The Continental Information will appear in Sunday's Report*

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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# DAILY WEATHER REPORT.

for Sunday 6<sup>th</sup> May 1888.  
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.			
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	29.74	34	S	4	0	29.85	+ .12	36	35	0	S	2	bc	*	37	30	0.04	
	Hernösand ...	29.83	40	WSW	4	b	29.76	00	38	37	—	SE	2	r	*	32	34	—	
	Stockholm ...	29.93	40	SE	2	b	29.80	— .15	41	37	—	SW	2	o	*	57	36	—	
	Wisby ...	30.08	40	S	6	c	29.97	— .14	41	38	+	WSW	6	bc	*	52	36	—	
	Bodö ...	29.61	40	E	2	bc	29.61	— .01	45	39	+	E	2	c	1	45	36	—	
	Christiansund...	29.49	45	S	3	c	29.73	+ .17	35	35	—	WSW	7	r	4	54	34	0.08	
	Skudesnaes ...	29.81	41	W	6	o	29.96	+ .21	42	40	0	W	2	o	4	45	41	—	
	Christiania Fjord (Fæder)	29.72	40	SW	7	c	29.82	— .07	40	38	—	WSW	5	o	3	43	39	—	
	Skagen (The Scaw)	29.83	38	W	3	b	29.90	— .10	41	39	—	W	5	b	4	52	37	0.04	
	Fanö ...	30.07	41	WSW	5	b	30.13	00	46	43	0	W	4	c	*	48	39	—	
BRITISH ISLANDS.	Sumburgh Head	29.74	42	NW	5	c	29.88	+ .37	44	43	+	W	3	o	4	45	36	0.12	
	Stornoway ..	29.97	40	W	5	c	29.95	+ .16	48	47	+	Z	0	o	2	48	37	0.04	
	Wick ...	29.98	41	NW	5	bc	29.99	+ .27	46	45	+	SW	3	o	2	48	37	0.03	
	Nairn ...	29.98	47	W	3	c	30.02	+ .21	48	46	+	SW	1	c	1	49	39	0.01	
	Aberdeen...	29.98	48	WNW	4	c	30.05	+ .23	47	43	0	SW	2	o	0	53	40	—	
	Leith ...	30.05	48	WNW	5	c	30.10	+ .17	51	49	+	W	3	c	*	55	42	—	
	Shields ...	30.11	52	W	3	c	30.14	+ .12	48	46	0	WSW	3	o	2	55	46	—	
	Spurn Head ...	30.19	50	WNW	5	c	30.23	+ .07	48	46	+	SW	3	cp	2	51	42	—	
	York ...	30.20	51	W	4	o	30.22	+ .07	50	47	+	SSW	2	o	*	54	46	—	
	Loughborough	30.26	54	WNW	4	o	30.28	+ .03	49	46	+	S	2	odp	*	55	45	—	
GERMANY.	Ardrossan ...	30.12	47	W	4	c	30.11	+ .08	47	47	+	SW	2	o	1	51	44	0.02	
	Malin Head ...	30.14	47	W	3	omv	30.08	+ .04	49	49	+	WSW	3	odf	3	51	44	0.01	
	Mullaghmore ...	30.15	49	WSW	3	omv	30.14	— .03	52	51	+	WSW	4	omv	3	53	46	0.03	
	Belmullet ...	30.18	49	SSW	3	o	30.18	— .02	49	49	0	SW	3	o	*	51	48	0.06	
	Donaghadee ...	30.18	52	WNW	2	c	30.15	+ .02	51	50	+	SW	2	o	1	55	47	—	
	Darrow-in-Furness	30.19	48	SW	5	o	30.20	+ .04	46	46	+	SW	3	o	*	50	44	0.04	
	Liverpool (Bidston)	30.24	49	WSW	3	o	30.22	+ .02	55	51	+	SW	1	o	2	55	47	—	
	Holyhead ...	30.25	48	SW	4	c	30.21	— .02	47	47	+	SSW	2	f	2	50	45	—	
	Parsonstown ...	30.24	52	Z	0	o	30.20	— .06	54	52	+	SW	1	o	*	52	45	—	
	Valencia ...	30.25	52	SW	2	rmv	30.26	— .07	52	51	+	WSW	3	of	3	53	48	0.27	
FRANCE & NETHERLANDS.	Roche's Point...	30.30	48	SW	4	r	30.24	— .08	52	51	+	WSW	2	o	3	53	47	0.18	
	Pembroke ...	30.33	46	SW	4	bc	30.26	— .06	47	47	0	SSW	3	fz	3	48	46	0.20	
	Scilly ...	30.38	52	WSW	3	c	30.33	— .05	51	51	+	WSW	3	of	4	55	48	0.02	
	Prawle Point ...	30.40	47	SW	4	bc	30.38	+ .01	48	48	0	SW	2	f	2	51	43	—	
	Jersey ...	30.43	51	WNW	3	bc	30.45	+ .06	50	48	+	SW	3	bcv	2	52	42	—	
	Hurst Castle ...	30.37	48	SW	4	c	30.38	+ .04	48	47	0	SW	4	cd	2	53	36	—	
	Dungeness ...	30.29	48	W	5	bc	30.35	+ .05	47	46	+	W	3	b	2	52	39	—	
	London ...	30.30	54	W	3	c	30.24	+ .02	53	47	+	SSW	3	c	*	58	41	—	
	Oxford ...	30.34	48	SW	3	o	30.33	+ .02	49	46	+	S	2	og	*	54	43	—	
	Cambridge ...	30.27	52	W	1	o	30.20	+ .03	52	48	+	SW	1	o	*	58	38	—	
PENIN- SULA.	Yarmouth ...	30.23	53	W	3	bc	30.27	+ .06	52	48	+	W	2	c	2	57	40	—	
	Cuxhaven ...	30.20	56	W	4	c	30.23	— .04	49	47	+	W	4	bc	*	52	47	—	
	Berlin ...	30.25	52	SW	1	b	30.25	— .04	51	45	+	WNW	3	b	*	57	45	—	
	Wiesbaden ...	*	*	*	*	*	30.40	+ .03	50	43	+	NNW	3	c	*	57	37	0.04	
	Munich ...	30.36	48	NW	1	c	30.41	+ .07	49	45	+	NW	3	c	*	57	41	—	
	The Helder ...	30.24	47	SW	3	c	30.28	+ .07	47	45	+	W	3	b	2	52	45	—	
	Brussels ...	*	*	*	*	*	30.28	+ .05	47	45	0	SW	3	b	*	59	42	—	
	Cape Gris Nez...	30.32	47	WSW	5	bc	30.35	+ .06	46	46	+	WSW	4	c	2	50	43	—	
	Paris ...	30.37	59	WNW	1	b	30.45	+ .08	48	45	—	WSW	1	b	*	64	39	—	
	Brest ...	30.43	51	SW	1	b	30.41	+ .03	50	47	+	SSW	4	o	3	55	45	—	



# WEATHER

# CHARTS

for 8 a.m. on

Sunday, 6<sup>th</sup> May

1883.

## 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.

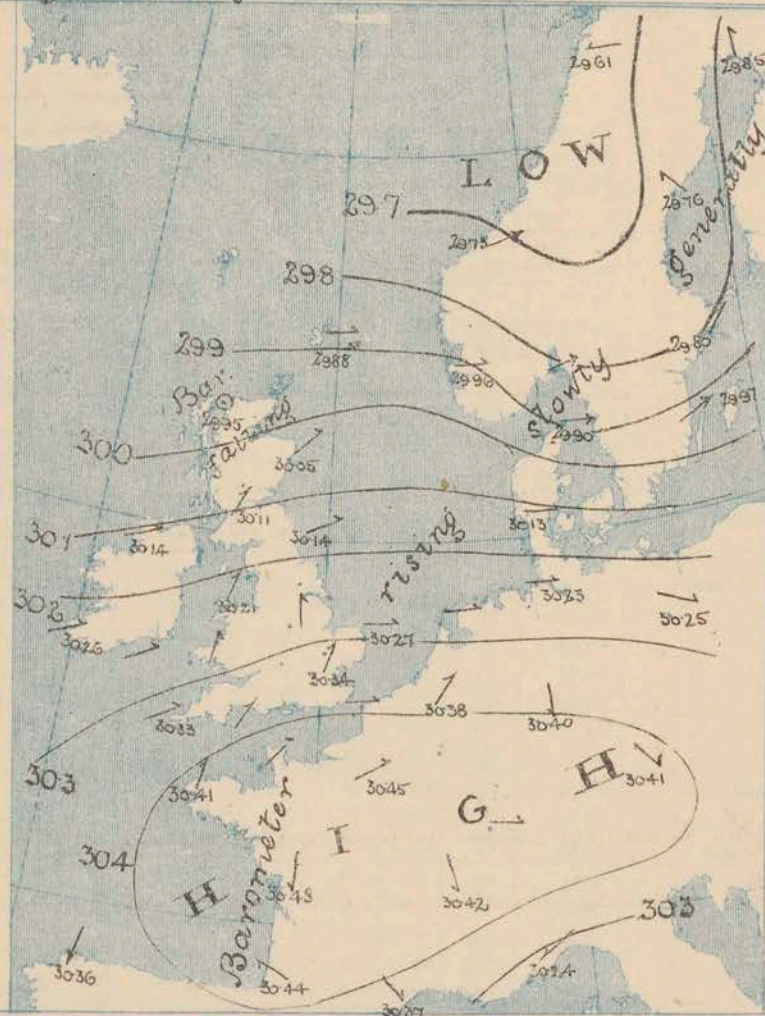
**Sea Disturbance** — where considerable is shown thus.

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.878
Stornoway	29.898
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Scilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



## 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.

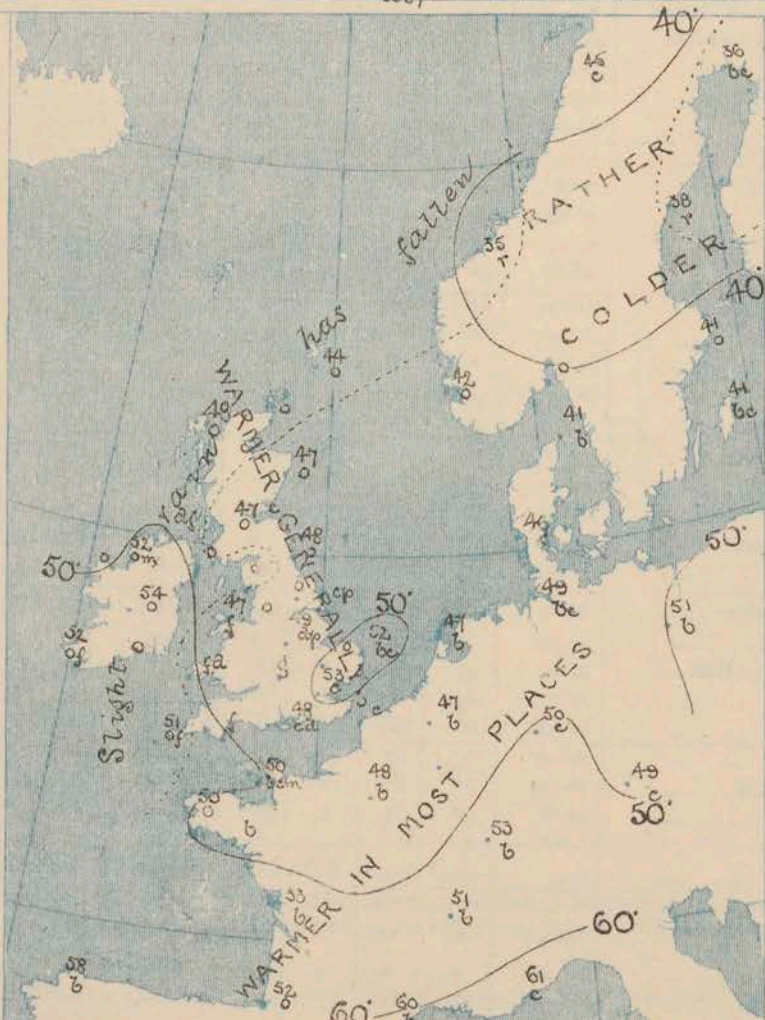
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.  
for the month of May.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	48.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.67
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.6	49.5	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Scilly	56.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.6	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.4 ins. and upwards, in an anticyclone lying over France, South Germany, and the Bay of Biscay.  
 Lowest, 29.7 ins. and less, in a shallow depression lying over the north of Norway.  
 Gradients slight generally. Barometer rising at all but the Swedish and our extreme northern stations.

## TEMPERATURE

Highest, 64° at Lisbon, 61° at Nice, 60° at Perpignan, 58° at Genoa, 54° at Rouen, and 53° at London, Belfort and Rochefort.  
 Lowest, 35° at Christiansund, 36° at Haparanda, 38° at Helsingfors, 40° at Luleå, and 41° at Stockholm and Skagen.

## WIND

Light from the SW<sup>nd</sup> in our Islands, and moderate from W. on the eastern shores of the North Sea.  
 Light SE in the north of Scandinavia, NE over the British Peninsula and the south of France.

## WEATHER

Cloudy over the greater part of our Islands and Scandinavia, with fog on our southern coasts and rain at Helsingfors and Christiansund.  
 Fine in Spain, France, Germany, and the Netherlands.  
 Rain fell yesterday on our western and extreme northern coasts.

## SEA

Moderate to smooth.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression noticed yesterday morning to the northward of our Islands has travelled away to the north of Norway.  
 The shallow disturbance which appeared off the west of Ireland last evening is apparently falling up.

## FORECASTS

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

1883.

### 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

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.73	45	44	WST	b	c	4	Holyhead ...	30.25	49	46	SSW	4	o	4
Sumburgh Head ...	29.65	40	37	NW	5	cpq	5	Valencia ...	30.22	51	49	SSW	4	rm	4
Stornoway ...	29.88	47	46	W	10	r	5	Scilly ...	30.29	53	50	WST	3	c	3
Aberdeen ...	29.92	52	46	NW	5	bc	2	Jersey ...	30.43	52	48	W	4	cm	3
Shields ...	30.05	54	49	W	5	c	2	Dungeness ...	30.30	51	47	WST	4	bc	4
Ardrossan ...	30.08	50	47	W	5	c	4	London ...	30.31	57	50	W	2	c	*
Malin Head ...	30.12	51	49	W	3	o	4	Yarmouth ...	30.21	56	47	WST	4	bc	4
Mullaghmore ...	30.20	50	47	W	4	o	3	Rochefort ...	30.45	58	54	NNW	5	c	2
Belmullet ...	30.21	50	47	W	4	o	*								

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

The reports for yesterday morning showed that pressure was highest 30.4 ins. and upwards in an anticyclone lying over the Bay of Biscay and north of Spain, and lowest 29.5 ins. and less, in a depression lying to the northward of our islands. Relatively low pressures (29.5 ins. and less) were, however, reported over the Black Sea and its immediate neighbourhood. The wind was W<sup>ly</sup> in our islands (strong at the northern stations) and SW<sup>ly</sup> over Scandinavia, the Baltic and West Germany. In East Germany and the south of France, however, it was NW<sup>ly</sup>, while in Italy and Algeria it was light and variable. The weather was fair generally, but ~~showery~~ <sup>generally</sup>, but showery at some of our northern stations and rainy at Haparanda and Helsingfors. Temperature had risen a little over the western and southern parts of the British Isles, but fallen in most other localities; readings ranged from 60° and upwards over Spain, Algeria and South Italy to 40° or less on the shores of the Gulf of Bothnia. The highest individual readings were 70° at Oporto and Oren, 69° at Biskra, 68° at San Fernando, 66° at Brindisi and Cagliari, 63° at Lisbon, and 62° at Algiers. Palermo and Malta; the lowest were 36° at Haparanda, Helsingfors, and Hango, 38° at Sumburgh, 39° at St. Peterburg and Vicks, 40° at Helsingfors, Vicks and Carael, 41° at Looe and Copenhagen, and 42° at Memel, Munster, Christiansund, Skudesnaes and Skagen.

In the course of the day the depression off the north of Scotland moved away in a northeasterly direction, but a small shallow disturbance appeared off the west of Ireland. The barometer therefore fell slowly on our western coasts, and the wind backed to the SW<sup>ly</sup> or S<sup>ly</sup> with rain in the south of Ireland.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Monday, 7<sup>th</sup> May 1888.  
Issued by the Meteorological Office, 116, Victoria Street, London. R.H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 2.)	SHADE TEMP.		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 ..	29.85	35	Z	0	C	29.73	-12	45	40	+9	Z	0	C	*	45	30	-	
	Hernösand ...	29.82	35	Z	0	O	29.81	+05	40	37	+2	Z	0	b	*	43	34	0.04	
	Stockholm ...	29.84	42	Z	0	C	29.90	+10	46	40	+5	SSW	2	bc	*	50	36	-	
	Wisby ...	29.97	38	W	4	b	29.94	+02	38	36	-3	hsw	2	b	*	52	36	-	
	Bodö ...																		
	Christiansund...																		
	Skudesnaes ...	30.00	41	SSZ	4	T	29.80	-16	45	45	+3	hsw	2	T	5	48	41	0.83	
	Christiania Fjord	29.92	43	WSW	3	C	29.84	+02	40	40	0	S	6	T	3	46	40	0.12	
	(Færder)																		
	Skagen (The Scaw)	30.00	40	WNW	4	O	29.88	-02	41	41	0	S	2	O	2	46	39	0.20	
BRITISH ISLANDS.	Fanö ...	30.15	43	W	4	O	30.04	-09	46	45	0	W	4	C	*	48	43	0.08	
	Sumburgh Head	29.81	42	SSW	2	T	29.66	-22	47	46	+3	W	4	O	5	50	42	0.42	
	Stornoway ..	29.86	54	SW	6	O	29.80	-15	52	52	+4	W	6	O	5	54	46	0.04	
	Wick ...	29.90	55	W	5	C	29.80	-19	58	54	+12	W	5	bc	2	58	45	0.02	
	Nairn ...	29.90	56	SW	1	C	29.84	-18	53	52	+5	hsw	2	T	2	59	45	0.02	
	Aberdeen...	29.94	58	SW	4	C	29.87	-18	62	55	+15	W	3	b	O	63	47	-	
	Leith ...	30.05	57	W	5	C	30.00	-10	58	54	+7	W	4	C	*	60	51	0.01	
	Shields ...	30.09	60	WSW	3	C	30.07	-07	60	55	+12	hsw	4	C	2	62	47	-	
	Spurn Head ...	30.17	57	SW	2	bc	30.16	-07	55	52	+7	W	2	b	2	60	46	0.01	
	York ...	30.18	60	W	3	bc	30.12	-10	59	54	+9	W	3	b	*	63	49	-	
GERMANY.	Loughborough	30.21	61	WSW	2	O	30.23	-05	56	54	+7	hsw	3	O	*	64	49	-	
	Ardrossan ...	30.10	51	SSW	1	C	30.06	-05	48	48	+1	SSW	4	O	3	52	43	0.03	
	Malin Head ...	30.10	50	WSW	3	om	30.01	-07	52	52	+3	hsw	4	Op	4	53	49	0.04	
	Mullaghmore ...	30.16	54	W	3	O	30.10	-04	54	53	+2	SW	5	om	3	57	51	0.01	
	Belmullet ...	30.17	54	W	4	O	30.11	-07	52	52	+3	SW	4	O	*	55	38	0.01	
	Donaghadee ...	30.15	62	W	3	C	30.13	-02	57	54	+6	W	4	C	2	64	50	-	
	Barrow-in-Furness	30.19	51	SW	3	O	30.17	-03	49	48	+3	SW	3	bc	*	51	46	0.01	
	Liverpool (Bidston)	30.22	55	W	1	O	30.23	+01	54	51	-1	W	1	b	2	60	53	-	
	Holyhead ...	30.22	49	SSW	4	om	30.23	+02	45	45	-2	SSW	2	f	2	56	45	-	
	Parsonstown ...	30.21	57	Z	0	C	30.19	-01	54	52	0	Z	0	O	*	58	50	-	
FRANCE & NETHERLANDS.	Valencia ...	30.28	51	WSW	2	C	30.24	-02	54	53	+2	hsw	3	O	3	54	48	0.04	
	Roche's Point...	30.25	57	W	3	C	30.26	+02	49	48	-3	SW	3	f	3	53	47	-	
	Pembroke ...	30.28	47	SSW	2	f	30.30	+04	45	44	-2	SW	2	f	2	48	44	0.01	
	Scilly ...	30.34	53	WSW	3	f	30.34	+01	49	49	-2	hsw	2	f	3	54	45	0.01	
	Prawle Point ...	30.36	49	W	2	b	30.35	-03	50	50	+2	W	2	f	2	50	44	0.04	
	Jersey ...	30.40	55	W	3	bc	30.39	-06	53	52	+3	WNW	3	cm	3	60	49	-	
	Hurst Castle ...	30.34	47	SW	4	f	30.33	-05	47	47	-1	SW	2	f	2	49	40	0.01	
	Dungeness ...	30.31	50	WSW	5	C	30.30	-05	46	46	-1	W	4	f	3	53	44	-	
	London ...	30.28	57	WSW	2	O	30.29	-05	57	54	+4	hsw	2	C	*	59	52	-	
	Oxford ...	30.28	55	SW	5	O	30.29	-04	52	51	+3	SW	2	Op	*	58	48	-	
PENIN- SULA.	Cambridge ...	30.27	60	SW	1	C	30.26	-04	57	54	+5	SW	1	O	*	60	50	-	
	Yarmouth ...	30.22	59	W	3	bc	30.21	-06	58	54	+6	W	2	bc	2	58	50	-	
	Cuxhaven ...	30.28	56	NW	4	O	30.20	-03	51	50	+2	hsw	3	O	*	57	48	-	
	Berlin ...	30.23	50	WNW	2	O	30.23	-02	53	50	+2	W	1	O	*	55	46	0.16	
	Wiesbaden ...	*	*	*	*	*	30.37	-03	53	49	+3	W	1	O	*	66	43	-	
	Munich ...	30.38	51	Z	0	b	30.40	-01	53	47	+4	SW	4	b	*	59	41	-	
	The Helder ...	30.24	48	SSW	3	C	30.22	-06	49	48	+2	SW	3	f	2	50	46	-	
	Brussels ...	*	*	*	*	*	30.32	-06	54	52	+7	SW	3	O	*	62	34	-	
	Cape Gris Nez...	30.32	50	hsw	5	bc	30.31	-04	46	46	0	SW	5	f	4	54	45	-	
	Paris ...	30.37	64	NW	1	b	30.39	-06	56	52	+8	Z	0	b	*	67	43	-	
PENIN- SULA.	Brest ...	30.41	51	SW	3	m	30.39	-02	52	51	+2	N	1	O	2	54	48	-	
	Lorient ...	30.43	54	W	3	b	30.39	-06	49	49	+2	NE	3	m	2	57	45	-	
	Rochefort ...	30.43	59	NW	5	b	30.38	-10	58	58	+2	ENE	4	b	2	64	46	-	
	Belfort ...	30.39	60	E	1	b	30.37	-02	57	52	+4	E	1	b	*	70	36	-	
	Lyons ...	30.33	65	NNE	3	b	30.38	-04	54	46	+3	WNW	3	b	*	71	49	-	
	Nice ...	30.21	61	Z	0	b	30.29	+05	61	53	0	E	1	b	O	66	59	-	
	Perpignan ...	30.26	69	WNW	3	b	30.31	-06	65	55	+5	W	3	b	*	73	50	-	
	Biarritz ...	30.34	58	NE	5	b	30.34	-10	55	53	+3	NW	4	b	2	63	?	-	
	Corunna ...	*	*	*	*	*													
	Lisbon ...	30.15	66	NW	4	bc	30.15	-06	64	61	0	NE	5	b	2	75	59	-	

For Explanation of Columns, see p. 4.

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



# WEATHER

# CHARTS

for 8 a.m. on *Monday, 7<sup>th</sup> May, 1882.*

## 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.

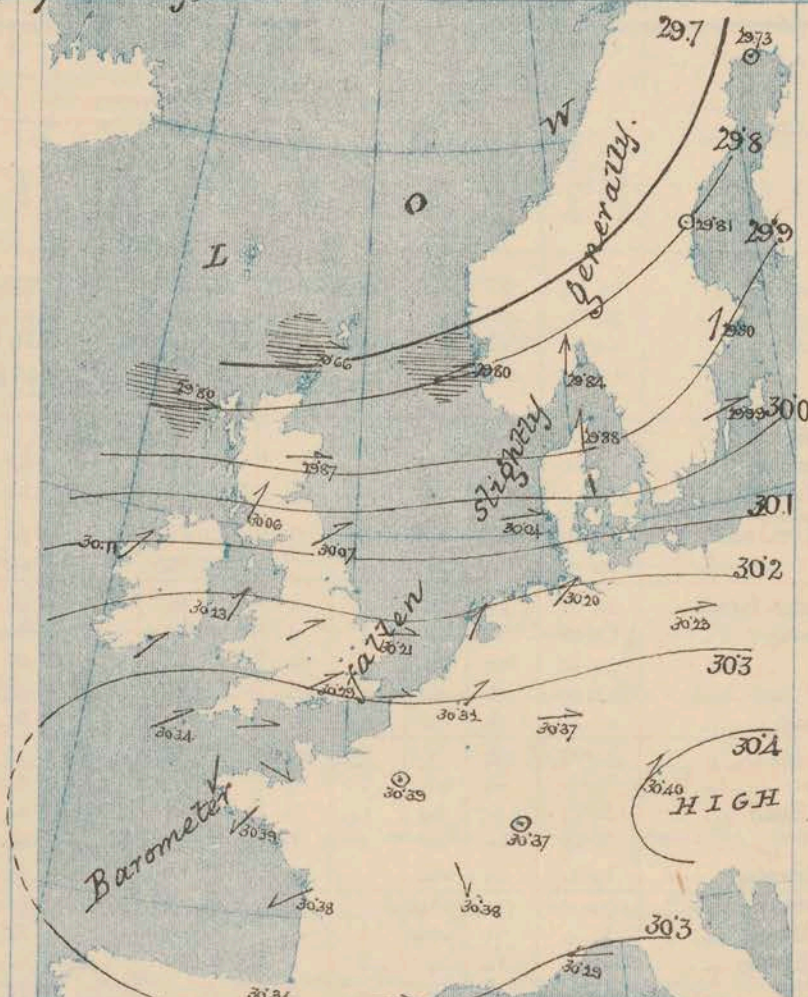
**Sea Disturbance** — where considerable is shown thus.

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	<i>in.</i>
Sumburgh Head	29.878
Stornoway	29.893
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Scilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.985
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



## 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.

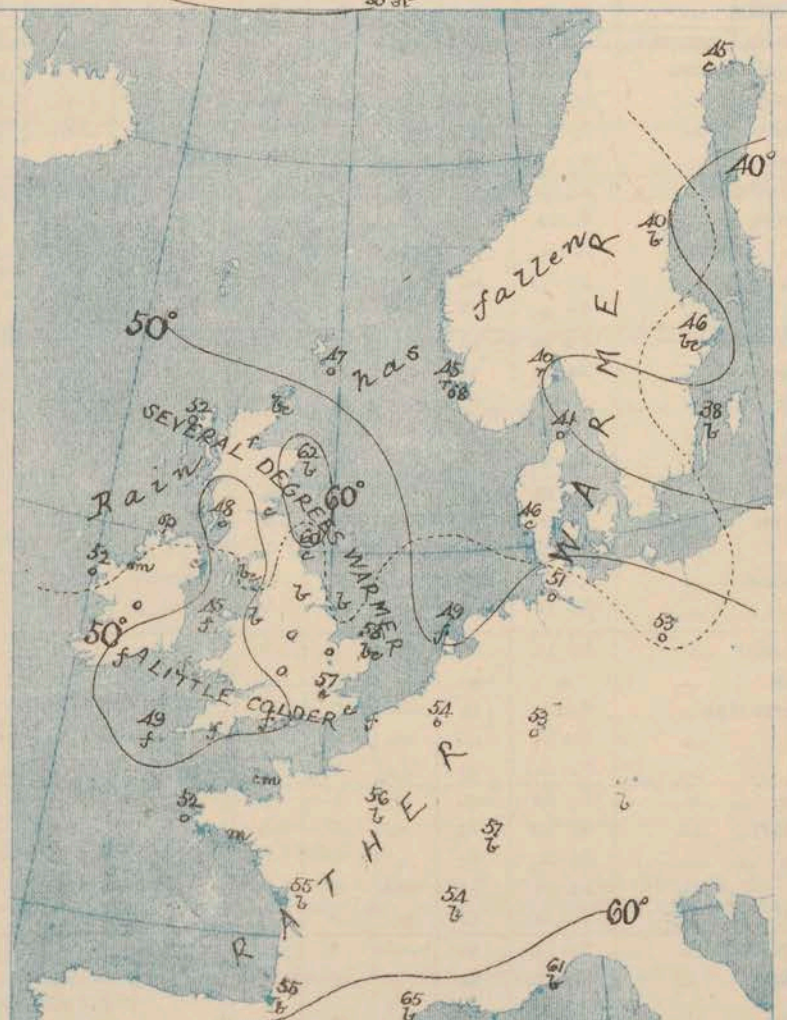
## MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of May

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet.	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	48.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.67
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.6	49.5	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.8	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Scilly	56.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.6	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.40 ins. at Munich, 30.3 ins. and upwards, in a large anticyclone lying over Germany, France, and the Bay of Biscay. Lowest, 29.7 ins. and less, in a large area lying to the northward of our Islands. Gradients moderate over the North Sea and the north of our Islands, but slight elsewhere. Barometer rising in Germany and the south of France, but falling in most other localities.
TEMPERATURE	Highest, 65° at Perpignan, 64° at Liège, 62° at Aberdeen, 61° at Nice, 60° at Shields, and 59° at York. Lowest, 38° at Niš, 40° at Heriö and Århus, 41° at Rye, and 48° at Hafslunda, Skudenare, Helsingfors, and Luleå. During yesterday the thermometer rose to 62° at Shields, 63° at Aberdeen and York, and 64° at Loughborough.
WIND	Light to fresh from W. or S.W. over our Islands, the North Sea and Germany. S. over the Skagerrak; calm in the north of Sweden. Moderate E. or N.E. in the west of France; variable in the eastern and central parts of that country.
WEATHER	Fine in Sweden and France and fair in most other parts of Western Europe. Rain is falling in the south of Norway, and also at Naïm, and fog prevails over the Firth, Bristol, and English Channels. A little rain fell yesterday at the extreme northwestern and northern stations.
SEA	Rather rough off the north of Scotland, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of any decided change in the weather.

## FORECASTS

for the 24 hours ending at NOON on 8<sup>th</sup> May

1888.

### DISTRICTS.


### FORECASTS.


0	SCOTLAND NORTH	W <sup>ly</sup> winds, fresh or strong, dull, rain locally.
1	SCOTLAND EAST	W <sup>ly</sup> winds, moderate; fair generally, but perhaps local showers.
2	ENGLAND N.E.	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----
3	ENGLAND EAST	Same as N°5
4	MIDLAND COUNTIES	Same as N°5.
5	ENGLAND SOUTH	W <sup>ly</sup> and SW winds, light; fair, norm.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	SW <sup>ly</sup> winds, moderate or fresh; cloudy, some showers.
7	ENGLAND N.W.	Same as N°5
8	ENGLAND S.W.	SW <sup>ly</sup> winds, light; fair generally, but local fogs.
9	IRELAND NORTH	Same as N°6
10	IRELAND SOUTH	Same as N°6
WARNINGS		NONE ISSUED

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.00	48	45	W 4	0	4	Holyhead ...	30.22	55	52	SSW 4	60	4
Sumburgh Head							Valencia ...						
Stornoway ...	29.88	51	51	SW 5	7	10	Sailly ...						
Aberdeen ...							Jersey ...	30.43	57	49	SSW 2	60	2
Shields ...							Dungeness ...	30.33	52	48	WSW 5	60	3
Ardrossan ...							London ...						*
Malin Head ...	30.10	50	50	WSW 3	0	3	Yarmouth ...						
Mullaghmore ...							Rocheport ...						
Belmullet ...	30.18	54	53	SW 3	0	*							

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

The reports for yesterday morning showed, that pressure was highest, 30.4 ins. and upwards, in a large anticyclone lying over France and south Germany, and lowest, 29.7 ins. and less, over the northern parts of Norway. An area of relatively low readings 29.9 ins. and less, was however, reported over southeastern Europe. Light or moderate breezes from the SW<sup>nd</sup> or W<sup>nd</sup> prevailed over our islands, the North of France and the North Sea, and S. or SE. breezes over the Baltic and Gulf of Bothnia. Over eastern and southern Europe however, the wind was chiefly NE or N, while over Algeria it was SE. Rain was falling at some of the Scandinavian stations but elsewhere the weather was mostly fair, with however a good deal of fog over the St. George's Channel and the mouth of the English Channel. Temperature had fallen a little in Scandinavia, and also in Austria, Italy and Algeria, but risen elsewhere, readings ranged from 60° and upwards, in Spain, Algeria and the southern parts of France and Italy, to 40° and less, over northern Europe. The highest individual readings were 64° at Oran and Biskra, 66° at Barcelona, San Fernando, Brindisi and Cagliari, and 64° at Lisbon, Faro and Algiers; the lowest were 35° at Christiansund, 36° at Haparanda, 37° at Archangel, Helsingfors and Hangö, 38° at Norrönd, 39° at Kuopio, and 40° at St. Petersburg and Faerder.

In the course of the day a large area of low pressure advanced from the W<sup>nd</sup> to our extreme north coast, and occasioned rain in the north of Scotland, but in other parts of western Europe no important change was observed.

## SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 29<sup>th</sup> APRIL TO THE 5<sup>th</sup> MAY 1888.

During the greater part of last week the weather over Western Europe was squally, changeable and unsettled, with frequent falls of rain over the western and northern parts of the United Kingdom. As the period drew towards its close, however, some improvement was experienced generally.

At the commencement of the week pressure was highest over Germany and Italy but during the remainder of the time a well marked anticyclone was reported over Spain, France and the Bay of Biscay, while relatively high readings were observed over northern Europe. The prevailing winds over our islands have therefore been from points between S. and W. In addition to numerous smaller disturbances, two large and somewhat deep depressions have passed over our coasts.

The first, a V-shaped system appeared off the West of Ireland on the 30<sup>th</sup> April, and subsequently travelled steadily in a north-northeasterly direction, its centre disappearing to the northward of our islands on the night of the 1<sup>st</sup> May. Its progress was attended by moderate S. or SW. gales on our north and south coasts, and strong S. to NW. gales in the west, with heavy rain at some of the Irish stations.

The second, a deeper system, approached the west of Scotland on the 2<sup>nd</sup>. After travelling eastwards to the neighbourhood of the Moray Firth its centre moved away in a north-northeasterly direction, and on the 4<sup>th</sup> it disappeared off the Norwegian coasts. The advance of the system was attended by moderate to fresh S. or SW. gales in nearly all parts of the Kingdom, while in the rear of the disturbance the wind increased to a strong gale from W. over the Irish Sea, and to a fresh gale from NW. in the north and east of Scotland. Rain fell in nearly all parts of the country, but the amounts were not large.

At the close of the week small shallow disturbances were advancing over our islands from the westward and the weather therefore remained in a somewhat unsettled state.

Temperature was rather high over England at first, but it afterwards fell somewhat, and during the remainder of the week the maximum readings were below 60° in all 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 a forecast 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 9 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, 8<sup>th</sup> May 1888.  
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 3.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.68	34	2	0	f	29.58	- .15	33	32	- 12	2	0	c	*	45	30	-	
	Hernösand ...	29.63	36	2	0	o	29.58	- .23	38	37	- 2	2	0	c	*	46	32	-	
	Stockholm ...	29.65	41	2	0	o	29.63	- .27	49	45	+ 3	SW	2	c	*	54	32	-	
	Wisby ...	29.81	41	S	4	f	29.78	- .21	43	42	+ 5	SW	4	c	*	52	34	0.08	
	Bodö ...	29.41	44	SSW	4	o	29.20	- .49	44	41	+ 4	ESW	2	T	1	48	39	-	
	Christiansund...	29.47	46	WSW	9	o	29.36	- .11	45	43	+ 6	? E	4	T	5	46	39	0.16	
	Skudesnaes ...	29.85	44	2	0	o	29.71	- .09	45	44	0	W	2	o	4	45	-	-	
	Christiania Fjord (Ferder)	29.69	48	WSW	6	b	29.60	- .24	44	43	+ 4	SW	4	b	3	48	37	-	
	Skagen (The Seaw)	29.80	43	W	6	b	29.71	- .17	45	45	+ 4	W	6	o	4	50	41	0.24	
	Fanö ...	30.05	46	WSW	5	o	29.95	- .09	47	46	+ 1	WSW	4	T	*	52	45	-	
BRITISH ISLANDS.	Sumburgh Head	29.71	46	W	4	o	29.59	- .07	40	37	- 7	W	6	c	6	51	38	0.08	
	Stornoway ..	29.75	62	SW	5	f	29.88	+ .08	44	43	- 8	NW	6	b	5	55	37	0.05	
	Wick ...	29.77	58	W	3	o	29.80	- .00	45	42	- 13	W	8	b	3	62	39	0.06	
	Nairn ...	29.81	55	WSW	2	f	29.88	+ .04	45	42	- 8	W	3	b	3	57	41	0.05	
	Aberdeen...	29.86	61	WSW	4	c	29.90	+ .03	51	43	- 11	W	4	c	2	70	46	-	
	Leith ...	29.94	60	W	5	o	29.97	- .03	51	46	- 7	W	5	c	*	64	49	0.04	
	Shields ...	30.05	59	SW	3	o	29.99	- .08	54	51	- 6	W	4	c	2	66	52	-	
	Spurn Head ...	30.10	61	SW	3	b	30.08	- .08	52	51	- 3	WNW	3	ogm	2	66	49	-	
	York ...	30.14	61	W	2	b	30.05	- .07	54	52	- 5	W	3	o	*	68	52	-	
	Loughborough	30.18	64	W	4	b	30.15	- .08	58	54	+ 2	WSW	3	c	*	71	52	-	
GERMANY.	Ardrossan ...	30.00	51	SSW	4	og	30.07	+ .01	48	46	0	W	4	b	3	52	46	0.05	
	Malin Head ...	29.96	50	WSW	5	o	30.13	+ .12	46	44	- 6	NW	4	b	3	58	45	0.20	
	Mullaghmore ...	30.07	53	SW	5	om	30.20	+ .10	49	46	- 5	NW	4	c	3	58	46	0.09	
	Belmullet ...	30.08	50	WSW	5	om	30.25	+ .14	49	45	- 3	N	3	o	*	52	48	0.05	
	Donaghadee ...	30.07	62	WNW	4	o	30.15	+ .02	51	48	- 6	NW	4	c	2	66	47	-	
	Barrow-in-Furness	30.14	50	SW	4	b	30.11	- .06	49	49	0	SW	3	o	*	53	47	-	
	Liverpool (Bidston)	30.17	59	WSW	4	b	30.16	- .07	51	50	- 3	WSW	6	o	3	65	51	-	
	Holyhead ...	30.17	47	SSW	4	b	30.18	- .05	48	48	+ 3	SW	4	c	4	52	45	-	
	Parsonstown ...	30.16	59	SW	2	c	30.23	+ .04	53	51	- 1	W	0	o	*	66	51	-	
	Valencia ...	30.24	52	SW	2	om	30.28	+ .04	53	52	- 1	W	2	o	2	60	50	0.04	
FRANCE & NETHERLANDS.	Roche's Point...	30.21	51	SW	4	c	30.23	- .03	54	52	+ 5	W	2	c	3	54	47	-	
	Pembroke ...	30.26	47	SSW	2	f	30.25	- .05	46	46	+ 1	WSW	2	f	2	48	44	0.01	
	Scilly ...	30.31	52	WSW	4	o	30.28	- .06	50	50	+ 1	WNW	3	f	4	54	47	0.01	
	Prawle Point ...	30.30	50	W	2	b	30.29	- .06	52	52	+ 2	W	3	f	2	53	42	0.01	
	Jersey ...	30.34	58	NW	3	b	30.32	- .07	48	47	- 5	NW	3	o	3	60	44	-	
	Hurst Castle ...	30.30	50	WSW	3	m	30.27	- .06	50	49	+ 3	WSW	1	om	1	53	?	-	
	Dungeness ...	30.27	51	WSW	4	b	30.23	- .07	46	46	0	WSW	4	f	3	53	44	-	
	London ...	30.23	64	WSW	1	b	30.21	- .08	57	53	0	WSW	2	c	*	69	50	-	
	Oxford ...	30.25	53	SW	4	b	30.22	- .07	53	51	+ 1	WSW	3	c	*	66	50	-	
	Cambridge ...	30.17	65	SW	1	b	30.19	- .07	57	54	0	WSW	1	b	*	72	47	-	
PENIN- SULA.	Yarmouth ...	30.16	68	W	2	b	30.14	- .07	57	54	- 1	W	4	b	2	70	48	-	
	Cuxhaven ...	30.19	50	W	3	b	30.12	- .08	52	51	+ 1	WSW	3	m	*	57	49	-	
	Berlin ...	30.17	60	WNW	3	o	30.15	- .08	58	54	+ 5	NW	4	o	*	61	52	-	
	Wiesbaden ...	*	*	*	*	*	30.27	- .10	58	53	+ 2	W	1	b	*	66	46	-	
	Munich ...	30.34	57	2	0	b	30.32	- .08	56	51	+ 3	SE	2	b	*	64	41	-	
	The Helder ...	30.19	50	SW	3	b	30.12	- .10	50	49	+ 1	SW	3	b	3	57	48	-	
	Brussels ...	*	*	*	*	*	30.25	- .07	54	52	0	WSW	3	b	*	66	50	-	
	Cape Gris Nez...	30.29	50	SW	5	b	30.24	- .07	45	45	- 1	W	5	f	4	54	45	-	
	Paris ...	30.32	64	N	1	b	30.30	- .09	55	53	- 1	N	1	b	+	67	45	-	
	Brest ...	?	55	N	4	o	30.31	- .08	48	47	- 4	N	4	m	3	59	45	-	
GERMANY.	Lorient ...	30.32	59	W	3	b	30.29	- .10	50	49	+ 1	E	3	b	2	64	46	-	
	Rochefort ...	30.30	64	WNW	4	b	30.27	- .11	58	58	+ 3	NE	5	b	2	75	50	-	
	Belfort ...	30.28	73	E	1	b	30.35	- .02	62	58	+ 5	E	1	b	*	75	38	-	
	Lyons ...	30.27	67	E	1	b	30.29	- .09	59	53	+ 5	SSW	1	b	*	71	49	-	
	Nica ...	30.24	65	WSW	1	b	30.21	- .08	67	54	+ 6	E	3	b	2	70	57	-	
	Perpignan ...	30.26	64	NE	3	b	30.29	- .02	53	53	- 12	NE	3	f	*	72	42	-	
	Biarritz ...	30.18	63	NE	4	b	30.17	- .17	64	57	+ 9	SSW	4	b	1	64	55	-	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	
	Lisbon ...	30.08	69	N	5	b	30.10	- .05	63	60	- 1	NE	4	b	2	79	64	-	



# WEATHER CHARTS

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

1885.

## 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.

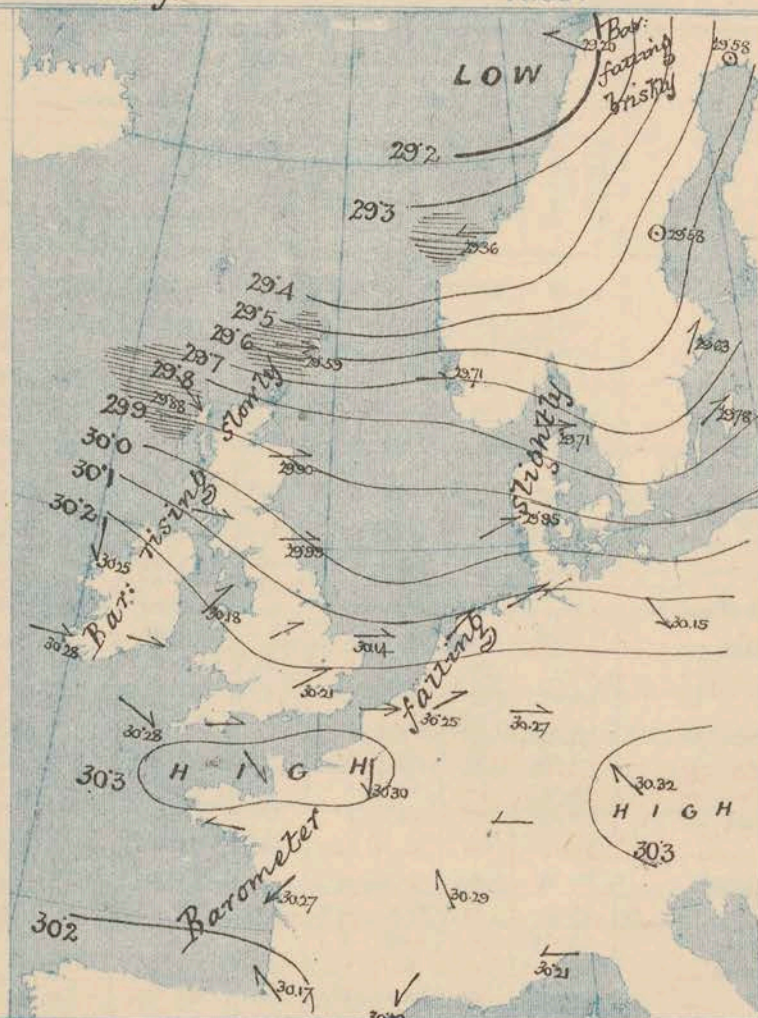
**Sea Disturbance** — where considerable is shown thus.

— — Rough — — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.878
Stornoway	29.898
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Scilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.998
Cambridge	29.989
Yarmouth	29.980



## 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.

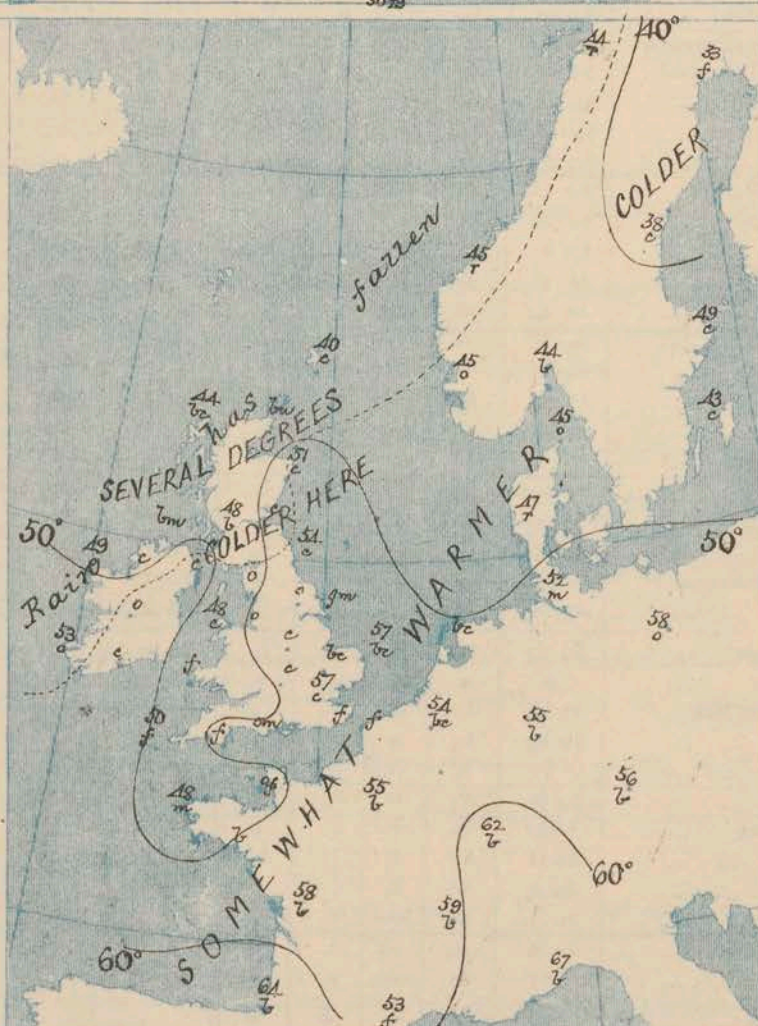
## MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of May.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max	Daily Min	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	43.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.67
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.6	49.5	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Scilly	56.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.5	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.82
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.3 in. and upwards, in a narrow band lying over the French side of the Channel, and also in a small area lying over South Germany.  
 Lowest, 29.2 in. and less, in a depression lying off the northwest of Norway.  
 Gradients rather steep in the far north, but slight in the south.  
 Barometer falling at all but the Irish and Scotch stations, — most in Scandinavia.

## TEMPERATURE

Highest, 67° at Kiel, 64° at Biarritz, 63° at Lisbon, 62° at Belfort, 59° at Lyons, and 58° at Loughborough, Berlin and Rostock.  
 Lowest, 33° at Haparanda, 38° at Helsingfors, 39° at Stockholm, 40° at Lumburgh Head, 43° at Murby, and 44° at Rode, Tander, and Storoway.  
 During yesterday the thermometer rose to 70° at Aberdeen and Yarmouth, 71° at Loughborough and 72° at Cambridge.

## WIND

NW<sup>ly</sup> on our extreme northwest coasts, but W<sup>ly</sup> or SW<sup>ly</sup> over the East and south of our Islands and the greater part of the North Sea.  
 NE or E in the west and south of France and also in the north of Norway.  
 Light or moderate in force generally, but strong to a gale in the north of Scotland.

## WEATHER

Fine over Germany, France and the Netherlands, and fair over the greater part of our Islands.  
 Fog still prevails, however, over the Bristol and English Channels and showers are falling at Havre.  
 Drizzle on the Eastern shores of the North Sea, with rain at Christiansund and Feroë.

## SEA

Rough at Lumburgh Head, and rather rough at Christiansund and Storoway, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north seems likely to move in an easterly, or a southeasterly direction, and the wind on our northern coasts will probably veer to the NW<sup>ly</sup>. The latter change is likely to occasion a somewhat decided fall of temperature over England.

## FORECASTS

For the 24 hours ending at NOON on 9<sup>th</sup> May

1883.

### DISTRICTS.

### FORECASTS.

10	SCOTLAND NORTH	W <sup>ly</sup> to NW <sup>ly</sup> winds, strong, a gale in places; squally, some showers.
11	SCOTLAND EAST	-----D°-----D°-----D°-----
2	ENGLAND N.E.	W <sup>ly</sup> winds, freshening; fair generally, but local showers.
3	ENGLAND EAST	Same as No 5.
4	MIDLAND COUNTIES	Same as No 5.
5	ENGLAND SOUTH	W <sup>ly</sup> winds, moderate; fair generally, but possibly local thundershowers, becoming cooler.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	W <sup>ly</sup> and NW <sup>ly</sup> winds, moderate to strong; fair to showery.
7	ENGLAND N.W.	Same as No 2.
8	ENGLAND S.W.	W <sup>ly</sup> and NW <sup>ly</sup> winds, light; fair generally, but local fogs.
9	IRELAND NORTH	NW <sup>ly</sup> winds, fresh; unsettled, some showers.
10	IRELAND SOUTH	Same as No 8.
WARNINGS		The south cone was hoisted last evening in districts 6 and part of 1.

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.90	45	44	W SW 2	0	4	Holyhead ...	30.21	51	49	SSW 4	cm	3
Snmburgh Head	29.73	49	48	W 4	c	5	Valencia ..	30.25	59	56	W SW 2	cm	2
Stornoway ...	29.80	54	53	W 6	bc	5	Scilly ...	30.35	54	52	W SW 3	of	4
Aberdeen ...	29.29	66	58	W SW 4	e	2	Jersey ...	30.38	59	52	W 3	bc	3
Shields ...	30.06	63	59	W SW 3	0	2	Dungeness ...	30.29	50	48	W SW 4	f	3
Ardrossan ...	30.06	50	50	SSW 2	0	2	London ...	30.27	69	63	SW 3	e	*
Malin Head ...	30.02	54	53	SW 3	0	3	Yarmouth ...	30.20	69	59	W 3	bc	2
Mullaghmore ...	30.10	55	53	SW 5	cm	3	Rochefort ...	30.36	69	64	W 3	b	2
Belmullet ...	30.11	51	51	W SW 6	0	*							

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

The reports for yesterday morning showed that pressure was giving way somewhat over Russia and Northern Europe, and that readings varied from between 30.3 in: and 30.4 in: over South Germany, France, and the Bay of Biscay to 29.5 in: off the coast of Norway, towards which region a depression was advancing eastwards from the Atlantic. W<sup>ly</sup> and SW<sup>ly</sup> winds prevailed over the British Isles and North Sea, accompanied by fine weather at the southern stations, fog in the southwest, and some showers in the north. SW<sup>ly</sup> to SE<sup>ly</sup> breezes over Scandinavia, variable air in France and Germany, with fine weather, and NE<sup>ly</sup> breezes over the Bay of Biscay. Temperature varied from between 60° and 68° over the Mediterranean to between 50° and 60° in many parts of the British Islands, and to between 35° and 40° over Northern Europe. The highest individual values were 66° at Oran (Algeria), 65° at Perpignan, 64° at Agde, Lisbon and Bilbao, 63° at Brindisi and San Fernando, 62° at Aberdeen, 61° at Kiel and Languis, 59° at York, 58° at Yarmouth, and 57° in London and at Donaghadee; the lowest were 33° at Hango, 35° at Helsinki, 36° at Archangel, 38° at Wiby, 40° at Bodø and Hurnsund, 42° at Memel, 45° at Holyhead and Pembroke, 46° at Dungeness and New Fohwasser and 49° at Scilly.

Later in the day the thermometer rose to 70° and more in many parts of Great Britain, as well as in the west and south of France but showers fell on our northwest coast, as the depression in the far north moved eastwards.

### 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> May 1888.  
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.			BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 5.)		SHADE TEMP.		
			Dir.	Force, (0 to 12.)	Weather.	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.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.41	35	SE	2	r	29.22	- .36	38	37	+ .5	NE	4	r	*	39	28	0.12
	Hernösand ...	29.19	35	NE	2	r	29.02	- .56	36	35	- .2	N	4	r	*	45	30	0.55
	Stockholm ...	29.35	49	WSW	4	c	29.26	- .37	43	37	- .6	WSW	6	b	*	59	39	-
	Wisby ...	29.57	47	WSW	6	b	29.50	- .38	39	36	- .4	W	4	b	*	55	39	0.12
	Bodö ...	29.27	39	WSW	4	r	29.40	+ .20	41	39	- .3	NNE	4	c	2	45	37	0.35
	Christiansund...	29.26	38	SSW	6	r	29.66	+ .30	41	39	- .4	N	6	r	4	46	37	0.28
	Skudesnaes ...	29.71	40	WNW	8	o	29.34	+ .13	43	41	- .2	WNW	8	c	5	46	39	-
	Christiania Fjord (Færder)	29.49	44	WSW	8	b	29.48	- .12	48	41	+ .4	WNW	6	b	4	7	41	-
	Skagen (The Scaw)	29.68	41	WNW	7	b	29.59	- .12	43	39	- .2	WNW	8	bc	5	50	37	-
	Fanö ...	29.98	42	NW	5	b	29.99	+ .01	44	40	- .3	NW	6	c	*	50	41	0.04
BRITISH ISLANDS.	Sumburgh Head	29.71	40	NW	7	o	30.07	+ .48	40	37	0	WNW	3	cp	5	46	35	0.16
	Stornoway ...	30.08	40	NW	5	ohp	30.27	+ .39	43	42	- .1	NW	4	bc	3	46	35	0.08
	Wick ...	29.98	38	NW	6	bc	30.21	+ .41	46	43	+ .1	W	5	c	3	48	35	0.05
	Nairn ...	30.08	44	WNW	5	c	30.28	+ .37	43	39	- .2	W	2	bc	1	46	36	0.04
	Aberdeen...	30.05	46	NW	7	bc	30.24	+ .34	43	38	- .8	NW	4	c	2	55	37	-
	Leith ...	30.15	47	W	5	b	30.30	+ .33	48	39	- .3	W	3	b	*	56	37	-
	Shields ...	30.12	55	W	4	b	30.29	+ .30	46	41	- .8	WNW	3	b	2	59	36	-
	Spurn Head ...	30.14	53	W	4	b	30.30	+ .22	46	41	- .6	WNW	4	b	2	50	41	-
	York ...	30.18	58	NW	2	b	30.33	+ .38	45	40	- .9	N	2	b	*	62	46	-
	Loughborough	30.23	56	WNW	3	bc	30.36	+ .21	48	42	- .10	NW	3	bc	*	63	37	-
GERMANY.	Ardrossan ...	30.20	48	WNW	5	b	30.33	+ .26	48	45	0	W	3	b	2	52	38	0.01
	Malin Head ...	30.28	46	WNW	4	bm	30.37	+ .24	45	42	- .1	WNW	1	bc	3	49	40	0.01
	Mullaghmore ...	30.30	49	WNW	4	b	30.40	+ .20	49	44	0	Z	0	cm	2	53	37	-
	Belmullet ...	30.37	50	NE	3	bc	30.39	+ .14	46	41	- .3	S	3	o	*	51	39	-
	Donaghadee ...	30.29	48	NNE	3	bc	30.39	+ .24	48	43	- .3	NW	3	c	1	57	44	-
	Barrow-in-Furness	30.23	50	NW	4	b	30.34	+ .33	45	40	- .4	NW	5	b	*	53	41	-
	Liverpool (Bidston)	30.28	51	NW	2	b	30.38	+ .22	46	40	- .5	WNW	3	bc	3	56	42	-
	Holyhead ...	30.28	51	WNW	1	b	30.40	+ .22	47	43	- .1	N	1	c	1	59	43	-
	Parsonstown ...	30.31	55	Z	0	c	30.40	+ .17	45	41	- .8	Z	0	o	*	58	30	-
	Valencia ...	30.32	58	WNW	1	bc	30.33	+ .05	65	50	+ .2	SE	1	o	2	60	51	0.04
FRANCE & NETHERLANDS.	Roche's Point...	30.28	55	SSW	2	c	30.34	+ .11	48	45	- .6	ESE	5	cm	4	57	46	0.01
	Pembroke ...	30.29	47	WNW	2	bc	30.37	+ .12	48	46	+ .2	ENE	2	og	1	51	45	-
	Scilly ...	30.31	50	NW	2	f	30.32	+ .04	50	49	0	NE	2	f	3	54	45	0.01
	Prawle Point ...	30.27	47	WNW	3	b	30.37	+ .08	51	49	- .1	NE	4	bc	2	59	46	-
	Jersey ...	30.29	55	WNW	3	b	30.32	+ .00	50	51	+ .8	NE	3	bm	3	58	46	-
	Hurst Castle ...	30.24	52	WSW	3	bc	30.32	+ .05	50	47	0	NE	2	b	1	54	?	-
	Dungeness ...	30.19	48	W	4	m	30.30	+ .07	51	44	+ .5	NE	3	b	2	55	46	-
	London ...	30.21	64	W	2	o	30.34	+ .13	49	42	- .8	N	2	bm	*	70	45	-
	Oxford ...	30.27	55	WNW	3	bc	30.37	+ .15	48	42	- .5	N	2	b	*	66	39	-
	Cambridge ...	30.17	60	N	1	c	30.35	+ .16	49	43	- .8	N	1	b	*	67	36	-
PENIN- SULA.	Yarmouth ...	30.14	61	NW	3	c	30.30	+ .16	47	42	- .10	WNW	3	b	2	65	40	-
	Cuxhaven ...	30.08	48	W	3	r	30.12	+ .00	48	47	- .4	WNW	5	b	*	59	45	0.08
	Berlin ...	30.01	63	W	3	bc	30.09	- .06	51	45	- .7	NW	5	bc	*	68	50	-
	Wiesbaden ...	*	*	*	*	*	30.21	- .06	60	56	+ .5	NW	1	o	*	73	50	-
	Munich ...	30.21	60	NW	1	b	30.21	- .11	58	54	+ .2	SW	2	bc	*	72	50	0.04
	The Helder ...	30.16	48	WNW	1	c	30.23	+ .11	45	42	- .5	NW	3	b	3	52	45	-
	Brussels ...	*	*	*	*	*	30.26	+ .01	52	47	- .2	WNW	1	b	*	66	51	-
	Cape Gris Nez...	30.25	47	SE	4	f	30.29	+ .05	47	45	+ .2	NNE	4	bc	3	50	45	-
	Paris ...	30.22	69	NW	3	b	30.27	- .03	51	50	- .4	N	3	o	*	74	46	-
	Brest ...	30.28	56	N	4	b	30.26	- .05	50	49	+ .2	N	4	b	2	59	45	-



# WEATHER CHARTS

for 8 a.m. on

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

1888.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

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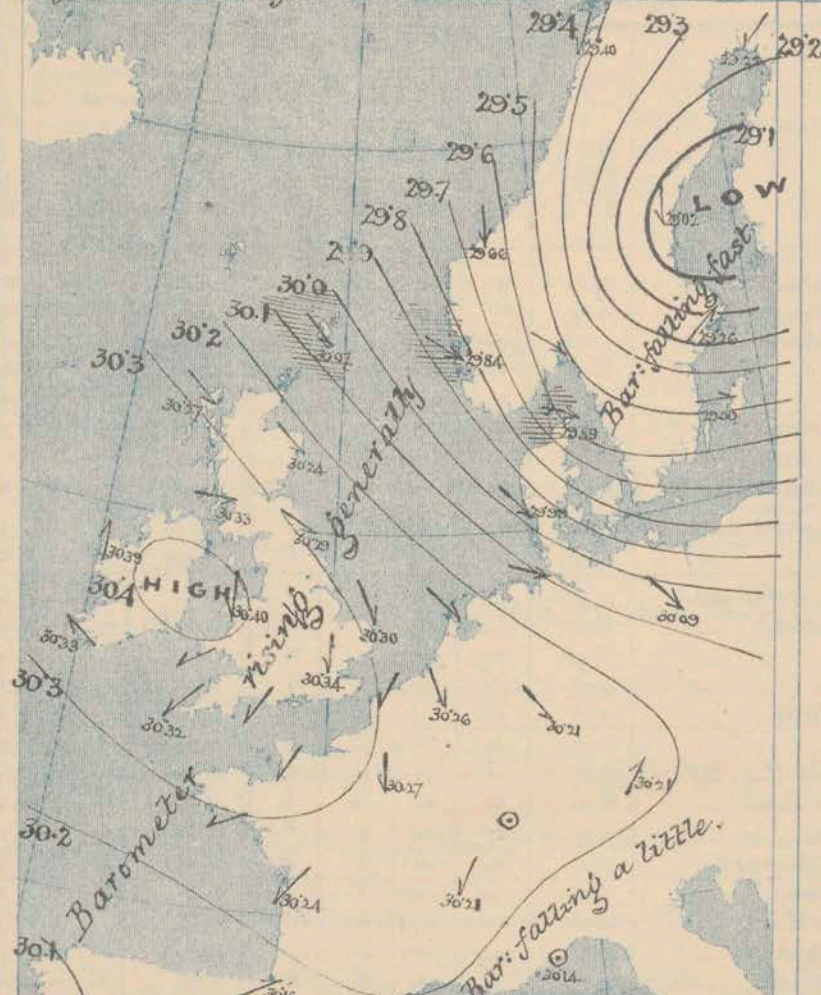
— Rough — High.

## MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871 — 1885.

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head.	29.878
Stornoway.	29.893
Wick.	29.906
Nairn.	29.918
Aberdeen.	29.922
Leith.	29.942
Shields.	29.955
York.	29.974
Loughborough.	29.984
Ardrossan.	29.949
Donaghadee.	29.959
Holyhead.	29.971
Liverpool.	29.974
Parsonstown.	29.976
Valencia.	29.984
Roche's Point.	29.979
Pembroke.	29.977
Scilly.	29.997
Jersey.	30.002
Hurst Castle.	29.994
Dover.	29.985
LONDON.	29.995
Oxford.	29.993
Cambridge.	29.989
Yarmouth.	29.980



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

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

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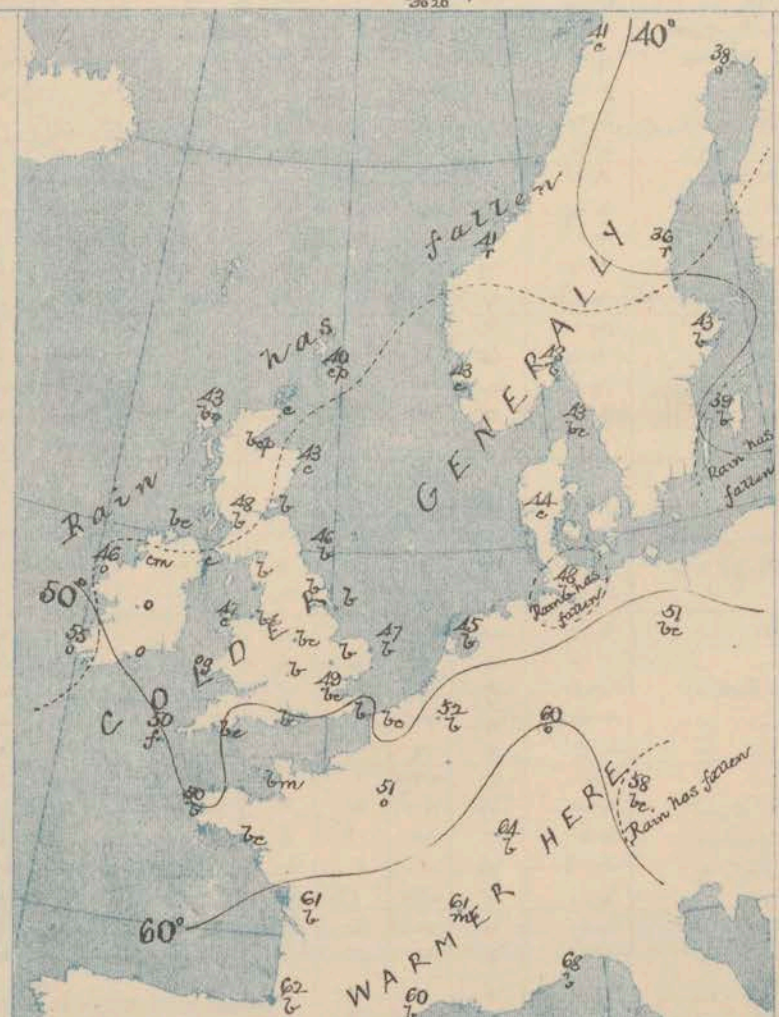
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.  
for the month of May.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	48.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.67
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.6	49.5	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Scilly	56.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.6	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.3 ins. to 30.4 ins. over Ireland, England and the southwest of Scotland. Lowest 29.0 ins. in a depression over the Gulf of Bothnia — 30.1 ins. at Lisbon. Gradients, slight over our Islands, France and Germany, steep over Scandinavia. Barometer rising over the British Islands, North Sea and France, falling over northern Europe.
TEMPERATURE	Highest 68° at Nice, 65° at Lisbon, 54° at Belfast, 62° at Biarritz, 61° at Lyons and Rochefort, 60° at Wiesbaden. Lowest 36° at Hornsund, 38° at Naparanda, 40° at Lumburgh Head, 41° at Bodø and Christiansund, 43° at Naime, and 45° at Parsonstown. Frost occurred during the night in the shade at Parsonstown, and on the grass at Loughborough. In London the max. temperature in the shade yesterday was 40°.
WIND	Strong to a gale from between W.N.W. and N on the eastern shores of the North Sea. N.W. moderate to fresh, on our North and East coasts — N.E. slight, in the South. S.E. in the South of Ireland — S. at Belmullet. The gale felt in Scotland yesterday has subsided.
WEATHER	Rather showery in Scotland. Fine and bright over England, France and Germany. Foggy on our southwestern coasts. Dull and gloomy in Ireland. Snow and hail showers fell yesterday in the North of Scotland, and some rain on the eastern shores of the North Sea.
SEA	Rather rough in the far North, slight or smooth elsewhere.



## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is at present no indication of any important changes.

## FORECASTS

for the 24 hours ending at NOON on 10<sup>th</sup> May 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	NW <sup>2</sup> to N <sup>2</sup> winds; fine, dry, becoming milder.	6 { SCOTLAND WEST	NW <sup>2</sup> breezes, moderate; fine.
1 { SCOTLAND EAST	.....D.....D.....D.....	7 { ENGLAND N. W.	.....D.....D.....D.....
2 { ENGLAND N. E.	Same as N° 4.	8 { ENGLAND S. W.	Same as N° 5.
3 { ENGLAND EAST	Same as N° 5.	9 { IRELAND NORTH	Varying light breezes, fine, hazy, dry.
4 { MIDLAND COUNTIES	NW <sup>2</sup> and N <sup>2</sup> winds, light, fine, cold at night, some fog.	10 { IRELAND SOUTH	.....D.....D.....D.....
5 { ENGLAND SOUTH	N <sup>2</sup> or NE <sup>2</sup> breezes, moderate and light; fine, dry.	WARNINGS	NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.71	46	41	W	7	c	4	Holyhead ...	30.26	55	50	WNW	1	bc	2
Sumburgh Head ...	29.65	43	40	NW	6	c	6	Valencia ...	30.32	60	56	W	2	bcw	2
Stornoway ...	30.01	44	44	NW	6	hp	5	Scilly ...	30.31	53	52	WNW	2	cf	3
Aberdeen ...	30.07	55	45	NW	7	bcg	3	Jersey ...	30.31	57	53	WNW	3	f	3
Shields ...	30.07	58	50	W	4	c	2	Dungeness ...	30.20	52	49	W	4	f	3
Ardrossan ...	30.16	50	45	WNW	4	b	3	London ...	30.24	68	62	W	4	c	*
Malin Head ...	30.23	46	42	NW	4	o	4	Yarmouth ...	30.13	64	57	WNW	4	bc	2
Mullaghmore ...	30.30	52	48	WNW	4	bc	3	Rochefort ...	30.26	74	68	NW	4	b	2
Belmullet ...	30.30	50	45	WNW	3	c	*								

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

The reports for yesterday morning showed that pressure was highest, 30.3 ins. and upwards, in two small anticyclonic systems lying respectively over the North of France and South Germany, but high, 30.3 ins. and upwards over the whole of central and southern Europe.

The lowest readings, 29.2 ins. and less, were found in a depression lying off the northwest of Norway. The wind was strong from the NW<sup>wd</sup> in the extreme north and northwest of our Islands, light to fresh from W. on our East and South coasts, and moderate from SW. over Scandinavia, Denmark and northern Russia. Over southern Europe, however, it was chiefly E.<sup>ly</sup> (NE. to SE), while in Austria it was light and variable.

The weather was fair generally, but rain was falling on the west coasts of Norway and Denmark, and fog continued over the Bristol and English Channels. Temperature had fallen several degrees in the north of our Islands, and slightly over Russia, and the northern parts of Sweden and France; readings ranged from 65° and upwards, over Algeria and southern Europe, to 40° or less in the northern parts of Sweden and Russia.

The highest individual readings were 77° at Bilbao, 72° at Oporto, 70° at Barcelona, 68° at Croisette and Lausanne, 66° at Trieste, Toulon, Nice and Cagliari, and 65° at Cap Bearn and Biskra; the lowest were 33° at Haparanda and Archangel, 34° at Uleaborg, 36° at Helsingfors and Hangö, 38° at Helsingfors and Kuopio, 39° at St. Petersburg, and 40° at Sumburgh Head.

In the course of the day the depression off the northwest of Norway extended somewhat in an easterly direction. A further increase of wind from NW. took place on our extreme North coasts, with snow and hail showers, but over the south of our Islands moderate W.<sup>ly</sup> breezes continued, with fine warm 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 Thursday, 10<sup>th</sup> May 1883.  
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 ..	29.15	35	N	2	r	29.12	-10	26	36	-2	2	0	5	*	39	34	0.67
	Hernösand ...	29.32	42	NNW	8	c	29.49	+17	41	34	+8	NNW	8	6	*	45	32	0.12
	Stockholm ...	29.49	45	NNW	4	0	29.66	+17	40	33	-3	NW	4	6	*	54	39	0.04
	Wisby ...													*				
	Bodö ...	29.60	38	NNW	6	b	29.69	+9	37	34	-4	NNW	6	6	3	44	36	-
	Christiansund...	29.98	40	NNW	7	s	30.03	+5	35	34	-6	NNW	6	5	5	41	?	0.16
	Skudesnaes ...	30.08	41	NW	7	b	30.20	+12	41	37	-2	NW	8	6	5	45	41	-
	Christiania Fjord (Færd)	29.81	47	NNW	5	b	29.96	+15	43	36	-5	NNW	4	6	2	50	41	-
	Skagen (The Scaw)	29.80	46	N	2	c	29.98	+18	43	39	0	N	2	6	2	52	36	-
	Fanö ...	30.06	41	NW	6	b	30.12	+6	43	40	-1	NW	6	6	*	48	39	-
BRITISH ISLANDS.	Sumburgh Head	30.28	41	NNW	3	0	30.32	+4	42	40	+2	NW	2	6	3	47	34	0.04
	Stornoway ...	30.37	44	20	0	c	30.41	+4	46	45	+3	E	3	6	3	49	32	-
	Wick ...	30.35	45	N	4	bc	30.41	+6	46	43	0	N	3	6	2	50	31	-
	Nairn ...	30.34	45	NNE	1	0	30.41	+7	45	41	+2	NNE	1	6	1	52	37	0.03
	Aberdeen...	30.33	48	N	3	bc	30.40	+7	46	41	+3	N	3	6	2	53	36	-
	Leith ...	30.35	52	SE	1	bc	30.42	+7	48	46	0	E	3	6	*	56	38	-
	Shields ...	30.34	46	E	1	b	30.41	+7	46	43	0	NE	2	6	2	50	35	-
	Spurn Head ...	30.36	46	ESE	2	b	30.39	+3	46	41	0	NW	2	6	2	50	40	-
	York ...	30.35	52	E	1	c	30.40	+5	47	40	+2	SSE	1	6	*	57	36	-
	Loughborough	30.33	55	NNW	1	0	30.39	+6	45	42	-3	SSE	1	0	*	61	37	-
GERMANY.	Ardrossan ...	30.35	50	NNW	3	b	30.39	+4	49	45	+1	20	0	6	0	52	34	-
	Malin Head ...	30.37	45	E	3	0	30.39	+2	47	44	+2	NE	2	6	1	49	42	-
	Mullaghmore ...						30.37	-03	46	43	-3	E	3	0	2	50	43	0.20
	Belmullet ...	30.35	47	ESE	3	0	30.35	-04	47	45	+1	E	3	0	*	48	45	0.15
	Donaghadee ...	30.41	46	SSW	2	bc	30.39	-02	47	45	-1	E	2	6	1	51	44	-
	Barrow-in-Furness	30.36	50	NNW	4	b	30.37	+1	46	42	+1	NE	3	6	*	52	38	-
	Liverpool (Bidston)	30.40	47	NNW	1	c	30.37	-03	48	42	+2	SE	2	6	2	51	40	-
	Holyhead ...	30.39	46	NNW	2	c	30.34	-05	47	44	0	20	0	6	0	50	42	0.01
	Parsonstown ...	30.36	47	20	0	r	30.35	-05	45	43	0	20	0	0	*	53	42	0.20
	Valencia ...	30.32	52	SE	2	om	30.30	-02	52	50	-3	N	1	0	1	55	48	0.49
FRANCE & NETHERLANDS.	Roche's Point...	30.35	46	ESE	4	r	30.31	-04	45	44	-3	ESE	5	7	4	49	34	0.16
	Pembroke ...	30.36	48	N	2	0	30.31	-05	45	45	-3	SE	3	7	2	53	44	0.16
	Scilly ...	30.32	56	ESE	3	bc	30.28	-04	51	48	+1	ESE	3	0	3	56	48	-
	Prawle Point ...	30.36	49	SW	2	0	30.34	-02	48	45	-3	ESE	2	0	1	54	43	-
	Jersey ...	30.32	57	ESE	3	b	30.33	+1	51	44	-5	E	4	6	3	61	45	-
	Hurst, Castle ...	30.34	53	SW	3	b	30.38	+4	49	46	-1	ESE	3	0	1	56	?	-
	Dungeness ...	30.34	48	SE	4	bc	30.37	+3	47	43	-4	E	3	0	3	56	38	-
	London ...	30.35	52	E	3	bc	30.39	+4	48	40	-1	NE	1	0	*	59	41	-
	Oxford ...	30.36	50	N	1	bc	30.41	+5	48	40	-5	SE	1	7	*	58	43	0.01
	Cambridge ...	30.34	55	E	1	0	30.40	+5	48	42	-1	20	0	0	*	60	36	-
GERMANY.	Yarmouth ...	30.35	48	NNE	2	bc	30.37	+2	48	42	+1	NNE	2	6	2	50	37	-
	Cuxhaven ...	30.20	44	NNW	6	0	30.22	+2	43	41	-5	NNW	6	0	*	48	42	-
	Berlin ...	30.11	48	NW	5	b	30.16	+5	42	39	-9	NNW	5	0	*	61	39	-
	Wiesbaden ...	*	*	*	*	*	30.32	+11	46	39	-14	N	4	0	*	66	39	-
	Munich ...	30.14	56	SW	2	0	30.24	+10	47	43	-11	NE	2	0	*	68	45	0.16
	The Helder ...	30.32	43	NNW	3	b	30.34	+2	44	40	-1	NNW	3	0	2	46	43	-
	Brussels ...	*	*	*	*	*	30.37	+11	43	39	-9	NNE	1	6	*	58	39	-
	Cape Gris Nez...	30.38	45	E	5	b	30.36	+2	44	43	-3	ESE	3	6	1	54	39	-
	Paris ...	30.25	62	N	5	b	30.34	+9	44	39	-7	NE	5	6	*	68	36	-
	Brest ...	30.26	63	E	7	b	30.25	-01	48	44	-2	E	4	6	3	79	43	-
FRANCE & NETHERLANDS.	Lorient ...	30.24	60	NNE	5	b	30.25	-01	48	44	-4	E	5	6	2	72	46	-
	Rochefort ...	30.19	67	NW	4	b	30.21	-03	57	53	-4	ESE	5	6	2	77	50	-
	Belfort ...	30.12	74	W	1	b	30.20	+8	50	46	-14	W	4	6	*	75	36	-
	Lyons ...	30.10	72	N	1	b	30.17	+7	54	48	-7	N	3	6	*	78	53	-
	Nice ...	30.07	64	SSW	1	bc	30.05	-02	58	?	-10	20	0	0	0	73	54	-
	Perpignan ...	30.09	68	NE	3	c	30.10	+1	65	59	+5	N	3	6	*	75	52	-
	Biarritz ...	30.11	70	NNW	4	b	30.12	+1	63	58	+1	NNW	4	6	0	78	59	-
	Corunna ...	*	*	*	*	*												
	Lisbon ...	30.11	66	W	4	0	30.08	-03	66	62	+1	NNW	3	6	2	72	61	0.08
	PENIN- SULA.																	



# WEATHER

# CHARTS

for 8 a.m. on

Thursday, 10<sup>th</sup> May,

## 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

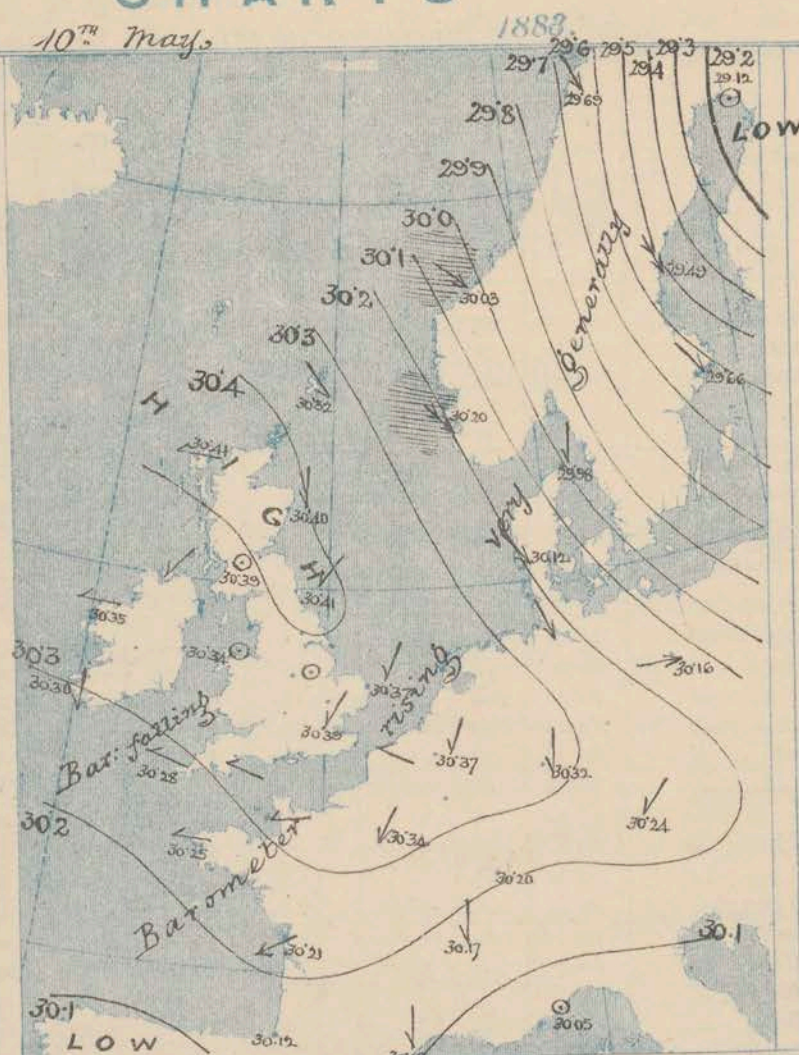
at 8 a.m. for the month of May

During the 15 Years 1871—1885.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.878
Stornoway	29.893
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Scilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



## 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.

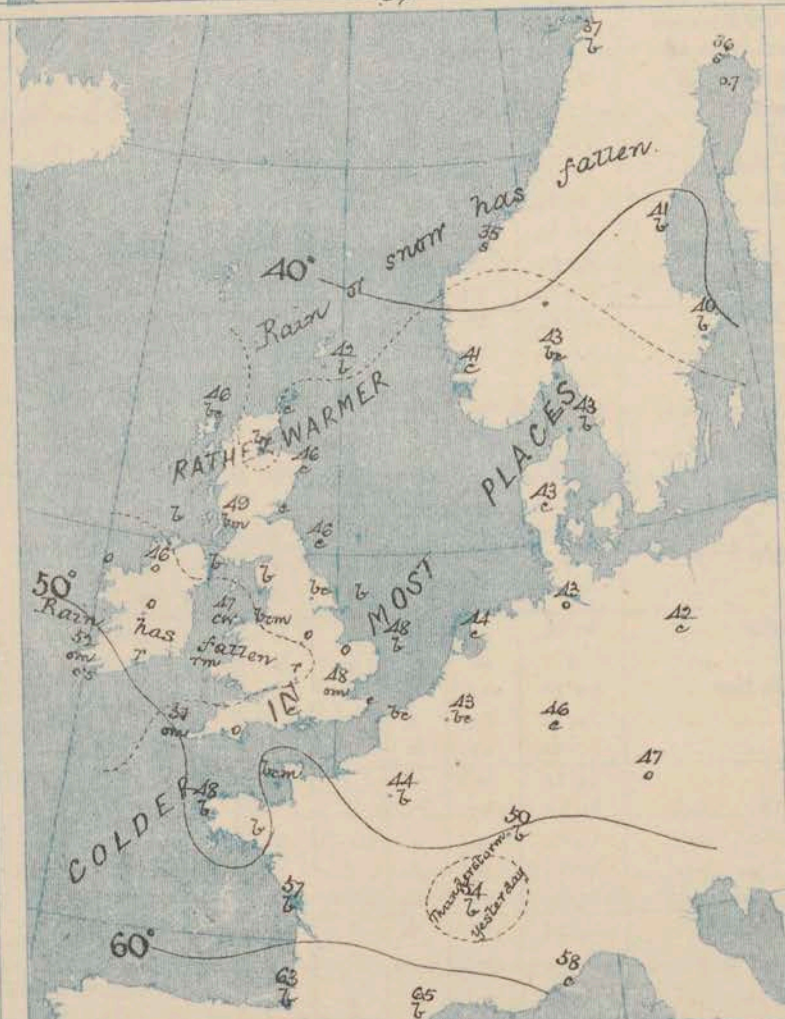
## MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of May.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	43.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.67
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.85
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.6	49.5	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.6	43.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Scilly	56.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.5	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	40.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.8	48.1	1.76
Yarmouth	55.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	{ Highest, 30.4 ins. and upwards, in an anticyclone lying over Scotland and the north of England. Lowest, 29.2 ins. and less, in a deep depression lying over the Gulf of Bothnia. Gradients steep over Scandinavia and Denmark, but slight elsewhere. Barometer rising at all but our extreme southwestern stations.
TEMPERATURE	{ Highest, 66° at Lisbon, 65° at Perpignan, 63° at Biarritz, 58° at Nice, 57° at Rochefort, 54° at Lyons, and 52° at Valencia. Lowest, 35° at Christiansund, 36° at Haparanda, 37° at Rödö, 40° at Stockholm, 41° at Helsingfors and Skudsmo, and 42° at Lumburg (Belg.). The maxima registered over England yesterday were about 10° lower than those of the previous day.
WIND	{ Strong from the NW <sup>rd</sup> over Scandinavia and Denmark. Light from N. over Scotland, the Netherlands and the east of France. Moderate or fresh from E. over the Bay of Biscay and the west and south of our islands.
WEATHER	{ Dull in the southwest and extreme west of our islands, with rain at Rock Point, Pembroke and Oxford. Fair or fine in nearly all other localities, but snow reported at Haparanda. Since yesterday morning rain has fallen at several of our western stations.
SEA	{ Rather rough off the west of Norway, and moderate at Rock Point, but slight or smooth elsewhere.


## PROBABLE CHANGES IN SYSTEM NOW PREVALENT


A large shallow depression appears to be spreading northwards from Portugal to our southwest coasts. The disturbance is scarcely likely to affect the weather over our eastern districts, but rain will probably extend from our southwestern to our northwestern stations.

## FORECASTS

for the 24 hours ending at NOON on 11<sup>th</sup> May 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	N <sup>w</sup> to NE <sup>w</sup> winds, light; fair generally.	6 { SCOTLAND WEST	E <sup>w</sup> winds, light; fair to dull and some rain.
1 { SCOTLAND EAST	-----D°-----D°-----D°-----	7 { ENGLAND N. W.	-----D°-----D°-----D°-----
2 { ENGLAND N. E.	NE <sup>w</sup> winds, light; fine at first, but unsettled later, with local rains.	8 { ENGLAND S. W.	SE <sup>w</sup> winds, freshening; dull, some rain.
3 { ENGLAND EAST	Same as No 5	9 { IRELAND NORTH	E <sup>w</sup> and SE <sup>w</sup> winds, moderate or fresh; dull, some rain.
4 { MIDLAND COUNTIES	SE <sup>w</sup> winds; light; dull, some rain.	10 { IRELAND SOUTH	-----D°-----D°-----D°-----
5 { ENGLAND SOUTH	E <sup>w</sup> winds, light or moderate; fair generally.	WARNINGS	NONE ISSUED.

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.98	46	42	NW 8	bc	5	Holyhead ...	30.42	48	43	NW 1	c	1
Sumburgh Head ...	30.20	45	42	NW 3	c	5	Valencia ...	30.34	53	51	SE 4	om	4
Stornoway ...	30.33	48	48	NW 4	bc	3	Scilly ...	30.34	54	51	SE 4	c	3
Aberdeen ...	30.31	53	45	NW 5	bc	2	Jersey ...	30.35	60	52	SE 4	bc	3
Shields ...	30.33	47	41	NE 2	c	2	Dungeness ...	30.32	53	47	SE 4	bc	3
Ardrossan ...	30.36	50	48	NW 4	c	3	London ...	30.35	56	49	NE 2	bc	*
Malin Head ...	30.40	48	44	NW 2	bc	2	Yarmouth ...	30.34	50	43	NW 4	c	3
Mullaghmore ...							Rocheport ...	30.23	43	68	NW 4	c	2
Belmullet ...	30.37	47	44	SE 3	r	*							

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

The reports for yesterday morning showed that pressure was highest (30.3 ins. to 30.4 ins.) in an anticyclone lying over the British Isles and Brittany, lowest (29.1 ins. and less) in a depression which had advanced to the Gulf of Bothnia from the NW. NE winds were prevalent over Northern Europe, NW gales on the eastern shores of the North Sea, W to SW gales over the Baltic, and SE winds in Finland. The weather was dull, rainy and very unsettled. Over the British Islands, France and the Bay of Biscay the winds were light in force and anticyclonic in direction, the weather dry and cool, but dull and foggy in Ireland and the English Channel. Temperature had decreased over the United Kingdom, as the anticyclonic NW and NE winds had set in, and in Germany, also, as the W gale and rain had set in; readings varied from 70° and more over the northern parts of Spain to rather below 40° over the north of Sweden, Finland, and on the shores of the White Sea. Over central Ireland and the north of Great Britain frost had occurred during the night. The highest individual values were 74° at Bilbao, 72° at Barcelona, 70° at Corunna, 68° at Kiel, 67° at Trieste, 66° at Brindisi, 65° at London, 64° at Cagliari and Belfast, 60° at Wiesbaden, and 55° at Valencia. The lowest were 36° at Archangel and Helsingfors, 38° at Hakaranda, Uleaborg, Kuopio and Wiby, 40° at Sumburgh P., and 43° at Stornoway and Aberdeen.

During the day the weather was much cooler over Northwestern Europe than on the previous day, and towards the afternoon rain began to fall in the southeast of Ireland.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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# DAILY WEATHER REPORT.

for *Friday, 11<sup>th</sup> May* 1883.  
 Issued by the Meteorological Office, 116, Victoria Street, London. R.H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.26	35	NW	2	0	29.41	+29	37	36	+1	N	2	b	*	39	32	-	
	Hernösand ...	29.65	37	NNW	6	0	29.63	+14	38	32	-3	NNW	6	c	*	52	36	-	
	Stockholm ...	29.77	42	W	2	0	29.75	+09	41	33	+1	NW	4	c	*	50	37	-	
	Wisby ...	29.87	37	W	4	0	29.86	+09	37	35	0	NNW	4	b	*	59	34	-	
	Bodö ...	29.78	36	NNW	5	0	29.75	+06	34	31	-3	NNW	6	s	3	37	34	0.08	
	Christiansund...	30.01	38	W	6	0	29.99	-04	38	35	+3	NNW	8	r	5	39	35	0.08	
	Skudesnaes ...	30.19	41	NW	5	0	30.17	-03	41	38	0	NW	6	0	4	43	?	-	
	Christiania Fjord (Fjorder)	29.97	45	NNW	5	0	29.95	-01	43	36	0	NNW	4	b	1	48	39	-	
	Skagen (The Scaw)	30.00	42	NW	1	0	29.97	-01	42	39	-1	N	2	b	1	52	39	-	
	Fanö ...	30.18	40	NW	6	0	30.13	+01	42	39	-1	NW	6	c	*	46	39	-	
BRITISH ISLANDS.	Sumburgh Head	30.32	43	NW	3	0	30.32	00	45	42	+3	NNW	2	b	3	46	38	0.03	
	Stornoway ..	30.47	48	NW	3	0	30.54	+10	45	44	-1	NW	3	0	3	48	41	-	
	Wick ...	30.44	44	NNE	3	0	30.45	+04	46	43	0	NW	4	c p	3	50	36	0.03	
	Nairn ...	30.43	50	NNE	1	0	30.49	+08	45	41	0	N	0	c	1	54	35	-	
	Aberdeen...	30.45	45	SSW	1	0	30.46	+06	48	43	+2	NNW	4	c	2	54	38	-	
	Leith ...	30.41	50	SE	1	0	30.50	+08	50	44	+2	NE	1	b	*	52	34	-	
	Shields ...	30.44	47	E	2	0	30.48	+07	46	42	0	W	1	0	2	48	39	-	
	Spurn Head ...	30.43	45	NE	3	0	30.47	+08	47	41	+4	N	2	b	3	50	38	-	
	York ...	30.43	51	E	2	0	30.50	+10	45	42	-2	N	1	b	*	57	37	-	
	Loughborough	30.40	53	E	2	0	30.50	+11	46	43	+1	NW	1	c	*	59	35	-	
GERMANY.	Ardrossan ...	30.41	54	NW	1	0	30.50	+11	49	45	0	NW	1	b	1	56	39	-	
	Malin Head ...	30.45	47	N	2	0	30.53	+14	46	43	-1	N	2	0	2	49	43	-	
	Mullaghmore ...	30.42	52	NNW	4	0	30.53	+16	48	45	+2	ESE	3	b	2	55	40	-	
	Belmullet ...	30.45	50	NE	3	0	30.53	+18	49	45	+2	NE	3	b	*	52	39	-	
	Donaghadee ...	30.44	50	NE	3	0	30.51	+12	47	45	0	NNE	3	b	1	53	45	-	
	Barrow-in-Furness	30.37	50	S	2	0	30.47	+10	49	42	+3	NE	3	b	*	59	42	-	
	Liverpool (Bidston)	30.41	51	SSE	1	0	30.50	+13	49	44	+1	SE	1	c	2	53	42	-	
	Holyhead ...	30.39	50	NNE	2	0	30.49	+15	50	48	+3	WSW	1	b	1	52	41	-	
	Parsonstown ...	30.39	57	N	0	0	30.52	+17	44	42	-1	N	0	b	*	58	35	-	
	Valencia ...	30.37	53	ESE	2	0	30.48	+18	54	50	+2	NE	1	b	2	54	44	-	
FRANCE & NETHERLANDS.	Roche's Point...	30.36	49	ESE	4	0	30.47	+16	49	47	+4	ESE	4	c	4	50	40	0.02	
	Pembroke ...	30.47	45	SE	3	0	30.49	+18	49	47	+4	SE	2	b	2	49	45	0.02	
	Scilly ...	30.30	50	E	5	0	30.41	+13	50	45	-1	E	5	c	4	54	46	-	
	Prawle Point ...	30.37	46	ESE	3	0	30.47	+13	48	44	0	ESE	4	b	3	50	41	-	
	Jersey ...	30.33	51	ESE	4	0	30.43	+10	48	44	-3	E	5	b	4	56	43	-	
	Hurst Castle ...	30.39	49	SE	3	0	30.49	+11	46	45	-3	ESE	3	b	1	58	?	-	
	Dungeness ...	30.38	47	E	5	0	30.46	+09	48	42	+1	E	4	b	3	53	41	-	
	London ...	30.39	51	ESE	2	0	30.48	+09	44	40	-4	E	2	b	*	57	38	-	
	Oxford ...	30.42	47	N	3	0	30.51	+10	45	40	+2	NE	2	b	*	52	36	0.01	
	Cambridge ...	30.42	53	N	1	0	30.50	+10	48	43	0	N	1	b	*	58	30	-	
PENIN- SULA.	Yarmouth ...	30.41	47	NNE	3	0	30.46	+09	46	41	-2	NNE	3	b	3	50	37	-	
	Cuxhaven ...	30.29	40	NW	6	0	30.23	+01	43	42	0	NW	6	c	*	45	40	-	
	Berlin ...	30.13	46	NNW	4	0	30.18	+02	41	37	-1	NW	5	0	*	54	36	-	
	Wiesbaden ...	*	*	*	*	*	30.38	+06	43	37	-3	NE	3	b	*	55	37	-	
	Munich ...	30.19	47	N	0	0	30.26	+02	44	40	-3	N	2	c	*	57	37	-	
	The Helder ...	30.38	42	NNW	3	0	30.39	+05	43	39	-4	NNW	4	c	3	46	41	-	
	Brussels ...	*	*	*	*	*	30.43	+06	42	39	-1	NNW	3	0	*	51	36	-	
	Cape Gris Nez...	30.36	46	ESE	4	0	30.44	+08	42	41	-2	NE	5	c	4	52	41	-	
	Paris ...	30.28	53	NNE	5	0	30.39	+05	43	40	-1	NE	4	b	*	59	37	-	
	Brest ...	30.21	59	E	5	0	30.29	+04	45	43	-3	E	7	0	3	70	43	-	
PENIN- SULA.	Lorient ...	30.23	61	NE	3	0	30.32	+07	46	41	-2	ESE	7	b	4	70	45	-	
	Rochefort ...	30.16	72	NE	5	0	30.21	00	49	46	-8	ESE	7	b	3	79	43	-	
	Belfort ...	30.19	62	NE	1	0	30.30	+10	50	42	0	NE	4	b	*	66	37	-	
	Lyons ...	30.07	64	NNE	4	0	30.17	00	46	40	-8	NNW	5	b	*	68	43	-	
	Nice ...	29.99	61	WSW	3	0	29.94	-11	57	56	-1	N	0	0	2	64	54	-	
	Perpignan ...	29.97	78	SW	3	0	30.02	-08	66	59	+1	N	0	b	*	83	52	-	
	Biarritz ...	30.03	68	WSW	4	0	30.04	-08	62	59	-1	WSW	4	b	2	73	59	-	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	30.02	67	SW	3	0	30.01	-07	61	55	-5	WSW	3	b	2	75	57	0.04	

For Explanation of Columns, see p. 4.

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



# WEATHER CHARTS

for 8 a.m. on Friday, 11<sup>th</sup> May, 1888.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

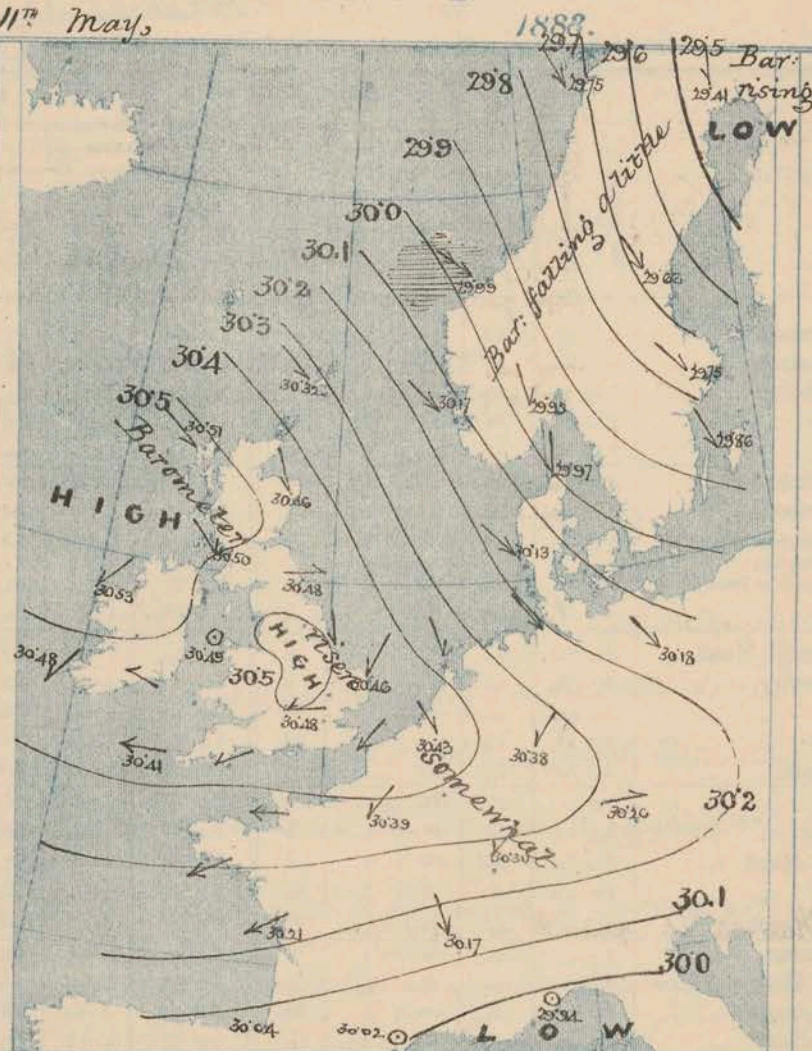
**Sea Disturbance** — where considerable is shown thus.

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.878
Stornoway	29.893
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Scilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



## 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.

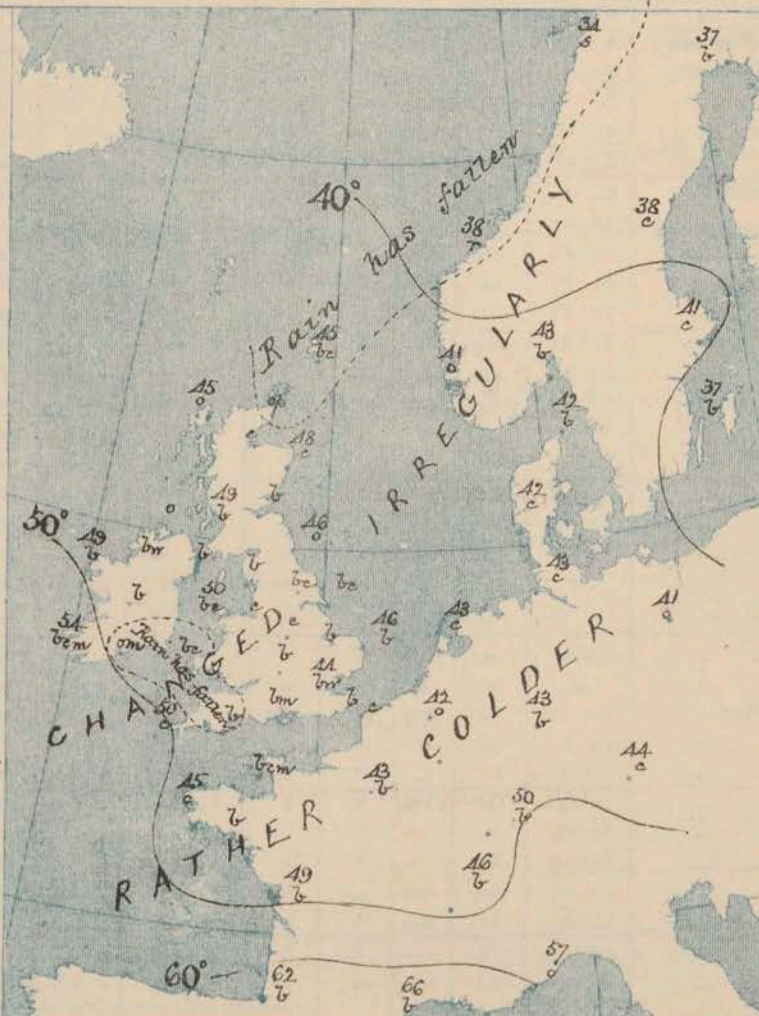
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.  
for the month of May

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	48.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.67
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.6	49.5	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Scilly	56.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.5	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.5 ins. and upwards in two anticyclonic systems lying respectively over Central England and our extreme north-west coasts.  
 Lowest, 29.5 ins. and less, over the Gulf of Bothnia, 30.0 ins. and less, in the extreme south of France.  
 Gradients moderate for NW winds over Scandinavia, Denmark, and the North Sea, and for E winds over France, but slight elsewhere.  
 Barometer rising at all but the Norwegian and Danish stations.

## TEMPERATURE

Highest, 66° at Perpignan, 62° at Biarritz, 61° at Lisbon, 57° at Nice, 54° at Valencia and 50° at Louth, Holyhead, Scilly, and Belfast.  
 Lowest, 34° at Rodø, 37° at Haparanda and Wikby, 38° at Helsingfors and Christiansund, and 41° at Stockholm, Lundsarv and Berlin.  
 Slight ground frost was experienced over England last night.

## WIND

NW<sup>ly</sup> over Scandinavia, Denmark, the Netherlands, and the north and east of Scotland.  
 NE<sup>ly</sup> or E<sup>ly</sup> over the greater part of Ireland, England, and France; strong to a gale in force over the Bay of Biscay.

## WEATHER

Fair or fine generally but snow falling at Rodø and rain at Christiansund.  
 Slight rain fell yesterday at some of our southwestern and extreme northern stations.

## SEA

Rather rough at Christiansund and moderate on our southwest coasts, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

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

## FORECASTS <sup>12<sup>th</sup></sup> May

for the 24 hours ending at NOON on

1888.

### DISTRICTS.

### FORECASTS.

NW<sup>ly</sup> to W<sup>ly</sup> winds, moderate; changeable local showers.

0 { SCOTLAND  
NORTH

1 { SCOTLAND  
EAST

2 { ENGLAND  
N.E.

3 { ENGLAND  
EAST

4 { MIDLAND  
COUNTIES

5 { ENGLAND  
SOUTH

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

-----D°-----D°-----D°-----

Same as No 5.

Same as No 1.

NE<sup>ly</sup> winds, light or moderate, fair generally.

### DISTRICTS.

### FORECASTS.

Same as No 1.

6 { SCOTLAND  
WEST

7 { ENGLAND  
N.W.

8 { ENGLAND  
S.W.

9 { IRELAND  
NORTH

10 { IRELAND  
SOUTH

Variable breezes, finally NW<sup>ly</sup>; fair generally.

Same as No 5

NE<sup>ly</sup> to NW<sup>ly</sup> winds, moderate; fair generally.

Same as No 5

NO NE ISSUED.

### WARNINGS

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.23	44	39	NW 7	c	4	Holyhead ...	30.38	50	46	NNE 3	bm	1
Stamburgh Head	30.32	44	41	NW 3	c	3	Valencia ...	30.35	52	50	ENE 2	0	2
Stornoway ...	30.46	48	47	S 3	c	3	Scilly ...	30.30	53	48	E 4	0	4
Aberdeen ...	30.44	54	48	N 3	bc	1	Jersey ...	30.33	54	46	NE 4	0	3
Shields ...	30.44	46	43	NE 2	b	2	Dungeness ...	30.33	51	45	E 4	c	3
Ardrossan ...	30.41	55	48	NW 2	b	1	London ...	30.40	54	48	E 2	bc	*
Malin Head ...	30.44	49	45	NNE 2	b	0	Yarmouth ...	30.40	60	45	NNE 3	b	2
Mullaghmore ...	30.42	53	49	NNE 2	bc	2	Rochefort ...	30.20	45	65	ENE 5	b	2
Belmullet ...	30.38	51	47	NE 4	c	*							

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

*Continental Information not received.*

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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# DAILY WEATHER REPORT.

for *Saturday, 12<sup>th</sup> May 1888.*  
*Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.*

STATIONS.		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETR.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 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 ..	29.65	85	N	2	C	29.60	+19	33	33	"	4	N	1	5	*	48	32	0.08
	Hernösand ...	29.81	39	NW	2	bc	29.91	+28	41	38	+	3	2	0	0	*	46	32	-
	Stockholm ...	29.82	36	N	0	b	29.91	+16	41	36	0		NNE	2	b	*	46	32	-
	Wisby ...	29.85	36	N	2	b	29.97	+11	37	35	0		N	2	b	*	48	34	-
	Bodö ...	29.82	39	N	4	C	29.91	+16	43	41	+	9	SE	2	bc	1	?	30	-
	Christiansund...	30.14	40	NW	4	bc	30.11	+12	41	?	+	3	S	2	C	3	44	36	0.04
	Skudesnaes ...	30.19	40	NNW	6	C	30.19	+02	41	38	0		NW	1	05	3	43	39	-
	Christiania Fjord (Færd)	30.00	44	NNW	3	b	30.10	+15	42	35	-	1	NW	2	b	1	45	41	-
	Skagen (The Scaw)	30.01	42	N	1	b	30.12	+15	43	37	+	1	NNE	1	b	2	50	39	-
	Fanö ...	30.11	39	NW	7	b	30.21	+08	44	41	+	2	NW	6	b	*	46	37	-
BRITISH ISLANDS.	Sumburgh Head	30.31	45	NW	3	0	30.13	-19	45	45	0		WNW	3	r	3	45	43	0.01
	Sornoway ..	30.46	48	NW	3	0	30.38	-13	49	49	+	4	W	4	0	4	49	43	-
	Wick ...	30.42	46	N	5	0	30.32	-13	48	45	+	2	NW	5	0	3	52	42	0.02
	Nairn ...	30.45	50	NW	1	bc	30.38	-11	47	43	+	2	W	1	bc	1	53	36	-
	Aberdeen...	30.42	51	NNW	3	b	30.40	-06	48	43	0		WNW	1	C	1	55	38	-
	Leith ...	30.39	50	E	1	b	30.42	-08	51	46	+	1	NW	1	bm	*	56	34	-
	Shields ...	30.44	48	E	2	b	30.41	-07	47	43	+	1	N	3	b	3	51	38	-
	Spurn Head ...	30.44	47	NNE	2	b	30.44	-08	46	43	-	1	NNW	3	b	3	52	42	-
	York ...	30.44	53	E	2	b	30.46	-04	47	41	+	2	S	1	b	*	60	35	-
	Loughborough	30.42	56	SE	1	0	30.47	-03	49	44	+	3	SE	1	b	*	62	33	-
GERMANY.	Ardrossan ...	30.43	57	WNW	4	b	30.44	-06	48	45	-	1	W	3	b	2	58	39	-
	Malin Head ...	30.51	46	NNW	3	C	30.49	-04	45	43	-	1	NNW	1	0	1	49	43	-
	Mullaghmore ...	30.50	53	N	3	b	30.56	+03	48	44	0		ENE	2	low	2	55	41	-
	Belmullet ...	30.52	50	NE	3	b	30.52	-01	46	43	-	3	ENE	2	bc	*	52	40	-
	Donaghadee ...	30.48	51	NE	3	b	30.49	-02	47	44	0		NNE	4	bc	2	53	44	-
	Barrow-in-Furness	30.41	53	NW	3	b	30.42	-05	45	44	-	4	E	2	bc	*	55	41	-
	Liverpool (Bidston)	30.45	53	WNW	2	b	30.47	-03	47	45	-	2	W	1	C	2	55	42	-
	Holyhead ...	30.46	48	WNW	1	b	30.47	-02	50	47	0		NNW	3	low	2	55	43	-
	Parsonstown ...	30.46	61	N	0	bc	30.51	-01	47	44	+	3	N	0	b	*	62	36	-
	Valencia ...	30.49	54	WNW	1	Cm	30.47	-01	55	51	+	1	NNE	1	bm	1	68	50	-
FRANCE & NETHERLANDS.	Roche's Point...	30.46	53	ESE	3	bc	30.46	-01	48	46	-	1	N	1	m	3	58	42	-
	Pembroke ...	30.46	51	N	2	b	30.44	+05	51	48	+	2	NE	1	b	0	54	43	-
	Scilly ...	30.42	50	E	5	C	30.41	00	50	47	0		E	4	C	4	53	45	-
	Prawle Point ...	30.44	47	E	2	b	30.45	-02	49	45	+	1	ENE	3	low	2	50	40	-
	Jersey ...	30.39	51	E	6	bm	30.43	00	49	44	+	1	ENE	5	bm	4	54	43	-
	Hurst Castle ...	30.46	48	SSE	3	bm	30.46	-03	48	45	+	2	E	1	low	0	54	?	-
	Dungeness ...	30.43	46	ESE	4	b	30.43	-03	50	45	+	2	NNE	2	b	2	52	32	-
	London ...	30.43	52	NE	2	b	30.45	-03	47	43	+	3	N	0	bm	*	57	34	-
	Oxford ...	30.44	54	N	0	0	30.47	-04	48	45	+	3	NE	1	low	*	58	36	-
	Cambridge ...	30.44	55	N	1	b	30.47	-03	48	43	0		NE	1	b	*	60	32	-
PENINSULA.	Yarmouth ...	30.44	49	NNE	3	b	30.44	-02	48	44	+	2	NNE	3	b	3	51	38	-
	Cuxhaven ...	30.21	41	NW	7	r	30.25	+02	43	41	0		NNW	4	0	*	46	41	0.04
	Berlin ...	30.07	42	WNW	6	0	30.19	+01	42	39	+	1	NW	3	b	*	48	36	0.08
	Wiesbaden ...	*	*	*	*	*	30.37	-01	46	40	+	3	NE	3	0	*	54	41	-
	Munich ...	30.25	44	NW	1	b	30.30	+04	41	38	-	3	NW	5	bc	*	50	34	-
	The Helder ...	29.97	44	NNW	4	C	30.38	-01	45	42	+	2	NNW	3	2	3	46	43	-
	Brussels ...	*	*	*	*	*	30.42	-01	45	39	+	3	NNW	1	C	*	51	40	-
	Cape Gris Nez...	30.42	46	ENE	5	b	30.43	-01	46	46	+	4	ENE	4	b	3	52	41	-
	Paris ...	30.34	52	NE	5	b	30.42	+03	43	39	0		NE	4	b	*	58	35	-
	Brest ...	30.29	54	E	5	b	?	?	44	41	-	1	ESE	5	bc	3	61	39	-



# WEATHER CHARTS

for 8 a.m. on Saturday, 12<sup>th</sup> May, 1888.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

\* — forces above 10; — forces 8 to 10;  
— forces 5 to 7; — forces 1 to 4;  
○ = dead calm.

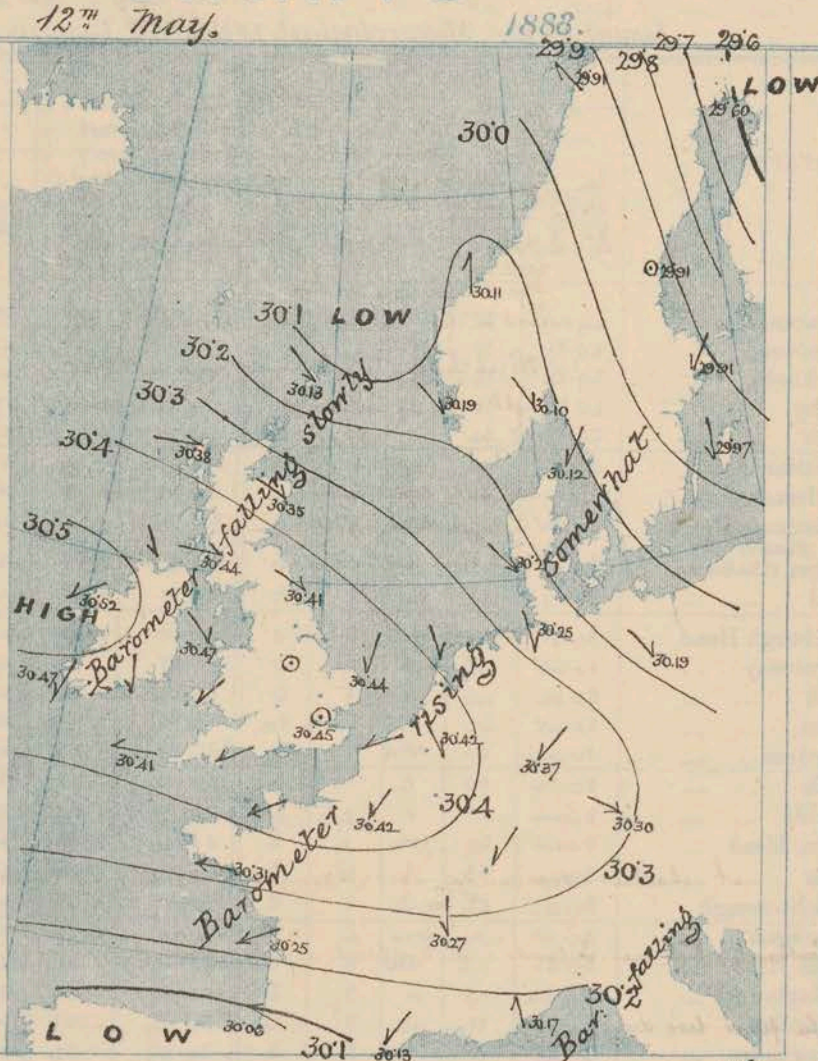
**Sea Disturbance** — where considerable is shown thus.

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.876
Stornoway	29.893
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Scilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



## 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.

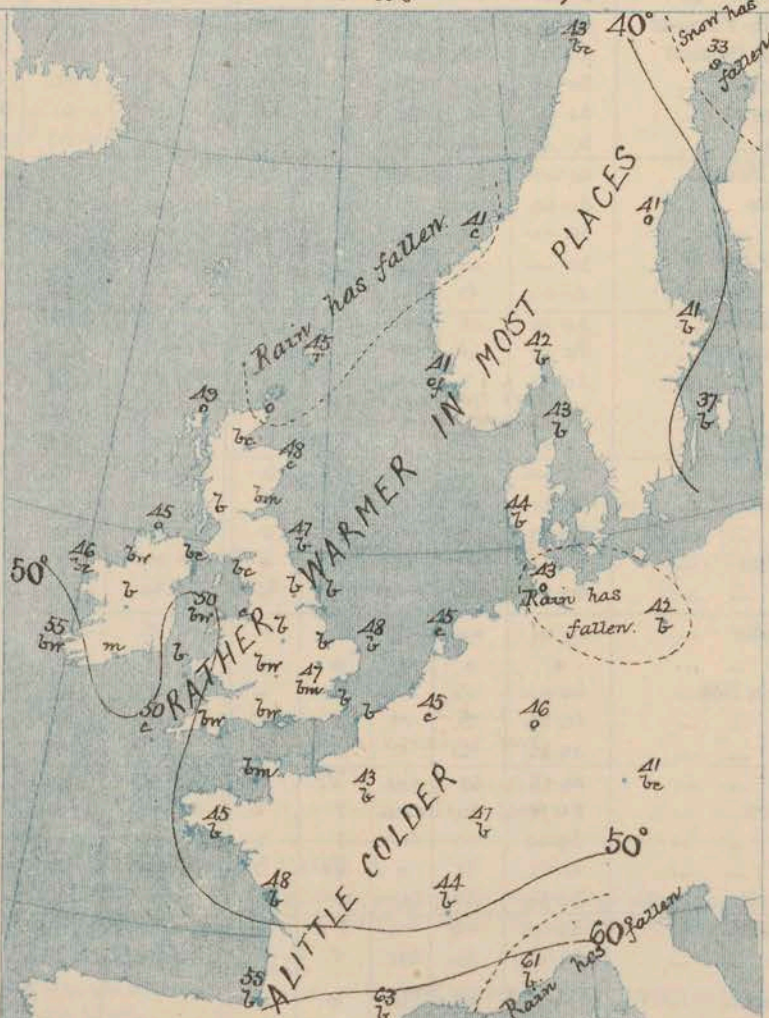
## MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of May.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	48.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.87
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.6	49.5	47.3	2.15
Holyhead	58.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Scilly	56.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.5	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	56.4	44.8	50.6	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.4 ins. and more, over the whole of England, Ireland, Belgium, and the northeast of France — 30.5 ins. and more at Larssonstov and Belmullet. Lowest, 29.6 ins. at the northern extremity of the Gulf of Bohemia, about 30.1 ins. off the coast of Norway, and about 30.0 ins. over the Spanish Peninsula. Gradients, slight — for NW winds in the northeast, and for E winds in the south. Barometer falling slightly in the north of Scotland, rising over Sweden, scarcely changing elsewhere.
TEMPERATURE	Highest, 63° at Perpignan, 61° at Lisbon and Nice, 55° at Biarritz and Valencia, and 51° at Lumbrooke and Leith. Lowest, 33° at Haparanda, 41° at Skudene and Christiansund, and Muriek, 42° at Berlin, and 48° at Lumbrooke Head and the Helder. It is therefore low for the time of year except in the north of Scotland. Frost on the grass was very prevalent at the inland stations early this morning.
WIND	N <sup>2</sup> in Sweden, and NW <sup>2</sup> over Scotland, the North Sea and Germany, but SE <sup>2</sup> in the northwest of Norway. Light and variable from the N <sup>2</sup> over Ireland and England, NE in the Channel. E <sup>2</sup> strong over the Bay of Biscay.
WEATHER	Clear and bright over Ireland, England and the Continent, with slight haze in places. Dull in the north of Scotland and southwest of Norway, raining at Lumbrooke Head. Slight rain has fallen over some of the extreme northern and eastern parts of our area.
SEA	Moderate at the mouth of the Channel and at Stornoway, slight or smooth elsewhere.



## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A shallow depression now lying between the Shetlands and Norway may cause further showers in the north and east of Scotland, but over Ireland and England fine weather is still probable, accompanied by rather higher day temperatures than those of the past two days.

## FORECASTS

for the 24 hours ending at NOON on 13<sup>th</sup> May. 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	NW <sup>2</sup> breezes, moderate; cloudy, slight showers then fair and cold.	6 { SCOTLAND WEST	NW <sup>2</sup> breezes, light; cold at night.
1 { SCOTLAND EAST	----- D° ----- D° ----- D° -----	7 { ENGLAND N. W.	----- D° ----- D° ----- D° -----
2 { ENGLAND N. E.	NW <sup>2</sup> and N <sup>2</sup> breezes, light; fine, cold, frost inland at night.	8 { ENGLAND S. W.	NE <sup>2</sup> breezes, light; fine.
3 { ENGLAND EAST	----- D° ----- D° ----- D° -----	9 { IRELAND NORTH	Varying N <sup>2</sup> airs; fine, hazy, frost inland at night.
4 { MIDLAND COUNTIES	Variable airs and calms, dry, cold, hazy, frost inland at night.	10 { IRELAND SOUTH	----- D° ----- D° ----- D° -----
5 { ENGLAND SOUTH	Calms and E <sup>2</sup> breezes, fine, dry, hazy, frost inland at night.		
		WARNINGS	NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.16	43	38	NW 8	c	5	Holyhead ...	30.49	51	48	WNW 1	b	1
Sumburgh Head ...	30.32	47	44	WNW 3	c	3	Valencia ...	30.51	56	52	WNW 2	cm	2
Stornoway ...	30.50	48	48	NW 3	c	3	Sailly ...	30.43	51	44	E 6	c	5
Aberdeen ...	30.46	53	46	WNW 4	c	3	Jersey ...	30.42	54	45	NE 5	b	4
Shields ...	30.45	51	47	E 2	b	3	Dungeness ...	30.45	50	44	ESE 4	b	4
Ardrossan ...	30.46	53	51	WSW 2	b	1	London ...	30.45	55	48	WNW 2	c	*
Malin Head ...	30.53	47	44	N 2	c	1	Yarmouth ...	30.46	51	44	N 3	b	3
Mullaghmore ...	30.52	53	49	WNW 4	b	2	Rocheport ...	30.22	66	53	ENE 6	b	3
Belmullet ...	30.54	52	47	NE 3	b	*							

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

The reports for yesterday morning showed that pressure was highest (30.5 ins. and upwards) in anticyclonic systems lying respectively over Central England and the northwest of our Islands, and lowest (29.4 ins. and less) in a depression lying over Lapland. The wind was moderate to strong from the NW<sup>nd</sup> over Scandinavia and Denmark, and light from the same quarter over Scotland, the Netherlands and North Germany. Over Northern Russia, however, it drew into W., while over England, Ireland and France it was NE<sup>ly</sup> or E<sup>ly</sup> and over Southern Europe light and variable. The weather was fair or fine in nearly all places, but snow was falling at Hodo and rain at Christiansund. Temperature had changed little and irregularly over our Islands and Scandinavia, but fallen in most other localities; readings ranged from between 60° and 70° over Algeria and Southern Europe generally to 40° or less over the northern parts of Scandinavia and Russia. The highest individual readings were 75° at Birkho, 69° at Lille, Barcelona and Tfax, 68° at Bilbao, 67° at C. Basco, Corunna, Brindisi and Oran, and 66° at Oporto and Cagliari; the lowest were 34° at Hodo and Kuopio, 36° at Uleaborg, 37° at Haparanda, Wisby, Hangö and St. Petersburg, 38° at Hernösand and Christiansund, 40° at Carrel, 41° at Skudesnaes, Stockholm, Munster, Berlin, Prague, and Charleville.

In the course of the day scarcely any change was observed either in pressure winds or weather but at night a sharp ground frost was experienced over the inland parts of England.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Sunday 13<sup>th</sup> May 1888.  
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (9 to 12.)	SHADE TEMP.			
				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.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda	29.85	37	Z	0	c	29.80	+ .20	37	?	+ 4	E	4	0	*	41	32	—	
	Hernösand	29.93	37	Z	0	c	29.79	— .12	30	35	— 5	Z	0	0	*	32	36	0.16	
	Stockholm	29.95	40	Z	0	b	29.79	— .12	49	41	+ 8	Z	0	b	*	?	30	—	
	Wisby	30.04	36	WSW	2	b	29.89	— .08	46	40	+ 9	S	4	b	*	46	32	—	
	Bodö	29.91	40	ENE	2	b	29.78	— .13	41	36	— 2	E	2	b	1	45	37	—	
	Christiansund	29.88	41	ESE	3	o	29.45	— .66	43	41	+ 2	SSW	4	+	3	46	36	0.28	
	Skudesnaes	30.04	43	WNW	2	r	29.72	— .47	44	44	+ 3	W	4	0	3	?	41	—	
	Christiania Fjord (Fjorder)	29.96	44	SSW	4	o	29.69	— .41	43	?	+ 1	SW	6	c	3	46	41	—	
	Skagen (The Scaw)	29.88	44	SW	2	o	29.76	— .36	44	43	+ 1	NW	5	o	4	45	41	0.04	
	Fanö	30.06	42	W	6	r	30.03	— .18	44	42	0	W	6	o	*	46	42	—	
BRITISH ISLANDS.	Sumburgh Head	30.11	46	WNW	3	c	29.69	— .44	45	42	0	WNW	6	c	5	49	40	0.12	
	Stornoway	30.29	51	W	6	c	30.02	— .36	47	47	— 2	NW	6	o	4	52	44	0.05	
	Wick	30.24	51	NW	6	o	29.88	— .44	48	45	0	NW	7	c	4	52	41	0.03	
	Nairn	30.29	51	W	3	c	29.96	— .42	49	47	+ 2	WNW	5	p	4	57	45	0.05	
	Aberdeen	30.29	48	S	2	c	29.93	— .47	53	48	+ 5	NNW	3	c	2	59	42	—	
	Leith	30.30	59	W	4	b	30.09	— .33	50	46	— 1	W	5	c	*	65	41	—	
	Shields	30.28	51	ESE	2	b	30.10	— .31	49	45	+ 2	W	6	b	2	53	40	—	
	Spurn Head	30.32	48	SE	5	b	30.15	— .29	48	45	+ 2	WNW	4	b	3	51	42	—	
	York	30.32	62	W	2	b	30.16	— .30	51	46	+ 4	W	3	b	*	68	41	—	
	Loughborough	30.35	63	W	2	b	30.23	— .34	48	45	— 1	W	3	b	*	69	41	—	
GERMANY.	Ardrossan	30.40	50	WNW	3	c	30.13	— .31	51	49	+ 3	W	5	o	4	55	46	—	
	Malin Head	30.45	47	NW	3	o	30.23	— .26	49	48	+ 4	WNW	3	o	2	49	45	—	
	Mullaghmore	30.46	50	NW	4	b	30.33	— .23	49	45	+ 1	NW	4	o	2	53	41	—	
	Belmullet	30.49	48	NNE	3	b	30.36	— .16	49	45	+ 3	WNW	2	o	*	50	43	—	
	Donaghadee	30.44	50	NE	4	c	30.27	— .22	47	44	0	WNW	4	c	2	53	44	—	
	Barrow-in-Furness	30.37	50	NNW	3	b	30.22	— .20	47	44	+ 2	NW	5	o	*	54	43	—	
	Liverpool (Bidston)	30.41	47	WNW	3	b	30.27	— .20	46	42	— 1	W	4	o	3	52	43	—	
	Holyhead	30.43	46	NNW	1	b	30.31	— .16	46	44	— 4	NNW	1	ovr	1	52	43	—	
	Parsonstown	30.42	62	Z	0	b	30.37	— .14	45	43	— 2	Z	0	o	*	64	35	—	
	Valencia	30.42	55	WSW	3	b	30.35	— .12	53	50	— 2	N	1	b	2	61	43	—	
FRANCE & NETHERLANDS.	Roche's Point	30.42	55	SE	3	b	30.32	— .14	50	48	+ 2	N	1	b	2	56	43	—	
	Pembroke	30.39	52	NNE	3	b	30.28	— .16	51	49	0	NNE	2	b	1	58	34	—	
	Scilly	30.37	51	ENE	4	b	30.27	— .14	53	45	+ 3	ENE	2	b	3	54	46	—	
	Prawle Point	30.39	48	ENE	3	b	30.29	— .16	52	48	+ 3	E	2	b	2	55	42	—	
	Jersey	30.36	55	ENE	3	b	30.26	— .17	56	51	+ 7	ENE	3	b	3	57	45	—	
	Hurst Castle	30.40	49	SSW	3	b	30.28	— .18	49	47	+ 1	ENE	1	b	0	57	?	—	
	Dungeness	30.39	50	E	3	b	30.24	— .19	48	45	— 2	W	1	b	1	53	34	—	
	London	30.38	57	ESE	2	b	30.25	— .20	52	46	+ 5	W	1	b	*	62	38	—	
	Oxford	30.36	56	S	2	b	30.26	— .21	50	47	+ 2	WNW	2	b	*	64	40	—	
	Cambridge	30.36	55	S	1	b	30.21	— .26	52	47	+ 4	SW	1	b	*	65	38	—	
PENIN- SULA.	Yarmouth	30.40	50	SE	2	b	30.17	— .27	52	47	+ 4	WNW	2	b	2	52	39	—	
	Cuxhaven	30.32	42	NNW	4	o	30.11	— .14	45	44	+ 2	WNW	5	o	*	47	42	—	
	Berlin	30.21	50	WNW	1	b	30.15	— .04	45	41	+ 3	WNW	4	o	*	55	41	—	
	Wiesbaden	*	*	*	*	*	30.28	— .09	48	43	+ 2	Z	0	b	*	57	37	—	
	Munich	30.32	43	NE	2	b	30.27	— .03	46	39	+ 5	SE	3	b	*	52	30	—	
	The Helder	30.38	45	NW	1	c	30.18	— .20	46	44	+ 1	SW	3	b	3	48	43	—	
	Brussels	*	*	*	*	*	30.26	— .16	50	45	+ 5	SW	1	b	*	55	39	—	
	Cape Gris Nez	30.38	47	ENE	4	b	30.26	— .17	46	45	0	SW	1	b	0	54	41	—	
	Paris	30.33	57	NE	4	b	30.27	— .15	49	44	+ 6	NNE	3	b	*	61	40	—	
	Brest	30.25	59	E	5	b	30.22	?	50	47	+ 6	E	5	b	2	64	39	—	
GERMANY.	Lorient	30.25	62	E	5	b	30.22	— .09	50	46	+ 5	E	4	b	2	64	43	—	
	Rochefort	30.19	66	ENE	8	b	30.16	— .09	51	47	+ 3	ENE	7	b	2	68	43	—	
	Belfort	30.23	57	SW	3	b	30.20	— .08	50	46	+ 3	SW	3	b	*	59	33	—	
	Lyons	30.18	60	N	4	b	30.19	— .08	52	44	+ 8	ESE	1	b	*	60	43	—	
	Nice	30.04	61	SW	1	b	30.11	— .06	53	55	+ 2	E	5	b	0	70	54	—	
	Perpignan	30.07	68	NE	1	b	30.11	— .02	61	55	— 2	E	1	b	*	73	43	—	
	Biarritz	30.04	65	NNW	4	b	30.04	— .02	61	58	+ 6	Z	0	b	1	70	55	—	
	Corunna	*	*	*	*	*	30.00	— .00	63	62	0	WNW	4	f	3	68	55	—	
	Lisbon	29.95	63	NNW	5	b	30.00	+ .02	62	59	+ 1	N.	4	b	2	77	57	—	



# WEATHER

# CHARTS

for 8 a.m. on

Sunday, 13<sup>th</sup> May

1882.

## 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.

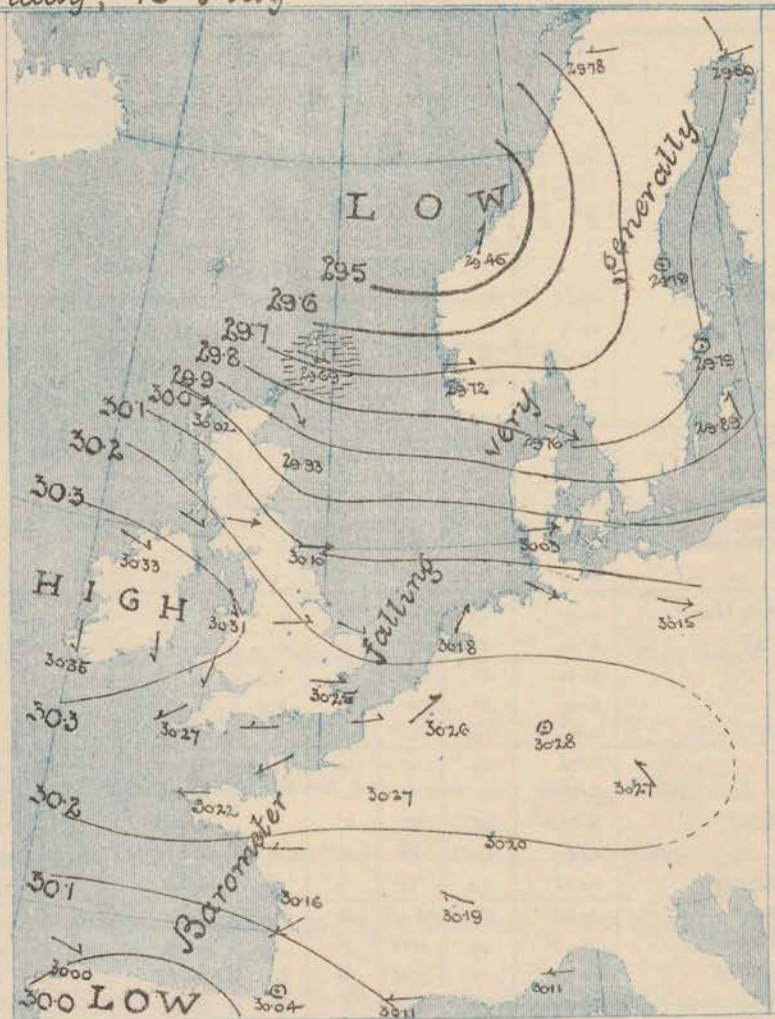
— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.878
Stornoway	29.898
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roches Point	29.979
Pembroke	29.977
Scilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



## 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.

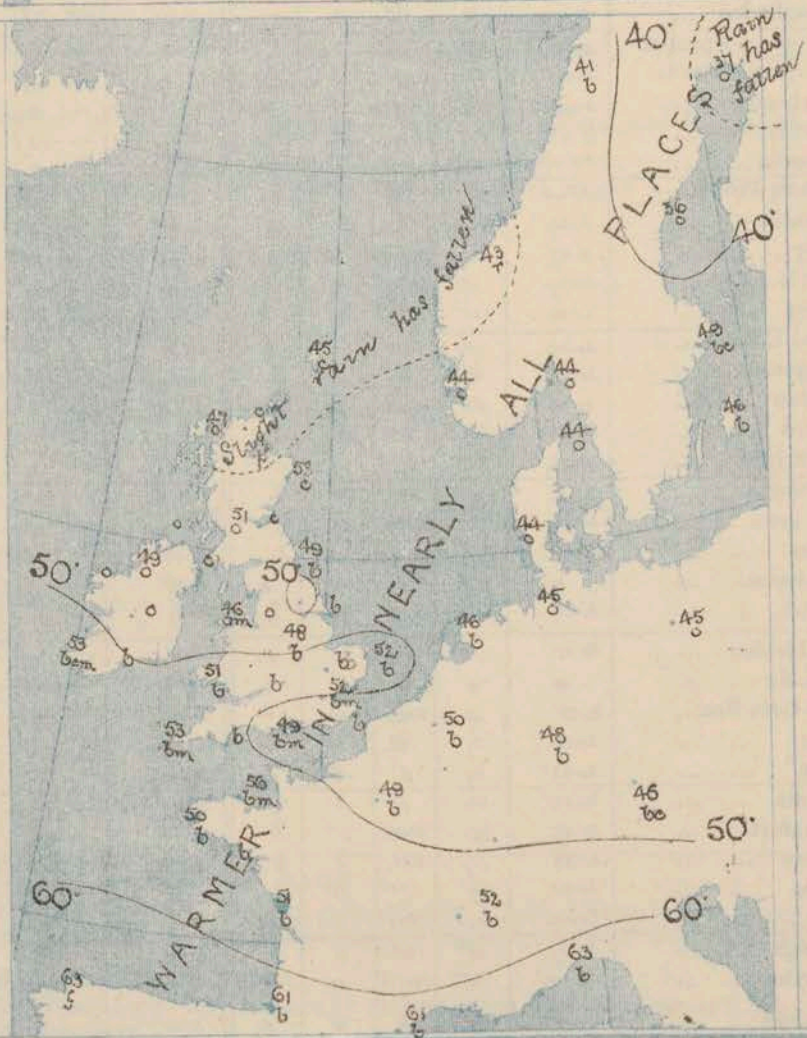
## MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of May

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	39.9	45.9	48.9	1.71
Stornoway	52.9	40.7	48.4	46.0	2.04
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.87
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	3.20
Donaghadee	55.9	43.6	49.5	47.3	2.15
Holyhead	55.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.8	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	53.8	49.5	2.89
Roches' Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Scilly	50.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.5	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	58.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	65.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.3 ins: and more over Ireland, 30.2 ins: and more over the southern half of England, the north of France, Belgium and central Germany.  
Lowest, 29.5 ins: and less, in a depression, lying off the west of Norway — 30.0 ins: and less over Spain.  
Gradients rather steep in the north, slight elsewhere. Barometer falling generally — fast in north-east, slightly in extreme south-west.

## TEMPERATURE

Highest, 63° at Nice and Genoa, 62° at Lisbon, 61° at Perpignan and Biarritz, 55° at Aberdeen, Leeds, and Valencia, and 52° in London.  
Lowest, 36° at Hammerud, 37° at Haparanda, 41° at Bodo, 45° at Lumsburgh Head, Cuxhaven and Berlin.  
The daily maxima yesterday were, 68° at York, and 69° at Loughborough, but only 62° in London.  
During the night frost has occurred on the grass over Central Ireland and the south-eastern part of England.

## WIND

Strong and equally from NW in Scotland, fresh to strong W<sup>1</sup> over the North Sea, E<sup>1</sup> in the north of Scandinavia.  
Light NW<sup>1</sup> and N<sup>1</sup> at our western stations, light to moderate NE<sup>1</sup> and E<sup>1</sup> over France and the Bay of Biscay.  
In Spain it is NW<sup>1</sup> to N<sup>1</sup> — in Germany fresh W<sup>1</sup>.

## WEATHER

Bell in the north-west, cloudy and obscuring in Scotland and the west of Norway.  
Bell over Germany and Denmark.  
Fine and bright over England and France where heavy dew has fallen.

## SEA

Rather rough in the north, smooth in south-east, south and south-west.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression lying off the west of Norway is moving south-eastwards and is likely to cause still more wind in the north and east of Scotland, and (after a warm day today) colder weather over our islands generally.

## FORECASTS

For the 24 hours ending at NOON on 14<sup>th</sup> May. 1888.

### DISTRICTS.

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

### FORECASTS.

None issued

### DISTRICTS.

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

### WARNINGS

### FORECASTS.

None issued

None issued

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



# YESTERDAY'S 2 P.M. REPORTS

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnes ...	30.12	42	41	ESE 7	r f	3	Holyhead ...	30.47	50	40	NNW 2	3	2
Sumburgh Head ...	30.12	48	47	WNW 3	o	3	Valencia ...	30.40	60	55	WSW 3	bm	3
Stornoway ...	30.36	32	32	W 6	o	4	Scilly ...	30.39	50	47	E 4	c	4
Aberdeen ...	30.33	53	47	S 2	c	1	Jersey ...	30.39	55	50	ENE 5	bm	4
Shields ...	30.35	50	47	ESE 3	6	3	Dungeness ...	30.43	52	47	E 2	6	2
Ardrossan ...	30.41	54	50	W 3	6	2	London ...	30.42	61	54	E 2	6	*
Malin Head ...	30.47	48	46	NN 2	o	1	Yarmouth ...	30.43	51	46	NNE 2	6	2
Mullaghmore ...	30.49	32	48	WNW 4	6	2	Rochefort ...	30.22	68	64	ENE 8	6	3
Belmullet ...	30.52	49	45	NE 3	6	*							

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

The reports for yesterday morning showed that pressure then varied from between 30.3 ins: and 30.5 ins: over the British Isles, the Channel, Netherlands, and north of France, to 29.7 ins: and less, over Northern Europe, to 30.1 ins: and less in a secondary disturbance lying between the Shetlands and west of Norway, and to about 30.0 ins: over the Iberian Peninsula. Thus, while W<sup>ly</sup> and NW<sup>ly</sup> winds prevailed over Scotland and NE<sup>ly</sup> to E<sup>ly</sup> over France and the southern half of England, the winds over the North Sea and Germany were SW<sup>ly</sup>, and those over Russia variable. The weather was fine over Western Europe, but cold, and to the eastward of the North Sea it was slightly showery. Temperature was low for the time of year, especially over the Baltic and Western Russia, and <sup>varied</sup> from between 60° and 70° over the Mediterranean and Southern Europe to less than 40° over Sweden, Finland, the Baltic Provinces of Russia, and Poland. The highest individual values were 76° at Biskra (Algeria), 72° at Cagliari, 70° at Sfax (Tunis) and Khendisi, 68° at Bilbao, 67° at Barcelona, 66° at Palermo, Malta and San Fernando, 63° at Perpignan, 62° at Athens and Naples, and 55° at Valencia; the lowest were 33° at Haparanda, 34° at Hango, Selteneburg and Helsinki, 37° at Mielby, 41° at several of the Norwegian and Swedish stations and 42° at Berlin.

During the day temperature rose very considerably over the inland parts of the north of England, where the daily maxima were but little short of 70°.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

**WEATHER.**—Beaufort Scale is b. blue Sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. 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, 14<sup>th</sup> May* 1888.  
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Altitude.	
				Dirac.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.67	33	N	2	C	29.51	- 29	38	37	+ 1	NE	2	C	*	43	32		
	Hernösand ...														*				
	Stockholm ...	29.32	42	S	2	O	29.20	- 59	44	39	- 5	SW	4	C	*	52	36		
	Wisby ...	29.59	42	S	6	r	29.35	- 54	42	39	- 4	S	4	C	*	48	32	0.28	
	Bodö ...	29.69	41	ESE	2	b	29.57	- 21	42	36	+ 1	E	2	C	1	45	34		
	Christiansund...	29.69	41	W	4	b	29.47	+ 02	41	37	- 2	ESE	4	b	3	45	36	0.16	
	Skudesnaes ...	29.38	40	WNW	5	r	29.37	- 35	41	40	- 3	NW	6	r	3	45	31		
	Christiania Fjord (Færdor)	29.46	44	WNW	6	b	29.17	- 52	41	37	- 2	WNW	6	O	2	46	39		
	Skagen (The Scaw)	29.41	41	W	6	C	29.20	- 56	43	40	- 1	NW	4	C	3	48	37	0.16	
	Fanö ...	29.67	42	WSW	6	b	29.50	- 53	43	40	- 1	W	6	C	*	50	41		
BRITISH ISLANDS.	Sumburgh Head	29.61	43	WNW	6	O	29.72	+ 03	42	40	- 3	N	5	C	5	45	37	0.09	
	Stornoway ..	30.00	44	NW	4	Op.	29.94	- 08	42	42	- 5	N	5	O	4	49	37	0.16	
	Wick ...	29.76	42	NW	7	C	29.83	- 05	44	41	- 4	NW	4	C	3	49	36	0.03	
	Nairn ...	29.93	47	WNW	4	r	29.90	- 06	41	39	- 8	WNW	3	Cp	3	53	38	0.06	
	Aberdeen...	29.86	49	WNW	7	Cp	29.82	- 11	43	40	- 10	WNW	6	C	4	53	39	0.08	
	Leith ...	29.92	49	W	5	b	29.89	- 20	49	42	- 1	NW	3	Cp	*	61	40		
	Shields ...	29.87	57	W	6	b	29.84	- 26	46	41	- 3	N	3	C	3	60	39		
	Spurn Head ...	29.94	53	WNW	4	b	29.86	- 29	44	41	- 4	N	4	C	2	56	41		
	York ...	29.97	52	W	4	b	29.88	- 28	46	41	- 5	WNW	2	b	*	60	38		
	Loughborough	30.03	56	NW	3	b	29.90	- 33	46	43	- 2	WNW	2	O	*	61	40		
GERMANY.	Ardrossan ...	29.98	50	WNW	4	b	29.95	- 18	47	43	- 4	NW	4	b	3	54	40		
	Malin Head ...	30.09	47	WNW	4	b	30.02	- 21	45	43	- 4	WNW	3	Cp	3	50	41	0.02	
	Mullaghmore ...	30.15	50	NW	5	r	30.07	- 26	46	43	- 3	NW	4	C	3	54	42	0.01	
	Belmullet ...	30.20	51	WNW	3	C	30.10	- 26	47	43	- 2	N	5	C	*	54	41	0.02	
	Donaghadee ...	30.07	48	NNE	4	b	29.99	- 28	47	43	0	NNE	5	b	3	59	45	0.01	
	Barrow-in-Furness	30.03	48	WNW	5	O	29.92	- 30	44	42	- 3	N	3	C	*	50	41		
	Liverpool (Bidston)	30.03	51	WNW	6	C	29.93	- 34	47	42	+ 1	NW	3	b	3	54	43	0.01	
	Holyhead ...	30.11	48	SW	4	C	29.97	- 34	45	42	- 1	WNW	4	b	4	54	44		
	Parsonstown ...	30.17	55	W	0	O	30.08	- 29	46	43	+ 1	W	0	b	*	58	36		
	Valencia ...	30.22	52	N	3	b	30.09	- 26	52	47	- 1	NE	3	b	3	55	46		
FRANCE & NETHERLANDS.	Roche's Point...	30.16	57	WNW	3	b	30.06	- 26	48	44	- 2	N	3	b	3	59	44		
	Pembroke ...	30.13	52	WNW	2	b	29.99	- 29	46	44	- 5	N	3	b	1	53	43		
	Scilly ...	30.14	52	NNE	5	b	29.97	- 30	50	46	- 3	NNE	5	O	4	55	47		
	Prawle Point ...	30.07	60	NW	3	b	29.94	- 35	52	48	0	WNW	3	C	2	61	41		
	Jersey ...	30.08	61	WNW	2	b	29.91	- 36	52	48	- 4	NNE	4	b	3	66	46		
	Hurst Castle ...	30.06	53	SW	5	b	29.91	- 37	52	49	+ 3	NNE	2	b	1	56	?		
	Dungeness ...	30.00	53	W	4	b	29.83	- 41	48	43	0	NNE	3	b	2	55	40		
	London ...	29.98	69	W	2	b	29.88	- 37	48	43	- 4	NW	3	C	*	71	45		
	Oxford ...	30.00	55	NW	2	b	29.91	- 35	48	45	- 2	WNW	3	b	*	69	42		
	Cambridge ...	30.03	58	W	0	b	29.88	- 33	50	46	- 2	N	1	C	*	68	39		
PENIN- SULA.	Yarmouth ...	29.96	57	NW	1	b	29.85	- 32	47	43	- 5	N	3	b	3	62	44		
	Cuxhaven ...	? 29.91	45	W	5	b	? 29.71	- 50	47	45	+ 2	WNW	6	b	*	48	45		
	Berlin ...	29.91	51	SW	1	b	29.68	- 47	51	46	+ 6	SW	1	b	*	55	41		
	Wiesbaden ...	*	*	*	*	*	29.81	- 37	50	46	+ 2	W	0	b	*	66	41		
	Munich ...	30.07	51	NE	1	b	29.89	- 38	55	48	+ 9	W	4	b	*	59	36		
	The Helder ...	29.90	48	SW	1	b	29.78	- 40	45	41	- 1	NW	4	b	3	52	45		
	Brussels ...	*	*	*	*	*	29.82	- 44	51	47	+ 1	WNW	1	C	*	67	46		
	Cape Gris Nez...	30.07	51	SW	5	b	29.86	- 40	47	47	+ 1	N	4	C	3	55	45		
	Paris ...	30.04	66	N	1	b	29.86	- 41	55	49	+ 6	W	0	b	*	73	40		
	Brest ...	30.03	59	NE	5	b	29.96	- 26	49	46	- 1	NE	4	b	3	70	39		

For Explanation of Columns, see p. 4.

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



## 1883.

(Explanation of Map.)

MEAN HEIGHT of the BAROMETER  
at 3 a. m. for the month of May

MEANS OF TEMPERATURE IN SHADE.  
AND RAINFALL.  
*for the month of May.*

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



# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.0 ins: and 30.1 ins: over Ireland, 29.9 ins: over the southeast of France.  
Lowest, 29.2 ins: and less over the southern half of Sweden—about 29.8 ins: over Spain.  
Gradients moderate over the North Sea, slight in our Islands and France.  
Barometer falling most places; beginning to rise at Christiansund and Lumburgh Head.

## TEMPERATURE

Highest, 63° at Nice and Biarritz, 62° at Perpignan, Lyons, and Belfast, 52° at Valencia and 51° at Berlin.  
Lowest, 38° at Staparanda, 41° at Christiansund, Skudermars and Naun, and 42° at Lumburgh Head and Stornoway.  
It rose to 71° in London yesterday afternoon, but has since fallen generally, and is very low for the time of year in Scotland.

## WIND

NE<sup>2</sup> over the north of Scandinavia—N<sup>2</sup> in our Islands.  
NW<sup>2</sup> and W<sup>2</sup> strong, on the eastern shores of the North Sea—S<sup>2</sup> in the south east of Sweden.  
Variable over France—NE<sup>2</sup> and E<sup>2</sup> over the Bay of Biscay.  
A NW<sup>2</sup> gale was felt in the northeast of Scotland yesterday.

## WEATHER

Slightly showery in the north of Scotland—Fair and dry elsewhere.  
Amount of cloud varies greatly in different localities.  
Some cold rain fell yesterday in the north and northwest.

## SEA

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

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now inclined to rise a little at Stornoway and Christiansund, and a continuation of cold dry N<sup>2</sup> winds seems probable, with frost at night over the inland districts.

## FORECASTS

For the 24 hours ending at NOON on 15<sup>th</sup> May. 1888.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	N <sup>2</sup> breezes, moderate; fair, cold.
1	SCOTLAND EAST	.....D°.....D°.....D°.....
2	ENGLAND N.E.	.....D°.....D°.....D°.....
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as No 5
5	ENGLAND SOUTH	NW <sup>2</sup> and N <sup>2</sup> winds, light; fine, cold, frosty inland at night.



### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Same as No 0.
7	ENGLAND N.W.	Same as No 0.
8	ENGLAND S.W.	N <sup>2</sup> winds, fresh to light; fine, cold, frost inland at night.
9	IRELAND NORTH	D° D° D°
10	IRELAND SOUTH	.....D°.....D°.....D°.....

### WARNINGS

NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.57	43	41	WNW 4	0	3	Holyhead ...	30.20	52	47	WNW 3	6	2
Sumburgh Head							Valencia ...						
Stornoway ...	30.00	45	47	NW 6	†	5	Scilly ...						
Aberdeen ...							Jersey ...	30.63	63	54	WNW 2	6	2
Shields ...							Dungeness ...	30.09	55	48	W 4	6	3
Ardrossan ...							London ...						*
Malin Head ...	30.13	50	48	NW 4	6	3	Yarmouth ...						
Mullaghmore ...							Rocheport ...	30.09	80	66	E 5	6	2
Belmullet ...	30.26	53	48	WNW 3	0	*							

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

The reports for yesterday morning showed that pressure varied from 30.3 ins. and more at the Irish stations, and between 30.1 ins. and 30.3 ins. in a broad band which extended thence across England, France, Germany, Austria-Hungary and Bulgaria to the Black Sea, and to about 29.4 ins. in a depression which lay off the West of Norway, and to rather below 30.0 ins. over central Spain. NW winds, strong to a gale in force, were prevalent in Scotland, strong W winds over the North Sea, SW in the South of Norway and E in Lapland; over Germany and western Russia the wind was moderate from W. In all the above districts temperature was rather low, the sky cloudy, and in some places the weather was showery. Over Ireland and England however, the wind was light from between N and W, while in France and the Bay of Biscay it was N to E, and in these countries the weather was fine. Temperature (which had been high over the North of England on the previous day) varied from between 60° and 70° over southern Europe and the Mediterranean, and from 50° and more over several parts of our Islands and France, to a little below 40° over the North of Sweden and in Finland. The highest individual values were 74° at Biskra (Algeria), 72° at Cagliari, 70° at Bilbao, 68° at Brindisi, 66° at Barcelona, 63° at Nice and La Coruña, 62° at Livorno, and 61° at Perpignan and Biarritz; the lowest were 34° at Uleaborg, 36° at Herrisand and Kuopio, 37° at Hangö and Haparanda, and 41° at Bodö. During the day the thermometer rose greatly over France and the southern parts of England, the maxima attained being 78° in London, and 69° at Oxford.

## 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> MAY 1888.

In the course of this week the weather was very fine over the southern and eastern parts of the British Islands, showery at first in the West and North, but afterwards fine in those regions also. At the beginning of the week the barometer was highest in an anticyclone which lay over France, lowest to the northward of Scotland; the winds were consequently W and SW, but they were of little force, the sky was a good deal clouded and showers of rain fell from time to time in Ireland, Wales and Scotland. Temperature, however, was high, the daily maxima exceeding 70° in many parts of England and the East of Scotland on Monday, but falling short of that value, except in London, on the following day in the southern parts of France the maxima varied from 78° to 81°.

A change then took place; the barometer rose considerably over the British Islands, but fell over the continent and an anticyclonic system was formed over Ireland and England, giving us NW winds at the northern stations and NE to E in the South. The weather then gradually improved in the West and North, and became fine generally, after being very showery in Ireland on Wednesday. Temperature, however, declined, and although the daily maxima varied from 50° to 60° at many of our own stations, and exceeded 70° over France, the nights were cold, and frosts occurred, both in the shade and on the grass at many of the inland stations — notably over the eastern counties of England.

At the close of the week the appearance was of a less settled type, and the barometer was falling irregularly in the North.

## EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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



# DAILY WEATHER REPORT.

for *Tuesday, 15<sup>th</sup> May 1888.*  
*Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.*

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 8 <sup>th</sup> P. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.			
				Dir.	Force. (0 to 12.)		Reading at 8 <sup>th</sup> P. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..													*					
	Hernösand ...	29.18	34	ESE	2	0	29.25		40	39		2	0	0	*	?	32	0.51	
	Stockholm ...	29.19	38	ESE	2	7	29.34	+14	42	38	-2	NW	2	0	*	48	37	0.04	
	Wisby ...	29.31	39	SW	4	60	29.45	+10	39	37	-3	W	4	0	*	48	37	0.04	
	Bodö ...	29.38	40	ESE	2	0	29.50	-27	41	35	-1	ESE	2	0	1	43	32	-	
	Christiansund...	29.44	41	ESE	2	0	29.41	-06	40	37	-1	W	6	0	3	45	34	0.04	
	Skudesnaes ...	29.48	41	NW	5	60	29.59	+22	43	40	+2	NW	4	0	3	48	41	-	
	Christiania Fjord (Ferder)	29.34	44	NW	4	0	29.49	+32	44	37	+3	W	0	0	1	43	39	-	
	Skagen (The Scaw)	29.37	42	NW	1	0	29.52	+32	46	41	+3	W	2	0	2	52	36	-	
	Fanö ...	29.54	42	W	6	0	29.69	+19	46	43	+3	W	6	0	*	48	39	-	
BRITISH ISLANDS.	Sumburgh Head	29.66	42	NW	2	0	29.60	-12	42	42	0	E	2	0	2	45	35	0.07	
	Stornoway ..	29.72	43	S	2	7	29.49	-45	42	42	0	S	4	7	3	47	37	0.20	
	Wick ...	29.73	46	NW	2	60	29.56	-27	41	41	-3	SSE	3	7	2	49	38	0.10	
	Nairn ...	29.72	45	W	0	0	29.54	-36	42	41	+1	W	0	7	1	48	39	0.05	
	Aberdeen...	29.74	47	SE	2	0	29.57	-25	44	41	+1	SSW	2	0	2	51	41	-	
	Leith ...	29.75	55	NW	2	0	29.56	-33	44	42	-5	SE	1	7m	*	57	39	0.03	
	Shields ...	29.79	44	ESE	1	0	29.62	-22	46	43	0	SSW	2	0m	3	50	40	-	
	Spurn Head ...	29.83	46	NNE	2	60	29.70	-16	47	44	+3	SSW	1	0	3	49	41	-	
	York ...	29.82	50	W	1	0	29.68	-20	45	42	-1	S	1	0	*	52	39	-	
	Loughborough	29.83	50	WSW	1	0	29.70	-20	49	45	+3	SSW	3	0	*	53	36	-	
GERMANY.	Ardrossan ...	29.79	48	NW	3	0	29.53	-42	44	43	-3	SSW	4	7	3	53	41	0.23	
	Malin Head ...	29.80	46	W	2	0	29.43	-59	44	44	-1	S	4	0T	3	49	41	0.16	
	Mullaghmore ...	29.83	47	SW	3	0	29.41	-66	46	44	0	S	6	7g	5	52	42	0.17	
	Belmullet ...	29.84	48	W	5	0	29.35	-75	49	47	+2	SW	7	0	*	51	47	0.19	
	Donaghadee ...	29.83	47	NE	3	0	29.54	-45	47	45	0	WSW	3	0	1	51	44	0.08	
	Barrow-in-Furness	29.81	48	NW	3	0	29.62	-30	45	41	+1	SSE	5	0	*	52	42	-	
	Liverpool (Bidston)	29.85	49	NW	2	0	29.64	-29	49	43	+2	SSE	1	0	2	52	40	-	
	Holyhead ...	29.87	47	NW	2	60	29.61	-36	48	45	+3	S	4	0	4	48	43	-	
	Parsonstown ...	29.85	52	W	0	0	29.54	-54	47	44	+1	S	2	0	*	55	42	-	
	Valencia ...	29.92	51	NW	2	60	29.50	-59	50	47	-2	S	5	0	5	55	45	-	
FRANCE & NETHERLANDS.	Roche's Point...	29.89	54	SW	3	60	29.57	-49	48	46	0	SW	5	0	4	52	42	-	
	Pembroke ...	29.88	48	N	2	0	29.65	-34	48	47	+2	S	2	0	1	49	42	-	
	Scilly ...	29.90	48	NNE	4	0	29.66	-31	54	45	+1	SSE	1	0	2	51	42	-	
	Prawle Point ...	29.84	50	NW	2	0	29.66	-28	50	46	-2	E	2	0	1	60	39	-	
	Jersey ...	29.82	53	NW	3	0	29.68	-23	55	49	+3	NNE	2	0m	2	57	39	-	
	Hurst Castle ...	29.81	51	WSW	3	60	29.71	-20	52	48	0	SSE	3	0	1	58	44	-	
	Dungeness ...	29.81	48	E	3	0	29.74	-09	48	43	0	SSW	3	0	3	55	43	-	
	London ...	29.82	51	ESE	2	0	29.74	-14	51	44	+3	SE	2	0	*	56	41	-	
	Oxford ...	29.81	49	N	1	0	29.71	-20	48	44	0	SE	3	0m	*	55	40	-	
	Cambridge ...	29.82	50	E	1	0	29.73	-15	53	46	+3	S	1	0	*	55	39	-	
PENINSULA.	Yarmouth ...	29.84	48	NNE	2	60	29.77	-08	47	44	0	S	3	0	3	50	40	-	
	Cuxhaven ...	29.69	44	NW	5	0	29.77	+06	46	43	0	NW	4	0	*	47	42	-	
	Berlin ...	29.65	50	NW	3	60	29.81	+13	45	40	-6	NW	4	0	*	59	37	-	
	Wiesbaden ...	*	*	*	*	*	29.82	+01	49	42	-1	N	1	0	*	70	39	-	
	Munich ...	29.75	51	W	0	0	29.86	-03	51	50	-4	SW	4	7	*	70	48	0.35	
	The Helder ...	29.79	44	NW	3	0	29.82	+04	45	41	0	W	1	0	1	46	43	-	
	Brussels ...	*	*	*	*	*	29.81	-01	45	41	-6	E	3	0	*	57	38	-	
	Cape Gris Nez...	29.82	47	NE	5	0	29.76	-10	45	44	-2	SE	1	0	0	55	37	-	
	Paris ...	29.75	61	N	5	0	29.73	-13	48	43	-7	NE	3	0	*	70	40	-	
	Brest ...	29.86	53	N	4	0	29.77	-19	47	43	-2	W	0	0	0	70	39	-	

For Explanation of Columns, see p. 4.

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



# WEATHER

for 8 a.m. on

Tuesday,

15<sup>th</sup> May,

1888.

# CHARTS

## 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.

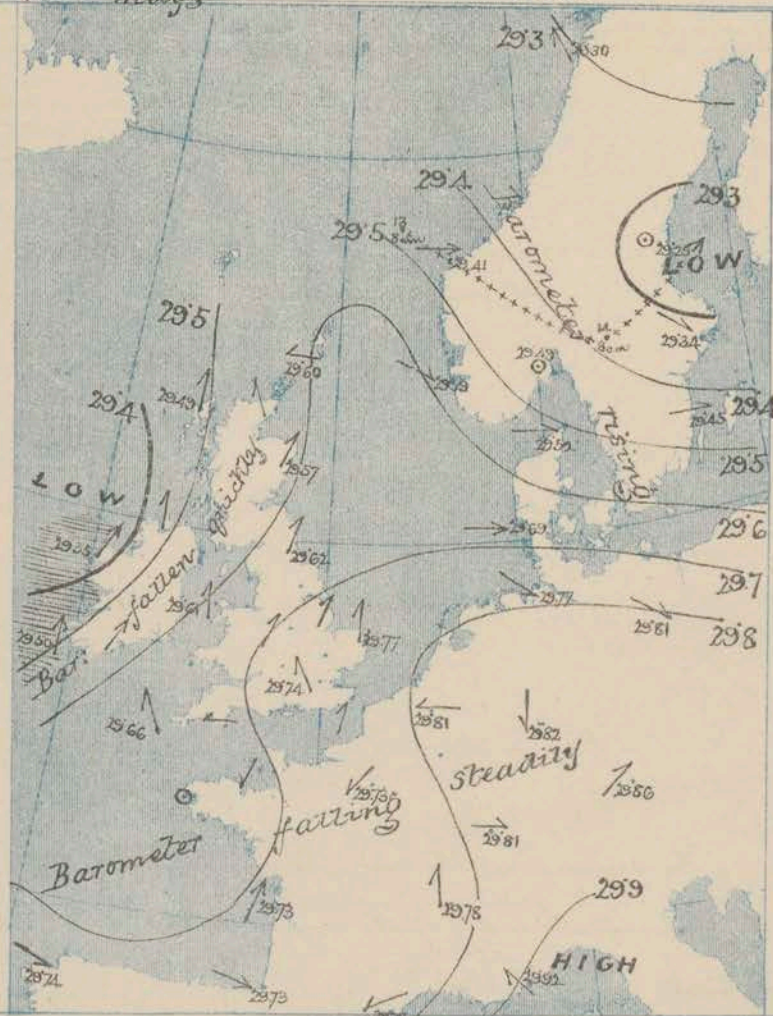
■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.878
Stornoway	29.893
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Scilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



## 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.

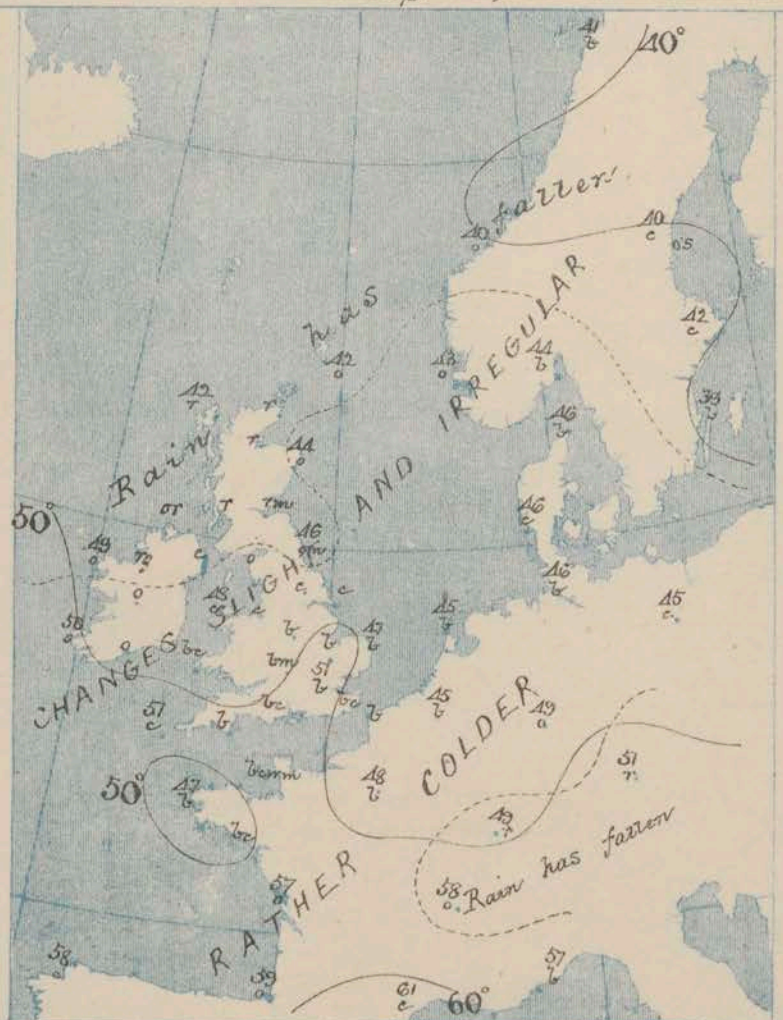
## MEANS OF TEMPERATURE IN SHADE.

## AND RAINFALL.

for the month of May

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet.	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	48.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.67
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.6	49.5	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.83
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Scilly	56.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.5	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 29.92 in. at Nice, 29.8 in. and upwards over Germany, the Netherlands, and the southeast of France and also over Portugal. Lowest, 29.5 in. and less, over the southern part of the Gulf of Bothnia; 29.4 in. and less, in a depression lying off our extreme northwest coast. Gradient moderate or slight generally. Barometer rising on the eastern shores of the North Sea, but falling elsewhere, - quickly in Ireland.
TEMPERATURE	Highest, 61° at Perpignan, 51° at Biarritz, 56° at Lyons and Lisbon, 57° at Rochefort and Nice, and 55° at Jersey. Lowest, 33° at Nisby, 40° at Helsingfors and Christiansund, 41° at Rode and Nicks, and 42° at Stockholm, Lumburgh Head, Hornsund and Narvik. Light ground frost occurred last night over the inland parts of England.
WIND	S <sup>W</sup> or SE <sup>W</sup> in our Islands, strong in force in the west of Ireland, but light or moderate elsewhere. W <sup>W</sup> on the eastern shores of the North Sea and also in Germany. Light from NE in the north and northwest of France; S <sup>W</sup> or SW <sup>W</sup> over the southeastern Departments.
WEATHER	Fair in the south of our Islands as well as at most of the Continental stations. Raining in Scotland and the north of Ireland; dull in the south of Ireland and the southwest of France.
SEA	Rather rough off the west of Ireland, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the west will probably travel away in a northerly or northeasterly direction. Over the north of France there are some indications of a small secondary disturbance and this is likely to advance over England. Unsettled weather is therefore probable in most districts.

## FORECASTS

for the 24 hours ending at NOON on 16<sup>th</sup> May 1883.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	S <sup>W</sup> winds, increasing in force; unsettled, some rain.
1	SCOTLAND EAST	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----
2	ENGLAND N.E.	S <sup>W</sup> and SE <sup>W</sup> winds, moderate; fair to unsettled and some rain.
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as No 5
5	ENGLAND SOUTH	SE <sup>W</sup> to SW <sup>W</sup> winds, light or moderate; fair to dull, probably some rain.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	S <sup>W</sup> winds, increasing to a gale; unsettled, some rain.
7	ENGLAND N.W.	Same as No 0
8	ENGLAND S.W.	SE <sup>W</sup> to SW <sup>W</sup> winds, freshening; fair to unsettled and some rain.
9	IRELAND NORTH	S <sup>W</sup> to SW <sup>W</sup> strong winds and gales; squally, some rain.
10	IRELAND SOUTH	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----
WARNINGS		The South Cone has been hoisted this morning in districts 6, 9, and 10.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skadesnaes ...	29.41	48	43	NW 6	bc	3	Holyhead ...	29.42	48	43	NNW 3	b	3
Stnburgh Head ...	29.70	43	41	NNW 4	0	5	Valencia ...	30.02	55	48	NW 3	bv	4
Stornoway ...	29.82	47	46	NW 3	0	3	Scilly ...	29.95	50	45	NNE 4	em	4
Aberdeen ...	29.78	50	44	NNW 4	3	4	Jersey ...	29.88	57	50	NNE 3	b	3
Shields ...	29.63	49	45	NNE 3	0	3	Dungeness ...	29.83	52	47	E 3	c	2
Ardrossan ...	29.85	53	49	W 4	bc	3	London ...	29.83	54	49	NW 2	0	*
Malin Head ...	29.90	48	45	NW 2	0	3	Yarmouth ...	29.85	50	43	N 4	b	3
Mallaghmore ...	29.94	51	46	W 4	bc	2	Rochefort ...	29.81	71	62	WNW 4	bc	2
Belmullet ...	29.96	50	44	W 3	0	*							

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

The reports for yesterday morning showed that pressure then varied from 30.1 ins. and more over Ireland, and from a similar value on the shores of the Black Sea to about 29.1 ins. in the centre of a large depression which lay over Sweden, and to about 29.3 ins. in another (shallower) depression lying over Spain. Thus, while E and NE winds prevailed over Northern Europe, N breezes were reported in the British Isles, NW to W over the North Sea and SW to S over Germany and the Baltic. In France the wind was variable and over the Bay of Biscay NE. Temperature had decreased greatly in the east and south and varied from 60° and 70° over the Mediterranean to very little above 40° in Scotland and to somewhat below 40° over Finland and Northern Europe generally. The highest individual values were 71° at Cagliari and Bilbao, 73° at Barcelona, 69° at Biskra (Algeria), 66° at Malta, 64° at Brindisi, 63° at Aix and Biarritz, and 62° at Lyons and Reims; the lowest were 34° at Ekaborg, 35° at Archangel, 37° at Kaspia, 38° at Haparanda, Helsinki and Hangö, and 41° at Moscow, Christianund and Rudesnaes.

(During the day, cold N winds continued to blow over England, but the high pressure area in the west began to move southwards, and, with a falling barometer, SW winds began to appear in the northwest.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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# DAILY WEATHER REPORT.

for Wednesday 16<sup>th</sup> May 1888.  
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.			Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)		SHADE TEMP.		Amount of Rainfall.
			Dir.	Force. (0 to 12.)			Reading at 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 ..	29.48	41	WSW	2	b	29.71	+ .46	43	38	+ 3	NNW	2	b	*		52	32	—
	Hernösand ...	29.62	43	L	0	b	29.50	+ .46	48	41	+ 6	SW	2	b	*		52	36	—
	Stockholm ...	29.74	42	SSW	2	b	29.91	+ .46	44	39	+ 5	SW	4	b	*		52	36	—
	Wisby ...	29.39	39	WSW	2	o	29.51	+ .21	38	36	— 3	S	2	r	1		46	37	0.12
	Bodö ...	29.55	38	WSW	7	r	29.73	+ .32	43	39	+ 3	SW	4	c	4		48	34	0.71
	Skudesnaes ...	29.71	53	WSW	2	o	29.82	+ .23	42	41	— 1	SSE	4	r	4		49	43	—
	Christiania Fjord (Fjorder)	29.61	46	WSW	2	b	29.82	+ .33	45	40	+ 1	WSW	2	b	2		46	43	—
	Skagen (The Scaw)	29.71	42	NNW	4	o	29.88	+ .36	43	41	— 3	SW	1	b	1		48	39	—
	Fanö ...	29.80	37	L	0	b	29.80	+ .11	50	46	+ 4	ESE	4	b	*		50	36	—
	Sumburgh Head	29.59	42	SE	1	o	29.67	+ .07	43	41	+ 1	NE	3	c	3		44	38	—
BRITISH ISLANDS.	Stornoway ..	29.47	47	E	4	o	29.51	+ .02	48	48	+ 6	NE	3	o	3		48	39	0.03
	Wick ...	29.32	46	E	2	c	29.60	+ .04	47	45	+ 6	SE	3	m	2		50	39	0.05
	Nairn ...	29.50	49	L	0	c	29.54	.00	52	48	+ 10	S	1	b	1		52	40	0.04
	Aberdeen...	29.55	44	S	3	opa	29.60	+ .03	46	45	+ 2	SSW	1	o	1		48	41	0.01
	Leith ...	29.82	32	SE	3	o	29.53	— .03	49	45	+ 5	S	1	c	*		53	39	0.01
	Shields ...	29.53	49	NNW	2	o	29.57	— .05	45	44	— 1	SE	2	o	3		52	42	—
	Spurn Head ...	29.61	49	SE	6	b	29.58	— .12	49	47	+ 2	SE	4	b	3		55	45	—
	York ...	29.57	57	S	2	c	29.56	— .12	50	41	+ 5	S	2	c	*		59	39	—
	Loughborough	29.58	57	SSE	1	b	29.56	— .14	51	48	+ 2	SE	2	c	*		60	38	—
	Ardrossan ...	29.50	48	S	3	ou	29.47	— .06	48	46	+ 4	ENE	2	om	1		50	41	0.02
GERMANY.	Malin Head ...	29.37	49	SSE	4	org	29.37	— .06	45	43	+ 1	SSE	4	ogm	3		50	41	0.18
	Mullaghmore ...	29.32	50	SSE	6	ogp	29.33	— .08	46	45	0	ESE	5	ogp	4		51	41	0.05
	Belmullet ...	29.28	49	S	6	r	29.27	— .08	51	48	+ 2	SE	6	o	*		51	45	0.08
	Donaghadee ...	29.49	48	WSW	3	o	29.45	— .09	47	45	0	SSE	2	o	0		53	43	—
	Barrow-in-Furness	29.54	51	NW	3	c	29.50	— .12	48	44	+ 3	ESE	5	o	*		54	44	—
	Liverpool (Bidston)	29.54	51	N	1	o	29.50	— .14	47	43	— 2	ESE	3	r	2		53	43	—
	Holyhead ...	29.53	48	SSW	4	b	29.46	— .15	46	45	— 2	SSE	1	rm	2		53	43	0.09
	Parsonstown ...	29.42	49	SE	2	o	29.34	— .20	48	46	+ 1	SE	2	r	*		51	45	0.03
	Valencia ...	29.34	51	SSE	7	om	29.19	— .31	51	48	+ 1	SE	7	rm	6		52	49	0.16
	Roche's Point...	29.42	49	SSW	6	o	29.29	— .28	48	47	0	SSE	5	p	4		51	46	0.12
FRANCE & NETHERLANDS.	Pembroke ...	29.33	47	S	2	b	29.45	— .20	47	47	— 1	SE	6	ogp	3		50	44	0.05
	Scilly ...	29.53	49	S	4	o	29.35	— .31	55	53	+ 4	S	6	c	5		55	45	0.03
	Prawle Point ...	29.57	48	SE	2	b	29.50	— .16	49	49	— 1	S	5	c	4		53	43	0.08
	Jersey ...	29.56	57	L	0	b	29.62	— .06	53	52	— 2	SSE	3	ogm	3		62	44	0.03
	Hurst Castle ...	29.58	54	SSE	3	b	29.56	— .15	53	51	+ 1	S	4	om	1		58	42	—
	Dungeness ...	29.59	49	E	5	b	29.60	— .14	47	45	+ 1	S	3	c	2		55	47	—
	London ...	29.60	55	E	3	b	29.58	— .16	58	51	+ 7	SSW	2	o	*		62	44	—
	Oxford ...	29.58	53	SE	2	b	29.55	— .16	53	49	+ 5	SSE	3	o	*		60	40	—
	Cambridge ...	29.55	55	E	1	b	29.56	— .17	60	54	+ 7	S	1	c	*		62	41	—
	Yarmouth ...	29.65	47	SE	4	b	29.62	— .15	50	49	+ 3	SSE	4	b	3		50	44	—
PENIN- SULA.	Cuxhaven ...	29.85	44	NE	2	b	29.81	+ .04	47	46	+ 1	SE	3	m	*		48	44	—
	Berlin ...	29.84	53	NE	1	b	29.87	+ .06	53	48	+ 8	ESE	3	o	*		59	45	—
	Wiesbaden ...	*	*	*	*	*	29.81	— .01	59	57	+ 10	SE	1	b	*		66	54	0.08
	Munich ...	29.83	55	SE	4	b	29.91	+ .05	61	54	+ 10	SE	3	b	*		64	45	0.04
	The Helder ...	29.72	49	ENE	3	b	29.70	— .12	53	50	+ 8	ESE	1	b	1		54	45	—
	Brussels ...	*	*	*	*	*	29.69	— .12	60	57	+ 15	S	3	c	*		63	45	0.04
	Cape Gris Nez...	29.62	51	ENE	5	b	29.62	— .14	58	57	+ 13	S	4	c	2		59	45	—
	Paris ...	?	62	?	4	o	29.70	— .03	59	58	+ 11	S	3	r	*		70	48	0.08
	Brest ...	29.58	51	SW	3	b	29.52	— .25	57	49	+ 4	S	5	o	5		57	39	—
	Lorient ...	29.63	56	NNW	3	c	29.59	— .10	55	53	+ 9	S	5	o	3		61	45	0.04
PENIN- SULA.	Rochefort ...	29.70	61	SW	3	b	29.72	— .01	53	52	— 4	W	1	r	2		64	48	0.47
	Belfort ...	29.73	66	WSW	1	b	29.89	+ .08	64	59	+ 15	W	1	c	*		69	40	—
	Lyons ...	29.70	69	SSW	4	c	29.78	.00	57	53	— 1	SSE	3	o	*		73	53	—
	Nice ...	29.86	63	SSW	1	c	29.90	— .02	65	55	+ 8	ENE	8	c	0		70	52	—
	Perpignan ...	29.75	63	NE	4	o	29.74	— .04	59	59	— 2	E	3	r	*		75	57	0.78
	Biarritz ...	29.65	59	E	4	o	29.69	— .04	60	56	+ 1	SW	4	c	2		64	55	0.20
	Corunna ...	*	*	*	*	*													
	Lisbon ...	29.81	58	W	4	o	29.89	+ .06	59	50	+ 1	SW	5	o	4		64	55	—

For Explanation of Columns, see p. 4.

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



# WEATHER CHARTS

for 8 a.m. on Wednesday, 16<sup>th</sup> May, 1883

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

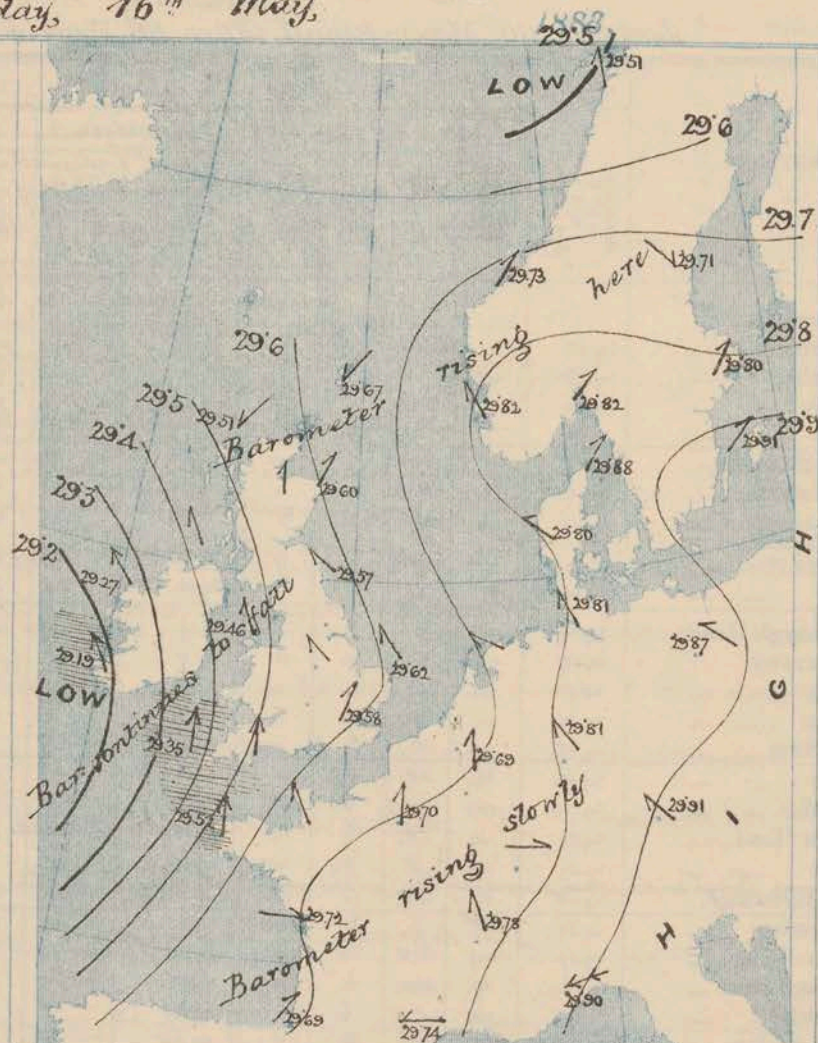
**Sea Disturbance** — where considerable is shewn thus.

▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.878
Stornoway	29.893
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Scilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



## 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.

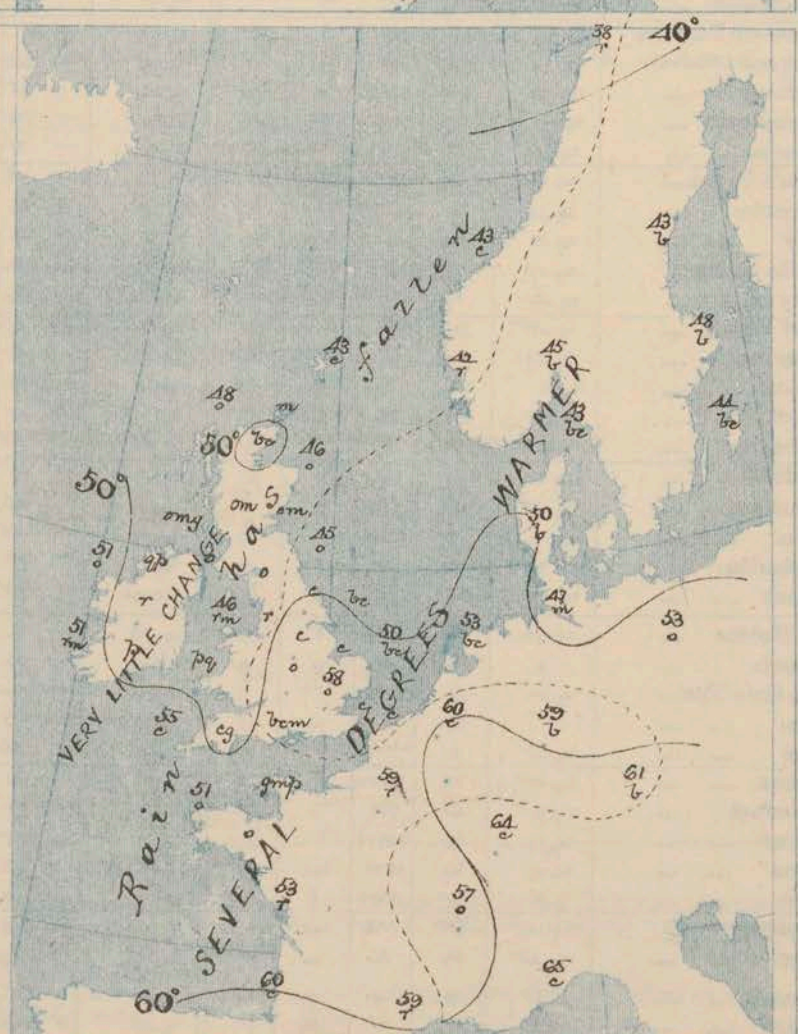
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of May.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	48.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.67
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	3.20
Donaghadee	55.9	43.6	49.5	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Scilly	56.3	48.2	52.7	50.9	1.66
Jersey	59.3	47.1	53.6	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	41.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 29.9 ins. and upwards over eastern Germany, the southern part of the Baltic and the southeast of France. Lowest 29.2 ins. and less in a depression lying off the southwest of Ireland. Gradients moderate over our west and southwest coasts but slight elsewhere. Barometer falling in the west and south of our Islands and the North of France, but rising in most other localities.
TEMPERATURE	Highest 65° at Nice, 64° at Belfort, 61° at Munich, 60° at Cambridge, Brussels and Biarritz, and 59° at Paris, Wiesbaden, Perpignan and Lisbon. Lowest 38° at Bodo, 42° at Skudesnaes, 43° at Hernösand, Christiansund, Hagen, and Lumburgh Head. Chiefly SE <sup>ly</sup> or S <sup>ly</sup> ; strong in the extreme west and southwest of our Islands, but light or moderate elsewhere.
WIND	Light or moderate from the SW <sup>wd</sup> over Scandinavia and also in the southwest of France. Rainy on our western coasts as well as at several of the French stations.
WEATHER	Fair or fine in most other parts of western Europe. Rain fell yesterday in the West and North generally, but the amounts were in most cases very slight.
SEA	Rough at Valencia and rather rough at Scilly, but moderate to smooth elsewhere.



## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow secondary disturbances which have appeared over France will probably advance over England, occasioning rain in most districts, with local thunderstorms.  
The depression in the west seems likely to move slowly northwards.

## FORECASTS

for the 24 hours ending at NOON on 17<sup>th</sup> May 1883.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	E <sup>ly</sup> winds, moderate or fresh; cloudy, some rain.	6 SCOTLAND WEST	SE <sup>ly</sup> winds, fresh or strong; unsettled, some rain.
7 SCOTLAND EAST	SE <sup>ly</sup> winds, light to fresh; unsettled, some rain, thunder locally.	7 ENGLAND N.W.	.....D.....D.....D.....
2 ENGLAND N.E.	.....D.....D.....D.....	8 ENGLAND S.W.	S <sup>ly</sup> to SW <sup>ly</sup> winds, strong; cloudy, some rain.
3 ENGLAND EAST	Same as N° 5.	9 IRELAND NORTH	SE <sup>ly</sup> to S <sup>ly</sup> strong winds or gales; unsettled, some rain.
4 MIDLAND COUNTIES	Same as N° 5.	10 IRELAND SOUTH	.....D.....D.....D.....
5 ENGLAND SOUTH	SE <sup>ly</sup> and S <sup>ly</sup> winds, moderate; cloudy, some rain, thunder locally.		The SOUTH CONE is still flying in districts 6, 9 and 10.
		WARNINGS	

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.65	49	43	WNW	2	3	Holyhead ...	29.57	51	47	SSW	4	4
Sumburgh Head ...	29.60	43	40	7	0	2	Valencia ...	29.38	52	49	S	7	6
Stornoway ...	29.48	47	46	S	3	3	Scilly ...	29.56	54	48	SSE	2	2
Aberdeen ...	29.55	46	44	S	4	2	Jersey ...	29.62	55	50	E	2	2
Shields ...	29.57	47	45	ESE	2	3	Dungeness ...	29.60	55	49	E	5	3
Ardrossan ...	29.50	49	47	S	3	3	London ...	29.65	59	52	ESE	2	*
Malin Head ...	29.38	49	48	SSE	4	2	Yarmouth ...	29.72	48	44	SSE	4	3
Mullaghmore ...	29.36	50	47	S	5	3	Rocheport ...	29.73	59	57	SSW	4	2
Belmullet ...	29.30	50	48	SSW	6	*							

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

The reports for yesterday morning showed that pressure varied from 30.1 ins. and more over the Black Sea and South of Russia, and from about 30.0 ins. over Italy to 29.3 ins. over the Gulf of Bothnia and North of Scandinavia, and to 29.4 ins. and less off the West of Ireland. The high pressure area which had prevailed recently over the Atlantic had disappeared entirely, and depressions were advancing to our extreme western coasts from the westward while a small shallow secondary system lay over Brittany. W. to SW. winds prevailed over Sweden, Germany and the Baltic, with cloudy and slightly showery weather, while over our Islands the wind had shifted to the SE<sup>wd</sup> and S<sup>wd</sup>, and was increasing in force at the western stations - with rain in places. Temperature had not changed much over our Islands, but had fallen in France and increased a little over Finland and northern Russia; it varied from between 60° and 70° in the countries bordering on the Mediterranean, to a little above 50° in the South of our Islands, and to rather below 40° over northern Europe. The highest individual values were 70° at Biskra (Algeria) 66° at Malta, Brindisi, Cagliari, Sanguinaire and Barcelona, 65° at Livourne, 61° at Perpignan and 60° at Bilbao; the lowest were 37° at Hango, 38° at Helsingfors and Wisby, 40° at Naapio and Christiansund, 41° at Uleaborg and Bodö, and 42° at Sumburgh H. and Stornoway.

Later in the day the S<sup>ly</sup> wind became still stronger in the west of our Islands, and the weather rather less settled over the United Kingdom generally, with a continuous fall of the barometer.

### 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> May* 1888.  
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETR.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)		SHADE TEMP.		Amount of Rainfall.
			Dir.	Force (0 to 12.)			Reading at 82° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)				Max.	Min.	
SCANDINAVIA.	Haparanda ..	29.94	39	2	0	6	30.06	+ 35	44	40	+ 1	2	0	6	*		57	30	
	Hernösand ...	29.94	46	S	2	6	30.03	+ 23	54	45	+ 6	SSE	2	0	*		50	36	
	Stockholm ...	29.97	45	S	4	6	30.02	+ 11	50	42	+ 6	SSE	4	6	*		55	37	
	Wisby ...	30.04	38	SW	2	0	29.96	+ 45	40	38	+ 2	SW	2	0	1		43	34	0.12
	Bodö ...	29.84	44	E	1	6	29.82	+ 09	45	40	+ 2	E	4	0	2		45	36	0.16
	Christiansund...	29.79	45	ESE	4	0	29.54	- 28	47	45	+ 5	SSE	6	0	5		42		
	Skudesnaes ...	29.91	45	SSW	2	0	29.75	- 07	44	44	- 1	ESE	4	7	8		46	43	0.68
	Christiania Fjord (Færd)	29.88	46	E	2	0	29.75	- 13	47	46	+ 4	S	4	0	3		50	41	0.16
	Skagen (The Scaw)	29.69	51	ESE	6	0	29.75	- 05	54	52	+ 4	SSW	4	0	*		61	48	0.08
	Fanö ...	29.64	44	E	3	0	29.30	- 37	42	41	- 1	NE	5	7	6		46	40	0.23
BRITISH ISLANDS.	Sumburgh Head	29.39	48	SE	6	0	29.18	- 33	47	47	- 1	SE	4	7	3		51	42	0.02
	Stornoway ..	29.51	44	ESE	5	0	29.26	- 34	45	45	- 2	E	2	7	3		52	42	0.65
	Wick ...	29.42	43	ESE	1	7	29.22	- 32	48	46	- 4	2	0	7	1		59	43	0.08
	Nairn ...	29.50	45	SE	3	7	29.26	- 34	49	48	+ 3	SW	4	6	3		51	43	0.30
	Aberdeen...	29.37	52	E	2	0	29.29	- 24	54	49	+ 5	WSW	3	0	*		56	44	0.10
	Leith ...	29.39	46	E	3	7	29.39	- 18	53	50	+ 8	S	3	0	2		53	44	0.07
	Shields ...	29.48	52	SSE	3	7	29.52	- 06	53	50	+ 4	SSW	5	0	3		54	48	0.23
	Spurn Head ...	29.44	55	SSE	1	7	29.46	- 10	55	50	+ 5	S	4	0	*		63	47	0.06
	York ...	29.46	56	S	2	0	29.50	- 06	53	51	+ 2	SSW	3	0	*		63	49	0.14
	Loughborough	29.33	51	SE	2	0 m	29.25	- 22	49	48	+ 1	S	4	0	3		51	48	0.32
GERMANY.	Ardrossan ...	29.25	47	SSE	3	0 m	29.13	- 24	49	48	+ 4	SSE	3	0 m	2		50	45	0.07
	Malin Head ...	29.18	50	ESE	5	0 m	29.10	- 23	51	48	+ 5	SSE	5	0	3		52	45	0.10
	Mullaghmore ...	29.12	52	E	5	0	29.08	- 19	49	48	- 2	S	4	0	*		53	45	0.26
	Belmullet ...	29.32	49	SSW	3	0	29.26	- 19	51	49	+ 4	SSW	5	0	3		52	45	0.10
	Donaghadee ...	29.34	54	NE	3	0	29.37	- 13	50	48	+ 2	SSE	5	0	*		55	47	0.23
	Barrow-in-Furness	29.38	54	SSE	2	0	29.41	- 09	53	48	+ 6	SSE	2	0	3		59	47	0.06
	Liverpool (Bidston)	29.33	53	SSE	4	0	29.35	- 11	51	49	+ 5	S	0	0 m	5		58	45	0.10
	Holyhead ...	29.16	54	SE	2	7	29.19	- 15	51	49	+ 3	S	2	0	*		57	45	0.12
	Parsonstown ...	29.10	52	SSW	4	0	29.19	- 00	53	50	+ 2	SSW	5	0	5		53	49	0.24
	Valencia ...	29.14	50	SSW	4	7	29.25	- 04	52	50	+ 4	SW	5	0	4		52	48	0.35
FRANCE & NETHERLANDS.	Roche's Point...	29.28	49	SSE	5	7	29.38	- 07	49	49	+ 2	S	4	0	4		52	47	0.08
	Pembroke ...	29.28	52	SW	7	0	29.37	+ 02	52	50	- 3	S	5	0	5		56	49	0.07
	Scilly ...	29.43	50	S	6	0	29.47	- 03	49	49	0	S	6	0	5		53	45	0.22
	Prawle Point ...	29.51	57	SSW	3	0	29.63	+ 01	54	53	+ 1	S	6	0 m	5		59	52	0.38
	Jersey ...	29.53	53	S	5	0	29.57	+ 01	51	51	+ 2	SSW	7	7	4		55	50	0.30
	Hurst Castle ...	29.57	50	WSW	3	0	29.67	+ 07	51	50	+ 4	ESE	6	7	4		55	48	0.29
	Dungeness ...	29.55	55	SSW	2	0	29.60	+ 02	54	53	- 4	SSW	4	7	*		63	50	0.76
	London ...	29.50	53	S	4	0	29.53	- 02	53	51	0	S	3	0	*		60	49	0.13
	Oxford ...	29.51	53	S	2	0	29.58	+ 02	54	54	- 6	S	1	7	*		66	49	0.17
	Cambridge ...	29.52	54	WSW	2	7	29.63	+ 01	52	51	+ 2	S	4	0	3		55	48	0.59
PENIN- SULA.	Yarmouth ...	29.77	53	ESE	1	0	29.84	+ 03	55	54	+ 8	SW	3	0	*		66	7	0.10
	Cuxhaven ...	29.82	66	SE	1	0	29.93	+ 06	66	58	+ 13	NW	2	0	*		73	?	
	Berlin ...	*	*	*	*	*	29.99	+ 18	64	58	+ 5	SW	3	0	*		75	57	
	Wiesbaden ...	29.88	63	SW	4	0	30.10	+ 19	61	54	0	NW	2	0	*		75	48	
	Munich ...	29.58	55	SSW	4	0	29.73	+ 03	58	54	+ 5	SSW	5	0	3		63	52	0.04
	The Helder ...	*	*	*	*	*	29.83	+ 14	64	57	+ 4	SSW	4	0	*		71	54	0.04
	Brussels ...	29.60	52	SW	3	0	29.66	+ 04	55	53	- 3	SSW	4	0	5		63	48	0.43
	Cape Gris Nez...	29.74	57	S	3	0	29.86	+ 16	59	55	0	SSW	4	0	*		65	53	0.16
	Paris ...	29.74	59	S	0	0	29.49	- 03	53	50	+ 2	S	12	7	1		57	48	0.83
	Brest ...	29.61	56	SSW	2	0	29.64	+ 05	55	54	0	S	8	7	6		59	52	0.35
PENIN- SULA.	Lorient ...	29.82	62	SSW	4	0	29.81	+ 09	59	57	+ 6	SE	7	0	3		66	52	0.16
	Rocheport ...	29.82	70	W	1	0	30.00	+ 11	67	59	+ 3	W	1	0	*		74	52	
	Belfort ...	29.84	63	SSE	3	7	29.97	+ 19	61	56	+ 4	SSE	3	0	*		72	53	
	Lyons ...	29.97	61	E	5	0	30.06	+ 16	60	55	- 5	ESE	3	0	2		68	54	0.08
	Nice ...	29.83	62	E	3	0	29.92	+ 18	64	61	+ 5	E	3	0	*		72	58	0.24
	Perpignan ...	29.75	72	W	4	0	29.83	+ 14	67	55	+ 7	S	5	0	2		73	60	
	Biarritz ...	*	*	*	*	*	29.86	- 03	60	56	+ 1	S	5	0	5		64	59	
	Corunna ...	29.92	60	SSW	7	0													
	Lisbon ...																		

For Explanation of Columns, see p. 4.

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



# WEATHER

# CHARTS

for 8 a.m. on

Thursday, 17<sup>th</sup> May,

1882.

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

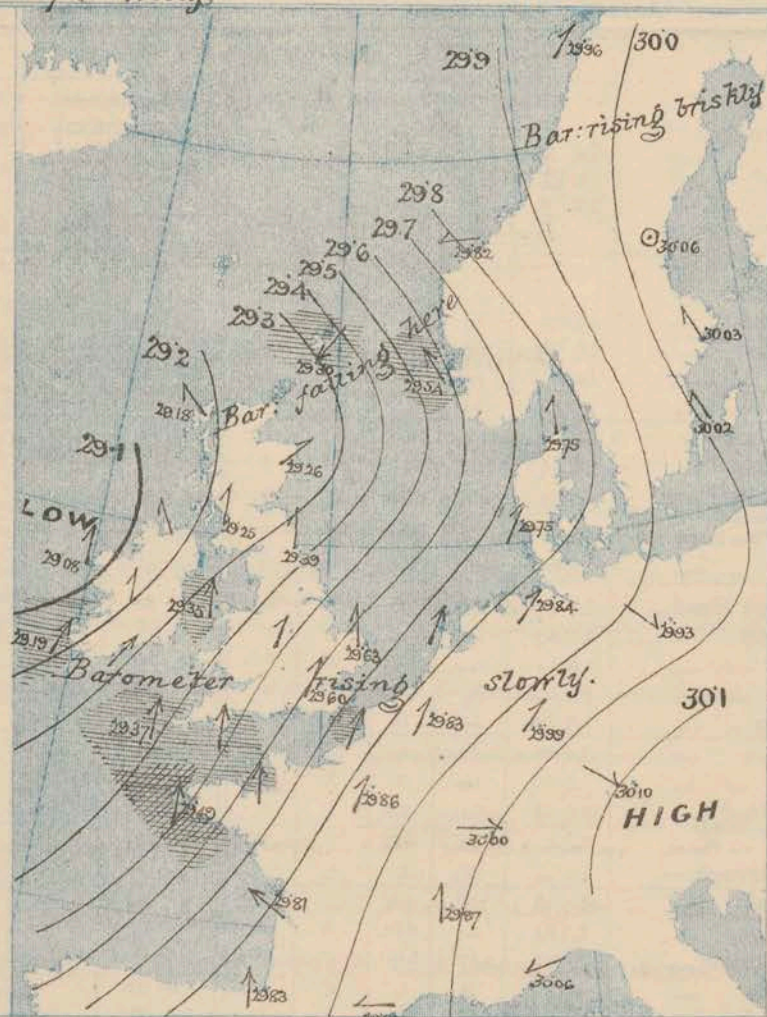
■ = Rough. ■ = High

## MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.878
Stornoway	29.893
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Scilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



## 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.

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

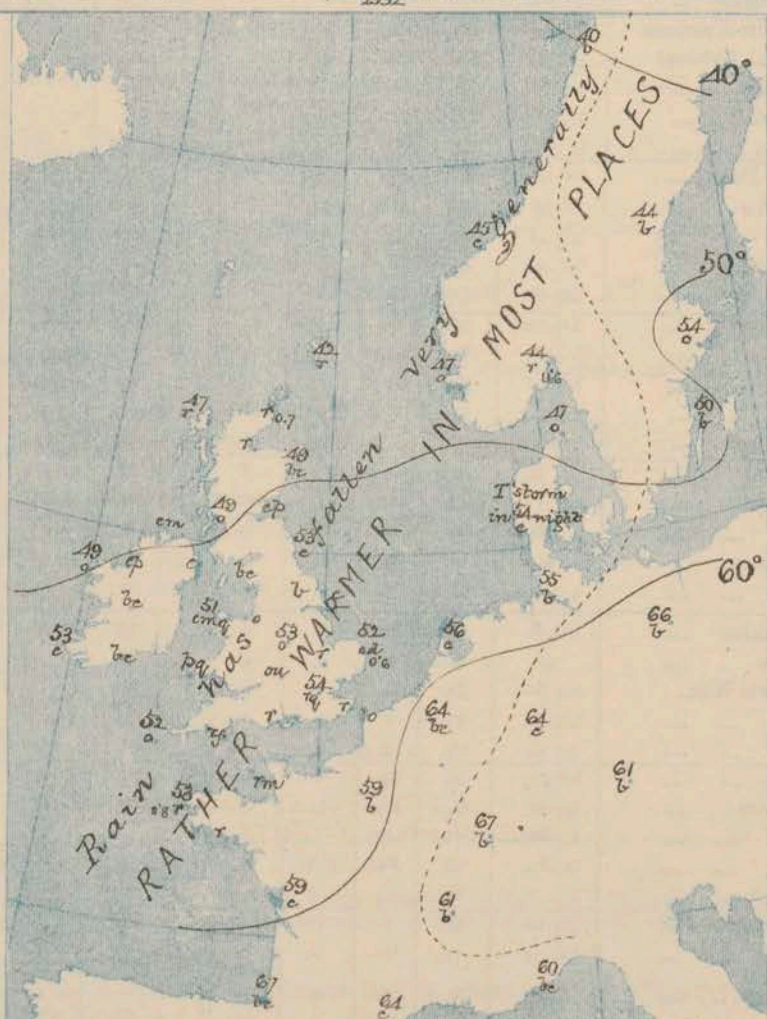
## MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of May

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min	at 8 a.m.		
			Dry	Wet.	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	48.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.67
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.6	49.5	47.3	2.15
Holyhead	56.0	48.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	40.0	49.9	47.4	1.97
Scilly	56.3	48.2	52.7	50.3	1.60
Jersey	59.3	47.1	53.5	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.10 in: at Munich; 30.0 in: and upwards over the whole of Northern and Central and the greater part of Southern Europe. Lowest, 29.1 in: and less, in a depression lying off the north coast of Ireland. Gradient rather steep over Western Europe generally. Barometer rising at all but our extreme northern stations.
TEMPERATURE	Highest, 67° at Belfast and Birmm, 66° at Berlin, 64° at Brussels, Wiesbaden and Perpignan, 61° at Munich and Lyons, and 60° at Nice and Lisbon. Lowest, 40° at Bodo, 42° at Lumburghhead, 44° at Humssund and Faeder, and 45° at Christiansund and Nisk.
WIND	Moderate to strong from SE. or E. over Scandinavia and the north of Scotland, as well as in the south of France. S. or SW. elsewhere; strong to a gale in force over the Channel and Bay of Biscay.
WEATHER	Rainy in the north of Scotland and the south of England and the north of France. Fair or fine in most other localities. Rain fell generally yesterday, the largest amounts being 0.8 in: at Rheut, 0.7 in: at Nisk, and 0.6 in: at Yarmouth.
SEA	High at Rheut, and rather rough on our southwest, south, and extreme northern coasts generally.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of the advance of any new depression and a temporary improvement in the weather is therefore probable over our southern districts.

Conditions are, however, likely to remain unsettled.

## FORECASTS

For the 24 hours ending at NOON on 18<sup>th</sup> May 1883.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	E. and SE. winds, moderate; rainy to fair	6 { SCOTLAND WEST	Same as No 1
1 { SCOTLAND EAST	S. and SW. winds, moderate or fresh; some showers, thunder locally.	7 { ENGLAND N. W.	Same as No 1
2 { ENGLAND N. E.	----- D° ----- D° ----- D° -----	8 { ENGLAND S. W.	S. and SW. winds, strong; squally, showery.
3 { ENGLAND EAST	----- D° ----- D° ----- D° -----	9 { IRELAND NORTH	S. and SW. winds, fresh; changeable, some showers.
4 { MIDLAND COUNTIES	Same as No 5	10 { IRELAND SOUTH	----- D° ----- D° ----- D° -----
5 { ENGLAND SOUTH	S. and SW. winds, strong; squally and showery to fair.	WARNINGS	The S. cone was hoisted last evening in district 8 and part of 5.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.86	45	41	SSE 2	0	3	Holyhead ...	29.38	57	53	S 4	bc	4
Sumburgh Head ...	29.69	45	43	E 3	0	4	Valencia ...	29.12	50	49	S 4	r	4
Stornoway ...	29.46	50	50	E 4	0	4	Scilly ...	29.32	53	52	S 6	r	5
Aberdeen ...	29.58	47	45	SE 3	0	2	Jersey ...	29.57	55	52	SSE 2	0	2
Shields ...	29.49	47	46	E 1	r	3	Dungeness ...	29.57	50	50	W 2	r	1
Ardrossan ...	29.43	48	47	ENE 2	r	1	London ...	29.57	55	54	SSE 3	or	*
Malin Head ...	29.34	47	45	SE 4	0	2	Yarmouth ...	29.58	54	52	SSE 3	e	3
Mullaghmore ...	29.28	48	46	ESE 4	omv	2	Rochefort ...	29.80	64	58	W 5	b	2
Belmullet ...	29.22	51	48	ESE 3	0	*							

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

The reports for yesterday morning showed that pressure varied from 30.1 ins: and more over the Black Sea, Turkey, Greece, and the eastern parts of the Mediterranean to 29.2 ins: and less, in a depression which lay off the west of Ireland, and to about 29.5 ins: in the extreme northwest of Norway. The gradients were steeper over our Islands than elsewhere. S<sup>W</sup> winds were prevalent over the whole of Western Europe and SE<sup>W</sup> in Germany, while over Finland and Northern Europe the wind was SW<sup>W</sup>. The weather was becoming cloudy and changeable, and rain had fallen at many of the western stations, local showers in the southeast, while thunderstorms had occurred over Algeria. Temperature varied from 60° and more over Southern and Central Europe, and 70° at some of the Mediterranean stations to rather below 40° over Northern Europe. The highest individual values were 72° at Palermo, 69° at Biskra (Algeria), 68° at Barcelona, 67° at Brindisi, 66° at Langunsais, 64° at Belfort, 62° at Budapesth and Breslau, 60° at Mureck and 55° in London; the lowest were 38° at Rods and Uleaborg and 39° at Bangs, but above 40° at the other northern stations, 42° at Skudesnaes, and 43° at Sumburgh Head and the Scaw.

Later in the day the wind increased from SW. at our southern stations, and from SE. in the north, and a great deal of rain fell.

### 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, 18<sup>th</sup> May* 1888.  
 Issued by the Meteorological Office, 116, Victoria Street, London. R.H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.				
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Weather.	Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	29.97	35	SE	2	b	29.93	- .14	37	37	- .4	SE	2	0	*	54	25	0.04	
	Hernösand ...	29.95	36	SE	0	0	29.89	- .17	42	41	- .2	SE	0	0	*	48	30	0.16	
	Stockholm ...	29.93	45	S	2	0	29.95	- .08	61	55	+ .7	S	2	0	*	?	39	-	
	Wisby ...	30.02	45	W	4	b	30.02	.00	65	57	+ .15	S	2	0	*	?	37	-	
	Bodö ...	29.80	47	NNE	2	b	29.71	- .25	45	44	+ .5	E	2	0	1	48	41	-	
	Christiansund...	29.59	49	SE	1	c	29.54	- .28	49	45	+ .4	E	1	0	1	54	43	0.04	
	Skudesnaes ...	29.66	46	SSE	4	0	29.74	+ .20	44	44	- .3	SSE	2	2	4	46	?	0.59	
	Christiania Fjord (Færd)	29.79	46	S	3	0	29.73	- .02	48	48	+ .4	S	6	1	5	?	?	0.75	
	Skagen (The Scaw)	29.82	48	S	1	0	29.82	+ .07	48	47	+ .1	SSW	3	0	2	52	46	0.20	
	Fanö ...	29.81	57	SE	3	c	29.90	+ .15	61	55	+ .7	S	3	0	*	61	52	-	
BRITISH ISLANDS.	Sumburgh Head	29.31	45	SSW	1	c	29.50	+ .20	50	48	+ .2	SSW	1	0	4	50	40	0.12	
	Stornoway ..	29.23	50	S	3	r	29.44	+ .26	51	51	+ .4	SW	4	0	3	53	44	0.24	
	Wick ...	29.24	51	S	3	bc	29.52	+ .26	54	50	+ .9	SW	3	0	2	54	44	0.06	
	Nairn ...	29.26	59	S	2	c	29.50	+ .28	55	50	+ .7	WSW	1	0	0	53	45	-	
	Aberdeen...	29.25	53	S	4	b	29.60	+ .34	50	48	+ .1	SSW	3	0	3	57	46	-	
	Leith ...	29.37	57	W	4	b	29.59	+ .30	55	50	+ .1	S	2	0	*	63	47	-	
	Shields ...	29.41	53	S	3	0	29.65	+ .26	53	51	0	SE	1	0	2	60	47	-	
	Spurn Head ...	29.52	56	SSW	5	r	29.72	+ .20	55	54	+ .2	SSW	4	0	3	56	49	0.13	
	York ...	29.47	56	S	2	r	29.67	+ .21	57	56	+ .2	S	2	0	*	60	51	0.16	
	Loughborough	29.50	56	S	4	0	29.71	+ .21	58	57	+ .5	SSW	3	0	*	58	53	0.20	
GERMANY.	Ardrossan ...	29.31	51	S	5	cp	29.56	+ .31	50	48	+ .1	S	3	0	3	52	47	0.11	
	Malin Head ...	29.24	50	WSW	1	0	29.45	+ .32	51	49	+ .2	SSE	2	0	1	54	47	0.15	
	Mullaghmore ...	29.22	56	S	3	bc/p	29.42	+ .31	53	49	+ .2	SE	3	0	2	59	50	0.07	
	Belmullet ...	29.19	54	SW	5	bc	29.37	+ .29	53	50	+ .4	SSE	3	0	*	55	48	-	
	Donaghadee ...	29.31	53	WSW	4	bc	29.54	+ .28	49	48	- .2	SSE	4	0	2	56	48	-	
	Barrow-in-Furness	29.41	53	S	3	c	29.60	+ .23	51	48	+ .1	E	3	0	op	54	47	0.03	
	Liverpool (Bidston)	29.44	54	SSE	1	0	29.60	+ .19	58	55	+ .5	SSE	4	0	3	59	50	-	
	Holyhead ...	29.42	49	SSW	5	o/p	29.55	+ .20	52	52	+ .1	S	5	0	q/p	56	48	0.07	
	Parsonstown ...	29.29	58	S	2	bc	29.39	+ .20	52	50	+ .1	SE	0	0	*	60	48	0.05	
	Valencia ...	29.28	54	SSW	6	om	29.36	+ .17	51	50	- .2	SE	4	0	f/m	56	49	0.04	
FRANCE & NETHERLANDS.	Roche's Point...	29.35	58	SSW	5	bc	29.36	+ .11	52	52	0	SSE	7	0	5	54	50	0.25	
	Pembroke ...	29.46	49	S	3	0	29.55	+ .17	52	51	+ .3	S	4	0	op	52	48	0.07	
	Scilly ...	29.48	53	SSW	4	0	29.50	+ .13	54	52	+ .2	SSE	6	0	6	57	49	0.17	
	Prawle Point ...	29.56	50	S	5	f	29.67	+ .20	51	51	+ .2	E	4	0	f	52	47	0.33	
	Jersey ...	29.71	58	SSW	6	o/p	29.71	+ .08	60	58	+ .6	ESE	4	0	cg/m	60	52	0.23	
	Hurst Castle ...	29.64	54	SSW	8	q/p	29.75	+ .18	54	54	+ .3	E	4	0	cp	57	49	0.62	
	Dungeness ...	29.67	53	SSW	4	c	29.79	+ .12	53	51	+ .2	SSW	2	0	2	57	50	0.10	
	London ...	29.65	58	SSW	5	o/p	29.78	+ .18	58	54	+ .4	S	1	0	*	61	54	0.16	
	Oxford ...	29.61	55	SSW	5	0	29.76	+ .23	56	55	+ .3	S	2	0	q/p	56	52	0.33	
	Cambridge ...	29.59	58	S	3	0	29.78	+ .20	60	58	+ .6	SSW	1	0	*	61	53	0.11	
PENIN-SULA.	Yarmouth ...	29.66	59	SSW	4	c	29.82	+ .19	52	51	0	SSW	3	0	3	61	50	0.05	
	Cuxhaven ...	29.89	61	S	1	m	29.93	+ .09	64	61	+ .9	S	1	0	*	70	?	-	
	Berlin ...	29.98	72	SSW	1	b	30.00	+ .07	69	61	+ .3	SSE	1	0	*	82	61	-	
	Wiesbaden ...	*	*	*	*	*	30.02	+ .03	65	59	+ .1	SE	0	0	*	79	55	-	
	Munich ...	30.03	63	E	2	b	30.06	- .04	65	56	+ .4	SE	0	0	*	75	50	-	
	The Helder ...	29.77	63	S	3	0	29.89	+ .16	59	55	+ .1	SSW	1	0	1	68	55	-	
	Brussels ...	*	*	*	*	*	29.88	+ .05	67	60	+ .3	SSE	1	0	*	76	61	-	
	Cape Gris Nez...	29.70	58	SSW	5	0	29.84	+ .18	59	56	+ .4	S	1	0	0	72	54	-	
	Paris ...	29.88	71	SW	3	bc	29.86	- .00	61	56	+ .2	S	1	0	*	76	57	-	
	Brest ...	29.64	54	S	9	r	29.61	+ .12	55	53	+ .2	ESE	5	0	4	57	50	0.55	



# WEATHER CHARTS

for 8 a.m. on

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

1883.

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(Explanation of Map)

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

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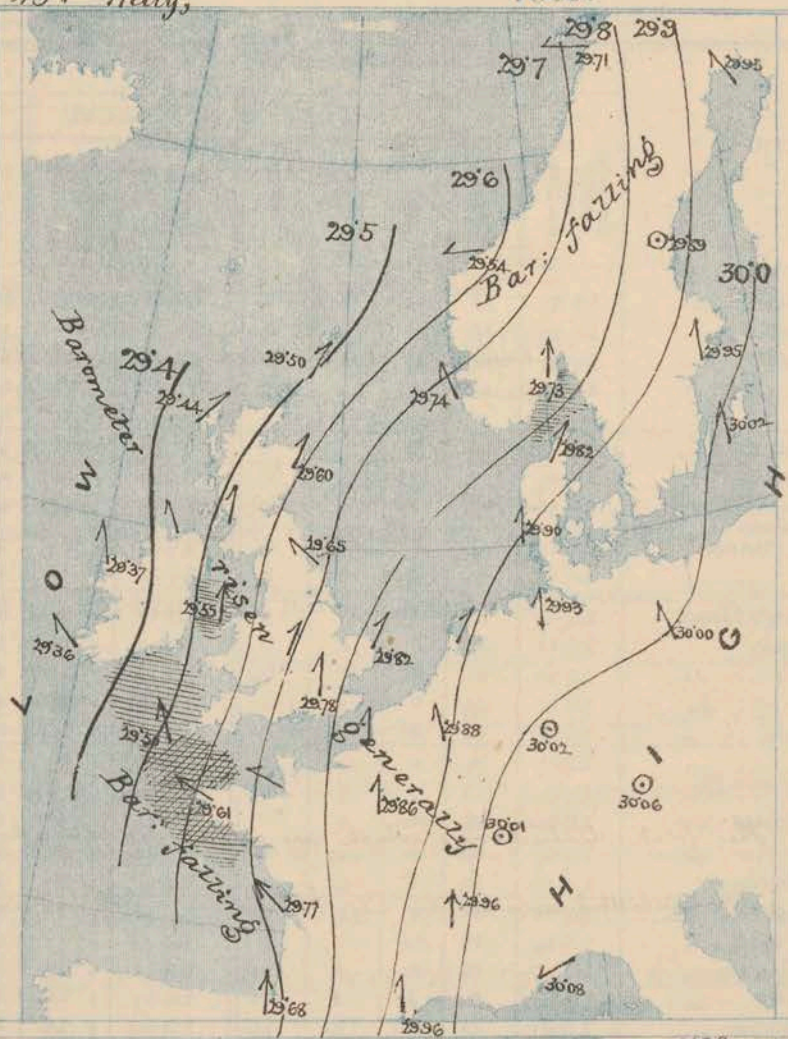
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at 8 a.m. for the month of May

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Pembroke	29.977
Silly	29.997
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## TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

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

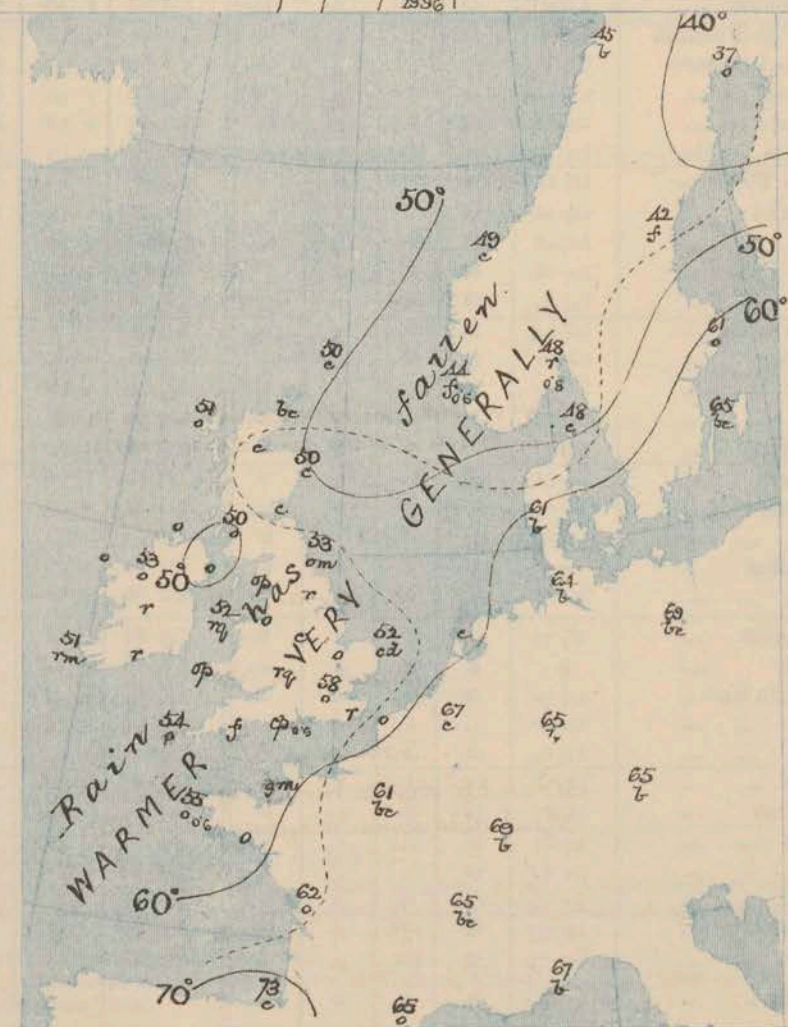
## MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of May.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min	at 5 a.m.		
			Dry	Wet	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	43.4	45.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.67
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.85
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.8	49.6	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.6	2.89
Roche's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Silly	58.3	43.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.6	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	58.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.72
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	44.8	50.5	46.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.0 ins: and upwards, over the Baltic, Germany and the southeast of France.  
 Lowest, 29.4 ins: and less, over the west and south of Ireland.  
 Gradients moderate. Barometer rising over the greater part of our Islands, but falling in Scandinavia and also in the west of France.

## TEMPERATURE

Highest, 73° at Bismarck, 69° at Berlin and Belfort, 67° at Brussels and Kiev, and 65° at Wiesbaden, Munich, Lyons and Perpignan.  
 Lowest, 37° at Haparanda, 42° at Helsingfors, 44° at Rindö, 45° at Rode, 46° at Faerden and Skagen, and 49° at Christiansund and Donaghadee.

## WIND

Chiefly S<sup>W</sup> or SE<sup>W</sup>, but SW<sup>W</sup> in the north of Scotland.  
 Strong in force on our south coast coasts, but light or moderate elsewhere.

## WEATHER

Fine in Denmark, Germany and the east of France, and fair in Scotland.  
 Cloudy or overcast elsewhere, with rain in many parts of England and Ireland.  
 Rain fell yesterday at all our western, southern and extreme northern stations and thunder was heard at Malin Head.

## SEA

High at Brest, rough at Lundy, rather rough at Fander, Holyhead, Rockport, and Fowey, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The fresh disturbances which are advancing from the southward will probably occasion a continuance of changeable unsettled weather in our Islands. Thunderstorms are not unlikely in some parts of Great Britain.

## FORECASTS

For the 24 hours ending at NOON on 19<sup>th</sup> May 1888.

### DISTRICTS.



### FORECASTS.

0	SCOTLAND NORTH	SW <sup>W</sup> winds, moderate, to SE <sup>W</sup> , fresh; fair to unsettled and some rain.
1	SCOTLAND EAST	----- D° ----- D° ----- D° -----
2	ENGLAND N.E.	Same as N° 5.
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	Same as N° 5.
5	ENGLAND SOUTH	SE <sup>W</sup> and S <sup>W</sup> winds, moderate or fresh; changeable, some rain, heavier locally.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	S <sup>W</sup> winds, light to fresh; dull, some rain.
7	ENGLAND N.W.	SE <sup>W</sup> and S <sup>W</sup> winds, strong; unsettled, some rain.
8	ENGLAND S.W.	----- D° ----- D° ----- D° -----
9	IRELAND NORTH	----- D° ----- D° ----- D° -----
10	IRELAND SOUTH	----- D° ----- D° ----- D° -----
WARNINGS		The south cone is still flying in district 8 and part of 5.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	29.62	46	46	SSW 6	0 f	5	Holyhead ...	29.38	56	52	SSW 6	6 c q	5
Sumburgh Head ...	29.25	49	45	SSW 1	c	6	Valencia ...	29.23	55	52	S 4	0	6
Stornoway ...	29.23	52	51	SE 14	0	3	Scilly ...	29.43	57	54	SSW 4	c	5
Aberdeen ...	29.34	55	51	S 5	6	3	Jersey ...	29.66	59	55	SSW 6	0	5
Shields ...	29.40	60	53	S 4	c	2	Dungeness ...	29.65	57	53	SSW 5	c	4
Ardrossan ...	29.30	52	49	S 4	c	4	London ...	29.64	60	58	S 5	o d	*
Malin Head ...	29.18	51	50	SW 3	c	2	Yarmouth ...	29.65	61	56	S 5	c q	4
Mullaghmore ...	29.17	59	51	SSW 5	c v	4	Rochefort ...	29.59	66	55	SSW 8	0	3
Belmullet ...	29.17	55	52	SSW 14	6 c	*							

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

The reports for yesterday morning showed that pressure was increasing slowly over Eastern and Southern Europe, the reading exceeding 30.1 in: over nearly the whole of Russia, and varying from 30.0 to 30.1 in: over Germany, Austria and the Eastern parts of the Mediterranean. From these regions pressure decreased in value to about 29.1 in: off the coast of Ireland, where there was a large and rather deep depression advancing northwards. S winds are consequently prevalent over the whole of Western Europe, blowing a gale on the shores of the Bay of Biscay and English Channel, and being accompanied by mild close showery weather generally, while over Central and Eastern Europe the wind was light and variable, and the weather fine and bright. Temperature at 8 am ranged from between 60° and 70° over Algeria, the Mediterranean, France and Germany, to about 40° over the extreme north of Europe. The highest individual values were 72° at Biskra (Algeria) 69° at Naples and Bilbao, 67° at Biarritz and Belfort, 66° at Berlin and Lissieux, 65° at Malta, 64° at Cagliari, Langueira, Perpignan and Brussels, 53° at Paris, and 54° in London; the lowest were 40° at Rodez, 41° at Uleaborg and Bangs, 42° at Limerick Head and 43° at St Petersburg.

During the day showery weather and S winds continued prevalent in the west, and temperature rose to very little above 60° in England and to 63° in Scotland; at Paris, however, it rose to 76°, Neubadentz and Berlin 82°. In London the night was very mild and humid.

### 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 19<sup>th</sup> May 1888.  
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.									PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.			Weather.	BAROMETER.		SHADE TEMP.			WIND.			Sea (0 to 9.)	SHADE TEMP.		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 ..	29.70	40	N	2	r	29.93	0.00	44	42	+ 7	N	4	0	*	30	0.28	
	Hernösand ...	29.93	50	NW	2	b	30.10	+ .27	51	46	+ 9	Z	0	0	*	59	36	—
	Stockholm ...	30.00	59	Z	0	c	30.13	+ .18	60	56	— 1	NE	4	0	*	73	43	—
	Wisby ...	30.08	62	SH	4	b	30.09	+ .07	62	57	— 3	ESE	2	bc	*	73	43	—
	Bodö ...	29.83	43	WSW	4	o	30.10	+ .39	41	37	— 4	W	2	bc	2	32	37	—
	Christiansund...	29.89	53	E	1	c	30.02	+ .48	53	48	+ 4	E	2	bc	2	54	43	—
	Skudesnaes ...	29.95	45	SSE	2	r	30.01	+ .27	57	53	+ 13	E	2	c	3	?	?	—
	Christiania Fjord (Fjorder)	30.00	46	S	2	r	30.11	+ .38	47	46	— 1	WNW	2	c	2	48	45	0.04
	Skagen (The Scaw)	30.00	50	Z	0	o	30.03	+ .21	50	49	+ 2	E	1	bc	1	61	46	—
	Fanö ...	29.95	61	NW	2	c	29.96	+ .06	62	59	+ 1	ENE	4	0	*	66	57	—
BRITISH ISLANDS.	Sumburgh Head	29.69	49	S	3	c	29.79	+ .29	50	49	0	SE	3	c	4	55	44	—
	Stornoway ...	29.52	50	NE	4	r	29.60	+ .16	54	54	+ 3	NE	3	c	3	54	47	0.20
	Wick ...	29.62	50	S	3	o	29.70	+ .18	50	49	— 4	S	3	mt	2	60	44	0.15
	Nairn ...	29.60	61	S	3	bc	29.64	+ .14	62	59	+ 9	SSE	1	bc	1	64	49	—
	Aberdeen...	29.67	50	S	1	o	29.75	+ .15	49	45	— 1	SE	1	c	2	68	47	0.11
	Leith ...	29.62	55	SSE	1	c	29.67	+ .08	53	51	— 2	NE	1	cl	*	66	51	0.06
	Shields ...	29.68	60	SSH	3	c	29.70	+ .05	57	49	— 2	E	1	c	2	66	46	—
	Spurn Head ...	29.75	54	SE	4	b	29.72	0.00	53	51	— 2	ESE	3	c	3	57	50	0.01
	York ...	29.72	66	S	3	b	29.70	+ .03	64	59	+ 7	S	1	bc	*	68	54	0.03
	Loughborough	29.69	70	SE	3	b	29.68	— .03	68	63	+ 10	SE	1	c	*	72	57	—
GERMANY.	Ardrossan ...	29.53	57	SE	2	o	29.59	+ .03	62	59	+ 12	E	3	clm	2	62	50	0.40
	Malin Head ...	29.36	58	SSE	4	om	29.49	+ .14	49	49	— 2	SE	3	om	1	59	48	0.13
	Mullaghmore ...	29.36	57	SSE	6	or	29.48	+ .16	53	52	0	ENE	4	cp	2	60	42	0.37
	Belmullet ...	29.37	50	WNW	2	o	29.50	+ .13	49	49	— 4	WNW	2	r	*	54	48	0.26
	Donaghadee ...	29.53	53	SSE	3	r	29.57	+ .03	53	52	+ 4	SSE	3	c	1	56	48	0.21
	Barrow-in-Furness	29.60	62	E	4	b	29.62	+ .02	61	58	+ 10	ESE	3	o	*	62	50	0.01
	Liverpool (Bidston)	29.60	67	ESE	3	c	29.61	+ .01	64	59	+ 6	ESE	3	o	3	68	58	0.01
	Holyhead ...	29.56	59	S	4	c	29.55	0.00	64	59	+ 12	ENE	1	c	2	67	52	0.02
	Parsonstown ...	29.43	57	SSE	2	o	29.47	+ .08	57	55	+ 5	Z	0	o	*	62	51	0.18
	Valencia ...	29.42	52	SSE	2	op	29.52	+ .16	50	49	— 1	Z	0	c	1	53	45	0.44
FRANCE & NETHERLANDS.	Roche's Point...	29.42	51	S	5	r	29.46	+ .10	52	52	— 2	N	1	r	4	52	49	0.55
	Pembroke ...	29.55	54	SSE	3	c	29.50	— .05	56	54	+ 4	ESE	3	c	2	57	51	—
	Scilly ...	29.48	55	SSE	4	om	29.47	— .03	54	53	0	SSH	2	of	4	58	42	0.01
	Prawle Point ...	29.61	57	SSE	3	bc	29.58	— .09	53	52	+ 2	SSE	4	c	4	59	49	—
	Jersey ...	29.64	64	SE	2	bcw	29.66	— .05	61	57	+ 1	SE	5	cg	4	67	55	0.25
	Hurst Castle ...	29.67	67	SSE	4	bc	29.66	— .09	59	57	+ 5	SSE	4	c	2	69	53	0.01
	Dungeness ...	29.73	55	E	3	bc	29.73	— .06	55	53	+ 2	S	3	bc	2	57	51	—
	London ...	29.72	74	SE	1	b	29.71	— .07	68	61	+ 10	SSE	2	o	*	75	58	—
	Oxford ...	29.70	67	SE	3	b	29.67	— .09	64	59	+ 8	SSE	3	o	*	72	56	0.02
	Cambridge ...	29.73	69	SSE	1	b	29.70	— .08	69	64	+ 9	SSE	1	o	*	72	56	—
PENIN. I. S. A.	Yarmouth ...	29.80	53	SSE	4	bc	29.75	— .07	53	52	+ 1	SSE	2	bc	2	55	50	0.02
	Cuxhaven ...	29.92	58	NE	2	c	29.92	— .01	60	58	— 4	ESE	2	m	*	71	49	—
	Berlin ...	29.95	78	ESE	1	b	29.93	— .07	72	62	+ 3	SE	4	b	*	88	64	—
	Wiesbaden ...	*	*	*	*	*	29.93	— .09	66	60	+ 1	S	1	c	*	82	57	—
	Munich ...	29.98	66	E	3	b	30.02	— .04	66	59	+ 1	E	1	b	*	79	52	—
	The Helder ...	29.86	60	E	2	c	29.84	— .05	68	63	+ 9	SSE	1	b	1	68	57	—
	Brussels ...	*	*	*	*	*	29.85	— .03	70	60	+ 3	S	4	b	*	82	62	—
	Cape Gris Nez...	29.76	75	S	1	bc	29.74	— .10	66	61	+ 7	S	4	c	1	81	69	—
	Paris ...	29.80	75	SE	3	bc	29.82	— .04	66	59	+ 5	S	1	bc	*	82	60	—
	Brest ...	29.86	59	SE	5	o	29.86	— .05	55	57	0	S	8	f	5	61	50	—



# WEATHER CHARTS

for 8 a.m. on

Saturday, 19<sup>th</sup> May

1882.

## 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.

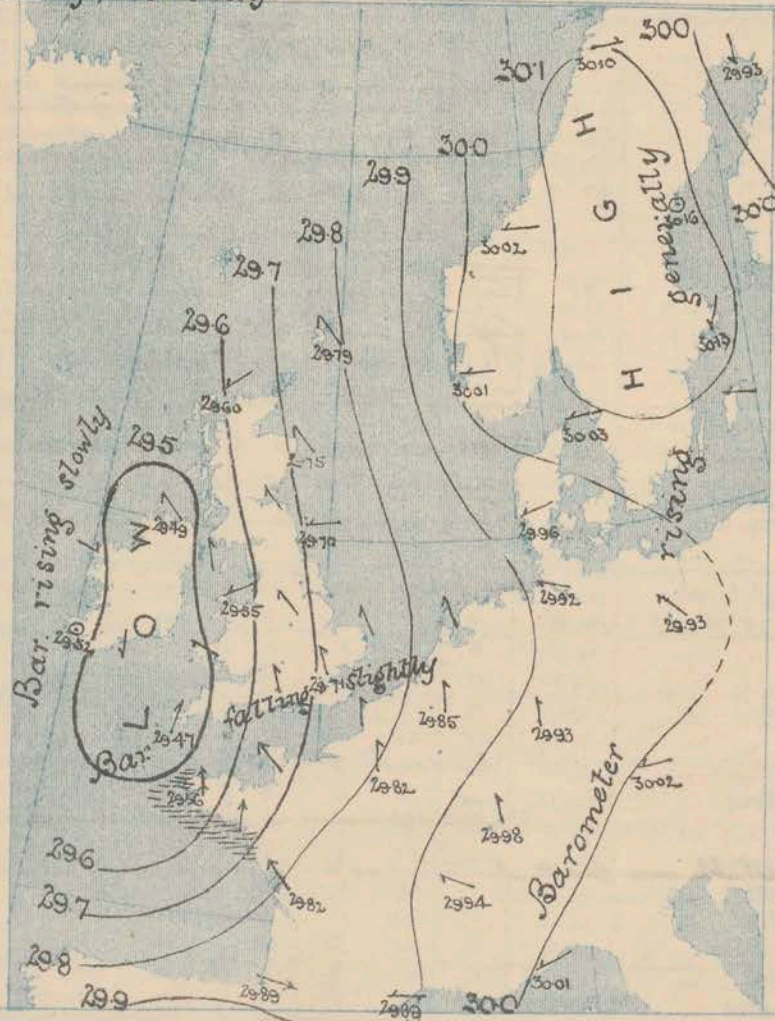
**Sea Disturbance** — where considerable is shown thus.

— Rough — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.878
Stornoway	29.893
Wick	29.908
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Scilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



## 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.

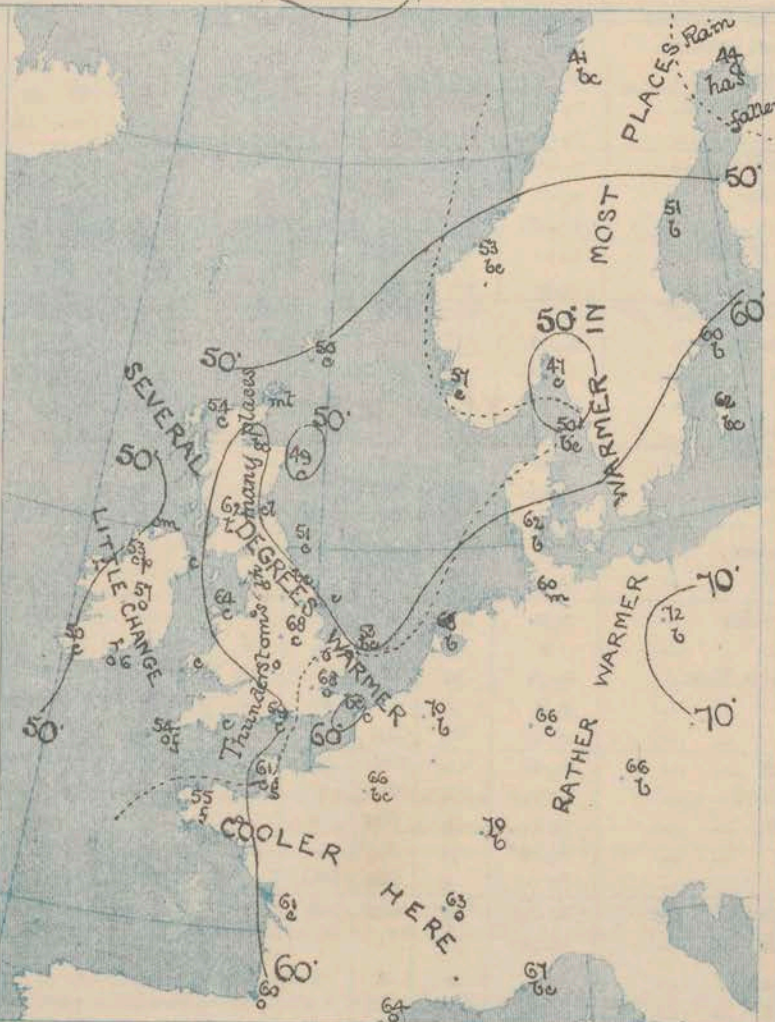
## MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of May

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	43.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.67
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.6	49.5	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Scilly	56.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.6	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.1 ins. and upwards in a large anticyclone lying over Scandinavia, 30.0 ins. and upwards over the southern part of the Siberian Peninsula. Lowest 29.5 ins. and less in an elongated depression lying over Ireland and our southwest coasts generally. Gradients moderate. Barometer falling a little over England, the Netherlands and North Germany, but rising elsewhere.
TEMPERATURE	Highest 72° at Berlin, 70° at Brussels and Belfast, 69° at Cambridge, 68° at Loughborough, London and the Meider, and 67° at Kiev. Lowest 41° at Berlin, 44° at Haparanda, 47° at Farsley, and 49° at Aberdeen, Malin Head and Belmullet. During yesterday the thermometer rose to 75° in London, to 82° at Brussels and Wiesbaden, and to 88° at Berlin.
WIND	Light N.W. in the west and south of Ireland; moderate S.W. or S.E. over Great Britain, the Netherlands and the east of France. Light E. on the eastern shores of the North Sea; strong to a gale from S. or S.W. over the Bay of Biscay.
WEATHER	Fine in Denmark, Germany, the Netherlands and the east of France. Cloudy elsewhere with showers in the north of Ireland, and thunder and lightning at some of the British stations. Thunder and lightning were observed last night in many parts of England.
SEA	Rather rough off the northwest of France and moderate on our southwest coasts, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the west is inclined to spread eastwards, and unsettled weather seems probable over Great Britain, with thunderstorms in many places.

## FORECASTS

for the 24 hours ending at NOON on 20<sup>th</sup> May 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SE <sup>ly</sup> winds, light or moderate; changeable, thunderstorms locally.	6 SCOTLAND WEST	Same as N <sup>os</sup> 0 to 2.
1 SCOTLAND EAST	-----D-----D-----D-----	7 ENGLAND N.W.	Same as N <sup>os</sup> 0 to 2.
2 ENGLAND N.E.	-----D-----D-----D-----	8 ENGLAND S.W.	Same as N <sup>os</sup> 3 to 5.
3 ENGLAND EAST	Same as N <sup>o</sup> 5.	9 IRELAND NORTH	Variable or N <sup>ly</sup> winds; changeable, some rain.
4 MIDLAND COUNTIES	Same as N <sup>o</sup> 5.	10 IRELAND SOUTH	-----D-----D-----D-----
5 ENGLAND SOUTH	S <sup>ly</sup> winds, light or moderate; cloudy generally, with local thunderstorms.	WARNINGS	NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.88	46	45	S	4	af	4	Holyhead ...	29.56	66	60	SSE	5	c	5
Sumburgh Head ...	29.65	53	50	SSW	2	c	4	Valencia ...	29.26	52	51	SW	3	rm	3
Stornoway ...	29.54	52	52	S	3	0	3	Scilly ...	29.49	57	55	SE	5	cm	6
Aberdeen ...	29.66	53	50	S	1	0	2	Jersey ...	29.65	65	60	SE	3	b	3
Shields ...	29.64	64	60	S	2	0	2	Dungeness ...	29.75	57	55	E	3	bc	2
Ardrossan ...	29.58	58	55	SE	2	r	1	London ...	29.73	70	63	ESE	3	c	*
Malin Head ...	29.41	49	49	SSE	3	om	2	Yarmouth ...	29.82	55	53	SSE	3	c	3
Mullaghmore ...	29.37	57	55	SE	6	r	4	Rocheport ...	29.76	77	67	SE	7	b	3
Belmullet ...	29.32	52	50	ESE	2	r	*								

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

The reports for yesterday morning showed an increase of pressure over Europe and the British Isles generally, so that the barometric readings varied from 30.3 ins. and more over Southern Russia to a little below 29.4 ins. over the west of Ireland. Gradients were slight over the Continent, but moderate in our Islands, S<sup>W</sup> and SE winds were prevalent over Western Europe, accompanied by close, cloudy, and rather showery weather, while varying S<sup>W</sup> airs and bright, warm, fine, ~~weather~~ weather were experienced over Germany, Austria, and Western Russia. Temperature was increasing in many places, and readings varied from 65° and more over the Mediterranean and the greater part of Central Europe to between 40° and 50° over Northern Europe. The highest individual values were 74° at Bistria, 72° at Algiers and Cagliari, 70° at Brindisi, 69° at Berlin, 68° at Calcutta and Naples, 66° at Swinemunde, 64° at Munster, Altsicht and Rome, 58° in London and 50° even in the Shetlands; the lowest were 37° at Haparanda, 42° at Uleaborg and Herisand, 45° at Bangs and 46° at Orö.

Later in the day temperature rose to between 70° and 75° over England and in Sweden, to 73° at Hamity and Rochefort, to 82° at Wiesbaden and to 88° at Berlin. Thunderstorms occurred in some localities and rain fell in the extreme west and north. A ~~sun~~ halo was seen in London at about 10 p.m. and the air was warm and close all night.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Sunday 20<sup>th</sup> May 1888.  
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETR.		SHADE TEMP.			WIND.		Sea. 0 to 9.)	SHADE TEMP.				
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Weather.	Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	30.24	40	Z	0	b	30.23	+ .80	44	39	0	N	4	c	*	54	37	—	
	Hernösand ...	30.20	46	Z	0	b	30.23	+ .07	46	45	—	5	NNE	4	c	*	63	37	—
	Stockholm ...	30.19	52	SSE	2	bc	30.20	+ .07	59	50	—	3	SE	2	b	*	68	52	—
	Wisby ...	30.20	52	E	2	b	30.16	+ .07	59	50	—	3	E	2	b	*	73	50	—
	Bodö ...	30.24	41	N	2	bc	30.28	+ .18	45	39	+ .44	ENE	2	b	1	45	37	—	
	Christiansund...	30.10	57	ENE	1	b	30.02	— .00	57	51	+ .44	E	3	b	1	57	50	—	
	Skudesnaes ...	30.06	56	N	3	b	30.07	— .04	53	50	+ .60	NNE	3	b	1	59	31	—	
	Christiania Fjord (Færdar)	29.97	55	ENE	1	bc	29.98	— .05	54	51	+ .44	E	1	c	1	63	50	—	
	Skagen (The Seaw)	29.88	65	SSE	3	c	29.94	— .02	63	60	+ .11	SSW	1	r	*	81	57	—	
	Fanö ...	29.88	65	SSE	3	c	29.94	— .02	63	60	+ .11	SSW	1	r	*	81	57	—	
BRITISH ISLANDS.	Sumburgh Head	29.79	48	E	3	o	29.79	— .00	50	49	0	E	1	c	4	51	45	0.01	
	Stornoway ..	29.62	63	S	3	c	29.80	+ .20	52	52	—	2	SW	3	c	3	64	47	0.11
	Wick ...	29.67	49	SE	5	o	29.81	+ .11	50	50	0	NW	2	r	2	54	45	0.05	
	Nairn ...	29.58	68	Z	0	c	29.82	+ .18	52	49	—	12	SW	2	a	1	78	46	0.05
	Aberdeen...	29.69	53	SE	1	bc	29.83	+ .08	54	53	+ .55	NW	2	c	1	58	46	0.02	
	Leith ...	29.59	57	E	3	c	29.90	+ .13	53	50	0	N	4	c	*	60	48	0.16	
	Shields ...	29.61	54	E	2	c	29.92	+ .22	53	50	+ .22	SW	3	c	2	58	49	—	
	Spurn Head ...	29.67	57	SSE	4	bc	30.01	+ .29	55	52	+ .22	N	5	b	2	60	50	0.03	
	York ...	29.64	72	S	2	bc	30.02	+ .32	56	51	—	8	W	3	bc	*	78	49	0.04
	Loughborough	29.66	72	S	3	c	30.08	+ .40	56	51	—	12	WNW	4	b	*	76	48	—
GERMANY.	Ardrossan ...	29.56	56	SW	2	o	29.94	+ .35	50	48	—	12	SSW	3	b	2	70	47	0.01
	Malin Head ...	29.45	50	WSW	5	o	29.87	+ .38	50	48	+ .11	SSW	3	b	2	65	44	0.01	
	Mullaghmore ...	29.58	48	WSW	5	r	29.92	+ .44	51	49	—	2	SW	4	c	2	59	43	0.21
	Belmullet ...	29.59	50	WSW	2	c	29.94	+ .44	53	51	+ .44	WSW	2	b	*	53	47	0.43	
	Donaghadee ...	29.55	57	SSE	3	c	29.94	+ .37	53	50	0	SW	3	bc	1	65	42	—	
	Barrow-in-Furness	29.63	58	NW	3	o	30.02	+ .40	51	50	—	10	SSW	4	b	*	73	48	0.01
	Liverpool (Bidston)	29.60	61	S	4	o	30.03	+ .42	54	50	—	10	SW	3	c	2	79	48	—
	Holyhead ...	29.62	57	SSW	4	om	30.02	+ .47	51	49	—	13	SSW	4	bc	3	72	46	0.01
	Parsonstown ...	29.65	57	Z	0	c	29.99	+ .52	53	49	—	4	SW	1	bc	*	59	44	0.16
	Valencia ...	29.69	54	SSW	5	bc	30.05	+ .53	53	52	+ .55	SW	2	bc	3	58	47	0.01	
FRANCE & NET. ISLANDS.	Roche's Point...	29.68	55	WSW	4	b	30.07	+ .61	54	52	+ .22	WSW	3	b	4	56	48	0.25	
	Pembroke ...	29.73	49	SW	4	bc	30.09	+ .59	50	50	—	6	SSW	3	b	3	54	48	—
	Scill' ...	29.82	55	WSW	5	bc	30.15	+ .68	56	53	+ .68	SW	4	bc	4	56	48	0.02	
	Praeger Point ...	29.83	50	WSW	4	c	30.19	+ .61	51	50	—	2	WSW	4	b	3	54	45	—
	Jersey ...	29.89	53	W	5	c	30.25	+ .59	53	51	—	8	WSW	4	bc	3	64	48	—
	Hurst Castle ...	29.79	51	WSW	6	om	30.20	+ .54	53	51	—	6	WSW	4	b	3	63	48	—
	Dungeness ...	29.74	55	W	5	lcr	30.14	+ .41	57	50	—	4	W	5	bc	4	64	48	0.26
	London ...	29.76	60	SSW	3	c	30.16	+ .45	56	50	—	12	SW	2	*	*	76	47	—
	Oxford ...	29.79	54	WSW	4	o	30.15	+ .48	54	50	—	10	W	3	b	*	74	44	—
	Cambridge ...	29.72	67	SSE	1	o	30.13	+ .42	55	50	—	14	WSW	3	bc	*	77	47	0.01
GERMANY.	Yarmouth ...	29.76	58	S	1	b	30.08	+ .33	58	52	+ .55	W	4	b	1	59	52	0.01	
	Cuxhaven ...	29.89	64	SW	3	bc	29.98	+ .06	65	64	+ .55	SW	3	r	*	75	?	0.10	
	Berlin ...	29.88	78	SSE	3	bc	29.97	+ .04	70	62	—	2	NW	3	bc	*	90	63	—
	Wiesbaden ...	*	*	*	*	*	30.15	+ .22	64	60	—	2	NW	3	c	*	82	61	—
	Munich ...	29.97	65	SE	2	b	30.15	+ .13	62	56	—	4	SW	5	c	*	82	55	—
	The Helder ...	29.81	66	E	1	b	30.04	+ .20	53	51	—	15	SW	3	c	3	76	52	0.32
	Brussels ...	*	*	*	*	*	30.18	+ .33	56	57	—	14	WSW	4	c	*	84	56	—
	Cape Gris Nez...	29.76	56	W	4	b	30.15	+ .41	47	47	—	19	W	5	f	4	75	46	0.20
	Paris ...	29.86	62	SW	3	o	?	?	57	57	—	9	WNW	3	b	*	78	52	0.32
	Brest ...	29.53	54	SW	5	o	30.26	+ .70	53	52	—	2	WSW	4	b	5	61	50	—
FRANCE & NET. ISLANDS.	Lorient ...	29.97	57	W	5	bc	30.24	+ .62	55	53	0	SW	3	bc	4	64	52	—	
	Rochefort ...	30.09	59	WNW	5	c	30.30	+ .48	57	56	—	4	SW	1	b	2	75	46	0.08
	Belfort ...	29.92	78	S	1	bc	30.24	+ .26	56	52	—	11	SW	3	c	*	85	52	0.02
	Lyons ...	29.96	64	W	1	c	30.24	+ .32	53	51	—	10	NNW	1	o	*	75	52	0.04
	Nice ...	30.01	69	ESE	3	c	30.09	+ .08	66	59	—	1	ENE	1	b	2	75	59	—
	Perpignan ...	30.01	63	NW	3	o	30.19	+ .30	61	54	—	3	NW	4	bc	*	72	52	0.08
	Biarritz ...	30.10	63	W	4	c	30.25	+ .36	58	54	—	2	Z	0	b	2	6	54	—
	Corunna ...	*	*	*	*	*	30.24	+ .32	62	57	+ .55	WSW	1	b	5	63	1.5	—	
	Lisbon ...	30.10	57	NW	5	bc	30.13	+ .09	58	51	0	NNE	5	b	2	64	52	—	
	PORTUGAL.																		



# WEATHER

# CHARTS

for 8 a.m. on

Sunday, 20<sup>th</sup> May.

1883.

## 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.

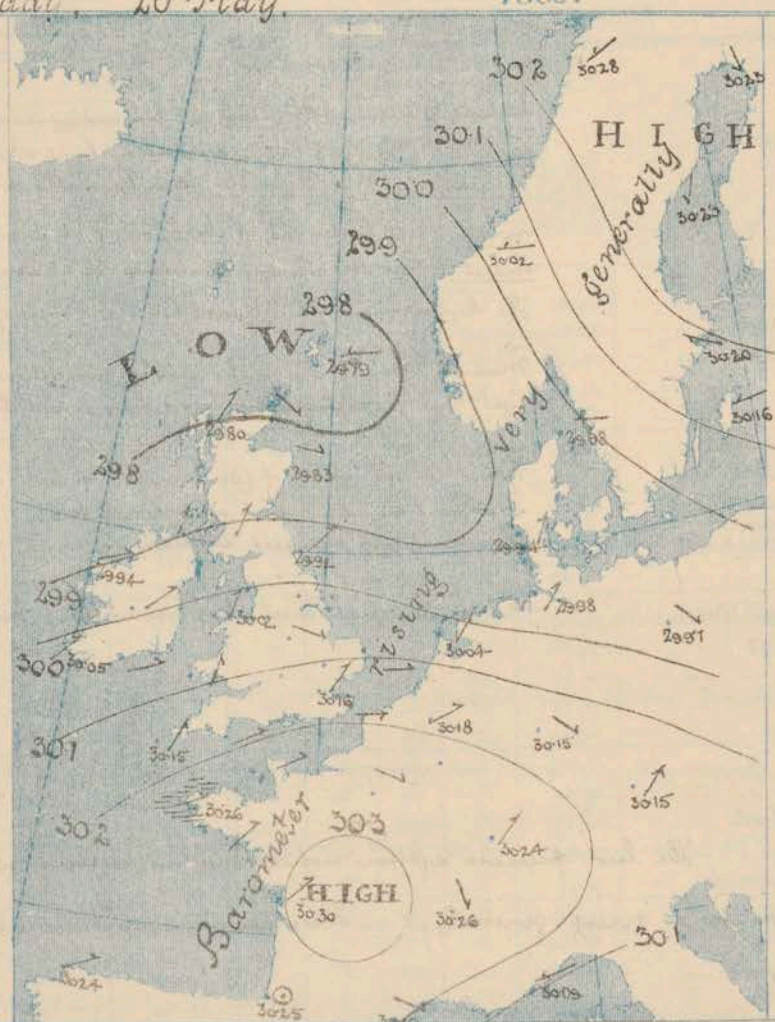
**Sea Disturbance** — where considerable is shown thus.

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.878
Stornoway	29.893
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Scilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



## 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.

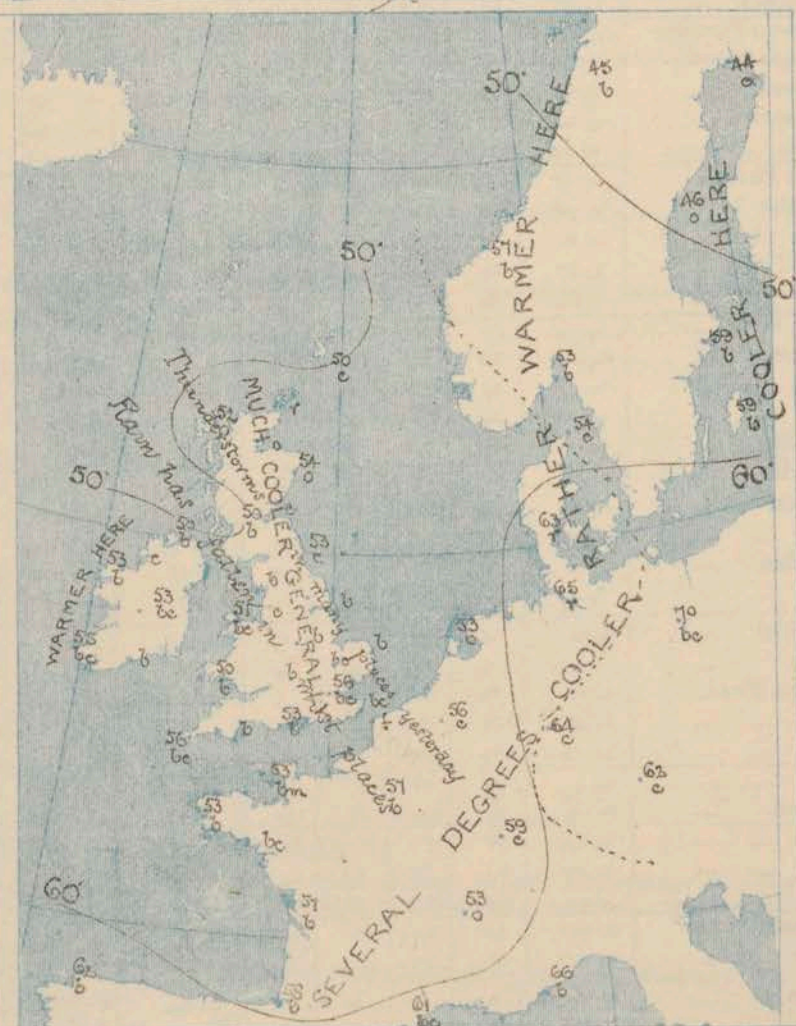
## MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of May.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	43.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.67
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.6	49.5	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Scilly	56.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.5	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.30 in.: at Rochefort, 30.2 in.: and upwards over France and the Bay of Biscay and also over Sweden and the north of Norway.  
Lowest, 29.8 in.: and less, in a depression lying over the Gulf of Scotland.  
Gradients slight. Barometer rising generally, most over Ireland, England and France.

## TEMPERATURE

Highest, 70° at Berlin, 66° at Kiev, 65° at Copenhage, 64° at Wiesbaden, 63° at Lima, and 62° at Munich and Courmou.  
Lowest 44° at Haparanda, 45° at Rode, 46° at Helsingfors, and 50° at Stockholm, H. Wick, Odenham, Malin Head, Lumbrook, and Bawdley.  
The highest maxima registered yesterday were 90° at Berlin, 85° at Belfast, 84° at Kassel, 82° at Wiesbaden and Munich. In London the maximum was 76°.

## WIND

Moderate SW<sup>3</sup> over the greater part of our Islands, the Netherlands and the north of France.  
Light from the eastward over Scandinavia and the extreme south of France.

## WEATHER

Rainy in the south of Denmark and dull in the north and east of Scotland.  
Fair or fine in most other localities.  
Thunderstorms occurred yesterday in many parts of Western Europe.

## SEA

Rather rough at Brest, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure system noticed over our western coast yesterday has travelled away in a northerly direction and the barometer is rising generally. There are at present no indications of the advance of any new disturbance.

## FORECASTS

for the 24 hours ending at NOON on 21<sup>st</sup> May 1888.

### DISTRICTS.

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

### FORECASTS.

NONE ISSUED

### DISTRICTS.



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

### WARNINGS

### FORECASTS.

NONE ISSUED.

NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.99	70	57	E 5	bc	3	Holyhead ...	29.55	65	59	SSW 3	bc	2
Stamburgh Head ...	29.82	50	49	SE 4	o	5	Valencia ...	29.62	56	52	WSW 3	cm	4
Stornoway ...	29.57	64	64	S 3	c	3	Scilly ...	29.70	55	53	WSW 5	bc	4
Aberdeen ...	29.73	54	51	SE 1	bc	2	Jersey ...	29.79	58	54	SW 5	o	4
Shields ...	29.67	52	49	E 2	c	2	Dungeness ...	29.70	60	56	SW 1	bc	1
Ardrossan ...	29.52	66	64	SE 3	c	2	London ...	29.71	72	63	ESE 3	c	*
Malin Head ...	29.48	55	53	NNE 1	o	1	Yarmouth ...	29.76	55	53	SSE 3	bc	2
Mullaghmore ...	29.48	50	49	W 3	or	2	Rochefort ...	29.98	57	54	W 7	r	2
Belmullet ...	29.55	49	48	WSW 5	r	*							

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

The reports for yesterday morning showed that pressure was highest, 30.1 ins. and upwards, in a large area lying over Austria, Poland and the southern and central parts of Russia, and also in a smaller area lying over Sweden. The lowest reading, 29.5 ins. and less, were found in an elongated depression lying over and to the southward of Iceland. The wind varied between S. and E. over the greater part of Western Europe, but in Spain and the southwest of France it was chiefly SW, in Italy light and variable and over Northern Russia W. The weather was fair on the whole but rain was falling in the north of Iceland as well as at one or two of the Finnish stations, and thunderstorms were reported in Scotland. Temperature had fallen a few degrees over Southern Europe, but risen in most other portions of the Continent; readings ranged from 70° and upwards at several of the more central and southern stations to 45° or less over the northern parts of Scandinavia and Russia. The highest individual readings were 75° at Utrecht, 74° at La Caille, 73° at Hamburg and Toulon, 72° at Berlin, Carlsruhe and Cagliari, and 71° at Neufahrwasser and Riga; the lowest were 37° at Uleaborg, 41° at Rodö and Kispic, 42° at Haparanda, 47° at Hango and Pärnu, 48° at St. Petersburg and 49° at Aberdeen. In the course of the day the elongated depression over our western coasts moved northwards and the wind veered to W. over all the more western and southern parts of our Islands. The latter change was followed by a sudden and considerable fall of temperature and thunderstorms occurred in many parts of Western Europe.

### 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 9 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> May 1888.

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

		† YESTERDAY EVENING.					6 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.			
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	30.31	38	N	2	b	30.47	+ 2.4	42	38	- 2	N	4	b	*	48	34		
	Hernösand ...	30.29	41	NE	2	b	30.53	+ 3.0	44	40	- 2	NE	4	b	*	50	41		
	Stockholm ...	30.10	55	E	0	c	30.34	+ 1.4	47	89	- 12	NE	6	0	*	73	45		
	Wisby ...	30.10	57	E	4	c	30.23	+ 0.7	53	47	- 6	E	4	0	*	68	45		
	Bodö ...	30.29	46	ESE	2	b	30.40	+ 1.2	48	42	+ 3	ESE	5	b	3	48	41		
	Christiansund...	30.02	59	NE	2	b	30.20	+ 1.8	55	51	- 4	NNE	1	b	1	66	48		
	Skudesnaes ...	30.06	54	NNW	2	c	30.20		55	52		NNW	3	0	2	61	54		
	Christiania Fjord (Furder)	30.01	63	ESE	3	c	30.25	+ 1.8	51	48	- 2	ESE	3	0	1	64	50	0.24	
	Skagen (The Scaw)	30.02	53	NW	1	0	30.19	+ 2.1	50	50	- 4	N	0	0	0	68	46	0.04	
	Fanö ...	30.06	48	W	4	0	30.21	+ 2.7	47	46	- 16	W	4	0	*	66	45		
BRITISH ISLANDS.	Sumburgh Head	30.00	48	NW	3	0	30.34	+ 5.5	47	44	- 3	NSW	1	b	3	57	42	0.10	
	Stornoway ...	30.06	55	W	4	bc	30.36	+ 5.6	51	50	- 1	S	4	b	3	58	40		
	Wick ...	30.07	52	N	2	bc	30.42	+ 6.1	54	51	+ 4	SW	2	b	1	58	38	0.13	
	Nairn ...	30.14	59	NSW	2	b	30.40	+ 5.8	53	49	+ 1	WNW	1	b	1	63	37		
	Aberdeen...	30.14	54	SE	1	b	30.42	+ 5.9	56	52	+ 2	SE	1	b	1	60	40	0.02	
	Leith ...	30.14	58	W	2	b	30.41	+ 5.1	61	53	+ 8	N	1	b	*	63	42		
	Shields ...	30.14	61	W	2	bc	30.40	+ 4.8	57	52	+ 4	NW	1	b	2	65	44		
	Spurn Head ...	30.20	59	W	2	bc	30.41	+ 4.0	57	52	+ 2	N	3	b	2	62	48		
	York ...	30.21	61	W	3	b	30.43	+ 4.1	56	52	0	NNW	1	b	*	65	43		
	Loughborough	30.24	64	W	2	c	30.44	+ 3.6	60	55	+ 4	N	1	bm	*	66	41		
GERMANY.	Ardrossan ...	30.16	56	NSW	2	b	30.41	+ 4.7	55	51	+ 5	S	1	bm	1	58	45		
	Malin Head ...	30.15	55	NW	1	b	30.34	+ 4.7	56	52	+ 6	S	2	b	0	56	49		
	Mullaghmore ...	30.16	57	N	0	bc	30.33	+ 4.1	57	52	+ 6	E	1	bc	2	59	49		
	Balmulloch ...	30.15	55	SSW	2	bc	30.31	+ 3.7	58	52	+ 5	SSW	5	bc	*	58	50		
	Douglashead ...	30.11	56	ESE	3	b	30.42	+ 4.8	55	53	+ 2	SE	2	b	1	66	45		
	Barrow-in-Furness	30.19	55	S	4	b	30.43	+ 4.1	52	50	+ 1	S	2	bc	*	56	47		
	Liverpool (Bidston)	30.25	57	W	3	b	30.45	+ 4.2	58	51	+ 4	SE	1	c	2	61	45		
	Holyhead ...	30.23	53	SSW	4	b	30.44	+ 4.2	51	50	0	SSW	3	c	2	56	46		
	Parsonstown ...	30.17	65	N	0	c	30.37	+ 3.8	54	51	+ 1	SE	2	bc	*	65	46		
	Valencia ...	30.20	55	SE	5	om	30.34	+ 2.9	55	52	0	SE	5	c	5	58	51		
FRANCE & NETHERLANDS.	Roche's Point...	30.24	54	SW	3	c	30.41	+ 3.4	52	50	- 2	SSW	3	0	3	55	49		
	Pembroke ...	30.30	57	SSW	3	b	30.46	+ 3.7	48	48	- 2	S	2	b	2	54	46	0.01	
	Scilly ...	30.08	56	SSW	2	bc	30.41	+ 2.6	54	53	- 2	SE	3	b	2	59	48	0.01	
	Prawle Point ...	30.03	53	W	3	b	30.46	+ 2.7	54	52	+ 3	E	2	bc	1	54	45		
	Jersey ...	30.35	58	NE	2	b	30.44	+ 1.9	57	53	+ 4	NNW	2	cm	2	62	43		
	Hurst Castle ...	30.32	53	NSW	5	b	30.44	+ 2.4	51	50	- 2	NNE	1	cm	1	59	43		
	Dungeness ...	30.26	51	W	5	m	30.39	+ 2.5	58	53	+ 7	NW	2	bc	1	58	43		
	London ...	30.28	64	W	2	b	30.42	+ 2.6	58	52	+ 2	E	1	cm	*	66	45		
	Oxford ...	30.33	56	W	2	b	30.45	+ 3.0	53	50	- 1	NW	1	c	*	64	43		
	Cambridge ...	30.28	58	N	0	bc	30.42	+ 2.9	59	54	+ 4	N	1	b	*	65	43		
PENINSULAR.	Yarmouth ...	30.22	58	SE	2	b	30.38	+ 3.0	57	53	- 1	N	1	b	2	65	49		
	Cuxhaven ...	30.22	53	WNW	5	c	30.27	+ 2.9	51	50	- 14	WNW	5	0	*	5	50	0.04	
	Berlin ...	30.14	65	W	3	0	30.23	+ 2.6	55	52	- 15	NW	3	0	*	62	54	0.20	
	Wiesbaden ...	*	*	*	*	*	30.36	+ 2.1	56	48	- 8	NE	3	b	*	70	46		
	Munich ...	30.25	60	NW	2	0	30.29	+ 1.4	54	53	- 8	NW	1	0	*	68	54	0.04	
	The Helder ...	30.27	53	NSW	1	b	30.35	+ 3.1	54	50	+ 1	NNW	1	b	1	59	50		
	Brussels ...	*	*	*	*	*	30.39	+ 2.1	55	51	- 1	W	1	b	*	67	49		
	Cape Gris Nez...	30.29	49	NSW	4	bc	30.38	+ 2.3	53	52	+ 6	N	0	b	0	55	46		
	Paris ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Brest ...	30.39	59	SW	3	b	30.41	+ 1.5	53	50	0	ESE	4	b	2	63	48		
PENINSULAR.	Lorient ...	30.34	59	W	3	b	30.38	+ 1.4	52	49	- 3	E	5	b	2	61	50		
	Rochefort ...	30.36	62	WNW	4	b	30.40	+ 1.0	52	54	+ 1	NE	4	b	2	62	48		
	Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	Lyons ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	Nice ...	30.10	68	NSW	4	b	30.02	- 0.7	66	60	0	ESE	1	bc	1	75	57		
PENINSULAR.	Perpignan ...	30.19	69	NW	5	b	30.21	+ 0.2	64	54	+ 3	N	4	b	*	75	55		
	Biarritz ...	30.27	63	NE	5	b	30.30	+ 0.5	57	52	- 1	E	5	b	2	66	52		
PENINSULAR.	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	Lisbon ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		

For Explanation of Columns, see p. 4.

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



# WEATHER

# CHARTS

for 8 a.m. on

Monday, 21<sup>st</sup> May,

1883.

## 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.

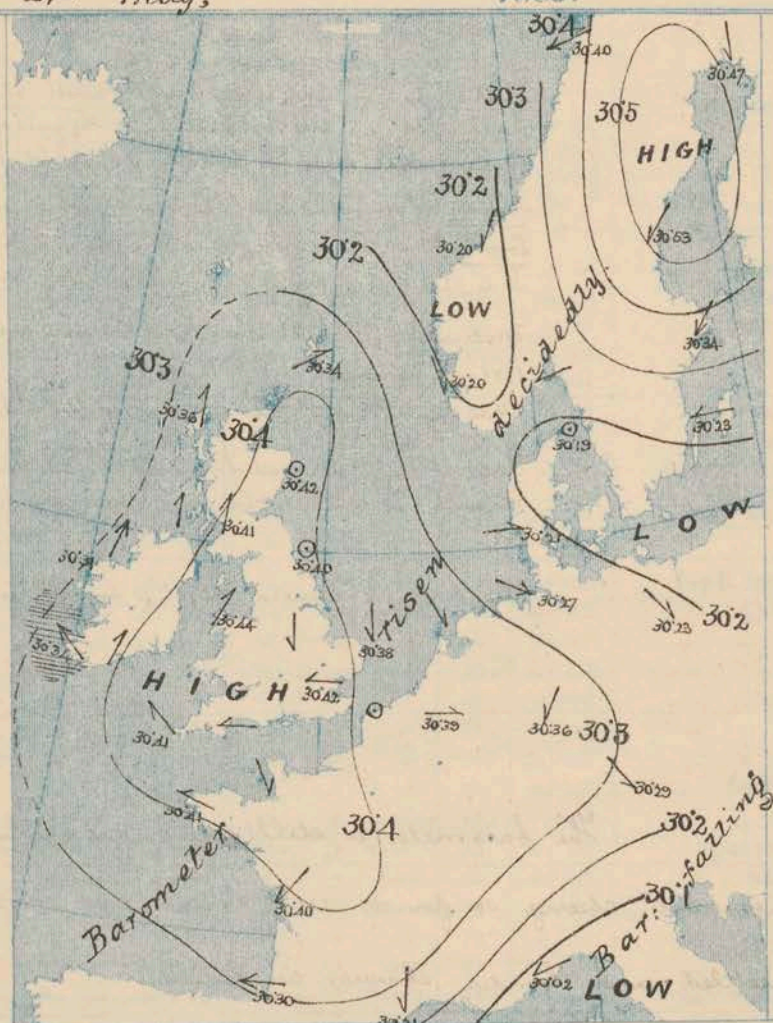
**Sea Disturbance** — where considerable is shown thus.

— Rough — High

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.878
Stornoway	29.893
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrassan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Silly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



## 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.

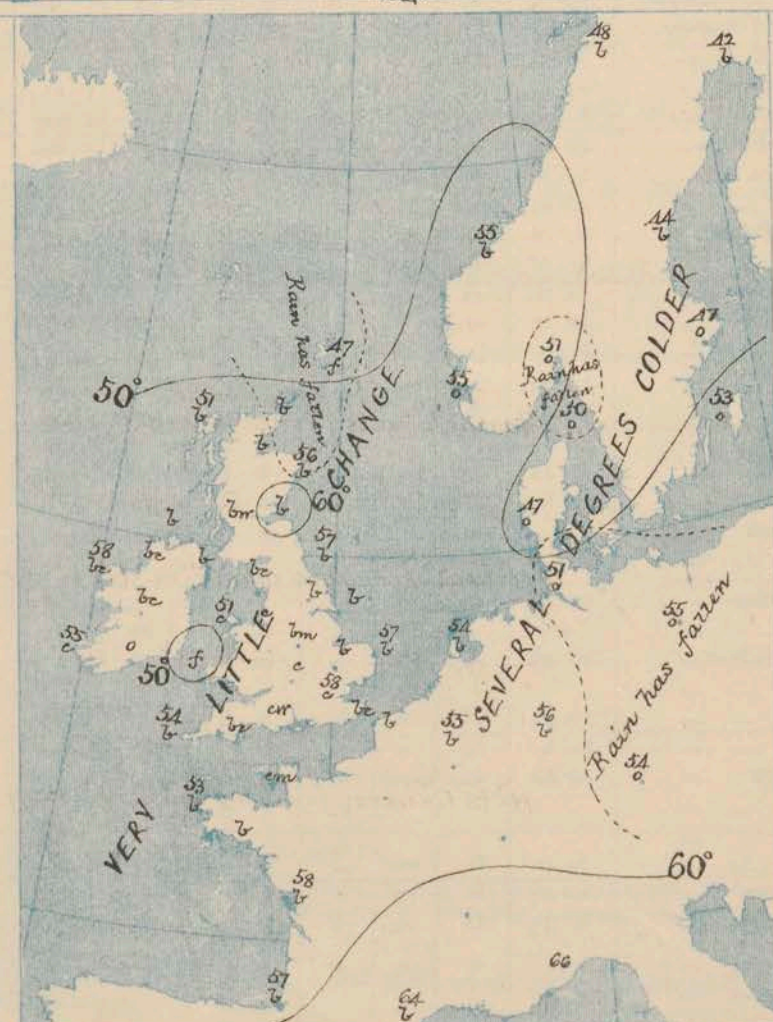
## MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

For the month of May.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	at 8 a.m. Wet.	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	48.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.07
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrassan	58.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.6	49.5	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.8	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.0	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Silly	56.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.6	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.78
Yarmouth	55.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.5 ins: and more over the north of Sweden—30.40 ins: to 30.46 ins: over Great Britain and the northwest of France.</p> <p>Lowest, 30.2 ins: over Denmark and the west of Norway—30.2 ins: and less over Spain—30.0 ins: over the Gulf of Genoa.</p> <p>Gradients slight, except over Sweden and the north of Norway. Barometer rising generally, least in the extreme southwest and west.</p>
TEMPERATURE	<p>Highest, 66° at Kees, 64° at Kerpigra, 61° at Feith, and 58° at Balmullet, Holyhead, and in London.</p> <p>Lowest, 42° at Haparanda, 44° at Hovissand, 47° at Stockholm and Lumburg Head, and 48° at Bodø and also at Pembroke.</p> <p>It is changing rather fitfully over the United Kingdom and has fallen fast over Germany, Denmark, and the south of Sweden.</p>
WIND	<p>Moderate from E. over the Bay of Biscay—from SE. or S. in the extreme west of Ireland, from NE. in Sweden, and from NW. over Germany.</p> <p>Over Great Britain it is extremely light and variable.</p>
WEATHER	<p>Foggy at Pembroke and Lumburg Head, dull in the south of Ireland.</p> <p>Clear at our other stations. To the eastward of the North Sea it is less settled and overcast.</p>
SEA	<p>Moderate at Valencia, slight or smooth elsewhere.</p>


## PROBABLE CHANGES IN SYSTEM NOW PREVALENT


The barometer is still rising generally and at present there is no decided indication of any important change so far as our islands are concerned, but to the eastward of the North Sea the appearance is unsettled, and thunder showers are likely.

## FORECASTS

for the 24 hours ending at NOON on 22<sup>nd</sup> May 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	Variable airs; fine generally, hazy.	6 { SCOTLAND WEST	S <sup>ly</sup> airs; fine, warm.
1 { SCOTLAND EAST	----- D° ----- D° ----- D° -----	7 { ENGLAND N. W.	----- D° ----- D° ----- D° -----
2 { ENGLAND N. E.	N <sup>ly</sup> and variable airs; fine, cool at night	8 { ENGLAND S. W.	E <sup>ly</sup> breezes, light; fine.
3 { ENGLAND EAST	----- D° ----- D° ----- D° -----	9 { IRELAND NORTH	Varying S <sup>ly</sup> breezes; light; fine, warm.
4 { MIDLAND COUNTIES	Same as N° 5	10 { IRELAND SOUTH	----- D° ----- D° ----- D° -----
5 { ENGLAND SOUTH	N <sup>ly</sup> to E <sup>ly</sup> airs; fine, cool at night, hazy	WARNINGS	
		NONE ISSUED.	

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.99	60	55	W 2	0	2	Holyhead	30.17	56	53	SSW 3	6	2
Sumburgh Head							Valencia ...						
Stornoway ...	29.96	57	57	SW 5	60	4	Scilly ...						
Aberdeen ...							Jersey ...	30.32	60	53	W 3	6	3
Shields ...							Dungeness	30.25	52	50	W 5	W	4
Ardrossan ...							London ...						
Malin Head ...	30.08	55	51	W 3	6	2	Yarmouth						
Mullaghmore ...							Rocheport	30.36	67	60	W 4	6	2
Behnullet ...	30.10	57	54	SSW 2	60								

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

The Continental Information for Sunday is not yet to hand.

## 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> MAY 1888.

The weather of the past week was mostly fine over England, but unsettled and showery in Ireland and Scotland. On the 16<sup>th</sup> and 17<sup>th</sup>, however, rain fell generally. Temperature was rather high for the time of year at the commencement of the period, and very high towards its close, but during the middle portion of the week the readings of the thermometer were somewhat below the average.

On the 13<sup>th</sup> and 14<sup>th</sup> an anticyclone lay over our extreme western coasts, while a large and well defined depression moved in an easterly direction across Scandinavia. The wind over our Islands, therefore, gradually shifted from W. to N. (blowing strongly in Scotland) and a current of cool air spread over the United Kingdom; the maximum readings observed over England on the 14<sup>th</sup> being from 10° to 15° lower than those of previous day.

On the night of the 14<sup>th</sup> a sudden change took place. The depression over Scandinavia passed away over Finland, but a brief fall of the barometer took place in the west of our Islands, and the anticyclone which had previously existed in that neighbourhood was replaced by a well defined low pressure system. The wind therefore shifted to the S<sup>W</sup> or SE<sup>W</sup> generally and blew strongly on many parts of our western coasts.

During the remainder of the week pressure was high over Central and Southern Europe, while a series of depressions moved northwards along our western coasts. SE<sup>W</sup> or S<sup>W</sup> winds therefore continued to prevail generally, and although moderate in force on our north and east coasts they occasionally rose to a slight gale in the west and south. Rain fell at frequent intervals in the west and on the 16<sup>th</sup> and 17<sup>th</sup> when some shallow secondary disturbance advanced over our Islands from the S<sup>W</sup> wet weather extended to all districts. On the 18<sup>th</sup>, however, these passed northwards, the sky cleared, and temperature rose considerably, the maximum readings over England being as high as 70° to 75°. Thunder and lightning were experienced at night in many places.

At the close of the week the main areas of low pressure in the west were also moving northwards and the wind was veering to the W<sup>W</sup> on all our western and southern coasts with cooler weather. Thunderstorms occurred in Scotland on the morning of the 19<sup>th</sup>.

### 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, 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> May 1888.  
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. 0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	30.47	43	NE	2	b	30.41	-0.06	41	39	-1	NE	0	0	+	52	32	-	
	Hernösand ...	30.55	41	NE	0	b	30.52	-0.01	50	42	+6	NE	0	0	+	61	32	-	
	Stockholm ...	30.45	43	NW	4	b	30.49	+0.04	50	41	+3	NNE	2	0	+	61	41	-	
	Wisby ...	30.41	41	NNE	6	b	30.43	+0.02	41	39	-2	N	4	0	+	57	39	-	
	Bodö ...	30.43	49	NE	0	b	30.40	-0.03	49	42	+7	ESE	2	0	1	?	39	-	
	Christiansund...	30.88	55	W	2	b	30.49	+0.29	51	48	-3	NW	6	m	3	61	46	-	
	Skudesnaes ...	30.45	50	NE	0	0	30.54	+0.34	56	52	+4	NE	0	0	2	59	50	-	
	Christiania Fjord (Færdar)	30.39	54	ESE	2	b	30.51	+0.26	51	48	-3	ESE	2	0	1	57	48	-	
	Skagen (The Scaw)	30.36	53	E	1	0	30.52	+0.33	53	50	+3	SSE	1	0	0	57	46	0.04	
	Fanö ...	30.35	49	NW	2	0	30.49	+0.28	54	47	+7	E	4	0	+	55	46	-	
BRITISH ISLANDS.	Sumburgh Head	30.47	48	NW	2	b	30.57	+0.23	52	49	+3	NE	0	0	1	57	35	-	
	Stornoway ..	30.44	57	E	2	b	30.50	+0.14	54	52	+2	NE	0	0	2	61	42	-	
	Wick ...	30.52	57	NE	0	b	30.51	+0.15	47	46	-1	S	2	0	1	63	37	-	
	Nairn ...	30.47	58	E	2	b	30.55	+0.15	51	48	-3	ESE	1	0	1	63	38	-	
	Aberdeen...	30.51	55	ESE	1	b	30.56	+0.14	53	49	-4	ESE	1	0	1	60	37	-	
	Leith ...	30.45	55	N	2	b	30.55	+0.14	56	51	-5	SE	2	0	+	64	41	-	
	Shields ...	30.47	55	ESE	2	b	30.52	+0.12	48	47	-1	N	2	0	2	59	44	-	
	Spurn Head ...	30.44	53	ESE	2	b	30.43	+0.02	48	47	-1	NNE	4	0	2	57	46	-	
	York ...	30.44	64	E	1	b	30.48	+0.05	52	49	-3	NNE	2	0	+	72	43	-	
	Loughborough	30.42	67	NE	2	b	30.46	+0.02	51	49	-2	N	3	0	+	72	39	-	
GERMANY.	Ardrossan ...	30.46	56	S	1	b	30.52	+0.11	57	51	+6	ESE	3	0	2	61	47	-	
	Malin Head ...	30.40	53	E	1	0	30.48	+0.14	55	50	-5	ESE	2	0	0	63	50	-	
	Mullaghmore ...	30.39	62	NW	1	0	30.47	+0.14	56	52	-4	ESE	3	0	2	67	47	-	
	Belmullet ...	30.38	58	SSE	1	0	30.45	+0.14	59	57	+2	SSE	1	0	+	62	48	-	
	Donaghadee ...	30.46	51	SW	3	b	30.52	+0.10	52	50	-2	NE	3	0	1	56	40	-	
	Barrow-in-Furness	30.44	57	N	2	b	30.46	+0.03	52	48	-4	NE	2	0	+	59	47	-	
	Liverpool (Bidston)	30.46	56	NW	2	b	30.48	+0.03	57	52	-5	NW	1	0	1	63	48	-	
	Holyhead ...	30.46	55	NW	1	0	30.47	+0.03	59	55	+4	NE	0	0	0	59	47	-	
	Parsonstown ...	30.41	66	NE	0	b	30.48	+0.11	55	50	+5	NE	0	0	+	67	41	-	
	Valencia ...	30.38	57	SE	5	cm	30.45	+0.11	58	53	+5	ESE	0	0	4	58	47	-	
FRANCE & NETHERLANDS.	Roche's Point...	30.44	51	SSE	2	bc	30.45	+0.04	51	49	-2	NW	1	0	3	56	44	-	
	Pembroke ...	30.44	56	NW	2	b	30.44	-0.02	58	54	+4	ESE	1	0	1	58	46	-	
	Scilly ...	30.41	55	ESE	3	b	30.39	-0.02	58	53	+5	E	4	0	3	58	49	-	
	Prawle Point ...	30.42	58	WSW	1	b	30.42	-0.04	58	52	+6	ESE	3	0	2	59	48	-	
	Jersey ...	30.39	61	N	3	b	30.36	-0.08	56	51	-5	ESE	0	0	3	64	51	-	
	Hurst Castle ...	30.38	57	W	2	b	30.42	-0.02	56	52	+4	NE	3	0	1	65	46	-	
	Dungeness ...	30.37	53	SE	3	bc	30.35	-0.04	54	50	-4	NE	4	0	2	59	43	-	
	London ...	30.40	62	NE	2	b	30.40	-0.02	54	48	-6	NE	2	0	+	69	45	-	
	Oxford ...	30.43	56	NE	2	b	30.43	-0.02	54	50	+4	NNE	3	0	+	67	42	-	
	Cambridge ...	30.43	62	NE	1	0	30.42	-0.01	50	49	-1	NNE	1	0	+	70	38	-	
PENIN- SULA.	Yarmouth ...	30.43	55	NE	2	b	30.39	+0.01	49	48	-1	NNE	3	0	3	58	46	-	
	Cuxhaven ...	30.30	48	NW	4	0	30.42	+0.15	50	49	-1	E	4	0	+	52	47	-	
	Berlin ...	30.22	58	NW	4	0	30.35	+0.12	53	46	-7	NNE	4	0	+	70	45	-	
	Wiesbaden ...	*	*	*	*	*	30.24	-0.12	54	52	+2	NE	2	0	+	63	50	-	
	Munich ...	30.22	59	NW	1	0	30.19	-0.10	54	52	+2	NE	4	0	+	63	58	0.04	
	The Helder ...	30.38	50	NW	3	b	30.36	+0.01	52	50	-2	ESE	1	0	2	53	48	-	
	Brussels ...	*	*	*	*	*	30.32	-0.07	51	49	-2	NE	3	0	+	69	46	0.04	
	Cape Gris Nez...	30.37	53	NE	4	b	30.34	-0.04	51	50	-1	NE	5	0	4	61	46	-	
	Paris ...	30.31	64	N	3	b	30.26	-0.16	51	50	-1	NE	5	0	+	69	50	-	
	Brest ...	30.38	63	E	4	b	30.38	-0.03	52	50	-2	ESE	1	0	7	70	46	-	
PENIN- SULA.	Lorient ...	30.35	64	NW	1	b	30.30	-0.08	54	49	+5	ESE	4	0	2	68	50	-	
	Rocheport ...	30.34	68	NNE	5	0	30.23	-0.17	57	54	+3	NNE	5	0	2	77	50	-	
	Belfort ...	30.15	61	W	1	0	30.05	-0.20	64	55	+9	E	3	0	+	63	?	-	
	Lyons ...	30.19	58	N	4	0	30.05	-0.21	55	50	+5	NW	3	0	+	60	53	-	
	Nice ...	29.97	62	NE	5	0	29.93	-0.09	64	58	+6	ESE	1	0	1	70	54	0.16	
PENIN- SULA.	Perpignan ...	30.09	70	NW	5	b	30.02	-0.19	66	55	+11	NW	3	0	+	75	58	-	
	Biarritz ...	30.23	66	NNE	5	b	30.12	-0.18	57	51	+6	NE	0	0	0	73	52	-	
PENIN- SULA.	Cornuna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	
	Lisbon ...	30.02	73	NW	5	b	29.99	-0.09	71	61	+10	NNE	3	0	2	99	64	-	

For Explanation of Columns, see p. 4.

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



# WEATHER CHARTS

for 8 a.m. on

Tuesday 22<sup>nd</sup> May

1882.

## 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.

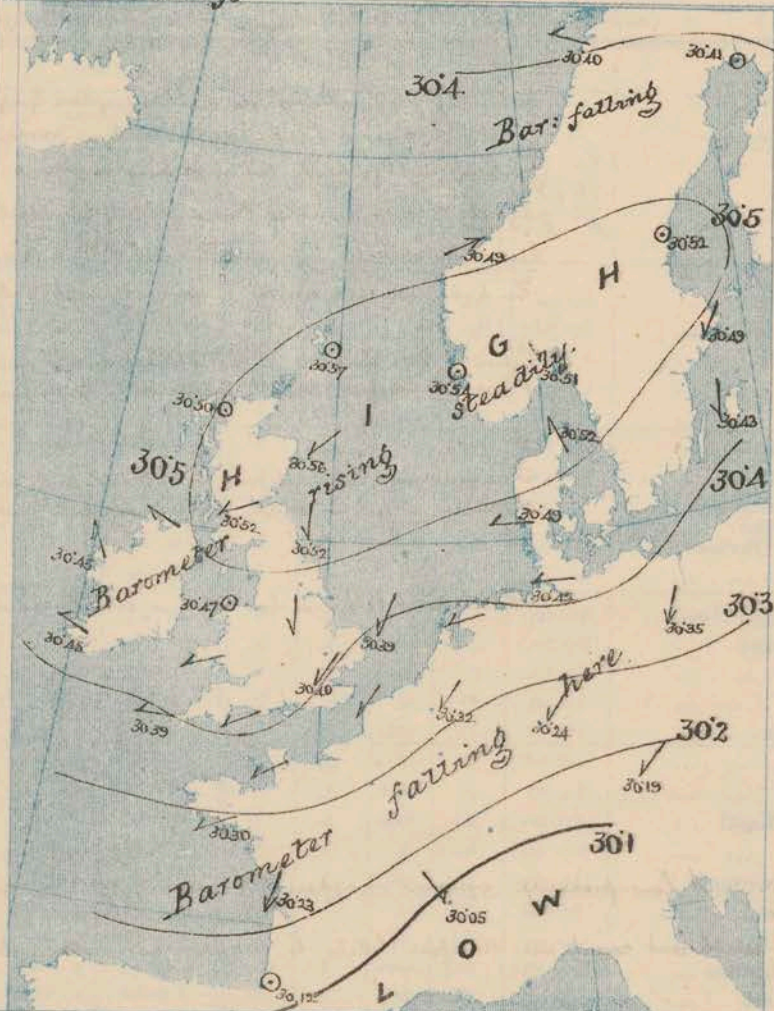
**Sea Disturbance** — where considerable is shown thus.

▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.878
Stornoway	29.893
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Scilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



## 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 May

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	48.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.67
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.6	49.5	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.6	45.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Scilly	56.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.5	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.5 ins: and upwards, in an anticyclone lying over Scotland, the northern part of the North Sea, and the southern half of the Scandinavian Peninsula.  
 Lowest, 29.99 ins: at Lisbon, 30.05 ins: at Lyons, 30.19 ins: at Munich.  
 Gradients slight generally, but increasing over France. Barometer falling in France, Spain, and the southern part of England and Germany, but rising elsewhere.

## TEMPERATURE

Highest, 71° at Lisbon, 60° at Wiesbaden, 59° at Belmullet and Heligoland, and 58° at Valencia, Fernobles, Kelly, and Thales Point.  
 Lowest, 41° at Haparanda and Nisy, 47° at Wick, 48° at Shields and Green Head, and 49° at Harmouth.  
 The highest maxima registered yesterday were 72° at York, and Loughborough, 70° at Cambridge and 69° in London.

## WIND

Calm or light variable in the Shetlands and Hebrides as well as at most of the Scandinavian stations.  
 E<sup>ly</sup> or NE<sup>ly</sup> elsewhere, light to moderate in force generally.

## WEATHER

Fine generally, but dull over the Central and Eastern part of England as well as in South Germany.  
 A little rain fell in London last evening, and heavy dew occurred over England at night.

## SEA

Moderate at Valencia, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A low pressure system is apparently forming over Switzerland, and is inclined to spread northwards. The NE<sup>ly</sup> winds on our southern coasts are therefore likely to freshen somewhat, but no important change is probable in the weather.

## FORECASTS

for the 24 hours ending at NOON on 23<sup>rd</sup> May. 1888.

### DISTRICTS.

### FORECASTS.

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

Calms and variable airs; fine generally.  
 E<sup>ly</sup> and NE<sup>ly</sup> winds, light; fine generally.  
 Same as No 5.  
 Same as No 5.  
 Same as No 5.  
 NE<sup>ly</sup> winds, freshening; cloudy generally possibly some rain.

### DISTRICTS.



### FORECASTS.

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

Same as No 1.  
 Same as No 1.  
 E<sup>ly</sup> to NE<sup>ly</sup> winds, moderate; fair generally.  
 Same as No 1.  
 Same as No 1.

### WARNINGS

NONE ISSUED. —

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.34	59	55	SW 2	0	2	Holyhead ...	30.47	58	53	SW 2	bc	2
Sumburgh Head ...	30.43	47	47	NW 2	0	3	Valencia ...	30.40	56	52	SSE 6	cu	6
Stornoway ...	30.42	61	57	S 3	6	2	Scilly ...	30.41	56	53	ESE 4	b	3
Aberdeen ...	30.46	56	50	SSE 1	6	1	Jersey ...	30.43	63	55	NW 3	b	3
Shields ...	30.44	54	51	NE 2	6	2	Dungeness ...	30.39	58	53	ESE 3	bc	1
Ardrossan ...	30.45	60	55	SW 1	6	1	London ...	30.41	65	56	NE 2	bc	*
Malin Head ...	30.38	59	54	E 1	bc	0	Yarmouth ...	30.41	57	53	NNE 4	b	2
Mullaghmore ...	30.37	62	56	NW 1	bcv	1	Rocheport ...	30.36	75	64	NE 5	b	2
Belmullet ...	30.37	62	54	SSW 1	6	*							

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

The reports for yesterday morning showed that two well defined anticyclones existed over Europe, one with readings above 30.5 in. over the north of Sweden, and the other, with readings above 30.4 in., over England, the east of Scotland and north of France. The lowest pressures, 30.0 in. and less, were reported over the south of Russia, and also in a small area lying over the Gulf of Genoa. Moderate breezes from the NE<sup>W</sup> were reported over the greater part of Europe, but in the west and north of the British Islands the wind was S and on the eastern shores of the North Sea it was NW<sup>W</sup>, while in Italy and Algeria it was very variable. The weather was fair generally, but the amounts of cloud reported were very variable and rain was falling at Riga and Oren. Temperature had fallen several degrees over Northern and Central Europe, and to a less extent over the south of France, but elsewhere the changes were slight and irregular; readings ranged from 70° and upwards at several of the Spanish and Algerian stations, as well as in the south of Austria to 45° or less over Northern Europe. The highest individual readings were 74° at Trieste and Biskra, 72° at Palma, 71° at Nicolaiiff, Buda Pesth and Spay, and 70° at Barcelona, Brindisi and Odessa; the lowest were 37° at Archangel, 38° at Kuspis, 41° at Uleaborg and Peterburg, 42° at Haparanda, 44° at Helsingfors, 45° at Hangö and 47° at Stockholm, Fins and Sumburgh Hd.

In the course of the day the anticyclone over our Islands moved slowly northwards and a slight fall of the barometer set in over France and the south of England. No important change was, however, 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 Wednesday 23<sup>rd</sup> May 1888.  
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	30.19	34	2	0	c	30.05	-.36	50	46	+	9	N	2	c	*	?	34	-
	Hernösand ...	30.30	51	2	0	b	30.27	-.25	50	48	+	6	NW	6	c	*	59	30	-
	Stockholm ...	30.34	50	SSW	2	b	30.23	-.26	57	49	+	7	NNE	4	c	*	64	34	-
	Wisby ...	30.42	40	N	2	b	30.24	-.19	46	42	+	5	WSW	2	0	*	55	37	-
	Bodö ...	30.34	44	SW	2	b	30.29	-.11	41	40	-	8	WSW	4	0	2	?	41	0.08
	Christiansund...	30.54	48	WSW	2	f	30.50	+.01	49	46	-	2	S	1	c	1	?	43	-
	Skudesnaes ...	30.51	48	NW	2	0	30.45	-.09	46	46	-	10	NW	2	f	2	64	48	-
	Christiania Fjord (Fjorder)	30.40	53	SW	2	b	30.37	-.14	53	50	+	2	NNW	4	b	1	55	48	-
	Skagen (The Sea)	30.42	52	2	0	b	30.36	-.16	49	47	-	4	NNW	1	b	0	68	43	-
	Fanö ...	30.48	52	NNW	3	b	30.45	-.04	50	52	+	2	NW	4	b	*	63	43	-
BRITISH ISLANDS.	Sumburgh Head	30.57	50	2	0	b	30.56	-.01	52	49	0	NNW	1	b	0	54	40	-	
	Stornoway ..	30.51	60	E	2	b	30.55	+.05	59	57	+	5	E	3	b	2	63	41	-
	Wick ...	30.56	48	S	2	f	30.58	+.01	50	50	+	3	S	2	f	1	52	43	0.01
	Nairn ...	30.53	50	NNE	2	b	30.56	+.01	54	52	+	3	2	0	b	0	55	42	-
	Aberdeen...	30.57	48	SE	1	0	30.57	+.01	51	49	-	2	ESE	1	c	2	57	47	-
	Leith ...	30.54	54	SE	2	c	30.57	+.02	52	50	-	4	NE	1	c	*	57	46	-
	Shields ...	30.51	47	NNE	3	b	30.54	+.02	49	47	+	1	NNE	1	b	2	50	45	-
	Spurn Head ...	30.44	48	NNE	4	0	30.50	+.07	52	48	+	4	NNE	4	b	3	52	44	-
	York ...	30.49	51	ENE	1	0	30.54	+.06	54	49	+	2	NNE	1	b	*	55	40	-
	Loughborough	30.44	51	NNE	4	0	30.49	+.03	53	49	+	2	NNE	3	c	*	53	43	-
GERMANY.	Ardrossan ...	30.48	65	ENE	1	c	30.54	+.02	59	54	+	2	ENE	1	b	1	68	50	-
	Malin Head ...	30.46	56	E	2	b	30.53	+.05	53	51	-	2	E	1	b	0	59	49	-
	Mullaghmore ...	30.46	64	NW	2	b	30.52	+.05	58	54	+	2	ENE	2	b	2	66	51	-
	Belmullet ...	30.51	59	NNW	1	b	30.52	+.07	58	54	-	1	NE	1	b	*	64	50	-
	Donaghadee ...	30.49	59	ENE	2	b	30.55	+.03	53	50	+	1	N	2	b	0	62	51	-
	Barrow-in-Furness	30.42	62	NNE	2	b	30.49	+.03	60	52	+	3	NNE	1	b	*	64	50	-
	Liverpool (Bidston)	30.44	58	ENE	2	0	30.51	+.03	57	49	+	2	ENE	2	b	2	63	46	-
	Holyhead ...	30.44	52	N	2	b	30.48	+.01	57	52	-	2	ENE	3	b	2	59	49	-
	Parsonstown ...	30.45	68	NE	1	b	30.50	+.01	55	52	0	NE	1	b	*	70	46	-	
	Valencia ...	30.48	64	NW	2	b	30.46	+.01	63	58	+	3	NNE	1	b	1	66	47	-
FRANCE & NETHERLANDS.	Roche's Point...	30.45	57	SE	1	b	30.44	-.01	60	50	+	9	E	2	b	3	60	49	-
	Pembroke ...	30.57	59	NNE	3	b	30.41	-.03	57	53	-	1	ENE	3	b	2	64	49	-
	Scilly ...	30.35	56	NNW	4	b	30.32	-.07	53	51	-	5	NE	5	om	4	60	50	-
	Prawle Point ...	30.33	55	ENE	3	c	30.31	-.11	57	51	+	1	NE	6	b	4	65	48	-
	Jersey ...	30.28	54	NE	4	b	30.25	-.04	57	52	+	1	NE	4	b	3	61	50	-
	Hurst Castle ...	30.34	54	NE	3	c	30.34	-.08	55	51	-	1	NE	5	b	1	63	47	-
	Dungeness ...	30.28	53	ENE	5	c	30.30	-.05	54	50	0	ENE	5	m	4	56	49	-	
	London ...	30.35	56	NE	2	0	30.38	-.02	58	51	+	4	NE	2	b	*	58	45	-
	Oxford ...	30.41	49	NE	3	0	30.43	+.00	53	50	-	1	NE	3	b	*	58	42	-
	Cambridge ...	30.40	52	NNE	1	b	30.43	+.01	58	53	+	8	N	1	b	*	58	38	-
PENIN- SULA.	Yarmouth ...	30.38	52	NNE	4	b	30.45	+.06	52	48	+	3	ENE	4	b	3	52	47	-
	Cuxhaven ...	30.44	55	E	4	b	30.51	+.09	55	?	+	5	E	1	b	*	59	52	?
	Berlin ...	30.57	54	N	4	b	30.43	+.08	48	43	-	5	NNE	2	b	*	64	41	-
	Wiesbaden ...	*	*	*	*	*	30.34	+.10	58	49	-	2	E	3	b	*	70	52	-
	Munich ...	30.18	56	NE	3	c	30.27	+.08	48	42	-	6	E	7	b	*	61	39	-
	The Helder ...	30.36	57	NE	5	b	30.44	+.08	54	46	+	2	ENE	3	b	3	61	50	-
	Brussels ...	*	*	*	*	*	30.52	00	50	49	+	5	ENE	5	b	*	63	45	-
	Cape Gris Nez...	30.32	49	NE	7	m	30.30	-.04	54	50	+	3	NE	5	m	5	59	48	-
	Paris ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Brest ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PENIN- SULA.	Lorient ...	30.24	58	NE	7	c	30.19	-.11	54	51	-	0	NE	5	b	4	63	50	-
	Rochefort ...	30.17	57	NE	7	0	30.13	-.10	55	51	-	2	NNE	5	0	*	68	50	0.12
	Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lyons ...	30.01	62	NNW	1	c	30.03	-.02	57	54	+	2	NNW	1	0	*	65	55	-
	Nice ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Perpignan ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PENIN- SULA.	Biarritz ...	30.06	63	N	5	c	30.09	-.03	51	49	-	6	E	4	0	2	66	48	-
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	29.91	68	NW	7	b	29.88	-.11	63	58	-	8	NE	4	b	2	82	63	-

For Explanation of Columns, see p. 4.

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



# WEATHER CHARTS

for 8 a.m. on

Wednesday 23<sup>rd</sup> May,

1888.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

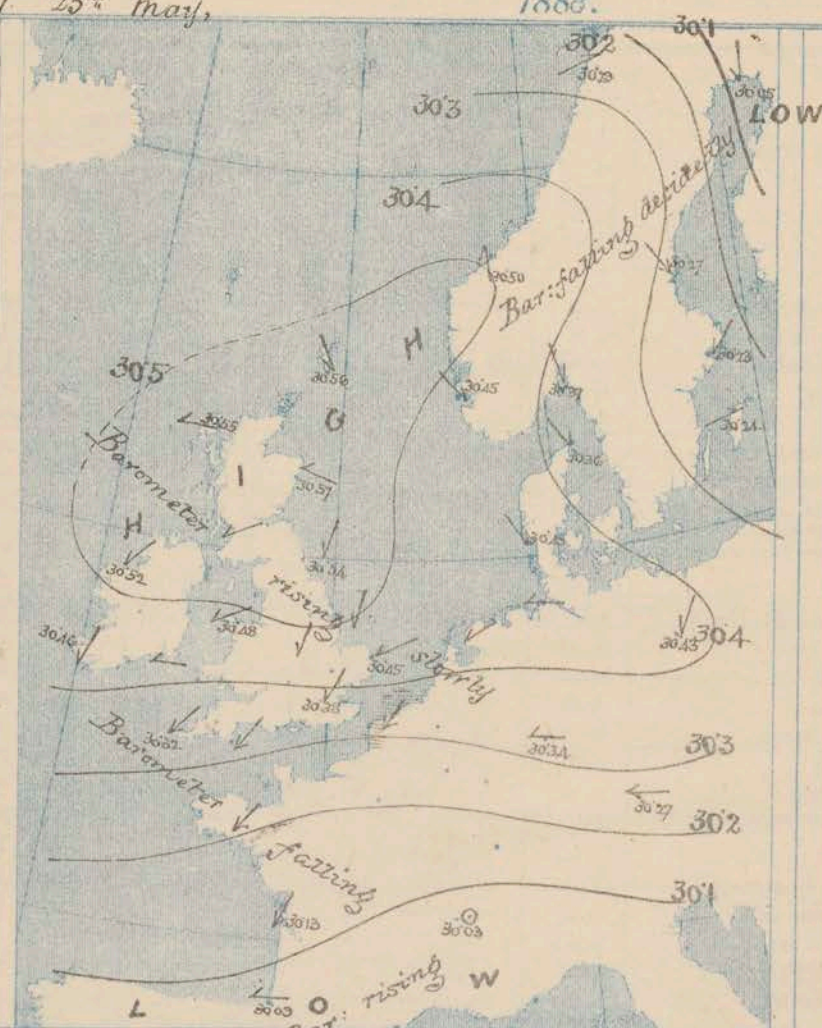
**Sea Disturbance** — where considerable is shown thus.

— = Rough. — = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.878
Stornoway	29.893
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
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Pembroke	29.977
Scilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



## 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.

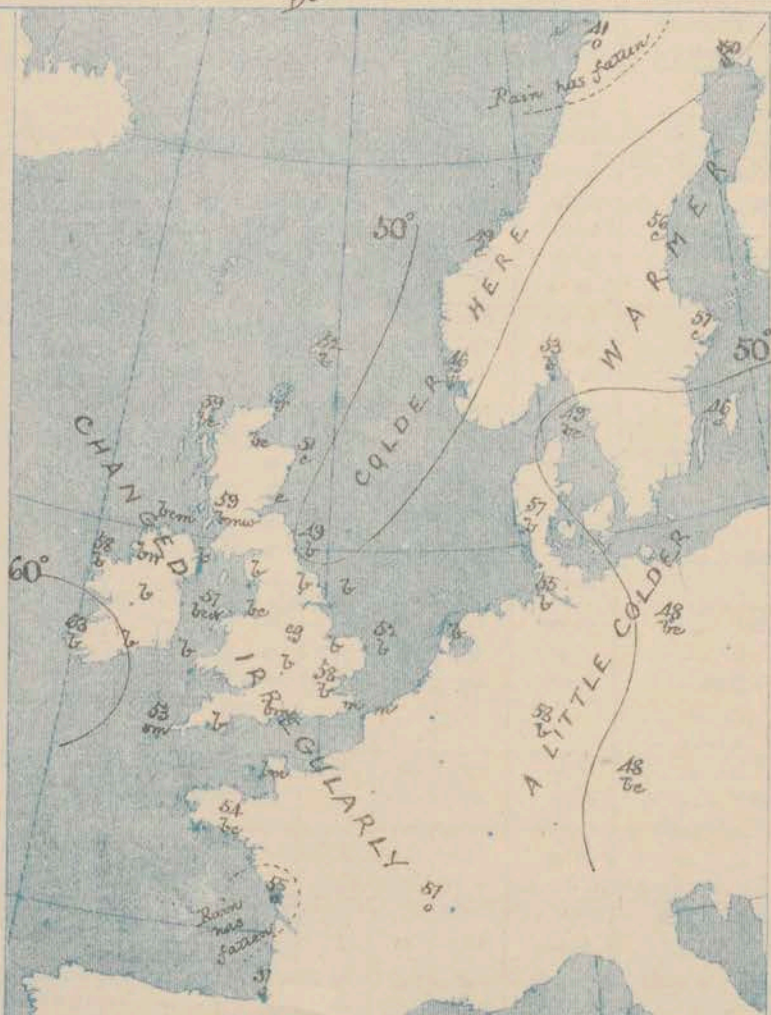
## MEANS OF TEMPERATURE IN SHADE.

### AND RAINFALL.

for the month of May

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	48.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.63
Nairn	55.9	42.0	48.4	45.0	1.07
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
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Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Scilly	56.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.6	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
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Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	44.8	50.6	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	{ Highest 30.5 ins. and upwards in an anticyclone lying over all the more northern parts of our Islands and the West of Norway. Lowest 29.9 ins. and less over the southern parts of the Iberian Peninsula, 30.1 ins. and less in the North of Sweden. Gradients moderate over Scandinavia and the south of our Islands, but slight elsewhere. Barometer falling at our southern and most of the continental stations, but rising over the northern parts of the United Kingdom.
TEMPERATURE	{ Highest 63° at Valencia and Lisbon, 65° at Barrow in Farness and Rocks Point, and 64° at Hornum and Fredrasen. Lowest 41° at Porto, 46° at Skudesnæs and Ulsby, 48° at Berlin and Munich, and 49° at Christiansand, Skagen and Shields.
WIND	{ Light and variable in the North of our Islands; moderate N.W. or N.E. in Sweden and Denmark. N.E. or E. elsewhere; fresh in force over the Channel and Bay of Biscay.
WEATHER	{ Fine generally but dull in the West of Norway, and also in the South of France. Fog is reported at Skudesnæs and Ulsby.
SEA	{ Rather rough at Cape Gris Nez and moderate in the Channel generally, but slight or smooth elsewhere.



## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

*There are at present no indications of any important change in the weather.*

## FORECASTS

for the 24 hours ending at NOON on 24<sup>th</sup> MAY 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	<i>Light variable winds; fine generally.</i>	6 { SCOTLAND WEST	<i>Same as N° 1.</i>
1 { SCOTLAND EAST	<i>E and NE winds, light; fine generally.</i>	7 { ENGLAND N.W.	<i>Same as N° 1.</i>
2 { ENGLAND N.E.	<i>Same as N° 5.</i>	8 { ENGLAND S.W.	<i>Same as N° 5.</i>
3 { ENGLAND EAST	<i>Same as N° 5.</i>	9 { IRELAND NORTH	<i>Same as N° 1.</i>
4 { MIDLAND COUNTIES	<i>Same as N° 5.</i>	10 { IRELAND SOUTH	<i>Same as N° 1.</i>
5 { ENGLAND SOUTH	<i>NE winds, moderate or fresh; fair generally.</i>	WARNINGS <i>NONE ISSUED.</i>	

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.53	64	58	WNW 2	c	2	Holyhead ...	30.47	55	50	N 3	b	2
Sumburgh Head ...	30.59	52	49	E 1	b	1	Valencia ...	30.46	60	57	WSW 1	bv	1
Stornoway ...	30.51	60	59	SW 3	b	3	Scilly ...	30.39	57	54	NNE 2	b	4
Aberdeen ...	30.58	52	49	ENE 1	c	2	Jersey ...	30.32	60	53	NE 4	b	3
Shields ...	30.57	49	48	N 3	o	2	Dungeness ...	30.31	54	50	ENE 4	c	3
Ardrossan ...	30.49	67	52	ENE 3	b	2	London ...	30.38	50	51	NE 3	o	*
Malin Head ...	30.48	57	52	SE 3	b	2	Yarmouth ...	30.39	52	49	NE 4	c	3
Mullaghmore ...	30.48	63	55	NW 3	b	2	Rochefort ...	30.20	58	54	NE 5	?	2
Belmullet ...	30.49	64	54	W 3	b	*							

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

The reports for yesterday morning showed that pressure was highest, 30.5 ins. and upwards, in an anticyclone which extended from the northern part of the Baltic to the west of Scotland, and lowest, 29.8 ins. and less, in a depression lying over the south of Russia.

The wind was NE or E over the greater part of Europe, but at the extreme northern and southern stations it was somewhat variable; in the south of France it was chiefly NW. The weather was fair on the whole but in some places there was a considerable amount of cloud, and at Munster rain was falling.

Temperature had fallen in all localities excepting the east and south of France, and readings ranged from 65° and upwards in several parts of southern Europe to a little below the freezing point in the north of Russia. The highest individual values were 73° at Oporto, 72° at Trieste, 71° at Barcelona, Lisbon, Cap Bearn and Biskra, 70° at Lescia, Brindisi, Gravelotte, and 68° at San Fernando and Jaxa; the lowest were 30° at Archangel, 34° at St. Petersburg, 38° at Kuopio, 39° at Riga, 41° at Naparanda and Ullisby, 42° at Helsingfors and Hangö, and 44° at Neufahrwasser and Ulsaborg.

In the course of the day very little change was observed either in pressure, wind or weather. At some of our western stations the thermometer rose to 70° but over the eastern and central parts of Great Britain it did not reach 60°.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 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> May* 1888.  
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	30.12	45	N	2	b	29.91	-14	39	35	-11	SE	2	0	*	57	32	-	
	Hernösand ...	30.23	55	NNW	2	b	30.07	-20	53	47	-3	W	0	0	*	68	46	-	
	Stockholm ...	29.80	59	NNE	2	b	?	?	57	50	0	NE	2	0	*	70	46	-	
	Wisby ...	30.19	45	NW	2	bc	30.12	-12	45	42	-1	NNW	2	0	*	59	41	-	
	Bodö ...	30.19	42	WSW	6	0	29.91	-38	42	41	+1	WSW	6	1	3	43	39	0.08	
	Christiansund...	30.41	51	W	1	b	30.33	-17	46	43	-3	WSW	4	1	2	54	43	-	
	Skudesnaes ...																		
	Christiania Fjord (Færdar)	30.23	62	W	1	b	30.22	-15	55	50	+2	W	2	0	2	64	52	-	
	Skagen (The Seaw)	30.23	50	NNW	1	b	30.18	-18	53	50	+4	NE	1	0	1	63	48	-	
	Fanö ...	30.29	44	NW	4	b	30.23	-22	46	46	-10	NW	2	1	*	61	43	-	
BRITISH ISLANDS.	Sumburgh Head	30.53	51	NNW	2	b	30.51	-05	47	45	-5	NNW	2	0	2	58	42	-	
	Stornoway ..	30.57	55	E	4	bc	30.47	-08	47	47	-12	E	4	0	3	60	44	-	
	Wick ...	30.57	56	W	0	b	30.56	-02	47	46	-3	NE	1	0	0	57	44	-	
	Nairn ...	30.53	55	NE	2	bc	30.55	-01	48	47	-6	W	0	0	1	59	45	-	
	Aberdeen...	30.56	53	ESE	1	bc	30.53	-04	48	46	-3	N	3	0	2	60	42	-	
	Leith ...	30.53	54	SE	3	b	30.51	-06	57	50	+5	SE	1	0	*	58	38	-	
	Shields ...	30.49	52	NE	2	b	30.48	-06	52	49	+3	NNE	2	0	2	55	42	-	
	Spurn Head ...	30.46	50	NNE	3	b	30.41	-09	51	48	-1	NNE	4	0	2	54	43	-	
	York ...	30.47	65	E	2	b	30.41	-13	54	49	0	N	2	0	*	71	44	-	
	Loughborough	30.43	66	E	3	b	30.43	-06	55	49	+2	NE	3	0	*	70	42	-	
GERMANY.	Ardrossan ...	30.46	70	NE	1	cm	30.50	-04	53	50	-1	NNE	3	0	1	70	46	-	
	Malin Head ...	30.49	54	NNE	1	b	30.46	-07	51	49	-2	SE	3	0	2	56	49	-	
	Mullaghmore ...	30.46	62	NNW	4	0	30.46	-06	57	54	-1	ESE	4	0	2	68	51	-	
	Belmullet ...	30.49	59	NE	5	b	30.45	-07	60	56	+2	NW	1	0	*	64	51	-	
	Donaghadee ...	30.48	60	NNE	2	bc	30.49	-06	55	51	+2	NNE	2	0	0	64	50	-	
	Barrow-in-Furness	30.41	63	N	2	b	30.44	-05	57	48	-3	N	1	0	*	68	51	-	
	Liverpool (Bidston)	30.42	68	ESE	3	b	30.44	-07	59	48	+2	ESE	2	0	2	71	51	-	
	Holyhead ...	30.43	55	NNE	1	b	30.43	-05	57	52	0	NE	1	0	1	61	51	-	
	Parsonstown ...	30.43	70	W	0	b	30.44	-06	58	54	+3	W	0	0	*	71	43	-	
	Valencia ...	30.40	61	W	2	b m	30.39	-07	63	56	0	E	1	0	1	69	46	-	
FRANCE & NETHERLANDS.	Roche's Point...	30.40	65	E	3	b	30.40	-04	60	55	0	E	3	0	3	66	50	-	
	Pembroke ...	30.35	65	NW	1	bc	30.37	-04	58	57	+1	ESE	1	0	1	65	49	-	
	Scilly ...	30.29	58	NE	4	b m	30.27	-05	55	51	+2	ESE	5	0	4	59	51	-	
	Prawle Point ...	30.27	59	NE	5	b	30.30	-01	55	48	-2	NE	6	0	4	65	48	-	
	Jersey ...	30.21	61	NE	5	b m	30.24	-01	56	52	-1	ESE	6	0	4	66	50	-	
	Hurst Castle ...	30.31	60	ESE	5	b m	30.33	-01	58	52	+3	ESE	4	0	1	65	47	-	
	Dungeness ...	30.27	56	ESE	6	b	30.30	00	54	50	0	ESE	4	0	4	59	48	-	
	London ...	30.36	63	NE	4	b	30.37	-01	53	48	-5	NE	3	0	*	68	44	-	
	Oxford ...	30.40	56	NE	3	b	30.41	-02	48	46	-5	NE	3	0	*	68	40	-	
	Cambridge ...	30.41	62	NE	2	b	30.38	-05	52	49	-6	N	2	0	*	70	38	-	
PENIN- SULA.	Yarmouth ...	30.41	35	NNE	4	b	30.36	-09	47	46	-5	N	3	0	3	56	44	-	
	Cuxhaven ...	30.39	50	NNW	3	b	30.30	-21	50	49	-5	N	2	0	*	57	48	-	
	Berlin ...	30.25	45	NW	1	c	30.17	-26	60	53	+12	NW	3	0	*	66	?	-	
	Wiesbaden ...	*	*	*	*	*	30.25	-09	60	52	+2	NE	3	0	*	70	50	-	
	Munich ...	30.23	53	SE	2	b	30.22	-05	53	47	+5	E	4	0	*	61	37	-	
	The Helder ...	30.37	52	NNE	3	b	30.31	-13	46	46	-8	N	1	0	2	61	?	-	
	Brussels ...	*	*	*	*	*	30.28	-04	55	49	-1	NNE	1	0	*	72	46	-	
	Cape Gris Nez...	30.24	52	NE	7	b	30.31	+01	50	49	-4	NE	5	0	4	57	46	-	
	Paris ...	30.13	?	NE	?	?	?	?	57	49	-1	?	5	0	*	76	50	-	
	Brest ...	30.13	61	NE	8	0	30.19	-10	52	49	+1	ESE	5	0	3	70	46	-	



# WEATHER CHARTS

for 8 a.m. on Thursday, 24<sup>th</sup> May, 1888.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

→ = forces above 10; → = forces 8 to 10;  
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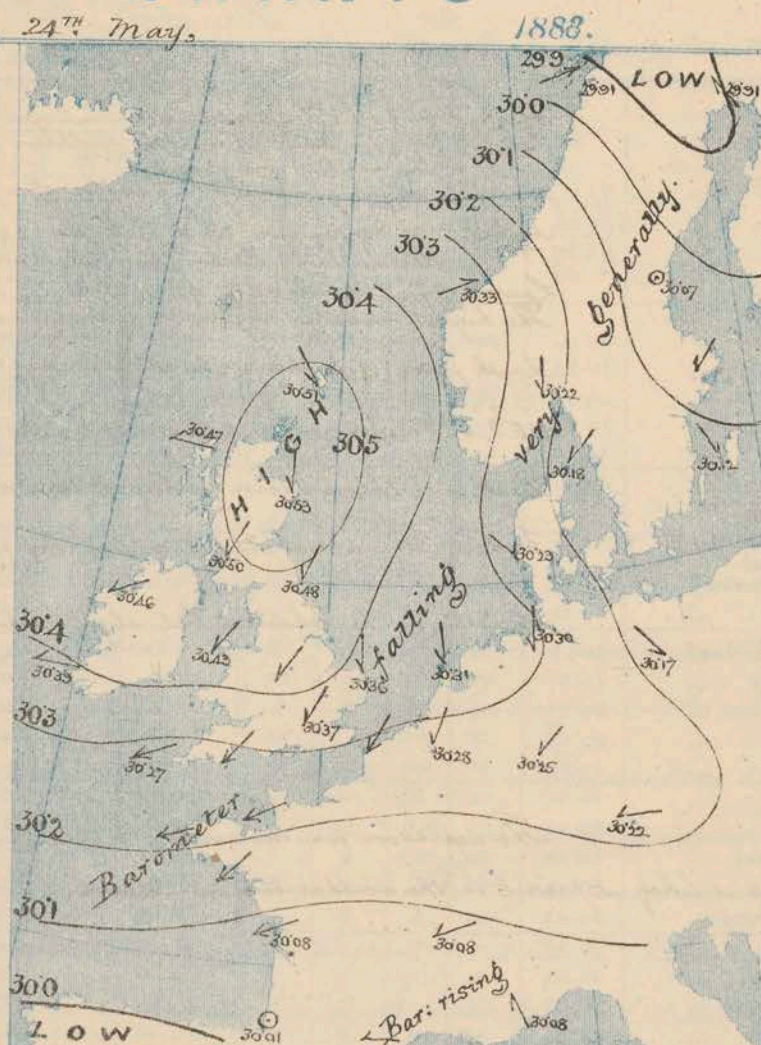
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— Rough — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	ins.
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Holyhead	29.971
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Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Scilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



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

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

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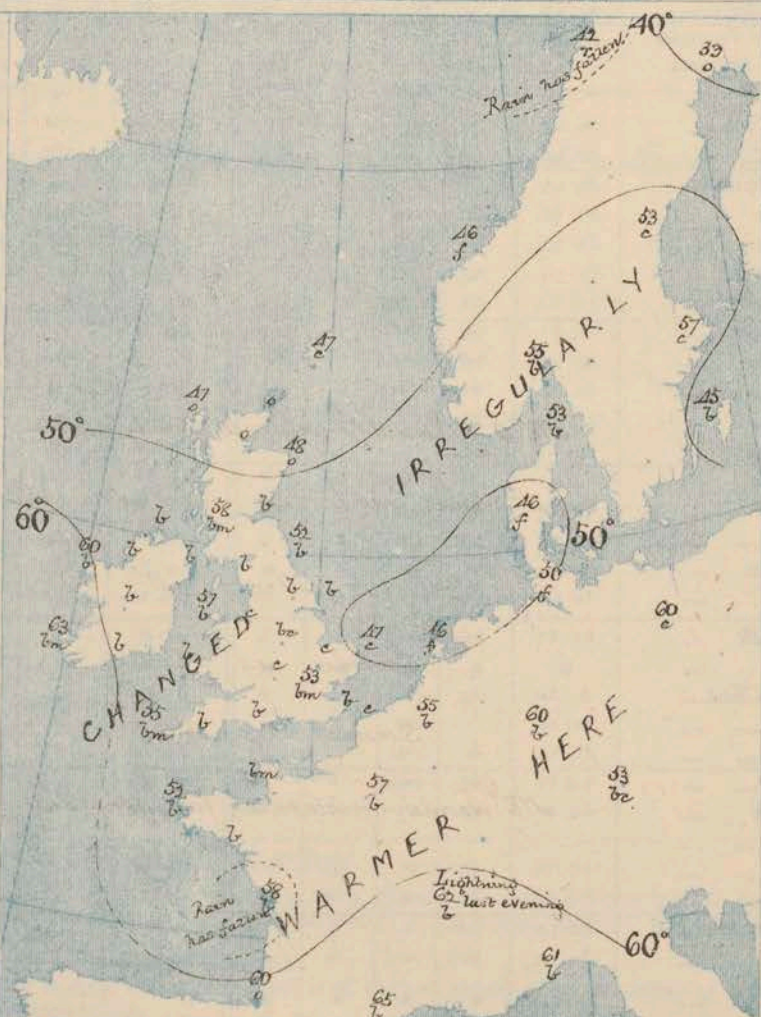
## MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of May

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
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Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.07
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	2.20
Dunaghadue	55.9	43.6	49.5	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Scilly	56.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.5	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.5 ins and upwards in an anticyclone lying over Scotland. Lowest 29.9 ins, and less over the southern part of the Iberian Peninsula, and also in a depression lying over the north of Scandinavia. Gradients slight generally. Barometer falling at all but the French stations; most in Scandinavia.
TEMPERATURE	Highest 65° at Perpignan, 63° at Valencia, 62° at Lyons and Lisbon, 61° at Nice, and 60° at Belmullet. Lowest 39° at Haparanda, 42° at Bodo, 43° at Wisby, and 46° at Christiansund, Farsö and Helder. The highest maxima registered yesterday were 71° at York and 70° at Loughborough, Exeter and Cambridge.
WIND	Fresh from S.W. in the northwest of Norway, light from N.W. or N. over the North Sea and adjacent coasts. N.E. or E. elsewhere; fresh in force over the Channel and Bay of Biscay.
WEATHER	Dull over the northern parts of Scotland and Scandinavia, with rain at Bodo. Fair or fine in most other localities, but foggy in Holland and the south of Denmark.
SEA	Moderate in the Channel but slight or smooth elsewhere.


## PROBABLE CHANGES IN SYSTEM NOW PREVALENT


The depression over the north of Scandinavia will probably move southwards. No important change is likely at present in the weather over our Islands.

## FORECASTS

for the 24 hours ending at NOON on 25<sup>th</sup> MAY 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH.	NE <sup>ly</sup> to NW <sup>ly</sup> winds, moderate; cloudy, rain locally.	6 { SCOTLAND WEST	NE <sup>ly</sup> winds, light; fine generally.
1 { SCOTLAND EAST	N <sup>ly</sup> winds, moderate; fair generally.	7 { ENGLAND N.W.	.....D.....D.....D.....
2 { ENGLAND N.E.	.....D.....D.....D.....	8 { ENGLAND S.W.	Same as N <sup>os</sup> 3 to 5.
3 { ENGLAND EAST	Same as N <sup>o</sup> 5.	9 { IRELAND NORTH	Same as N <sup>os</sup> 6 and 7.
4 { MIDLAND COUNTIES	Same as N <sup>o</sup> 5.	10 { IRELAND SOUTH	Same as N <sup>os</sup> 6 and 7.
5 { ENGLAND SOUTH	NE <sup>ly</sup> winds, moderate; fair generally.		NONE ISSUED.
		WARNINGS	

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.39	50	48	WNW 4	f	3	Holyhead ...	30.46	57	52	NNE 3	b	2
Sumburgh Head ...	30.55	54	51	WNW 1	b	0	Valencia ...	30.42	66	60	WNW 3	0	3
Stornoway ...	30.57	60	59	E 4	bc	3	Scilly ...	30.30	57	53	NNE 5	b	4
Aberdeen ...	30.56	54	50	E 1	b	2	Jersey ...	30.22	65	55	ENE 5	b	4
Shields ...	30.52	53	50	NE 3	b	2	Dungeness ...	30.29	59	51	ENE 6	b	4
Ardrossan ...	30.49	69	61	NE 1	e	1	London ...	30.38	65	52	ENE 4	b	*
Malin Head ...	30.53	55	52	NE 1	b	1	Yarmouth ...	30.44	55	50	NE 4	b	3
Mullaghmore ...	30.49	66	60	WNW 2	bcw	2	Rochefort ...	30.12	66	63	NW 1	e	2
Belmullet ...	30.52	61	55	NE 5	b	*							

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

*The Continental information for yesterday will appear in to-morrow's Report.*

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Friday, 25<sup>th</sup> May 1888.

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

STATIONS.		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (9 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	39	20	0	0	29.77	- 14	36	34	- 3	N	4	0	*	50	34	0.08	
	Hernösand ...	29.88	47	NW	6	bc	29.76	- 31	46	41	- 7	N	4	0	*	61	46	-	
	Stockholm ...	29.94	51	ENE	4	bc	29.76	-	51	43	- 6	NNE	4	0	*	68	48	-	
	Wisby ...	29.95	50	W	2	bc	29.79	- 33	46	43	+ 1	ENE	4	0	*	64	41	0.12	
	Bodö ...	29.82	40	WSW	4	r	29.89	- 02	39	35	- 3	N	2	0	2	34.2	37	-	
	Christiansund...	30.15	45	NSW	7	f	30.08	- 33	45	44	- 1	N	2	T	3	46	41	0.32	
	Skudesnaes ...	30.20	45	NW	8	bc	30.08	-	45	44	-	NW	6	0	4	50	45	-	
	Christiania Fjord (Farder)	29.98	57	20	0	bc	29.91	- 31	55	47	0	SW	2	b	1	61	54	-	
	Skagen (The Scaw)	29.97	54	W	1	b	29.90	- 28	51	48	- 2	NNE	2	b	2	68	48	-	
	Fanö ...	30.07	47	NW	4	b	29.96	- 27	57	51	+ 11	NW	4	b	*	57	45	-	
BRITISH ISLANDS.	Sumburgh Head	30.40	45	WNW	3	c	30.25	- 26	44	42	- 3	WNW	4	0	4	50	42	-	
	Stornoway ..	30.47	51	E	4	b	30.41	- 06	47	45	0	NE	4	0	4	52	45	-	
	Wick ...	30.47	54	NW	1	b	30.36	- 20	49	47	+ 2	N	4	0	2	57	44	0.02	
	Nairn ...	30.44	53	E	2	b	30.36	- 19	49	47	+ 1	ENE	2	0	1	58	35	-	
	Aberdeen...	30.46	49	ENE	2	b	30.35	- 18	47	44	- 1	WNW	3	c	2	55	39	-	
	Leith ...	30.45	52	SE	2	bc	30.37	- 14	49	47	- 8	SSE	1	m	*	58	41	-	
	Shields ...	30.43	46	N	2	0	30.34	- 14	44	43	- 8	NW	2	0	3	52	41	-	
	Spurn Head ...	30.37	48	N	5	0	30.30	- 11	45	44	- 6	N	4	cq	3	54	43	-	
	York ...	30.41	55	NNE	3	b	30.33	- 08	49	44	- 5	N	2	b	*	65	38	-	
	Loughborough	30.35	64	NE	4	b	30.32	- 11	48	44	- 7	NE	3	b	*	70	42	-	
GERMANY.	Ardrossan ...	30.39	68	NE	2	bm	30.33	- 17	58	50	0	NW	1	bm	1	68	42	-	
	Malin Head ...	30.42	54	ESE	1	b	30.35	- 11	53	50	+ 2	NNE	1	b	0	57	49	-	
	Mullaghmore ...	30.37	65	WNW	2	b	30.33	- 13	57	53	0	ENE	2	b	2	69	48	-	
	Belmullet ...	30.38	61	ENE	3	b	30.33	- 12	61	54	+ 1	E	1	b	*	67	52	-	
	Donaghadee ...	30.41	62	NNE	2	b	30.34	- 15	57	56	+ 2	S	2	b	0	68	55	-	
	Barrow-in-Furness	30.34	66	NE	2	b	30.32	- 12	54	51	- 3	NW	2	b	*	67	46	-	
	Liverpool (Bidston)	30.35	64	ENE	3	b	30.32	- 12	54	47	- 5	SSE	1	b	1	70	43	-	
	Holyhead ...	30.35	54	NNE	2	b	30.32	- 11	54	50	- 3	NNE	3	bm	2	62	47	-	
	Parsonstown ...	30.36	68	20	0	b	30.31	- 13	59	53	+ 1	20	0	b	*	72	44	-	
	Valencia ...	30.33	64	WSW	2	bm	30.26	- 13	66	60	+ 3	20	0	bm	0	69	47	-	
FRANCE & NETHERLANDS.	Roche's Point...	30.34	61	ESE	2	b	30.27	- 13	60	55	0	E	3	b	3	63	50	-	
	Pembroke ...	30.29	58	NNE	2	bc	30.27	- 10	56	54	- 2	ENE	2	b	1	68	48	-	
	Scilly ...	30.24	58	NE	2	bm	30.19	- 08	56	51	+ 1	ENE	5	b	4	60	50	-	
	Prawle Point ...	30.25	57	ENE	2	b	30.24	- 06	46	45	- 9	ENE	4	0	3	64	44	-	
	Jersey ...	30.19	60	ENE	5	b	30.18	- 06	49	47	- 7	ENE	5	cm	4	64	40	-	
	Hurst Castle ...	30.25	63	E	2	bm	30.25	- 08	53	50	- 5	ENE	4	b	1	65	46	-	
	Dungeness ...	30.24	52	ENE	5	b	30.20	- 10	48	45	- 6	ENE	5	c	4	56	48	-	
	London ...	30.27	63	ENE	2	b	30.27	- 10	48	44	- 5	NE	3	c	*	71	44	-	
	Oxford ...	30.32	55	NE	3	b	30.30	- 11	44	41	- 4	NE	2	0	*	68	42	-	
	Cambridge ...	30.34	53	N	2	b	30.29	- 09	50	47	- 2	N	2	c	*	70	43	-	
PENIN-SULA.	Yarmouth ...	30.32	48	N	5	cq	30.26	- 10	47	45	0	N	4	cq	4	54	43	-	
	Cuxhaven ...	30.21	?	WNW	4	f	30.07	- 23	47	46	- 3	NW	5	0	*	51	46	-	
	Berlin ...	30.04	66	WNW	2	b	29.97	- 20	52	50	- 8	WNW	3	0	*	73	50	-	
	Wiesbaden ...	*	*	*	*	*	30.10	- 15	56	52	- 4	NW	4	b	*	73	52	-	
	Munich ...	30.16	54	NE	2	b	30.11	- 11	57	51	+ 4	E	1	b	*	63	41	-	
	The Helder ...	30.21	51	N	3	0	30.17	- 14	47	45	+ 1	N	4	c	3	52	46	-	
	Brussels ...	*	*	*	*	*	30.19	- 09	47	45	- 8	WNW	1	0	*	68	46	-	
	Cape Gris Nez...	30.25	49	ENE	7	c	30.23	- 08	46	44	- 4	NE	7	0	5	54	43	-	
	Paris ...	30.12	70	NNE	5	b	30.14	-	50	48	- 7	NNE	4	0	*	74	49	-	
	Brest ...	30.16	65	E	5	b	30.15	- 04	51	49	- 1	ENE	5	b	3	72	47	-	
FRANCE & NETHERLANDS.	Lorient ...	30.10	66	NE	5	bc	30.08	- 05	55	52	- 1	ENE	5	b	2	77	54	-	
	Rochefort ...	30.05	74	ENE	4	b	30.04	- 04	59	55	+ 1	E	5	b	2	86	52	-	
	Belfort ...	30.06	70	ENE	1	b	30.06	- 38	63	53	+ 3	E	1	b	*	73	41	-	
	Lyons ...	29.99	71	N	3	bc	30.05	- 03	61	56	- 1	ESE	3	b	*	77	52	-	
	Nice ...	30.04	64	SW	3	bc	30.07	- 01	64	57	+ 3	ENE	1	b	1	70	55	-	
	Perpignan ...	30.02	65	E	3	b	30.06	+ 01	61	58	- 4	20	0	b	*	75	47	-	
	Biarritz ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	
	Lisbon ...	29.84	64	WNW	5	b	29.91	+ 08	61	57	- 1	WNW	4	b	2	73	55	-	
	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	



# WEATHER CHARTS

for 8 a.m. on *Friday, 25<sup>th</sup> May, 1883.*

## 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.

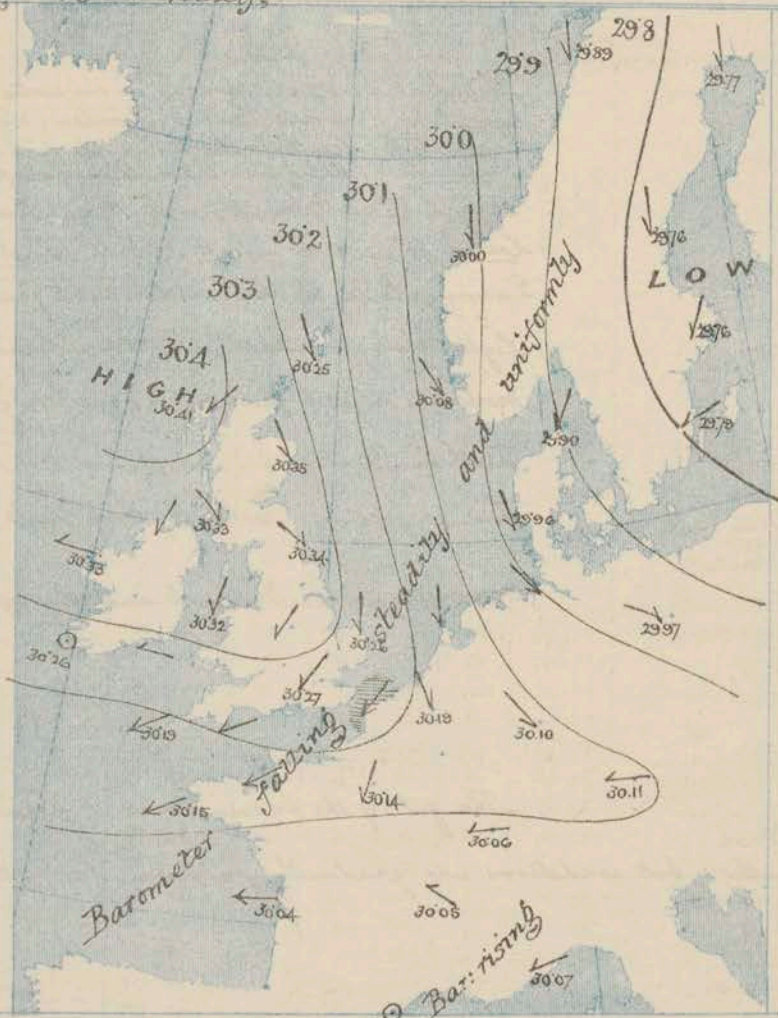
**Sea Disturbance** — where considerable is shown thus.

▨ = Rough ▨ = High

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.878
Stornoway	29.893
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.943
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roshe's Point	29.979
Pembroke	29.977
Seilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



## 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.

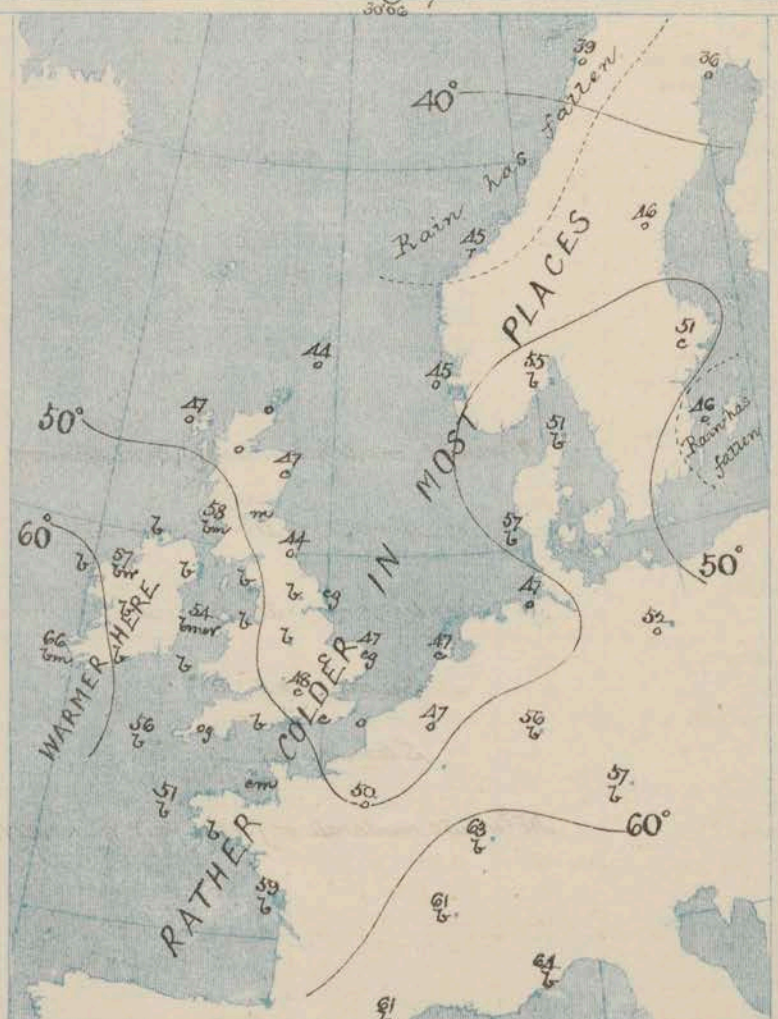
**Weather** — is shown by Letters of the Beaufort Scale.

**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 May.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	43.4	45.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	43.4	45.0	1.07
Aberdeen	55.0	41.7	48.0	45.3	1.90
Leith	57.8	43.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.6	49.5	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.6	2.89
Roshe's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Seilly	58.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.6	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	44.8	50.5	48.0	1.85



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



# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest 30.4 ins. and upwards in an anticyclone lying off the Hebrides.  
 Lowest 29.8 ins. and less over Sweden; 29.9 ins. and less over the southern parts of the Iberian Peninsula.  
 Gradients moderate to the eastwards and southward of our Islands, but slight elsewhere.  
 Barometer falling in all localities excepting the north of Scandinavia and the south of France.

## TEMPERATURE

Highest 66° at Valencia, 64° at Nice, 63° at Belfort, 61° at Belmullet, Lyons, Perpignan and Lisbon.  
 Lowest 36° at Haparanda, 39° at Rode, 44° at Loughborough Head, Shields and Oxford, 45° at Christiansund, Skudenes and Horn Head.  
 During yesterday the thermometer rose to 70° at Loughborough, Liverpool and Cambridge, 71° at London, and 72° at Rarsonstuen.

## WIND

Light to fresh from the N<sup>W</sup> or NW<sup>W</sup> over Scandinavia, Denmark, the Netherlands and the north and northeast of our Islands.  
 Moderate or fresh from NE or E over the greater part of Ireland, England and France.

## WEATHER

Dull in Scandinavia and the north of Scotland, with rain at Christiansund.  
 Fair or fine in nearly all other parts of western Europe.

## SEA

Moderate in the Channel and also off the north of Scotland, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The fall of the barometer is at present too uniform to lead to any important change in the weather, but conditions are gradually becoming less settled than of late.

## FORECASTS

For the 24 hours ending at NOON on 26<sup>th</sup> MAY

1883.

### DISTRICTS.

### FORECASTS.

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



### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	N <sup>4</sup> winds, light; fine generally.
7	ENGLAND N.W.	.....D.....D.....D.....
8	ENGLAND S.W.	Same as N <sup>o</sup> 3 to 5.
9	IRELAND NORTH	NE <sup>4</sup> winds, light; fine generally.
10	IRELAND SOUTH	.....D.....D.....D.....

### WARNINGS

NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...							Holyhead ...	30.39	56	51	N 3	6	1
Samburgh Head ...	30.44	48	46	WNW 3	60	3	Valencia ...	30.35	60	61	W 3	6m	3
Stornoway ...	30.51	51	?	E 4	60	4	Scilly ...	30.26	59	52	E 5	6	4
Aberdeen ...	30.51	51	51	N 2	6	2	Jersey ...	30.22	64	56	E 5	6	4
Shields ...	30.45	49	47	N 2	0	2	Dungeness ...	30.28	55	51	E 4	0	3
Ardrossan ...	30.44	58	58	NE 2	6	1	London ...	30.38	68	58	E 3	6	*
Malin Head ...	30.44	57	51	E 2	6	0	Yarmouth ...	30.34	54	50	N 4	6	3
Mullaghmore ...	30.40	65	57	E 3	6	2	Rocheport ...	30.38	88	69	E 3	6	2
Belmullet ...	30.42	67	60	W 0	6	*							

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

The reports for yesterday showed that pressure was still highest (30.4 ins. to 30.5 ins.) over the British Islands and North Sea, lowest, 29.9 ins. and less, over the Spanish Peninsula, the eastern parts of the Mediterranean and extreme northern Europe. Gradients were moderate to slight and the barometer was changing very slightly. The wind was mainly NW<sup>ly</sup> over Scandinavia, the Baltic and northern half of Russia, NE<sup>ly</sup> over France, the Channel, England and Ireland, and N<sup>ly</sup> in Scotland. The weather was fine, and in almost all regions, bright, and the air was dry. Temperature had fallen in the north of the British Islands and Lapland, but risen on the shores of the White Sea. It varied from 70° and more over several parts of the Mediterranean to rather below 50° in the North of our Islands, and to less than 40° over northern Russia. The highest individual values were 78° at Cagliari, 70° at Oran and Biskra (Algeria), 68° at Brindisi, Palermo and Barcelona, 66° at Malta, 65° at Perpignan, 63° at Valencia, and 60° at Berlin; the lowest were 36° at Archangel, 39° at Anapanda, 41° at Uleaborg, 40° at Bodo, 47° at Moscow, Kiev and Christiansund. During the day temperature increased greatly at the inland stations and varied greatly in various localities, but the weather remained fine and dry.

## GENERAL REMARKS ON THE WEATHER FOR THE 24 HOURS ENDING AT 8 AM ON MAY 24<sup>TH</sup> 1888.

The reports for yesterday showed that pressure ranged from 30.5 ins. and more, over the West of Norway and the northern parts of the British Islands, and from between 30.2 ins. and 30.5 ins. over all the remaining part of northwestern Europe to about 30.0 ins. over the White Sea, to rather below 29.9 ins. over the Black Sea, Greece, Italy and the eastern parts of the Mediterranean generally, as well as over the southwestern part of the Iberian Peninsula. Thus, while calms prevailed in Scotland and Norway, W<sup>ly</sup> winds were reported over northern Europe, and NE<sup>ly</sup> elsewhere - the latter blowing freshly in the Channel and over the Bay of Biscay. Temperature had risen decidedly over Finland, but fallen over central and southeastern Europe, and varied from upwards of 70° at some of the Mediterranean stations, and from more than 60° in the southwest of Ireland to a little below the freezing point in the extreme North of Russia. The highest individual values were 74° at Cagliari, 72° at Brindisi, 71° at Barcelona, 70° at San Fernando, 69° at Algiers, 66° at Malta, Livourne and Nice, 63° at Lisbon and Valencia (Ireland), and 62° at Belfort; the lowest were 30° at Archangel, 41° at St Petersburg, 42° at Lemberg, 43° at Hermanstadt, 44° at Lracow, and 46° at Wisby. During the day the NE<sup>ly</sup> wind blew very strongly over the South of England, the Channel and many parts, but the weather was fine, dry and warm.

## EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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# DAILY WEATHER REPORT.

for Saturday, 26<sup>th</sup> May

1888.

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

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.79	33	N	2	0	29.73	-0.4	35	30	-1	N	4	0	*	39	30	-	
	Hernösand ...	29.85	38	NE	2	S	29.78	+0.2	33	32	-18	S	2	0	*	30	?	0.04	
	Stockholm ...	29.72	44	N	4	0	29.69	-0.7	41	36	-10	NE	2	0	*	59	?	-	
	Wisby ...	29.74	46	NW	2	C	29.69	-1.0	40	37	-6	NW	2	0	*	55	?	-	
	Bodö ...	29.87	39	N	2	0	29.73	-1.6	36	34	-3	NNE	4	S	2	39	34	-	
	Christiansund...	30.01	42	NW	3	0	29.86	-1.4	41	38	-4	NW	6	0	4	45	41	0.16	
	Skudesnaes ...	29.97	45	NW	8	bc	29.89	-1.9	46	42	+1	NW	8	C	5	50	45	-	
	Christiania Fjord (Færder)	29.80	54	NNE	2	C	29.79	-1.2	45	39	-10	NNE	6	6	1	55	45	-	
	Skagen (The Scaw)	29.74	49	N	1	0	29.76	-1.4	45	42	-6	NE	2	0	3	61	43	0.04	
	Fanö ...	29.88	45	NW	6	6	29.82	-1.4	45	43	-12	NW	6	0	*	59	43	-	
BRITISH ISLANDS.	Sumburgh Head	30.20	45	NW	2	0	30.09	-1.6	43	41	-1	NW	2	0	3	47	37	-	
	Stornoway ..	30.34	50	N	4	C	30.22	-1.9	45	42	-2	E	3	0	3	53	41	-	
	Wick ...	30.27	46	N	4	0	30.15	-2.1	44	42	-5	NW	3	0	2	50	40	0.01	
	Nairn ...	30.29	52	NE	3	C	30.18	-1.8	48	46	-1	2	0	0.2	1	54	43	0.01	
	Aberdeen...	30.27	49	N	4	C	30.16	-1.9	45	41	-2	N	1	0	2	54	44	-	
	Leith ...	30.25	55	E	3	bc	30.18	-1.9	46	44	-3	SE	2	0	*	61	41	-	
	Shields ...	30.25	50	NNE	2	6	30.15	-1.9	45	43	+1	N	3	0	3	51	43	-	
	Spurn Head ...	30.23	48	N	5	C	30.14	-1.6	45	44	0	NNE	4	cdp	4	49	43	-	
	York ...	30.20	54	ESE	2	bc	30.17	-1.6	48	43	-1	NNE	3	0	*	66	43	-	
	Loughborough	30.20	61	NE	3	6	30.17	-1.5	48	44	0	NNE	2	0	*	69	38	-	
GERMANY.	Ardrossan ...	30.19	62	NW	1	6	30.16	-1.7	55	49	-3	2	0	bcnw	0	63	42	-	
	Malin Head ...	30.24	52	N	2	6	30.15	-2.0	47	46	-6	NNE	3	0.3m	3	57	46	-	
	Mullaghmore ...	30.23	61	N	4	6	30.15	-1.8	52	48	-5	ESE	3	bcw	2	67	47	-	
	Belmullet ...	30.25	56	ESE	4	6	30.15	-1.8	53	50	-2	ESE	4	6	*	65	47	-	
	Donaghadee ...	30.21	58	NNE	2	6	30.17	-1.7	51	49	-6	ESE	2	6	0	62	51	-	
	Barrow-in-Furness	30.19	60	NW	3	6	30.17	-1.5	50	46	-4	SE	2	6	*	63	44	-	
	Liverpool (Bidston)	30.19	58	NW	1	6	30.17	-1.5	52	45	-2	ESE	2	6	2	72	42	-	
	Holyhead ...	30.20	51	N	1	6	30.14	-1.8	55	50	+1	SSW	1	bcw	1	58	46	-	
	Parsonstown ...	30.20	69	2	0	6	30.13	-1.8	57	52	-2	2	0	6	*	72	43	-	
	Valencia ...	30.19	62	W	1	6m	30.11	-1.5	60	53	-6	NNE	1	6m	1	69	55	-	
FRANCE & NETHERLANDS.	Roche's Point...	30.19	59	ESE	3	6	30.12	-1.5	58	53	-2	ESE	1	6	2	63	46	-	
	Pembroke ...	30.16	56	S	1	6	30.15	-1.2	49	49	-7	SE	4	bcw	3	59	46	-	
	Scilly ...	30.13	54	E	4	6m	30.08	-1.1	51	48	-5	E	5	cmv	4	54	47	-	
	Prawle Point ...	30.13	51	ESE	2	6	30.14	-1.0	45	43	-1	ESE	4	vg	2	53	42	-	
	Jersey ...	30.07	55	ESE	4	6	30.10	-0.8	49	46	0	ESE	5	bcnw	4	56	45	-	
	Hurst Castle ...	30.14	56	2	0	6m	30.14	-1.1	48	46	-5	ESE	3	C	1	63	43	-	
	Dungeness ...	30.13	50	ESE	6	6	30.09	-1.1	47	43	-1	ESE	5	C	4	54	45	-	
	London ...	30.16	61	NNE	2	6	30.14	-1.3	48	44	0	NE	2	0	*	66	44	-	
	Oxford ...	30.19	52	NE	3	6	30.16	-1.4	47	43	+3	NE	3	0	*	61	39	-	
	Cambridge ...	30.22	48	N	2	6	30.14	-1.5	50	45	0	N	1	0	*	61	44	-	
PENIN-SULA.	Yarmouth ...	30.21	46	NNE	4	cg	30.11	-1.5	46	44	-1	NNE	4	C	4	49	43	-	
	Cuxhaven ...	29.99	45	NW	7	0	29.96	-1.1	47	46	0	NW	4	0	*	51	44	-	
	Berlin ...	29.79	61	NW	2	bc	29.84	-1.3	50	46	-2	NW	3	0	*	64	46	-	
	Wiesbaden ...	*	*	*	*	*	30.05	-0.7	48	45	-8	N	3	0	*	66	45	-	
	Munich ...	29.92	62	2	0	6	29.93	-1.8	54	49	-3	NW	4	C	*	70	45	0.34	
	The Helder ...	30.11	47	N	3	0	30.08	-1.3	46	42	-1	N	3	C	3	48	45	-	
	Brussels ...	*	*	*	*	*	30.08	-1.1	45	43	-2	N	1	T	*	64	45	-	
	Cape Gris Nez...	30.15	45	NE	7	0	30.10	-1.3	46	45	0	NE	4	0	3	52	45	-	
	Paris ...	30.02	61	NNE	3	6	30.07	-0.7	44	41	-6	NNE	4	bcw	*	67	43	-	
	Brest ...	30.06	58	E	5	6	30.07	-0.8	50	48	-1	ESE	4	6	4	72	46	-	



# WEATHER CHARTS

for 8 a.m. on

Saturday 26<sup>th</sup> May,

1882.

## 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.

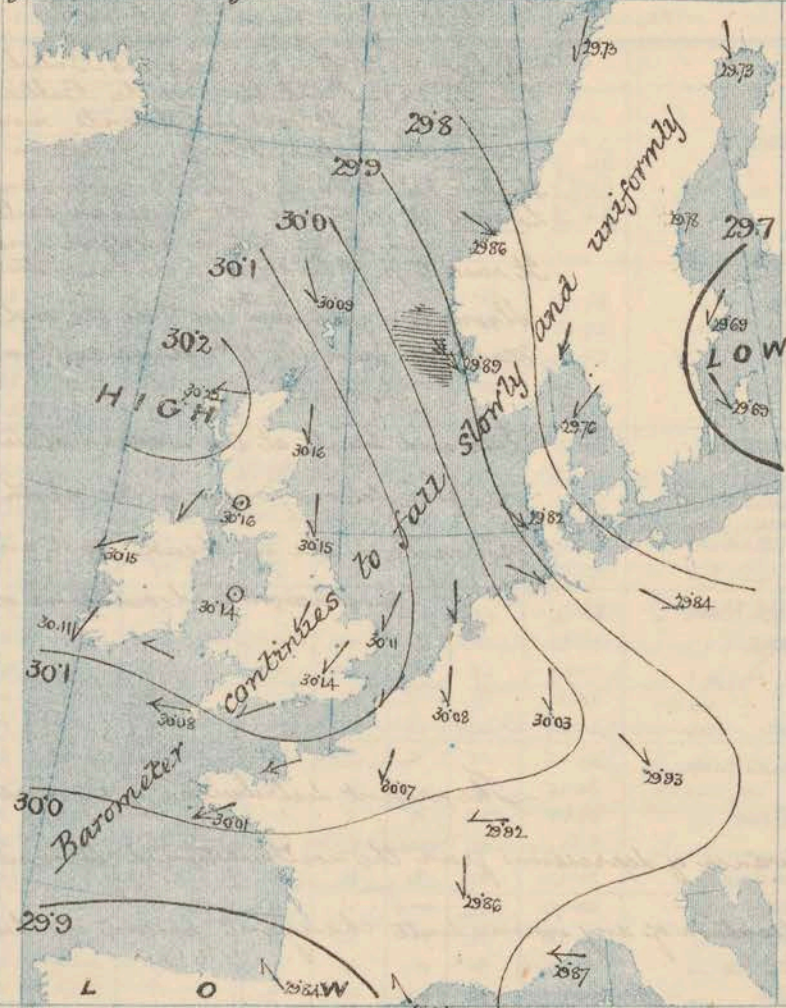
▨ = Rough. ▨ = High.

### MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871–1885.

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.878
Stornoway	29.893
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Silly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.998
Cambridge	29.989
Yarmouth	29.980



## 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.

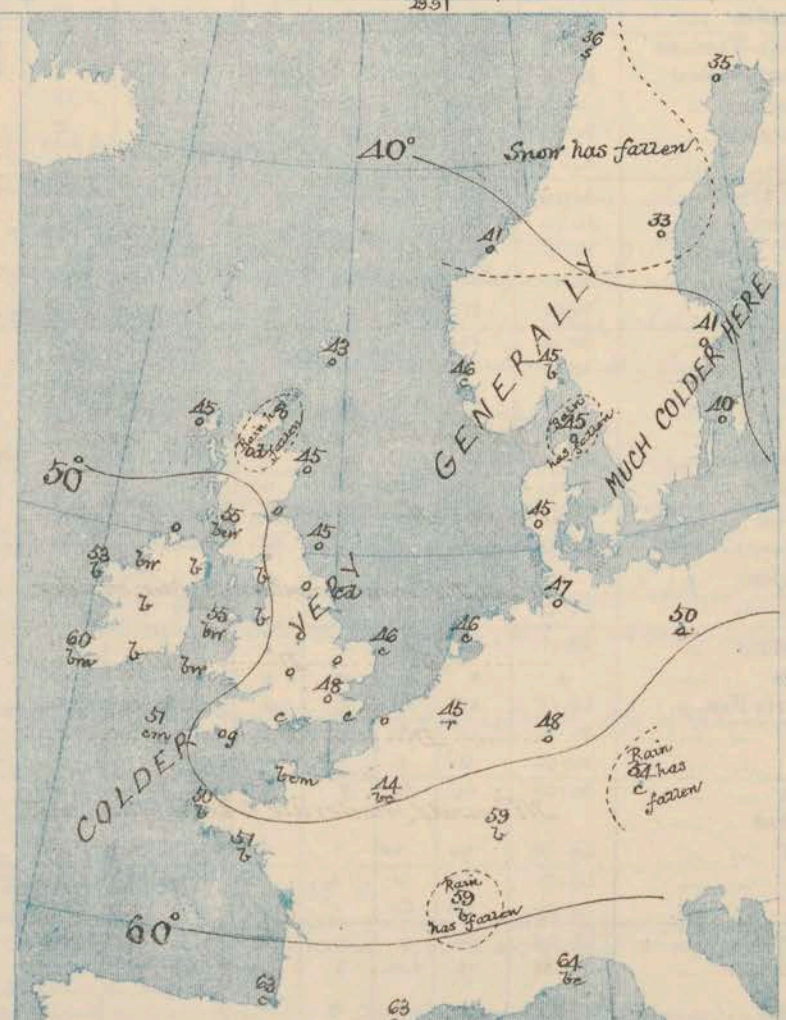
### MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of May.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	48.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.67
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.90
Ardrossan	56.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.8	49.5	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Silly	56.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.6	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.0	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.1 ins. to 30.2 ins. over the British Isles. Lowest 29.7 ins. and less over the Baltic, 29.8 ins. and less over the Spanish Peninsula. Gradients slight over our islands, moderate in the east and south. Barometer falling slowly - most in the far North.
TEMPERATURE	Highest 64° at Nice, 63° at Perpignan and Biarritz, 60° at Valencia, and 57° at Parsonstown. Lowest 38° to 36° over the northern parts of Sweden and Lapland, 41° at Lohistansund, 43° at Sumburg H., and 45° at stations along our northeast coast. It rose to 72° at Liverpool and Parsonstown yesterday, to 69° at Valencia and Loughborough, and to 66° in London.
WIND	Strong to a gale from the <sup>the</sup> NW <sup>nd</sup> on the eastern shores of the North Sea. Moderate from the NW <sup>nd</sup> at our eastern stations - from NE. in the south, and from NE and E. in Ireland.
WEATHER	Fine and bright at the western stations - cloudy or overcast elsewhere, with slight rain at a few stations, snow in the north of Scandinavia.
SEA	Moderate in the northeast, east, and south, slight in the southwest, smooth in the northwest and extreme west.


## PROBABLE CHANGES IN SYSTEM NOW PREVALENT


The present distribution of pressure and the changes reported are favourable for the advance of depressions from the north-westward towards the eastern shores of the North Sea, but there is no indication of any immediate change at present in the weather over England.

## FORECASTS

For the 24 hours ending at NOON on 27<sup>th</sup> MAY 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	NW <sup>th</sup> winds; cold, some rain.	6 { SCOTLAND WEST	Same as N <sup>o</sup> 0 and 1.
1 { SCOTLAND EAST	-----D-----D-----D-----	7 { ENGLAND N. W.	NE <sup>th</sup> winds, moderate; fine.
2 { ENGLAND N. E.	N <sup>th</sup> and NW <sup>th</sup> winds, moderate; fair, milder.	8 { ENGLAND S. W.	-----D-----D-----D-----
3 { ENGLAND EAST	-----D-----D-----D-----	9 { IRELAND NORTH	-----D-----D-----D-----
4 { MIDLAND COUNTIES	-----D-----D-----D-----	10 { IRELAND SOUTH	-----D-----D-----D-----
5 { ENGLAND SOUTH	NE <sup>th</sup> winds, moderate to light; fair, cold.		
		WARNINGS	NONE ISSUED.

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.01	49	45	NW 8	b	4	Holyhead ...	30.25	55	50	NNE 3	b	2
Sumburgh Head ...	30.24	45	42	NW 4	0	4	Valencia ...	30.22	66	60	W 3	bm	3
Stornoway ...	30.36	52	?	NE 4	b	4	Scilly ...	30.16	54	51	ESE 3	b	4
Aberdeen ...	30.29	54	48	NW 3	0	2	Jersey ...	30.14	55	51	NE 4	b	3
Shields ...	30.29	51	47	N 3	c	3	Dungeness ...	30.15	53	49	ESE 6	c	4
Ardrossan ...	30.23	56	53	W 1	0	1	London ...	30.19	61	54	N 2	b	4
Malin Head ...	30.30	54	52	N 1	b	1	Yarmouth ...	30.23	48	46	N 4	b	4
Mullaghmore ...	30.26	65	59	NW 3	b	2	Rochefort ...	30.01	75	66	NNE 4	b	2
Belmullet ...	30.29	61	55	ESE 2	b	*							

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

The reports for yesterday morning showed that pressure was highest, 30.4 ins. and upwards, in an anticyclone lying off the northwest of Scotland, and lowest, 29.6 ins. and less, in a depression lying over the Gulf of Finland. Another area of low pressure with readings below 29.8 ins. was, however, reported over the south of Russia. The wind was light or moderate from the NW<sup>wd</sup> or N<sup>wd</sup> over Scandinavia, Denmark, the north and east of our Islands and the greater part of central Europe but elsewhere it was chiefly NE<sup>ly</sup>. In Algeria and south Italy however, it was light from the SW<sup>wd</sup> or W<sup>wd</sup>. The weather was fine over western and southern Europe, but dull in the north and also at the Algerian stations, with rain at Christiansund, Oran and Annale, and snow at Uleaborg. Temperature had risen a little in Austria, the west of our Islands and the south of France but fallen in most other localities, readings ranged from 65° and upwards in several parts of Algeria and southern Europe, to 40° or less over Lapland and north Russia. The highest individual readings were 76° at Cagliari, 73° at Cap Boarn, 72° at La Calle, 71° at Biskra, 70° at Tunis, 69° at Bilbao and 68° at Brindisi and Algiers; the lowest were 35° at Archangel, 36° at Haparanda and Uleaborg, 39° at Rode, 41° at Kuopio, 44° at Sumburgh Head, Shields and Oxford, and 45° at Christiansund, Skudesnaes, Hangö, Munster and Spurn Head. In the course of the day the barometer fell generally, but very little change was observed either in the winds or weather.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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for Sunday 27<sup>th</sup> May 1888.  
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Direc.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.67	32	N	2	o	29.67	— .06	36	32	+	1	N	2	c	*	37	28	—
	Hernösand ...	29.71	35	NE	2	o	29.71	— .07	37	34	+	4	ENE	2	c	*	41	32	0.04
	Stockholm ...	29.64	41	L	0	r	29.62	— .07	45	41	+	4	L	0	o	*	48	36	0.12
	Wisby ...	29.68	42	S	2	b	29.64	— .05	44	39	+	1	N	2	o	*	46	37	—
	Bodö ...	29.69	37	NNE	4	c	29.69	— .04	40	37	+	4	NNE	2	c	1	?	34	—
	Christiansund...	29.76	39	NW	4	s	29.73	— .13	40	38	—	1	ESE	1	c	3	44	36	0.28
	Skudesnaes ...	29.80	42	NW	8	bc	29.74	— .15	43	37	—	3	NW	6	c	4	46	43	—
	Christiania Fjord (Fjorder)	29.61	50	W	5	c	29.61	— .18	42	37	—	3	NNE	5	c	1	52	41	—
	Skagen (The Scaw)	29.63	45	W	1	o	29.58	— .18	46	42	+	1	N	3	c	3	55	39	—
	Fanö ...	29.80	43	NW	5	bc	29.76	— .06	46	42	+	1	NW	5	c	*	55	41	—
BRITISH ISLANDS.	Sumburgh Head	29.99	42	N	2	o	29.87	— .22	42	37	—	1	N	2	c	3	48	34	0.07
	Stornoway ..	30.07	49	NE	4	o	29.86	— .36	42	42	—	3	E	6	r	5	51	36	0.10
	Wick ...	30.03	44	N	2	o	29.84	— .31	43	41	—	1	NE	4	o	2	49	39	0.15
	Nairn ...	30.02	49	NE	2	c	29.85	— .33	42	41	—	6	ENE	1	r	1	53	35	0.04
	Aberdeen...	30.03	49	N	2	bc	29.82	— .32	43	41	—	2	ENE	3	o	2	52	37	—
	Leith ...	30.02	52	E	3	c	29.81	— .37	51	47	+	5	WNW	2	bc	*	52	43	—
	Shields ...	30.05	45	ENE	2	c	29.81	— .34	49	47	+	4	ESE	2	b	3	49	42	—
	Spurn Head ...	30.06	49	NNE	2	bc	29.87	— .27	52	48	+	7	SSW	3	bc	3	52	42	—
	York ...	30.06	52	E	1	c	29.85	— .32	51	47	+	3	S	1	b	*	55	33	—
	Loughborough	30.06	55	E	2	c	29.89	— .28	53	48	+	5	SW	2	c	*	61	44	—
GERMANY.	Ardrossan ...	30.00	53	S	1	b	29.80	— .36	50	46	—	5	W	1	bc	1	58	41	—
	Malin Head ...	30.03	49	NNE	3	b	29.86	— .29	47	44	—	0	NNW	2	op	2	51	44	—
	Mullaghmore ...	30.00	62	NW	1	b	29.86	— .29	49	46	—	3	ENE	4	o	2	63	46	—
	Belmullet ...	30.04	54	NE	4	b	29.87	— .28	51	47	—	2	NE	4	b	*	56	45	—
	Donaghadee ...	30.03	55	SSW	2	b	29.84	— .33	50	47	—	1	NE	3	b	1	56	48	—
	Barrow-in-Furness	30.02	58	NW	2	b	29.83	— .34	53	50	+	3	SE	3	b	*	60	47	—
	Liverpool (Bidston)	30.03	55	WNW	1	b	29.85	— .32	59	51	+	7	ESE	1	b	1	64	43	—
	Holyhead ...	30.04	52	SSW	2	b	29.88	— .31	53	50	—	2	SSW	5	bc	4	57	47	—
	Parsonstown ...	29.99	68	L	0	bc	29.84	— .29	56	53	—	1	L	0	c	*	71	50	—
	Valencia ...	30.01	62	S	1	bm	29.83	— .28	60	53	—	0	ENE	1	bm	1	67	45	—
FRANCE & NETHERLANDS.	Roche's Point...	30.04	57	SSE	2	b	29.85	— .27	55	52	—	3	SSE	2	bm	3	62	44	—
	Pembroke ...	30.02	51	NW	2	b	29.89	— .26	51	50	+	2	SSE	2	b	2	74	46	—
	Scilly ...	30.02	51	E	5	bm	29.83	— .25	51	49	—	0	ESE	6	c	4	54	47	—
	Prawle Point ...	30.06	46	ENE	2	b	29.91	— .23	49	47	+	4	ENE	3	b	2	51	43	—
	Jersey ...	30.03	53	ENE	5	bm	29.91	— .19	55	50	+	6	E	3	bm	3	57	45	—
	Hurst Castle ...	30.07	52	SW	2	b	29.94	— .20	52	50	+	4	SSE	2	bc	1	61	41	—
	Dungeness ...	30.04	48	E	3	c	29.94	— .15	52	47	+	5	L	0	c	0	52	41	—
	London ...	30.06	53	NNE	2	bc	29.94	— .20	50	46	+	2	W	1	bc	*	55	37	—
	Oxford ...	30.04	50	NE	2	b	29.93	— .23	51	47	+	4	SW	1	bm	*	57	45	—
	Cambridge ...	30.06	50	N	1	c	29.92	— .22	52	47	+	2	SW	1	c	*	55	37	—
PENIN-SULA.	Yarmouth ...	30.07	48	N	2	or	29.94	— .17	50	45	+	4	SW	2	bc	3	50	41	—
	Cuxhaven ...	29.92	44	WNW	5	o	29.90	— .06	47	45	—	0	WNW	5	b	*	48	44	—
	Berlin ...	29.87	57	WNW	5	c	29.87	— .03	46	42	—	4	WNW	4	r	*	61	43	—
	Wiesbaden ...	*	*	*	*	*	29.98	— .05	49	43	+	1	N	2	o	*	59	41	—
	Munich ...	29.90	51	N	1	b	29.94	— .01	48	44	—	6	NW	3	b	*	63	37	—
	The Helder ...	30.00	46	NW	3	o	29.94	— .10	46	41	—	0	WNW	1	c	3	48	45	—
	Brussels ...	*	*	*	*	*	29.97	— .11	46	42	+	1	N	1	o	*	51	45	—
	Cape Gris Nez...	30.07	49	NE	3	c	29.97	— .13	47	43	+	1	SEW	1	o	1	54	43	—
	Paris ...	30.00	55	NNE	3	b	29.96	— .11	48	43	+	4	NNE	4	b	*	61	36	—
	Brest ...	30.01	61	E	4	b	29.89	— .18	52	49	+	2	SE	5	b	3	72	46	—



# WEATHER

# CHARTS

for 8 a.m. on

Sunday, 27<sup>th</sup> May,

1883.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

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

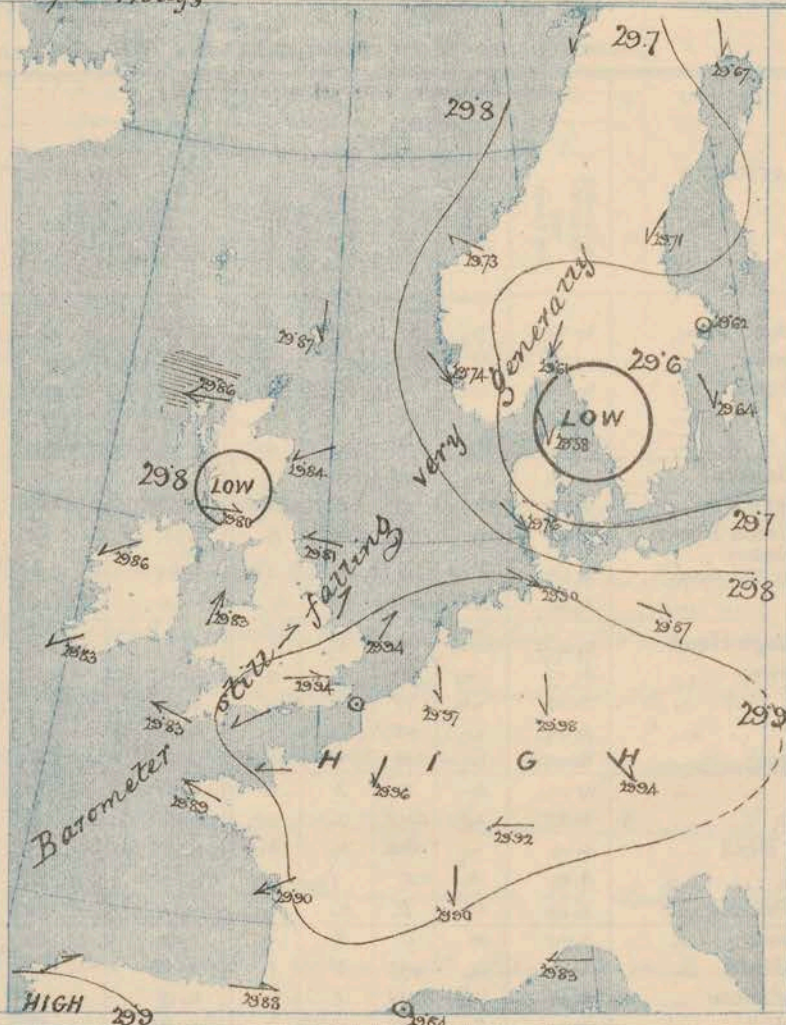
▨ = Rough ▨ = High.

## MEAN HEIGHT of the BAROMETER

at 6 a.m. for the month of May.

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.878
Stornoway	29.893
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Seilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



## 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.

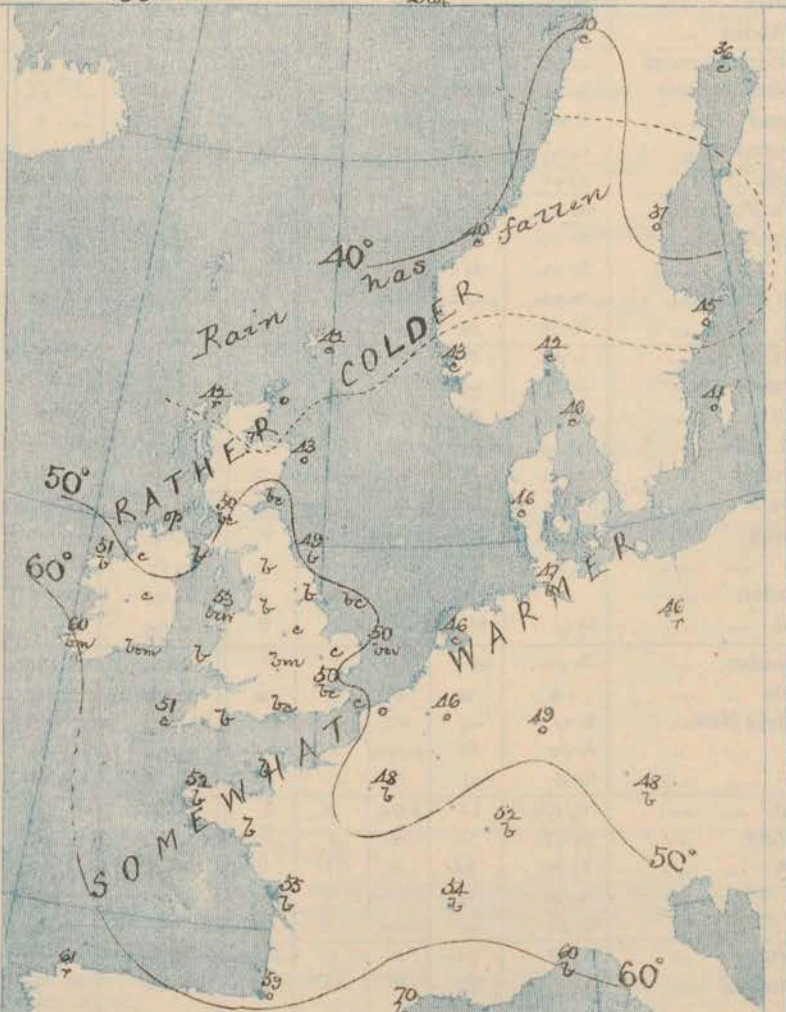
## MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of May

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	48.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.67
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.6	49.5	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Seilly	56.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.6	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	65.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	{ Highest, 29.9 in. and more over Germany, the north-east of France, and the southern parts of England and also over Spain. Apparently about same value over the Azores. Lowest, 29.6 in. and less, in a small depression over the south of Sweden, 29.5 in. and less, over Central Scotland and apparently off our south-west coast also. Gradients slight except over Holstein and part of North Germany. Barometer falling generally. Distribution of pressure becoming complex.
TEMPERATURE	{ Highest, 70° at Harpersburg, 61° at Corunna, 60° at Linton, Kici, and Valencia. Lowest, 36° at Haparanda, 37° at Helsingfors, 40° at Christianund, 43° at Aberdeen, and 46° at Berlin and Brussels. Very low for the time of year except in Southwest Ireland. Sharp ground frost over England early this morning.
WIND	{ Extremely variable, — chiefly NE. in Scotland and Ireland, SE. at the mouth of the Channel. NW. on the eastern shores of the North Sea. Variable airs prevail over England — N. breezes over Central France.
WEATHER	{ (Dull and rainy in Scotland and extreme north of Ireland; also in some parts of Germany; fair generally elsewhere, but with less settled appearance than observed lately.
SEA	{ Rather rough at Bournemouth, moderate at Holyhead and Lally, slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The high pressure area recently prevalent is dispersing completely, and the distribution of pressure is in a transitional state.

## FORECASTS

For the 24 hours ending at NOON on

1883.

### DISTRICTS.

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

### FORECASTS.

NONE ISSUED

### DISTRICTS.



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

### WARNINGS

### FORECASTS.

NONE ISSUED

NONE ISSUED

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.86	46	40	NW 8	c	5	Holyhead ...	30.09	56	51	SW 1	b	1
Sumburgh Head ...	30.04	42	41	NE 2	r	3	Valencia ...	30.06	67	59	SW 1	bm	1
Stornoway ...	30.14	50	45	NE 4	c	3	Scilly ...	30.07	53	49	ESE 6	c	4
Aberdeen ...	30.10	52	46	NNW 2	c	2	Jersey ...	30.07	56	52	ENE 4	bm	3
Shields ...	30.10	48	44	NE 3	c	3	Dungeness ...	30.08	50	47	ENE 3	c	2
Ardrossan ...	30.07	50	52	WSW 1	b	1	London ...	30.10	52	48	NNE 2	o	*
Malin Head ...	30.12	50	47	NNE 3	b	3	Yarmouth ...	30.10	50	45	NNE 3	cr	3
Mullaghmore ...	30.07	59	55	WNW 3	b	2	Rochefort ...	29.96	78	69	NE 3	b	2
Belmullet ...						*							

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

The reports for yesterday morning showed that pressure ranged from between 30.10 ins. and 30.22 ins. over the British Isles, and from rather above 29.9 ins. both over the Adriatic and the southern part of Spain to rather below 29.5 ins. in a shallow depression which lay over central Russia and to 29.7 ins. in a second disturbance lying over the north of Norway. The wind was strong from NE. over the Gulf of Finland and strong to gale from NW. on the eastern shores of the North Sea. In Germany it was NW., in the East of England N., in France and the Channel fresh from NE., and in Ireland light and variable from the E. The weather was cloudy in many places, and showery in some, with snow at Bodö; much rain had fallen at some Algerian stations. Temperature was low everywhere — the 8 am readings being below 68° over Algeria and the southern parts of the Mediterranean, and below 50° over nearly the whole of Great Britain and the North Sea. The highest individual values reported were 72° at Sfax and 71° at Biskra, (Algeria). 70° at Bilbao, 69° at Malta, 68° at Brindisi, Trieste and Corunna, 67° at Cagliari and Livorno, 64° at Nice and 60° at Valencia, Ireland; the lowest were 33° at Archangel and Haparanda, 35° at Haparanda and Uleaborg, 36° at Kuopio, 37° at St. Petersburg, 41° at Christianaund, 45° at Shields, and 48° in London.

The thermometer remained very low over England all day and at night frost occurred on the grass inland.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for *Monday 28<sup>th</sup> May 1888.*  
 Issued by the *Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.*

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force, (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force, (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.69	34	Z	0	c	29.76	+ .09	38	35	+ 2	Z	0	c	*	39	28	—	
	Hernösand ...	29.74	36	Z	0	bc	29.79	+ .08	41	38	+ 4	NE	2	c	*	43	34	—	
	Stockholm ...	29.61	41	SE	2	r	29.63	+ .01	41	39	— 4	Z	0	r	*	50	36	0.35	
	Wisby ...	29.63	41	S	2	0	29.77	+ .13	40	38	— 1	NNW	4	b	*	46	37	0.20	
	Bodö ...	29.71	38	NNE	4	c	29.74	+ .05	39	36	— 1	NNE	2	c	1	40	34	—	
	Christiansund...	29.75	39	NW	3	c	29.79	+ .06	38	36	— 2	S	2	s	3	41	34	0.12	
	Skudesnaes ...	29.73	42	NW	5	bc	29.78	+ .04	44	39	+ 1	NTW	4	bc	3	45	42	—	
	Christiania Fjord (Fjorder)	29.63	45	?	2	b	29.73	+ .12	42	39	0	N	3	c	1	48	39	0.35	
	Skagen (The Scaw)	29.63	44	NW	1	0	29.73	+ .15	46	41	0	NNW	1	b	1	54	37	0.04	
	Fanö ...	29.78	43	WSW	4	c	29.79	+ .03	42	41	— 4	WSW	1	r	*	50	41	0.12	
BRITISH ISLANDS.	Sumburgh Head	29.81	42	N	2	r	29.90	+ .03	45	41	+ 3	NNE	2	bc	2	45	34	0.09	
	Stornoway ..	29.80	42	E	6	bc	29.91	+ .05	46	42	+ 4	E	4	b	3	46	33	0.03	
	Wick ...	29.85	42	E	3	bc	29.92	+ .08	45	41	+ 2	NE	3	bc	2	48	30	0.03	
	Nairn ...	29.83	45	ENE	3	bc	29.90	+ .03	42	40	0	E	3	r	3	45	34	0.04	
	Aberdeen...	29.83	48	N	1	0	29.90	+ .06	47	42	+ 4	NNE	2	c	3	49	30	0.02	
	Leith ...	29.78	45	E	3	c	29.89	+ .08	49	43	— 2	NE	3	c	*	54	41	0.06	
	Shields ...	29.70	47	NE	2	0	29.83	+ .02	46	42	— 3	NE	2	bc	3	52	41	0.03	
	Spurn Head ...	29.67	57	SSW	3	c	29.78	— .09	48	45	— 4	NNE	4	c	3	64	44	0.03	
	York ...	29.67	60	W	3	c	29.81	— .04	47	44	— 4	NNW	2	0	*	68	45	—	
	Loughborough	29.71	63	SW	3	c	29.77	— .12	47	46	— 6	ENE	2	ogm	*	68	43	0.02	
GERMANY.	Ardrossan ...	29.74	50	NE	3	c	29.85	+ .05	49	45	— 1	ENE	4	bm	2	58	41	—	
	Malin Head ...	29.76	51	N	2	b	29.80	— .06	46	45	— 1	SE	3	bm	3	52	44	—	
	Mullaghmore ...	29.75	54	NE	5	c	29.79	— .07	48	45	— 1	E	4	om	2	58	44	—	
	Belmullet ...	29.78	51	NNE	5	b	29.80	— .07	49	44	— 2	NE	4	0	*	54	46	—	
	Donaghadee ...	29.74	50	NNE	3	b	29.82	— .02	46	44	— 4	NE	5	c	3	58	45	—	
	Barrow-in-Furber	29.72	53	W	3	bc	29.79	— .04	48	45	— 5	NE	4	0	*	57	46	—	
	Liverpool (Bidston)	29.73	53	NNW	2	0	29.78	— .07	49	46	— 10	ENE	3	0	3	65	47	—	
	Holyhead ...	29.76	51	Z	0	c	29.75	— .08	53	50	0	NE	3	c	2	53	46	0.05	
	Parsonstown ...	29.67	63	Z	0	c	29.75	— .09	52	49	— 4	Z	0	c	*	66	44	—	
	Valencia ...	29.68	59	WSW	1	b	29.71	— .12	54	52	— 6	Z	0	om	1	66	43	—	
FRANCE & NETHERLANDS.	Roche's Point...	29.72	55	SSE	3	bc	29.68	— .17	53	52	— 2	ESE	4	opm	4	58	50	0.01	
	Pembroke ...	29.74	54	SSE	2	bc	29.71	— .18	51	50	0	E	3	ag	2	55	46	—	
	Scilly ...	29.68	52	ESE	5	r	29.64	— .19	52	52	+ 1	ESE	2	f	3	55	49	0.16	
	Prawle Point ...	29.75	47	E	3	b	29.72	— .19	49	48	0	ENE	2	ag	1	52	42	0.02	
	Jersey ...	29.75	62	E	2	c	29.70	— .21	51	50	— 4	NW	2	om	2	64	50	0.08	
	Hurst Castle ...	29.78	53	E	2	b	29.71	— .23	53	51	+ 1	ENE	2	cm	1	56	45	—	
	Dungeness ...	29.76	51	Z	0	b	29.69	— .25	53	49	+ 1	E	2	bc	1	55	41	—	
	London ...	29.76	59	SSW	2	b	29.74	— .20	52	48	+ 2	E	1	om	*	64	40	—	
	Oxford ...	29.75	53	SSW	2	b	29.74	— .19	54	50	+ 3	ENE	1	cm	*	62	45	—	
	Cambridge ...	29.78	62	S	1	0	29.76	— .16	49	47	— 3	N	1	0	*	65	42	—	
PENIN- SULA.	Yarmouth ...	29.79	51	S	4	b	29.73	— .21	52	50	+ 2	NW	2	bc	2	52	44	—	
	Cuxhaven ...	29.90	44	WNW	3	c	29.86	— .04	48	46	+ 1	S	2	b	*	50	44	—	
	Berlin ...	29.80	52	WNW	1	bc	29.83	— .04	52	46	+ 6	SE	2	b	*	55	43	—	
	Wiesbaden ...	*	*	*	*	*	29.76	— .22	54	48	+ 5	Z	0	b	*	61	41	—	
	Munich ...	29.85	50	NE	2	b	29.78	— .16	61	54	+ 13	E	1	b	*	64	43	—	
	The Helder ...	29.82	49	SW	1	b	29.75	— .19	50	47	+ 4	S	1	b	1	55	41	—	
	Brussels ...	*	*	*	*	*	29.72	— .25	51	47	+ 5	WNW	1	b	*	59	40	—	
	Cape Gris Nez...	29.78	51	ENE	4	b	29.72	— .25	52	49	+ 5	E	3	b	1	57	45	—	
	Paris ...	29.75	65	Z	0	b	29.78	— .18	54	48	+ 6	NNE	3	b	*	69	43	—	
	Brest ...	29.71	54	S	4	r	29.75	— .14	54	53	+ 2	SSW	4	0	4	72	47	0.35	
PENIN- SULA.	Lorient ...	29.77	55	S	4	0	29.73	— .13	55	54	+ 3	WNW	3	bc	2	64	52	0.20	
	Rochefort ...	29.76	62	NW	4	0	29.77	— .13	58	55	+ 3	WNW	7	bc	2	81	?	0.32	
	Belfort ...	29.77	65	SE	1	b	29.71	— .21	63	55	+ 11	SW	1	b	*	71	56	—	
	Lyons ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Nice ...	29.82	64	WSW	1	b	29.84	+ .01	57	55	— 3	ENE	4	r	0	70	54	0.16	
	Perpignan ...	29.70	68	Z	0	0	29.70	— .14	57	53	— 13	WNW	1	b	*	78	55	0.32	
	Biarritz ...	29.77	59	NW	5	r	29.84	— .04	58	55	— 1	NW	9	o.c.l.	4	73	54	1.02	
PENIN- SULA.	Corunna ...	*	*	*	*	*	30.17	+ .18	59	54	— 1	NW	5	b	4	66	55	—	
	Lisbon ...	30.07	60	W	5	bc	*	*	*	*	*	*	*	*	*	*	*	*	



# WEATHER CHARTS

for 8 a.m. on

Monday, 28<sup>th</sup> May

1888.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

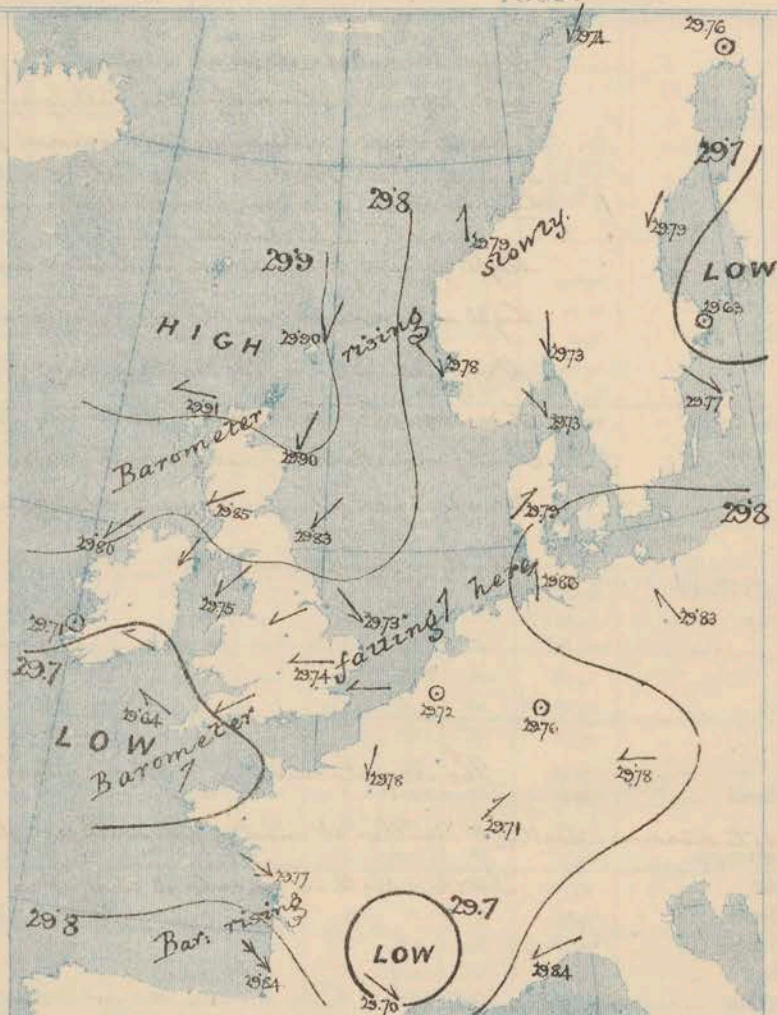
**Sea Disturbance**—where considerable is shown thus.

— Rough — High

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.875
Stornoway	29.893
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Scilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.906
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



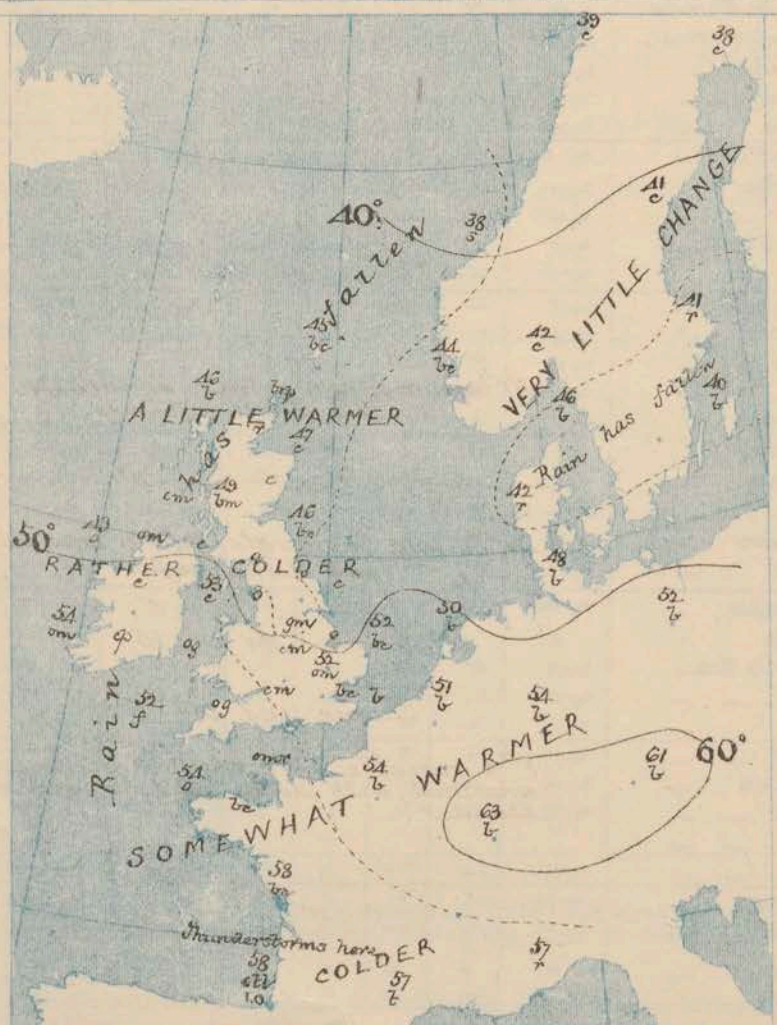
## TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

**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 May.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	50.2	39.9	45.0	43.0	1.71
Stornoway	52.0	40.7	43.4	45.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.0	42.0	48.4	45.0	1.67
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.3	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.0	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.6	42.2	51.2	47.6	1.96
Ardrossan	58.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.6	49.5	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	45.0	49.9	47.4	1.97
Scilly	56.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.5	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest 30.1 ins. and upwards over Portugal; 29.9 ins. and upwards in the extreme north of Scotland.  
Lowest 29.7 ins. and less in a shallow area lying over our southwest coasts, and also in a depression lying over the south of France.  
Gradients slight. Barometer falling in most parts of Ireland and England and also in the south of France but rising elsewhere.

## TEMPERATURE

Highest 63° at Belfast, 61° at Munich, 59° at Lisbon, 58° at Rochefort and Biarritz, and 57° at Perpignan and Nice.  
Lowest 38° at Naparanda and Christiansund, 39° at Rode, 40° at Ulsby, 41° at Hernösand and Stockholm, and 42° at Faerder and Naime.  
Slight ground frost occurred in London last night.

## WIND

Light or moderate from the NE<sup>W</sup> over our islands; variable on the eastern shores of the North Sea.  
Strong from NW over the southern part of the Bay of Biscay; light E<sup>ly</sup> or SE<sup>ly</sup> in Germany.  
Fine over the Netherlands, Germany and the east of our islands.

## WEATHER

Cloudy in most other localities with rain at some of our southwest and extreme northern stations and thunderstorms in the south of France.  
Rain fell yesterday in the southwest and north of our islands, but the amounts were in most cases very slight.

## SEA

Slight or smooth generally.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The irregularities in pressure which are appearing over France and the south of our islands are likely to occasion unsettled weather at most of our southern stations, with rain in many places and thunder locally.  
In the North no important change is likely at present.

## FORECASTS

For the 24 hours ending at NOON on

29<sup>th</sup> MAY

1883.

### DISTRICTS.

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

### FORECASTS.

NE<sup>W</sup> winds, light; fair generally, but local showers.  
D<sup>ly</sup> D<sup>ly</sup> D<sup>ly</sup>  
NE<sup>W</sup> winds, moderate; fair to unsettled and some rain.  
Same as N<sup>o</sup> 5.  
Same as N<sup>o</sup> 5.  
E<sup>ly</sup> to variable breezes; weather becoming unsettled, with some rain, and possibly thunder.



### DISTRICTS.

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

### FORECASTS.

Same as N<sup>o</sup> 0 and 1.  
NE<sup>W</sup> winds, moderate; cloudy, some rain.  
Same as N<sup>o</sup> 3 to 5.  
Same as N<sup>o</sup> 7.  
Same as N<sup>o</sup> 7.  
NONE ISSUED.

### WARNINGS

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.70	45	40	WNW	7	bc	4	Holyhead ...	29.81	51	49	SW	3	0	3
Sumburgh Head ...								Valencia ...							
Stornoway ...	29.87	44	41	E	6	0	5	Scilly ...							
Aberdeen ...								Jersey ...	29.81	60	55	ESE	2	6	2
Shields ...								Dungeness ...	29.80	54	47	SW	2	6	0
Ardrossan ...								London ...							*
Malin Head ...	29.81	52	48	N	2	6	2	Yarmouth ...							
Mullaghmore ...								Rocheport ...	29.83	73	65	SW	4	bc	2
Belmullet ...							*								

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

The reports for yesterday morning showed that the high pressure <sup>area</sup> over the British Islands was breaking up, while another one was appearing over Spain, and the depression which prevailed over Russia was falling up slowly. The distribution of pressure appeared to be, in fact, in a very transitional state, and readings varied from 29.9 ins. and more over Germany, central France and the southern half of Spain, to about 29.5 ins. over central Russia, to 29.6 ins. in a small depression over the south of Sweden, and to 29.8 ins. in another very shallow system lying over Scotland. The wind was light to moderate in force, but becoming very variable in direction, and although the weather remained fair in most places, the appearance of the sky was less settled than of late - the amount of cloud had increased in many places, and at a few stations rain was falling.

Temperature was low generally and very changeable; over England a sharp frost had occurred on the grass at inland stations. The 8 a.m. readings varied from rather above 70° at some of the Mediterranean stations and from 60° in the southwest of Ireland, to less than 40° over northern Europe. The highest individual values were 72° at Barcelona and Lette, 70° at Sfax (Tunis) and Perpignan, 68° at Brindisi, 63° at Malta, Palermo and Turin, 61° at Florence, and 60° at Valencia; the lowest were 33° at Archangel and Moscow, 34° at Uleaborg, 35° at St Petersburg, 36° at Haparanda, 37° at Kuopio, 39° at Memel, 41° at Ulsby & 44° at Leassel.

Later on there was no important change, excepting that snow fell at Christiansund, and in London the thermometer did not rise above 64° all day.

## 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> MAY 1888.

The distribution of pressure over northwestern Europe during this week has been continuously anticyclonic. The system was developed first over France on Sunday, 20<sup>th</sup>, where the readings varied in value from 30.2 ins. to 30.3 ins. Its centre then moved northwards reaching England on the following day, and Scotland and the south of Norway on Tuesday. The N.W. movement then ceased, and on Wednesday the system was moving slowly W. on Thursday night it lay over, and to the northwestward of Scotland, and in this position it remained till the end of the week. The intensity (or "height") of the anticyclone increased steadily as it moved northward, so that on Tuesday the maximum readings were very little below 30.6 ins. but after Thursday pressure began to give way slowly, and at the close of the week it was evident that the system was dispersing. The wind has been light to moderate in force during the week - W. at first, but subsequently N.W. and N.E. The weather has been fine, bright and dry; sometimes warm during the daytime, but latterly cold over Great Britain - and on Saturday night very frosty over England.

## EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for *Tuesday, 29<sup>th</sup> May* 1888.  
 Issued by the *Meteorological Office, 116, Victoria Street, London.* R. H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 5.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.85	33	Z	0	0	29.89	+ 13	40	37	+ 2	S	2	0	*	45	38	-	
	Hernösand ...	29.86	41	Z	0	0	29.97	+ 18	47	41	+ 6	E	2	0	*	55	30	-	
	Stockholm ...	29.83	40	Z	0	0	29.98	+ 15	45	40	+ 4	NNW	2	0	*	46	37	0.04	
	Wisby ...	29.86	45	SW	2	bc	29.99	+ 12	41	40	+ 1	EHL	2	0	*	52	36	-	
	Bodö ...	29.84	39	NNE	2	bc	29.91	+ 7	29	37	0	WSW	4	0	2	43	34	-	
	Christiansund...	29.88	42	N	2	bc	29.99	+ 20	42	40	+ 4	SE	1	bc	1	43	34	-	
	Skudesnaes ...	29.83	40	NW	6	0	30.02	+ 24	46	41	+ 2	NW	4	bc	3	43	?	-	
	Christiania Fjord (Færd)	29.89	43	S	2	0	29.99	+ 26	47	45	+ 5	NNE	2	0	1	43	?	-	
	Skagen (The Scaw)	29.88	42	Z	0	bc	30.00	+ 27	47	43	+ 1	N	1	0	0	55	39	-	
	Fanö ...	29.90	39	NNW	4	0	29.99	+ 20	47	42	+ 5	NNW	4	0	*	48	37	-	
BRITISH ISLANDS.	Sumburgh Head	29.96	41	NNE	1	7	30.02	+ 12	44	41	- 1	Z	0	bc	1	45	33	0.17	
	Stornoway ...	29.94	47	E	5	0	29.88	- 03	47	45	+ 1	SE	6	bc	4	49	40	-	
	Wick ...	30.00	49	NE	2	0	29.98	+ 06	48	45	+ 3	SSE	3	bc	2	50	29	0.01	
	Nairn ...	29.95	48	E	3	0	29.95	+ 05	46	41	+ 4	ESE	1	0	1	52	30	-	
	Aberdeen...	30.00	46	E	2	0	30.02	+ 12	48	42	+ 1	SSE	3	bc	2	50	31	-	
	Leith ...	29.95	48	E	2	0	29.97	+ 08	50	43	+ 1	E	4	0	*	52	34	-	
	Shields ...	29.95	46	EHL	3	bc	29.99	+ 16	44	41	- 2	ESE	3	0	3	51	41	-	
	Spurn Head ...	29.91	45	NE	4	0	30.01	+ 23	46	43	- 2	E	3	0	3	48	43	-	
	York ...	29.92	47	EHL	3	bc	30.01	+ 20	46	41	- 1	E	1	0	*	52	39	-	
	Loughborough	29.87	49	EHL	3	0	29.99	+ 22	48	45	+ 1	E	2	0	*	53	42	-	
GERMANY.	Ardrossan ...	29.90	52	EHL	1	0	29.91	+ 06	45	41	- 4	E	3	0	2	54	39	-	
	Malin Head ...	29.85	49	EHL	3	0	29.69	- 11	44	42	- 2	SE	5	om	4	51	44	0.02	
	Mullaghmore...	29.81	50	ESE	4	om	29.65	- 14	51	49	+ 3	SE	5	ogp	3	54	44	0.01	
	Belmullet ...	29.77	53	ESE	2	0	29.55	- 25	52	51	+ 3	SSE	6	0	*	56	48	0.13	
	Donaghadee ...	29.88	49	E	2	0	29.86	+ 04	44	44	- 2	SE	5	0	3	52	44	-	
	Barrow-in-Furness	29.88	50	NE	3	0	29.95	+ 16	44	41	- 4	EHL	4	0	*	53	42	-	
	Liverpool (Bidston)	29.86	50	EHL	4	0	29.92	+ 14	47	43	- 2	ESE	5	0	3	54	43	-	
	Holyhead ...	29.81	53	E	4	om	29.86	+ 11	54	49	+ 1	SSE	4	0	3	55	47	-	
	Parsonstown ...	29.77	58	E	1	0	29.69	- 06	52	51	0	SE	2	0	*	62	49	0.09	
	Valencia ...	29.74	56	SSE	4	em	29.63	- 08	56	54	+ 2	SSW	4	0	4	62	51	0.18	
FRANCE & NETHERLANDS.	Roche's Point...	29.77	54	EHL	3	bc	29.67	- 01	54	54	+ 1	SSE	7	0	5	56	52	0.12	
	Pembroke ...	29.73	54	SSE	2	0	29.83	+ 12	50	49	- 1	SE	5	0	3	56	47	-	
	Scilly ...	29.72	53	ESE	3	0	29.82	+ 18	56	55	+ 4	SSE	4	0	4	56	50	-	
	Prawle Point ...	29.77	51	EHL	2	0	29.91	+ 19	49	48	0	E	4	ogm	3	53	45	-	
	Jersey ...	29.77	57	E	2	0	29.92	+ 22	55	52	+ 4	ESE	3	om	3	59	50	0.02	
	Hurst Castle ...	29.79	55	NE	2	m	29.95	+ 24	53	52	0	E	3	em	1	61	48	-	
	Dungeness ...	29.75	52	EHL	4	0	29.95	+ 16	50	47	- 3	EHL	5	0	2	57	48	0.04	
	London ...	29.82	54	NNE	2	0	29.97	+ 23	51	47	- 1	E	2	0	*	62	47	-	
	Oxford ...	29.88	47	NE	1	7	29.98	+ 24	48	45	- 6	EHL	1	og	*	55	44	0.01	
	Cambridge ...	29.85	49	N	2	0	29.99	+ 23	50	46	+ 1	EHL	1	0	*	58	46	-	
PENIN- SULA.	Yarmouth ...	29.82	48	NNE	5	0	29.98	+ 25	47	44	- 5	EHL	5	CV	4	54	44	-	
	Cuxhaven ...	29.82	51	NNE	4	0	29.92	+ 06	51	49	+ 3	EHL	4	0	*	55	48	-	
	Berlin ...	29.74	63	NE	3	bc	29.84	+ 01	59	51	+ 7	NE	3	0	*	73	48	-	
	Wiesbaden ...	*	*	*	*	*	29.81	+ 05	62	59	+ 8	WSW	4	0	*	73	?	-	
	Munich ...	29.71	58	Z	0	0	29.82	+ 04	56	53	- 5	SW	4	0	*	77	50	0.04	
	The Helder ...	29.81	51	NE	4	0	29.95	+ 20	49	46	- 1	NE	4	0	3	57	48	-	
	Brussels ...	*	*	*	*	*	29.89	+ 17	49	49	- 2	N	3	0	*	70	48	0.55	
	Cape Gris Nez...	29.77	49	NE	5	0	29.91	+ 19	49	47	- 3	NE	5	0	4	59	46	0.04	
	Paris ...	29.75	56	NNW	3	0	29.95	+ 17	52	49	- 2	SW	1	0	*	63	45	0.16	
	Brost ...	29.78	56	SW	4	0	29.95	+ 20	54	52	0	W	1	0	5	72	46	-	



# WEATHER

# CHARTS

for 8 a.m. on

Tuesday, 29<sup>th</sup> May,

1882.

## 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.

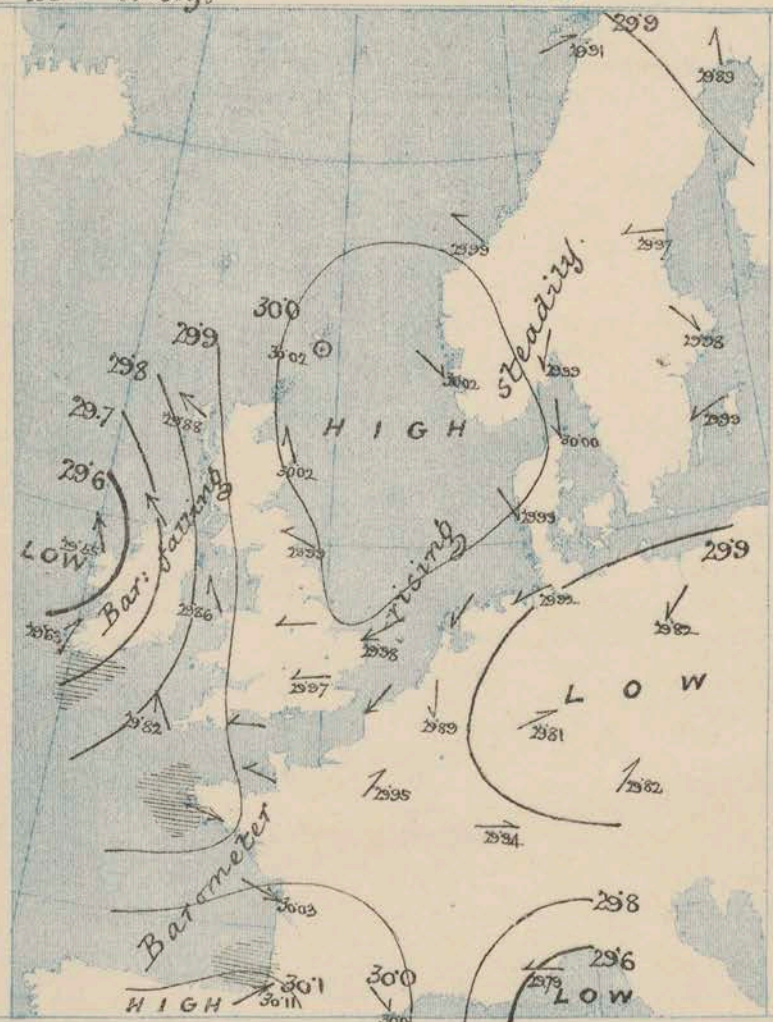
**Sea Disturbance** — where considerable, is shown thus.

▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.878
Stornoway	29.893
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Scilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



## 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.

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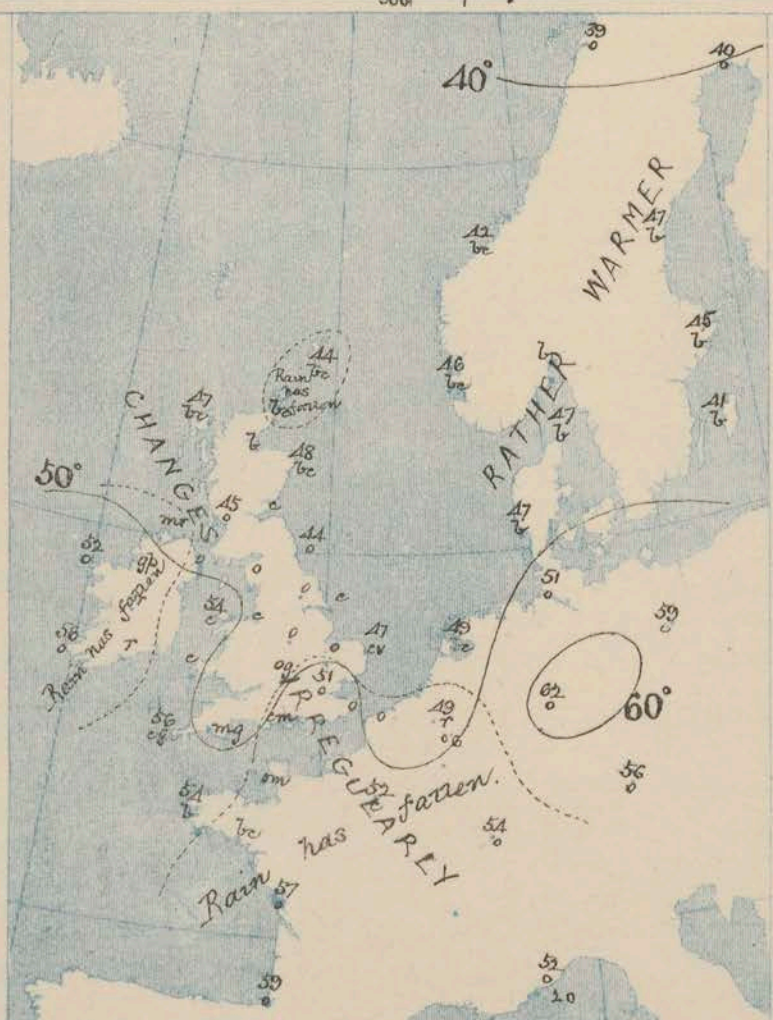
## MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of May

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	48.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.67
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.6	49.5	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	48.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.6	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Scilly	56.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.5	50.4	1.71
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.21 ins: at Lisbon, 30.0 ins: and upwards in a large anticyclone lying over the North Sea and the south of Norway.  
Lowest, 29.6 ins: in a depression lying off the coast of Ireland, 29.8 ins: and less, over the Gulf of Genoa.  
Indicates moderately steep over our western coast, but slight elsewhere.  
Barometer rising at all but our western stations.

## TEMPERATURE

Highest, 62° at Newcastle, 61° at Lisbon, 59° at Berlin and Rhenish, 57° at Rochefort, and 56° at Palermo, Dublin, Lorient, and Marseilles.  
Lowest, 39° at Bodo, 40° at Haparanda, 41° at Nisby, 42° at Christiansund, and 44° at Leningrad, St. Petersburg, Malm Head, Douglashead, and Harwich.  
Frost occurred last night in the north of Scotland.

## WIND

Fresh or strong from the SE<sup>ly</sup> on our coast and northwest coasts; moderates from E. in the east and south.  
Strong from W. over the Bay of Biscay, moderate from SW. over South Germany.  
Light or moderate from the NW<sup>ly</sup> on the eastern shore of the North Sea.  
Fine in Scandinavia, Denmark, and the north and east of Scotland.

## WEATHER

Cloudy or overcast elsewhere, with rain in Ireland.  
Slight rain fell yesterday at several of our southern stations.

## SEA

Rather rough at Rochefort, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the west will probably move northwards, and the E<sup>ly</sup> winds in the north are likely to freshen considerably.

The distribution of pressure to the southward of our islands is still rather irregular, and rain is not unlikely in the south and southeast generally.

## FORECASTS

for the 24 hours ending at NOON on 30<sup>th</sup> May

1888.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	SE <sup>ly</sup> and S <sup>ly</sup> winds, freshening; fair to unsettled and some rain.
1	SCOTLAND EAST	----- D° ----- D° ----- D° -----
2	ENGLAND N.E.	E <sup>ly</sup> winds, moderate or fresh; fair generally.
3	ENGLAND EAST	----- D° ----- D° ----- D° -----
4	MIDLAND COUNTIES	Same as No 5
5	ENGLAND SOUTH	E <sup>ly</sup> to variable breezes; cloudy, some rain.



### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	E <sup>ly</sup> to SE <sup>ly</sup> winds, freshening, cloudy, some rain
7	ENGLAND N.W.	----- D° ----- D° ----- D° -----
8	ENGLAND S.W.	S <sup>ly</sup> to SW <sup>ly</sup> winds, fresh; cloudy, some rain
9	IRELAND NORTH	SE <sup>ly</sup> and S <sup>ly</sup> winds, strong; drizzle, some rain
10	IRELAND SOUTH	Same as No 8

### WARNINGS

NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.84	49	42	NW 6	b	4	Holyhead ...	29.79	54	50	E 4	om	4
Sumburgh Head ...	29.95	37	37	NNE 1	r	2	Valencia ...	29.75	59	55	S 2	om	3
Stornoway ...	29.94	49	45	E 5	b	4	Scilly ...	29.70	54	53	ESE 4	l	3
Aberdeen ...	29.95	48	43	E 2	b	2	Jersey ...	29.76	58	54	NW 2	o	0
Shields ...	29.90	49	44	EHE 2	bc	3	Dungeness ...	29.73	54	50	E 4	c	2
Ardrossan ...	29.86	53	46	EHE 3	c	2	London ...	29.77	59	54	NE 2	u	*
Malin Head ...	29.84	49	45	ESE 3	c	2	Yarmouth ...	29.79	51	48	N 4	c	3
Mullaghmore ...	29.80	52	47	ESE 4	om	2	Rochefort ...	29.68	60	57	NW 8	bc	2
Belmullet ...	29.79	55	50	NE 2	c	*							

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

Yesterday morning's reports showed that the distribution of pressure over Europe was of a complex character, although the different systems observed were of slight intensity. Readings varied from 30.1 ins: and more, over the southwest of Spain, 30.0 ins: over the Black Sea and Southern Russia and 29.9 ins: over the north of Scotland to rather below 29.6 ins: in a small depression lying near Limerick and to rather below 29.7 ins: in two others — one lying over Sweden and the Baltic, and the other off our own southwestern coasts. The wind was consequently very variable, but mainly N<sup>W</sup> and NE<sup>W</sup> over the British Islands, and strong to a gale from NW over the Bay of Biscay. The weather was less settled than of late, rain had fallen at several stations — especially in the west and southwest of France, where it had been accompanied by thunder and lightning in several places. Temperatures continued low, ranging from between 60° and 70° over the Mediterranean to between 45° and 50° over the northern parts of our Islands and to less than 40° over Northern Europe. Frost had occurred at some of our inland stations during the night. The highest 8 a.m. readings were 73° at Algiers (Algeria) 68° at Brindisi, 67° at Leghieri, 65° at Malta, 63° at Livorno, Rome and Belfast, 62° at Bilbao and Genoa, but only 57° at Nice and Perpignan, 54° at Valencia and 52° in London; the lowest were 37° at Tripoli, 38° at Christiansund and Haparanda, 39° at Uleaborg and Rode and 42° at Tunis.

Later in the day the barometer began to fall briskly in Ireland.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Wednesday 30<sup>th</sup> May

1888.

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

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	30.00	36	S	2	0	30.07	+ .18	44	40	+ 4	Z	0	bc	*	48	30	—	
	Hernösand ...	30.11	45	Z	0	b	30.19	+ .22	47	40	+ 0	SE	2	c	*	54	30	—	
	Stockholm ...	30.12	42	SW	2	bc	30.20	+ .22	55	45	+ 10	SSE	2	b	*	55	32	—	
	Wisby ...	30.16	41	E	2	b	30.24	+ .22	50	41	+ 9	E	2	b	*	57	36	—	
	Bodö ...	30.03	38	WSW	4	0	30.04	+ .13	41	39	+ 2	SE	2	c	*	59	34	0.16	
	Christiansund...	30.07	45	NNE	1	b	29.95	— .04	46	41	+ 4	ESE	4	b	1	46	36	—	
	Skudesnaes ...	30.06	45	NW	1	b	29.87	— .15	50	45	+ 4	SE	6	0	4	50	45	—	
	Christiania Fjord (Fjorder)	30.08	52	WSW	2	b	30.08	+ .09	50	46	+ 3	SSE	3	b	1	54	46	—	
	Skagen (The Scaw)	30.08	49	Z	0	b	30.06	+ .06	52	49	+ 5	SSE	1	b	1	59	46	—	
	Fanö ...	30.04	47	SE	2	bc	29.91	— .08	50	47	+ 3	SE	6	c	*	59	45	—	
BRITISH ISLANDS.	Sumburgh Head	29.96	45	SSE	3	c	29.55	— .47	45	41	+ 1	SSE	5	0	6	48	42	—	
	Stornoway ..	29.65	46	SE	6	r	29.19	— .69	47	46	+ 0	SE	4	r	3	49	43	0.89	
	Wick ...	29.83	45	SSE	7	0	29.27	— .71	46	45	+ 2	SSE	7	0	7	50	42	0.08	
	Nairn ...	29.74	45	SE	3	r	29.21	— .74	51	49	+ 5	ESE	3	c	3	55	43	0.02	
	Aberdeen...	29.90	44	SSE	6	0	29.32	— .70	48	47	+ 0	S	7	09	6	51	43	0.37	
	Leith ...	29.78	51	SE	4	0	29.29	— .68	56	51	+ 6	S	4	c	*	56	45	—	
	Shields ...	29.87	45	SE	6	0	29.41	— .58	56	53	+ 12	S	6	c	4	56	40	0.25	
	Spurn Head ...	29.90	48	SE	6	c	29.59	— .42	55	53	+ 9	SSW	5	bc	3	55	45	0.16	
	York ...	29.90	51	E	4	0	29.52	— .43	56	52	+ 10	S	5	bc	*	58	45	0.26	
	Loughborough	29.87	58	ESE	3	0	29.61	— .33	55	52	+ 7	SSW	4	09	*	61	48	0.27	
GERMANY.	Ardrossan ...	29.67	48	E	2	rm	29.25	— .66	50	49	+ 5	S	5	0	4	50	44	1.79	
	Malin Head ...	29.48	50	SSE	4	0	29.07	— .61	49	49	+ 5	S	1	or	0	50	44	0.53	
	Mullaghmore ...	29.45	50	SSE	2	opg	29.12	— .53	52	51	+ 1	WSW	7	opg	5	56	48	0.41	
	Belmullet ...	29.40	51	S	4	0	29.24	— .31	53	52	+ 1	W	5	0	*	55	49	0.46	
	Donaghadee ...	29.62	48	SSW	3	r	29.27	— .59	52	51	+ 8	SSW	4	0	3	52	44	1.84	
	Barrow-in-Furness	29.71	55	E	6	0	29.42	— .53	53	51	+ 9	SSE	6	op	*	55	44	0.31	
	Liverpool (Bidston)	29.74	58	ESE	5	0	29.49	— .43	53	49	+ 6	SSW	3	0	3	57	47	0.08	
	Holyhead ...	29.67	53	S	5	rmg	29.44	— .42	51	50	+ 3	SSW	6	rmg	6	58	48	0.24	
	Parsonstown ...	29.51	52	S	1	r	29.38	— .31	52	50	+ 0	SW	3	0	*	56	38	0.68	
	Valencia ...	29.39	53	SSE	6	rm	29.55	— .08	53	50	+ 3	W	5	09	5	56	49	0.89	
FRANCE & NETHERLANDS.	Roche's Point...	29.49	52	SSW	6	r	29.51	— .16	53	52	+ 1	W	7	rq	5	55	50	0.85	
	Pembroke ...	29.67	50	S	6	r	29.58	— .25	52	51	+ 2	SSW	6	cq	6	52	45	0.29	
	Scilly ...	29.72	54	SSW	6	r	29.73	— .09	55	53	+ 1	WSW	6	c	6	57	50	0.26	
	Prawle Point ...	29.83	50	SE	4	f	29.74	— .17	51	51	+ 2	SW	6	omu	5	51	46	0.24	
	Jersey ...	29.90	61	SSE	3	cq	29.85	— .07	57	55	+ 2	WSW	3	ogm	3	63	53	0.17	
	Hurst Castle ...	29.89	54	SSE	3	cm	29.73	— .22	53	52	+ 0	WSW	6	cm	2	60	51	0.28	
	Dungeness ...	29.94	52	ENE	5	bc	29.75	— .20	51	51	+ 1	SW	4	r	3	55	48	0.06	
	London ...	29.92	54	E	3	0	29.72	— .25	59	54	+ 8	WSW	3	bc	*	62	50	0.20	
	Oxford ...	29.84	56	SE	3	0	29.68	— .30	55	51	+ 7	SSW	4	0	*	62	48	0.27	
	Cambridge ...	29.92	52	ESE	1	0	29.66	— .33	58	55	+ 8	SW	2	bc	*	64	47	0.28	
PENINSULA.	Yarmouth ...	29.98	49	ESE	4	bc	29.71	— .27	55	54	+ 8	SSW	4	c	4	55	45	0.12	
	Cuxhaven ...	30.00	51	E	4	0	29.98	+ .06	52	49	+ 1	SE	4	0	*	55	49	—	
	Berlin ...	29.94	61	NNE	4	c	29.99	+ .15	58	52	+ 1	ESE	3	b	*	68	48	—	
	Wiesbaden ...	*	*	*	*	*	30.08	+ .27	58	53	+ 4	SW	3	c	*	68	41	—	
	Munich ...	29.99	52	SW	5	0	30.07	+ .25	55	52	+ 1	SW	4	0	*	63	48	0.24	
	The Helder ...	29.99	51	NE	3	c	29.82	— .13	54	52	+ 5	S	4	0	2	55	?	—	
	Brussels ...	*	*	*	*	*	29.89	— .00	57	54	+ 8	S	1	0	*	57	49	0.04	
	Cape Gris Nez...	29.99	51	ENE	5	b	29.79	— .12	54	53	+ 5	SW	5	0	4	57	48	0.04	
	Paris ...	29.99	63	SE	1	c	29.96	+ .01	56	54	+ 4	SW	5	0	*	67	50	—	
	Brest ...	29.95	55	SW	5	0	29.91	— .04	55	51	+ 1	WSW	8	0	5	72	46	0.16	

For Explanation of Columns, see p. 4.

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



for 8 a.m. on WEDNESDAY 30<sup>th</sup> May, 1883.

(Explanation of Map

Sea Disturbance — where considerable is shewn thus.

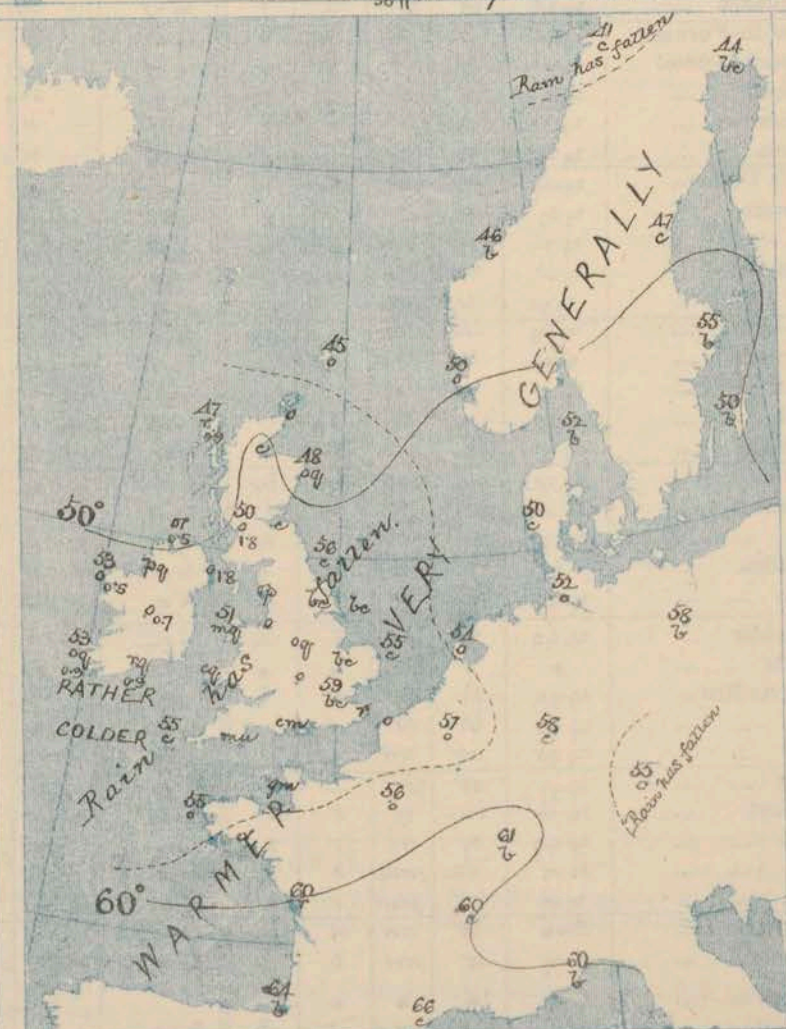
at 6 a. m. for the month of May.  
During the 15 Years 1871—1885

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

Weather is shown by Letters of the Beaufort Scale.

MEANS OF TEMPERATURE IN SHADE.  
AND RAINFALL.  
*for the month of May.*

NOTE—The Temperature means are for the 45 years 1871–85, the Rainfall means are mainly those for the 20 years 1866–85





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.2 ins. and upwards over the Baltic, and also over Portugal. Lowest 29.1 ins. and less in a depression lying off the west of Scotland. Gradients steep over our Islands and the North Sea, but moderate elsewhere. Barometer falling briskly on our north and northeast coasts, but rising again in the southwest.
TEMPERATURE	Highest 66° at Perpignan, 64° at Biarritz, 63° at Lisbon, 61° at Belfast, 60° at Rochefort and Lyons, and 59° in London. Lowest 41° at Rode, 44° at Haparanda, 45° at Lomburgh Head, 46° at Christiansund and Wiek, and 47° at Hernösand and Stornoway.
WIND	Very strong from the SW or W in the west and south of our Islands and the west of France. Strong from SE on the eastern shores of the North Sea; moderate gales from the same quarter reported in the North of Scotland. During last night fresh gales from the S <sup>W</sup> were experienced at several of our western and northern stations.
WEATHER	Fine in Scandinavia, Denmark the east of England and the south of France. Cloudy or overcast elsewhere with showers at several of our western and southern stations. Heavy rain has fallen in the west and northwest, the largest amounts being 1.8 ins. at Ardrossan and Donaghadee and 0.9 ins at Stornoway, Valencia and Roche's Point.
SEA	High at Wiek and rough or rather so on our southwest, west and north coasts generally.


## PROBABLE CHANGES IN SYSTEM NOW PREVALENT


The depression off the west of Scotland will probably travel away in a northerly direction, but with the present distribution of pressure other disturbances are likely to approach our west coasts shortly. Showery unsettled weather may therefore be expected to continue in most districts.

## FORECASTS

for the 24 hours ending at NOON on 31<sup>st</sup> MAY 1883.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S <sup>W</sup> strong winds and gales, moderating later; squally, some rain.	6 SCOTLAND WEST	S <sup>W</sup> to S <sup>W</sup> winds, strong; squally, showery.
1 SCOTLAND EAST	.....D.....D.....D.....	7 ENGLAND N. W.	.....D.....D.....D.....
2 ENGLAND N. E.	.....D.....D.....D.....	8 ENGLAND S. W.	S <sup>W</sup> and W winds strong, a gale in places; squally, showery.
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	S <sup>W</sup> winds, fresh; squally, showery	WARNINGS	

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

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

The SOUTH CONE was hoisted yesterday in districts 0 to 2, 6 to 10 and part of 5.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.05	50	42	NW	4	b	3	Holyhead ...	29.75	57	52	SSE	5	omq	5
Samburgh Head ...	30.02	46	42	SSE	1	bc	2	Valencia ...	29.54	56	54	S	6	r	6
Stornoway ...	29.78	48	46	SE	3	0	3	Scilly ...	29.73	54	54	SSE	6	rf	5
Aberdeen ...	29.98	49	43	SSE	5	0	3	Jersey ...	29.94	63	58	S	3		3
Shields ...	29.95	47	44	ESE	5	0	4	Dungeness ...	29.97	53	50	ENE	5	bc	3
Ardrossan ...	29.80	48	46	E	3	r	2	London ...	29.98	50	52	ESE	3	bc	*
Malin Head ...	29.58	49	47	SSE	6	0	4	Yarmouth ...	30.00	52	48	ENE	4	b	3
Mullaghmore ...	29.56	54	52	SE	5	og	3	Rocheport ...	30.08	65	60	W	5	0	2
Belmullet ...	29.57	54	53	S	5	rw	*								

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

The reports for yesterday morning showed that pressure varied from rather above 30.1 ins. both over the south of Spain and southern Russia, to about 29.6 ins. in the extreme west of Ireland, to between 29.7 ins. and 29.8 ins. in a large shallow depression lying over central Europe, and to 29.9 ins. over northern Europe. The distribution was therefore complex, but gradients were slight. The wind was very variable; strong from W. and NW over the Bay of Biscay and south of France, NE  $\frac{1}{2}$  on our southeast coasts, S  $\frac{1}{2}$  in Ireland and SE  $\frac{1}{2}$  to SW  $\frac{1}{2}$  over Norway and Lapland.

The weather was becoming more and more showery, and thunderstorms had occurred in many parts of France, Germany and Poland. Temperature was unsteady and ranged from 70° and more over several parts of the Mediterranean to rather below 40° over northern Europe. The highest 8 a.m. values were 75° at Baghdad, 73° at Biskra (Algeria), 70° at Brindisi, 67° at Malta, Palermo and Barcelona, 65° at Budapesth, 64° at Odessa, 62° at Nicolaieff, 59° at Biarritz, and 56° at Valencia; the lowest were 37° at Archangel, 39° at Rodo, 40° at Haparanda, 42° at Hangö, and 44° at Samburgh Head and Shields.

Towards night the barometer began to fall in Ireland and a new and well marked depression advanced towards our Islands from the Atlantic.

### 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> May* 1888.  
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	30.15	38	S	2	b	30.06	- 01	45	41	+ 1	S	4	0	*	50	32	-	
	Hernösand ...	30.11	44	SSW	6	c	29.95	- 24	43	39	- 4	S	2	0	*	54	32	-	
	Stockholm ...	30.10	45	ESE	2	c	29.84	- 36	57	50	+ 2	SE	6	0	*	59	36	-	
	Wisby ...	30.14	44	E	4	b	29.84	- 37	55	50	+ 5	S	6	0	*	57	34	-	
	Bodö ...	29.89	44	ENE	2	o	29.63	- 41	46	44	+ 5	SE	2	0	1	?	39	-	
	Christiansund...	29.65	54	S	2	o	29.44	- 51	55	47	+ 9	ESE	6	0	2	57	?	-	
	Skudesnaes ...	29.60	46	ESE	6	r	29.52	- 35	46	45	- 4	SSE	6	r	5	50	46	-	
	Christiania Fjord (Færdet)	29.88	51	SSE	4	r	29.65	- 43	50	50	0	SSE	4	0	4	55	48	0.24	
	Skagen (The Seaw)	29.83	51	S	4	o	29.67	- 39	51	51	- 1	S	3	0	3	55	48	0.08	
	Fanö ...	29.76	53	S	4	c	29.73	- 18	51	49	+ 1	SW	4	c	*	55	48	0.08	
BRITISH ISLANDS.	Sumburgh Head	29.25	47	SE	5	o	29.27	- 28	47	46	+ 2	S	1	0	4	48	43	0.12	
	Stornoway ..	29.16	50	W	4	o	29.30	+ 11	47	46	0	W	5	r	4	51	44	0.08	
	Wick ...	29.16	52	NW	1	r	29.29	+ 02	52	49	+ 6	SW	3	c	3	58	49	0.35	
	Nairn ...	29.20	54	WSW	2	o	29.33	+ 12	53	49	+ 2	SW	2	c	2	58	45	0.15	
	Aberdeen...	29.19	52	SSW	3	c	29.31	- 01	52	47	+ 4	WSW	3	bc	3	57	46	0.03	
	Leith ...	29.31	57	SW	5	o	29.46	+ 17	51	47	- 5	W	5	c	*	58	45	0.01	
	Shields ...	29.44	55	SW	5	o	29.53	+ 12	51	49	- 5	SW	4	op	2	61	45	0.03	
	Spurn Head ...	29.60	59	SW	6	bc	29.73	+ 14	52	48	- 3	SW	5	c	3	62	46	0.03	
	York ...	29.57	56	SSW	5	o	29.66	+ 14	51	47	- 5	WSW	5	c	*	62	46	-	
	Loughborough	29.65	59	WSW	4	c	29.79	+ 18	53	48	- 2	WSW	6	cq	*	63	45	-	
GERMANY.	Ardrossan ...	29.36	50	SW	4	p	29.53	+ 28	54	49	+ 4	W	5	cq	4	57	41	0.12	
	Malin Head ...	29.34	43	W	5	o	29.59	+ 52	47	45	- 2	WNW	5	cq	4	56	45	0.32	
	Mullaghmore ...	29.34	48	W	8	oq	29.74	+ 62	49	47	- 3	NW	7	cq	6	57	46	0.09	
	Belmullet ...	29.55	52	WNW	6	cp	29.83	+ 59	51	47	- 2	WNW	6	c	*	53	48	0.07	
	Donaghadee ...	29.48	54	W	4	c	29.66	+ 39	52	48	- 2	W	5	c	3	60	50	0.06	
	Barrow-in-Furness	29.51	52	SW	7	o	29.64	+ 22	50	48	- 3	SW	7	o	*	54	48	0.03	
	Liverpool (Bidston)	29.60	55	SW	9	c	29.73	+ 24	52	47	- 1	WSW	7	bc	4	58	46	-	
	Holyhead ...	29.61	53	SW	5	bc	29.79	+ 35	53	50	+ 2	WSW	5	cq	5	56	47	0.04	
	Parsonstown ...	29.66	50	S	3	c	29.86	+ 48	52	48	0	W	4	bc	*	56	47	0.02	
	Valencia ...	29.79	53	W	5	cq	29.99	+ 44	53	50	0	NW	4	cq	4	58	49	-	
FRANCE & NETHERLANDS.	Roche's Point...	29.74	56	W	5	b	29.93	+ 42	54	50	+ 1	W	5	bc	4	60	48	0.02	
	Pembroke ...	29.75	51	WSW	6	b	29.92	+ 34	50	49	- 2	WSW	6	bc	6	53	48	-	
	Scilly ...	29.88	65	WSW	5	c	30.03	+ 30	55	51	0	W	4	c	5	59	50	-	
	Prawle Point ...	29.88	51	WSW	4	c	30.02	+ 28	52	49	+ 1	WSW	4	b	3	55	46	-	
	Jersey ...	29.94	57	W	4	b	30.07	+ 22	54	53	- 3	WSW	4	cm	3	59	51	-	
	Hurst Castle ...	29.84	54	WSW	7	c	29.99	+ 26	54	52	+ 1	W	6	bc	3	57	50	-	
	Dungeness ...	29.80	53	SW	6	c	29.94	+ 19	53	51	+ 2	W	6	o	5	57	50	-	
	London ...	29.77	60	SW	3	c	29.94	+ 22	54	49	- 5	WSW	4	c	*	64	46	-	
	Oxford ...	29.81	52	SW	4	b	29.90	+ 22	53	47	- 2	W	4	b	*	61	46	-	
	Cambridge ...	29.72	58	SW	3	b	29.86	+ 20	55	49	- 3	SW	3	b	*	64	44	0.02	
PENIN- SULA.	Yarmouth ...	29.70	61	W	4	bc	29.83	+ 12	53	47	- 2	W	5	bc	3	62	45	0.03	
	Cuxhaven ...	29.89	53	SW	2	m	29.86	- 12	55	54	+ 3	SW	3	f	*	63	52	0.06	
	Berlin ...	29.88	71	SW	2	b	29.93	- 06	58	56	0	W	1	r	*	81	55	0.04	
	Wiesbaden ...	*	*	*	*	*	30.04	- 04	60	56	+ 2	W	1	o	*	72	54	0.20	
	Munich ...	30.07	56	SW	1	c	30.07	00	58	55	+ 3	SW	3	o	*	66	48	0.04	
	The Helder ...	29.77	53	SW	4	o	29.86	+ 04	52	49	- 2	SW	4	bc	3	59	50	0.12	
	Brussels ...	*	*	*	*	*	30.00	+ 11	55	51	- 2	WSW	5	bc	*	62	50	0.04	
	Cape Gris Nez...	29.83	54	WSW	7	b	29.96	+ 17	53	50	- 1	WSW	5	m	4	57	48	-	
	Paris ...	29.95	64	SW	5	c	30.11	+ 15	56	53	0	SW	1	o	*	69	53	-	
	Brest ...	30.03	57	N	4	o	30.11	+ 20	54	51	- 1	SW	0	o	5	66	46	-	

For Explanation of Columns, see p. 4.

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



# WEATHER CHARTS

for 8 a.m. on Thursday, 31<sup>st</sup> May, 1882.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

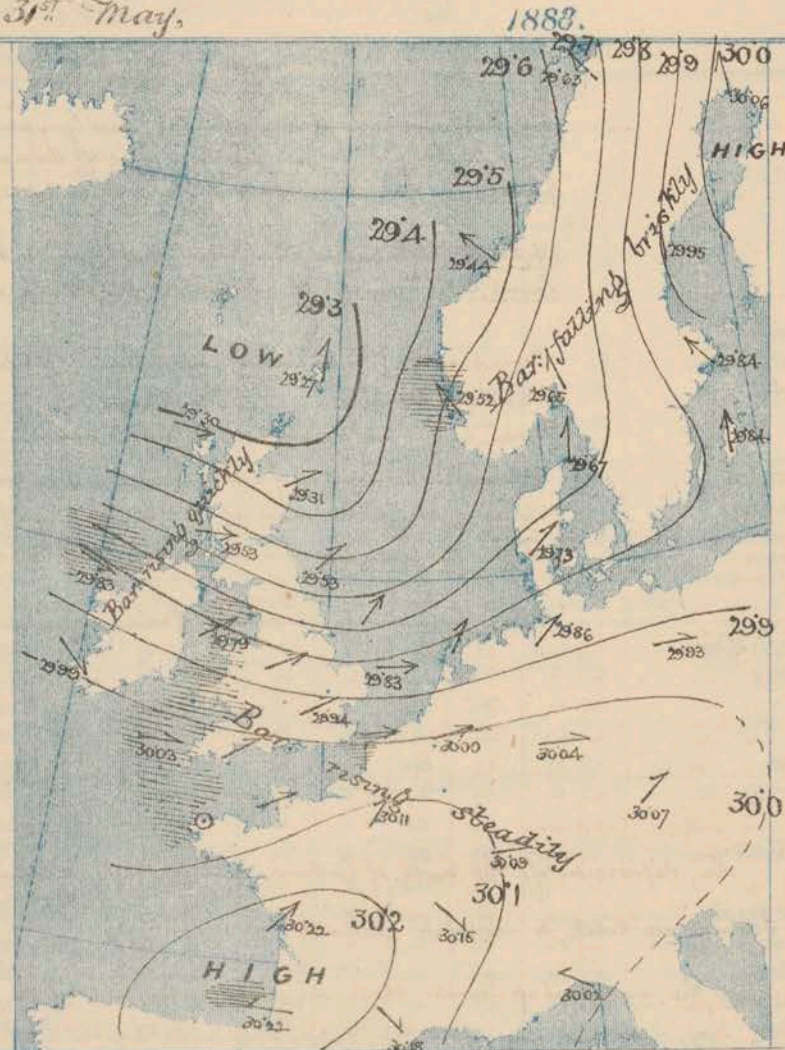
**Sea Disturbance** — where considerable is shewn thus.

— = Rough. — = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.878
Stornoway	29.893
Wick	29.906
Nairn	29.918
Aberdeen	29.922
Leith	29.942
Shields	29.955
York	29.974
Loughborough	29.984
Ardrossan	29.949
Donaghadee	29.959
Holyhead	29.971
Liverpool	29.974
Parsonstown	29.976
Valencia	29.984
Roche's Point	29.979
Pembroke	29.977
Scilly	29.997
Jersey	30.002
Hurst Castle	29.994
Dover	29.985
LONDON	29.995
Oxford	29.993
Cambridge	29.989
Yarmouth	29.980



## 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.

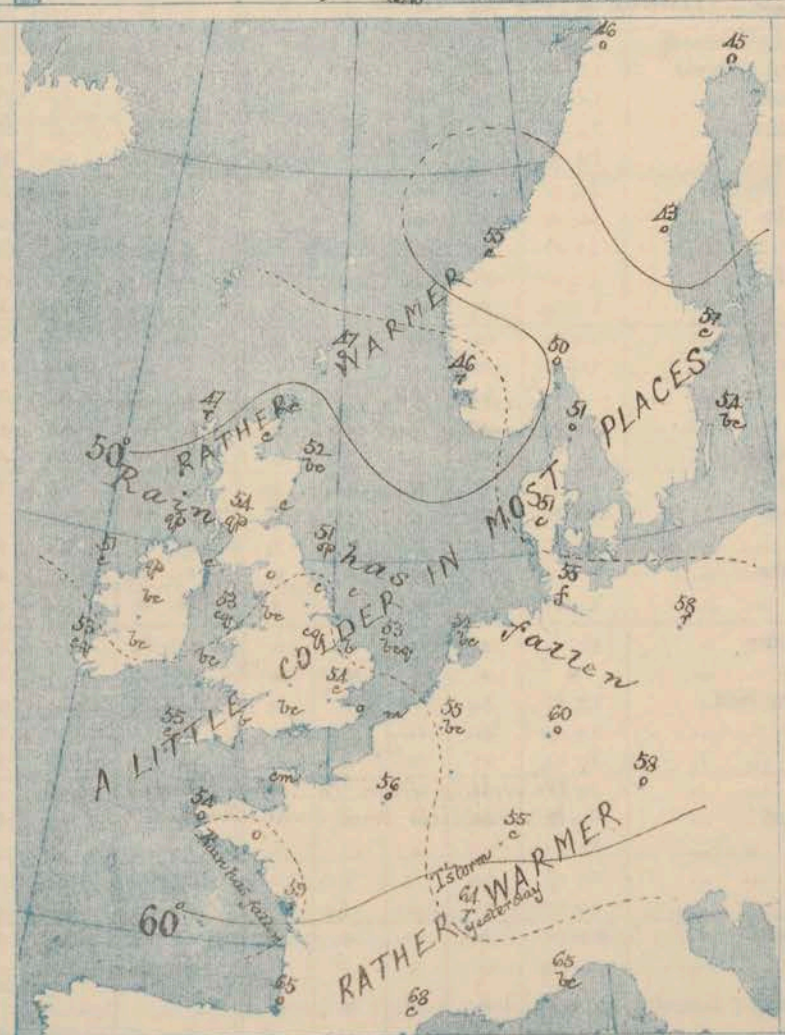
## MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of May

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	39.9	45.9	43.9	1.71
Stornoway	52.9	40.7	48.4	46.0	2.64
Wick	53.7	40.4	47.9	45.2	1.62
Nairn	55.9	42.0	48.4	45.0	1.67
Aberdeen	55.0	41.7	48.9	45.3	1.90
Leith	57.8	42.2	50.1	46.7	1.65
Shields	54.2	43.1	49.1	45.9	1.75
York	59.3	41.6	49.6	46.4	1.71
Loughborough	61.5	42.2	51.2	47.6	1.96
Ardrossan	56.2	43.7	49.3	46.4	2.20
Donaghadee	55.9	43.6	49.5	47.3	2.15
Holyhead	56.0	46.1	50.3	47.8	1.88
Liverpool	57.5	44.7	50.6	46.8	1.74
Parsonstown	59.3	42.3	51.0	47.7	2.23
Valencia	58.1	45.9	52.8	49.5	2.89
Roche's Point	59.8	46.0	51.7	48.7	3.05
Pembroke	55.1	46.0	49.9	47.4	1.97
Scilly	56.3	48.2	52.7	50.3	1.66
Jersey	59.3	47.1	53.5	50.4	1.74
Hurst Castle	58.3	45.3	51.3	49.7	1.70
Dover	56.8	46.8	52.8	49.2	1.77
LONDON	62.1	44.1	52.4	48.4	1.73
Oxford	60.5	43.9	50.6	47.4	1.83
Cambridge	61.7	41.8	51.3	48.1	1.76
Yarmouth	55.4	44.8	50.5	48.0	1.85

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.2 ins: and upwards, in an anticyclone lying over the southwest of France and the southern part of the Bay of Biscay; 30.0 ins: and upwards over the Gulf of Bothnia. Lowest, 29.3 ins: and less, in a depression lying off the north of Scotland. Gradient rather steep over our Islands and the North Sea, but slight elsewhere. Barometer rising at all but the Scandinavian and Danish stations - most on our northern coast.
TEMPERATURE	Highest, 68° at Lerpapun, 66° at Jibon, 65° at Hissirity and Nice, 64° at Lyons, 60° at Westader and 59° at Rochefort. Lowest, 43° at Hermsand, 45° at Haparanda, 46° at Hodo and Skudernæs, and 47° at Lumburg, St. Somway and Malin Ht.
WIND	Strong from the W. over Ireland and England, light to fresh from the same quarter in Scotland. Moderate to strong from S.E. in Scandinavia. Moderate S.W. over the Netherlands and Denmark, and also in the west of France.
WEATHER	Showery in the northern parts of Ireland and England, but fair at our southern stations. Cloudy or overcast at most of the Continental stations. Showers fell yesterday in many parts of Western Europe.
SEA	Rough or rather so at several of our western stations as well as in the Straits of Dover, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT


The depression off the north of Scotland will probably continue to travel away in a northerly direction and the strong winds over our Islands are likely to moderate generally.


In the northwest of France there are some indications of the advance of a small disturbance from the southwestward, and the general appearance is not yet settled.

## FORECASTS

for the 24 hours ending at NOON on 1<sup>st</sup> June. 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	N <sup>w</sup> and SW <sup>w</sup> winds, moderate; fair generally, but some showers.	6 { SCOTLAND WEST	Same as No 0.
1 { SCOTLAND EAST	----- D° ----- D° ----- D° -----	7 { ENGLAND N. W.	SW <sup>w</sup> winds, strong to moderate; fair generally.
2 { ENGLAND N. E.	SW <sup>w</sup> winds, fresh; changeable, some showers.	8 { ENGLAND S. W.	W <sup>w</sup> to SW <sup>w</sup> winds, fresh or strong; fair to unsettled and some rain.
3 { ENGLAND EAST	Same as No 5.	9 { IRELAND NORTH	----- D° ----- D° ----- D° -----
4 { MIDLAND COUNTIES	Same as No 5.	10 { IRELAND SOUTH	----- D° ----- D° ----- D° -----
5 { ENGLAND SOUTH	W <sup>w</sup> winds, fresh, to SW <sup>w</sup> moderate; fair to unsettled and some showers.	WARNINGS	
		The south cone was lowered last evening in districts 0 to 2 and 6, and has been lowered this morning in districts 7 to 10 and part of 5.	

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.73	48	44	SE 8	Y	5	Holyhead ...	29.52	52	50	SSW 6	cq/m	6
Sumburgh Head ...	29.31	45	45	SE 6	Y	6	Valencia ...	29.72	57	51	W 6	bcq	6
Stornoway ...	29.15	50	49	S 4	0	3	Scilly ...	29.84	59	55	W 5	c	6
Aberdeen ...	29.26	55	52	S 6	6c	6	Jersey ...	29.91	59	56	SW 5	c	4
Shields ...	29.41	58	54	SSW 5	0	4	Dungeness ...	29.79	55	53	SW 5	0	4
Ardrossan ...	29.23	53	52	W 5	0	5	London ...	29.72	63	57	WSW 5	cq	*
Malin Head ...	29.27	55	53	WNW 4	6	3	Yarmouth ...	29.69	62	55	SW 5	cq	4
Mullaghmore ...	29.40	52	50	WSW 7	0 q/p	6	Rochefort ...	30.11	61	61	WSW 4	Y	3
Belmullet ...	29.46	51	48	WNW 7	0 q	*							

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

The reports for yesterday morning showed that pressure was still as high as 30.1 in: and more over Spain and Algeria, and had risen to a similar value over the Gulf of Finland and Central Russia also, while a large and well marked depression had advanced to the British Isles from the SW<sup>W</sup>. The various local disturbances noticed on the previous day had dispersed. S<sup>W</sup> and SE<sup>W</sup> winds had set in over the northern parts of our area, and S<sup>W</sup> to N<sup>W</sup> winds in the west and south, the latter blowing strongly in many places and a gale in some. Over Eastern Europe and the Mediterranean the wind was N<sup>W</sup>. The weather had become very showery over the British Islands, but except in a few localities, was fair on the Continent: in Ireland and the west of Scotland the rainfall was heavy. Temperature had risen generally, and ranged from 75° and more over the western parts of the Mediterranean, from 60° and more over Hungary and Poland, and from 50° and more over nearly the whole of our Islands to about 40° in Western Lapland and on the shores of the White Sea. The highest individual readings were 78° at Cagliari, 72° at Ispah (Tunis) 71° at Brest, 70° at Khendisi, 66° at Legna and Perpignan, 65° at Nikolaioff and Trieste, 64° at Odessa, 63° at Lemberg and Cracow, 59° in London and 58° at Berlin; the lowest were 33° at Archangel, 41° at Bodo, 45° at Lumburg Head, and 47° at Stornoway, Hunsand and Mospor.

Later in the day the depression in the northwest moved northeastward. Temperature did not rise much in our Islands, but readings of 80° and more were recorded at some of the German and Southern French 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 MAY 1888.

## 1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
1	Corunna...	*	*	*	*	*	29.89	+10	57	54	-1	SW	5	f	5	68	48	0.08	
2	Corunna...	*	*	*	*	*	30.22	+33	54	51	-3	NE	5	b	5	61	41	-	
3	Lisbon...	30.14	56	MMW	7	b	30.28	+27	53	49	-4	N	5	b	4	64	50	0.08	
4	Cape Gris Nez	30.00	47	WSW	8	c	30.15	+26	46	*	0	WNW	7	c	6	50	43	0.08	
7	Bodo...	29.78	39	WSW	3	0	29.69	+08	40	37	-5	ESE	2	b	2	45	32	-	
8	Christiansund	29.85	39	SW	4	bc	29.47	-26	39	38	+1	ESE	6	r	3	43	?	0.12	
9	Corunna...	*	*	*	*	*	30.21	-15	62	57	+5	NE	3	b	4	66	50	-	
10	Corunna...	*	*	*	*	*	30.13	-08	68	63	+5	NE	1	b	1	77	54	-	
11	Corunna...	*	*	*	*	*	30.12	-01	70	63	+7	NE	1	b	1	73	54	0.63	
12	Widby...	29.58	39	W	6	b	29.76	+16	37	33	-4	W	4	b	*	46	36	-	
13	Corunna...	*	*	*	*	*	30.10	-02	67	63	-4	ESE	1	b	1	75	54	-	
14	Corunna...	*	*	*	*	*	30.02	-08	67	62	-5	NNE	1	b	1	72	54	-	
15	Corunna...	*	*	*	*	*	30.00	-02	63	62	-1	N	3	f	3	75	52	-	
16	Corunna...	*	*	*	*	*	29.92	-08	59	53	-6	S	1	m	0	68	55	-	
17	Haparanda	29.80	35	E	2	r	30.21	-30	40	39	+1	E	2	bc	*	43	23	0.12	
18	Corunna...	*	*	*	*	*	29.63	-11	59	55	-4	S	4	c	3	63	50	-	
19	Haparanda	29.83	29	Z	0	f	30.07	-	41	37	-4	Z	0	b	*	41	27	-	
20	Corunna...	*	*	*	*	*	29.64	+01	?	58	?	S	9	0	4	68	55	-	
21	Corunna...	*	*	*	*	*	29.47	-17	69	61	-8	SE	4	bc	4	70	57	-	
22	Lisbon...	29.71	62	SSW	5	0	29.56	-30	62	59	-3	SSW	7	bc	8	66	54	0.39	
23	Corunna...	*	*	*	*	*	29.92	+45	57	54	-3	SW	5	0	4	72	50	0.24	
24	Skudesnaes	29.95	59	ESE	4	0	29.93	-08	62	-	+5	E	4	bc	3	70	54	-	
25	Paris...	30.32	64	NNE	?	?	30.42	?	57	48	-9	WSW	1	b	*	68	43	-	
26	Belfast...	30.47	60	SW	1	c	30.25	+01	57	51	-6	E	1	0	*	64	51	0.084	
27	Lyon...	30.26	56	MMW	1	0	30.26	00	53	47	-6	MMW	5	0	*	62	50	0.08	
28	Lisbon...	30.07	65	MMW	7	b	30.08	-05	?	?	?	NNE	5	b	2	75	59	-	
29	Corunna...	*	*	*	*	*	30.09	-08	66	58	-8	NNE	1	b	3	75	50	-	
30	Paris...	30.13	64	NNE	7	b	30.18	-08	58	51	-7	NE	5	b	4	66	?	-	
31	St Mathieu	30.32	59	ESE	5	b	30.29	-09	51	48	-3	NNE	7	0	2	70	45	-	
32	Belfast...	30.00	69	E	3	c	30.10	+05	62	60	-2	NE	3	b	*	72	53	-	
33	Nice...	29.89	58	SSE	3	bc	29.91	-02	66	56	-10	ESE	5	c	1	73	?	-	
34	Perpignan...	29.45	70	W	4	c	29.98	-04	64	55	-9	N	3	c	*	76	54	-	
35	Corunna...	*	*	*	*	*	30.12	+03	61	55	-6	NE	7	b	5	77	52	-	
36	Skudesnaes	30.31	49	MMW	6	b	30.27	-18	46	-	0	NW	8	c	6	55	46	-	
37	Belfast...	30.06	68	NE	3	b	30.14	+04	60	51	-9	NE	1	b	*	71	40	-	
38	Corunna...	*	*	*	*	*	29.99	-13	61	-	0	NNE	7	bc	6	64	52	-	
39	Biarritz...	29.98	66	ESE	3	0	29.95	-06	63	-	+3	E	1	0	0	68	59	-	
40	Corunna...	*	*	*	*	*	29.89	-10	66	63	-3	NNE	1	b	2	72	54	-	
41	Rockfort...	29.95	77	NE	4	c	29.96	-03	60	-	+1	ESE	5	bc	?	86	50	-	
42	Corunna...	*	*	*	*	*	29.93	+04	68	64	-4	NW	1	bc	2	73	54	-	
43	Corunna...	*	*	*	*	*	30.01	+11	62	57	-5	SW	5	bc	4	63	52	0.16	
44	Lyon...	29.74	58	NW	5	0	29.98	-	53	-	-	MMW	3	0	*	68	50	0.39	
45	Corunna...	*	*	*	*	*	30.03	+02	64	61	-3	S	5	r	2	66	55	0.08	
46	Corunna...	*	*	*	*	*	30.13	+10	66	62	-4	SSW	5	0	3	73	59	-	
47	Corunna...	*	*	*	*	*	30.24	+11	63	63	0	SSW	4	0	3	63	59	-	

Continued on page 4.



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

Names of Districts.	Names of Stations.	Mean height of Barometer (at 32° Fahrenheit and Mean Sea Level) from observations made at 8 a.m. 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 ...	... 29.832 ... 29.875 ... 29.866	44.7 47.0 47.1	38.7 39.0 40.2	48.5 52.6 51.7	43.6 45.8 46.0	33 29 32	29 <sup>th</sup> 29 <sup>th</sup> 10 <sup>th</sup>	58 63 64	23 <sup>rd</sup> 24 <sup>th</sup> 19 <sup>th</sup>	0.253 .275 .305
1. SCOTLAND, E.	{ Nairn ... Aberdeen ... Leith ...	... 29.885 ... 29.907 ... 29.928	48.0 48.5 51.1	39.5 40.5 41.6	55.7 55.3 57.7	47.6 47.9 49.7	30 30 34	29 <sup>th</sup> 28 <sup>th</sup> 11 <sup>th</sup> , 12 <sup>th</sup> , 29 <sup>th</sup>	78 70 66	19 <sup>th</sup> 7 <sup>th</sup> 18 <sup>th</sup>	.265 .273 .265
2. ENGLAND, N.E.	{ Shields ... York ... Spurn Head ...	... 29.955 ... 29.999 ... 30.007	49.1 50.7 49.4	42.3 42.7 43.8	55.4 61.3 54.8	48.9 52.0 49.3	35 33 38	10 <sup>th</sup> 27 <sup>th</sup> 11 <sup>th</sup>	66 78 66	7 <sup>th</sup> , 18 <sup>th</sup> 19 <sup>th</sup> 7 <sup>th</sup>	.277 .264 .283
3. ENGLAND, E.	{ Yarmouth ... Cambridge ...	... 30.040 ... 30.053	50.3 53.0	43.6 44.3	56.0 63.3	49.8 52.3	37 30	10 <sup>th</sup> , 11 <sup>th</sup> 11 <sup>th</sup>	70 77	7 <sup>th</sup> 19 <sup>th</sup>	.285 .295
4. MIDLAND COUNTIES.	{ Loughborough ... Oxford ...	... 30.035 ... 30.065	57.3 50.3	42.7 43.2	62.5 60.7	52.6 52.0	33 36	12 <sup>th</sup> 11 <sup>th</sup> , 12 <sup>th</sup> , 13 <sup>th</sup>	76 74	19 <sup>th</sup> 19 <sup>th</sup>	.288 .287
5. ENGLAND, S.	{ London ... Dungeness ... Hurst Castle...	... 30.067 ... 30.087 ... 30.074	52.7 49.7 51.1	44.3 44.1 44.4	62.8 55.0 57.9	53.6 49.6 57.2	34 32 34	12 <sup>th</sup> 12 <sup>th</sup> 12 <sup>th</sup>	76 64 69	19 <sup>th</sup> 19 <sup>th</sup> 18 <sup>th</sup>	.272 .288 .322
6. SCOTLAND, W.	Ardrossan ...	... 29.927	50.2	43.0	56.1	49.6	34	10 <sup>th</sup>	70	19 <sup>th</sup> , 23 <sup>rd</sup>	.286
7. ENGLAND, N.W.	{ *Hawes Junction ... Barrow-in-Furness ... Liverpool Obs <sup>y</sup> (Bidston) Holyhead ...	... 28.734 ... 29.975 ... 30.000 ... 29.985	45.5 49.5 51.5 50.5	37.8 44.6 45.2 45.2	53.9 56.0 50.5 53.8	45.9 50.3 52.4 50.5	28 38 40 40	10 <sup>th</sup> 10 <sup>th</sup> 20 <sup>th</sup> , 24 <sup>th</sup> , 10 <sup>th</sup> , 15 <sup>th</sup> 4 <sup>th</sup>	73 73 79 72	19 <sup>th</sup> 19 <sup>th</sup> 19 <sup>th</sup> 19 <sup>th</sup>	.261 .278 .265 .304
8. ENGLAND, S.W.	{ Pembroke ... Prawle Point ...	... 30.006 ... 30.060	49.7 50.0	45.5 43.6	53.7 54.7	49.6 49.2	42 37	15 <sup>th</sup> 3 <sup>rd</sup> , 5 <sup>th</sup>	68 65	24 <sup>th</sup> 22 <sup>nd</sup> , 23 <sup>rd</sup>	.328 .309
9. IRELAND, N.	{ Malin Head ... Donaghadee ... Mullaghmore ... Belmullet ...	... 29.902 ... 29.954 ... 29.929 ... 29.933	47.8 49.7 50.4 51.0	44.4 45.5 44.5 46.2	52.9 57.2 57.0 54.5	48.7 51.4 50.8 50.4	38 35 37 39	4 <sup>th</sup> 4 <sup>th</sup> 4 <sup>th</sup> , 9 <sup>th</sup> 9 <sup>th</sup> , 11 <sup>th</sup>	65 68 69 67	19 <sup>th</sup> 24 <sup>th</sup> 24 <sup>th</sup> 24 <sup>th</sup>	.290 .300 .296 .297
10. IRELAND, S.	{ Parsonstown ... Valencia ... Roche's Point ...	... 29.970 ... 29.988 ... 29.982	50.9 52.2 57.6	43.0 46.7 46.1	60.5 58.2 55.8	57.8 52.5 57.0	34 40 40	4 <sup>th</sup> 4 <sup>th</sup> , 12 <sup>th</sup> 11 <sup>th</sup>	72 69 66	24 <sup>th</sup> , 25 <sup>th</sup> 23 <sup>rd</sup> , 24 <sup>th</sup> , 25 <sup>th</sup> 23 <sup>rd</sup>	.298 .325 .323
CHANNEL ISLANDS.	{ Scilly (St. Mary's) ... Jersey (Noirmont) ...	... 30.015 ... 30.086	52.2 53.0	46.8 46.8	55.5 59.5	57.2 53.2	42 39	3 <sup>rd</sup> , 15 <sup>th</sup> , 19 <sup>th</sup> 15 <sup>th</sup>	60 67	22 <sup>nd</sup> , 24 <sup>th</sup> 18 <sup>th</sup>	.325 .315

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

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



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

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								
					Rain	Snow	Hail	Thunderstorms	Clear Sky	Overcast	Gales	North	N.E.	East	S.E.	South	S.W.	West	N.W.	Calms
%		ins.	in.																	
86	7.5	2.52	0.42	6 <sup>th</sup>	23	1	1	0	3	14	1	5	3	2	3	2	1	8	5	2
86	7.5	2.58	0.65	16 <sup>th</sup>	28	2	2	1	2	14	7	3	3	1	2	7	4	3	8	0
94	7.7	3.79	0.89	29 <sup>th</sup>	21	0	1	1	3	20	4	1	3	6	3	4	2	4	6	2
88	6.9	1.07	0.15	30 <sup>th</sup>	21	0	0	1	3	13	0	0	2	4	2	2	4	8	2	7
75	6.7	1.20	0.37	29 <sup>th</sup>	12	0	0	1	4	9	6	5	2	1	3	5	4	4	7	0
71	5.8	0.65	0.16	19 <sup>th</sup>	12	0	0	1	6	2	1	1	4	2	4	5	1	11	3	0
79	6.6	0.39	0.05	29 <sup>th</sup>	5	0	0	0	7	12	3	4	3	2	3	5	5	6	3	0
72	4.7	0.67	0.26	29 <sup>th</sup>	7	0	1	1	11	7	1	7	2	1	0	11	2	6	2	0
81	4.8	0.77	0.23	16 <sup>th</sup>	10	0	0	0	9	3	3	7	3	1	2	4	7	3	4	0
79	4.2	1.02	0.59	16 <sup>th</sup>	9	0	0	0	11	1	1	7	4	1	1	4	4	8	2	0
73	5.8	0.73	0.28	29 <sup>th</sup>	8	0	1	0	8	10	0	9	2	2	6	5	10	3	0	0
76	7.1	0.83	0.27	29 <sup>th</sup>	7	0	1	0	1	10	3	3	3	2	3	5	5	6	4	0
77	5.9	1.43	0.33	17 <sup>th</sup>	10	0	0	1	11	12	1	2	8	1	3	6	5	4	2	0
69	6.0	0.80	0.26	16 <sup>th</sup>	4	0	0	0	8	9	3	1	6	4	2	4	5	7	1	1
81	5.7	1.04	0.29	16 <sup>th</sup>	7	0	0	1	8	9	1	1	5	6	0	3	5	9	1	1
85	4.6	1.45	0.62	17 <sup>th</sup>	8	0	1	0	11	4	5	1	7	6	2	3	7	5	0	0
80	5.3	3.92	1.79	29 <sup>th</sup>	16	0	1	0	14	14	3	0	3	4	2	5	3	9	3	2
85	6.1	3.85	1.14	2 <sup>nd</sup>	14	1	1	1	9	14	2	3	4	2	4	8	5	3	1	1
79	5.7	1.15	0.31	29 <sup>th</sup>	12	0	0	0	10	13	3	2	5	4	6	3	6	1	4	0
70	6.4	0.56	0.22	3 <sup>rd</sup>	7	0	0	1	5	10	2	0	1	4	9	3	5	6	3	0
83	6.0	1.10	0.24	2 <sup>nd</sup> + 29 <sup>th</sup>	12	0	0	0	6	8	3	3	4	1	1	9	6	4	1	2
92	5.4	1.10	0.29	29 <sup>th</sup>	12	0	0	0	10	12	6	1	4	4	6	7	6	3	0	0
86	6.6	1.41	0.33	17 <sup>th</sup>	10	0	0	0	7	16	4	1	6	9	1	4	4	5	1	0
88	6.7	2.57	0.53	29 <sup>th</sup>	19	0	1	1	8	17	2	4	2	1	7	6	3	2	6	0
82	5.1	2.89	1.84	29 <sup>th</sup>	10	0	0	0	11	7	3	3	5	1	4	5	4	6	3	0
82	5.6	2.18	0.41	29 <sup>th</sup>	18	0	1	1	9	6	9	0	4	8	3	2	5	2	6	1
79	6.1	3.03	0.47	1 <sup>st</sup>	17	0	0	0	10	16	5	1	3	6	3	4	2	4	6	2
80	6.0	2.04	0.68	29 <sup>th</sup>	12	0	1	0	8	13	0	0	1	0	3	2	5	3	0	17
77	6.1	3.71	0.89	29 <sup>th</sup>	17	0	1	0	7	12	5	3	4	2	5	2	4	6	2	3
84	6.1	3.64	0.85	29 <sup>th</sup>	17	0	1	0	9	14	9	5	0	5	5	2	5	6	3	0
83	7.1	1.16	0.26	29 <sup>th</sup>	16	0	1	0	5	13	7	0	4	7	4	5	4	6	1	0
78	5.1	1.39	0.38	16 <sup>th</sup>	9	0	0	1	10	9	5	2	6	7	2	3	4	3	4	0

Barometric Observations at this Station are not corrected for altitude.



10. CORRECTIONS.

[illegible]