

DAILY WEATHER REPORT

METEOROLOGICAL OFFICE

LONDON.

DAILY WEATHER REPORTS.

1ST JANUARY—30TH JUNE.

1888.

Soc. Reg. Lond.

DAILY WEATHER REPORT.

January to June 1888.



DAILY WEATHER REPORT.

for Thursday, 1st March.

1888.

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

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.								PAST 24 HOURS.			
	Barometer at 8 P. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer. Reading at 8 P. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.		Difference from 8 a.m. yesterday.	WIND.		Weather.	Sec. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)				Dry.	Wet.		Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	29.74	26	SW	4	0	29.45	-7.9	22	20	+10	N	6	0	*	27	10	0.04	
Hernösand ...	30.24	24	S	2	0	29.67	-8.7	34	31	+25	WNW	2	0	*	34	9	-	
Stockholm ...	30.38	24	WSW	2	0	29.99	-5.3	24	21	+14	WSW	2	0	*	25	9	-	
Wishby ...	30.46	30	WNW	4	bc	30.15	-4.3	31	27	+10	W	6	0	*	32	18	-	
Bodö ...	29.71	36	WSW	5	bc	29.67	-6.2	30	28	0	NE	4	0	2	?	28	-	
Christiansund...	30.40	34	WSW	9	0	30.04	-6.3	37	36	+4	WSW	8	0	6	37	30	0.16	
Skudesnaes ...	30.58	28	Z	0	c	30.33	-2.4	33	32	+3	WNW	2	0	3	?	28	-	
Christiania Fjord (Fjorden)	30.48	23	WSW	2	b	30.10	-4.9	23	22	+8	WSW	2	0	1	23	?	-	
Skagen (The Sound)	30.48	16	Z	0	b	30.15	-4.0	24	24	+4	SW	3	0	0	25	14	-	
Fanö ...	30.45	23	ENE	4	c	30.37	-0.7	19	19	-7	Z	0	bc	*	30	16	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.58	35	NNE	1	0	30.44	-1.6	37	36	+3	WNW	2	0	3	37	31	-	
Stornoway ...	30.59	38	E	5	0	30.55	-0.5	35	35	-4	NE	4	0	3	41	33	-	
Wick ...	30.58	38	E	3	0	30.52	-0.9	35	34	-4	WNW	1	0	1	39	32	-	
Nairn ...	30.56	37	E	2	0	30.54	-0.1	33	32	-4	SW	1	0	1	40	31	0.04	
Aberdeen...	30.55	37	NNE	2	c	30.52	-0.4	35	34	+2	WNW	2	0	2	42	32	0.10	
Leith ...	30.52	34	E	1	S	30.51	-0.4	36	34	0	ESE	1	0	*	38	32	0.10	
Shields ...	30.46	35	NE	3	0	30.50	-0.0	36	34	+1	E	3	0	4	37	32	0.03	
Spurn Head ...	30.31	33	ENE	6	0	30.34	-0.7	34	33	+1	ENE	4	0	4	38	32	0.03	
York ...	30.42	34	NE	1	0	30.42	-0.6	33	31	+1	E	2	0	*	35	31	0.01	
Loughborough	30.37	31	NE	3	c	30.36	-0.9	29	28	-2	E	2	0	*	35	29	0.02	
GERMANY.																		
Ardrossan ...	30.51	38	NE	2	cm	30.51	-0.3	36	35	0	NE	2	cm	1	40	34	-	
Malin Head ...	30.52	39	ENE	2	or	30.49	-0.6	38	34	+1	ENE	3	0	2	41	37	0.01	
Mullaghmore ...	30.50	40	ENE	4	0	30.47	-0.8	37	36	+2	NE	5	0	4	41	34	-	
Belmullet ...	30.51	40	ENE	3	0	30.47	-0.8	37	35	0	ENE	4	0	*	42	34	-	
Donaghadee ...	30.50	40	NE	4	bc	30.48	-0.6	37	34	0	E	4	0	2	41	36	-	
FRANCE & NETHERLANDS.																		
Barrow-in-Furness	30.43	34	NE	3	bc	30.41	-0.7	34	32	+1	NE	3	bc	*	37	32	-	
Liverpool (Bidston)	30.43	32	NE	2	S	30.39	-1.0	33	32	+2	ENE	4	0	4	35	31	0.01	
Holyhead ...	30.44	34	ENE	3	c	30.39	-1.0	34	33	+1	ENE	5	0	5	37	32	0.01	
Parsonstown ...	30.47	35	Z	0	c	30.40	-1.0	32	30	-2	ENE	1	0	*	40	31	0.01	
Valencia ...	30.41	40	ENE	4	cm	30.33	-1.4	35	32	-2	NE	4	bc	4	44	33	-	
Roche's Point...	30.39	35	ENE	3	c	30.30	-1.5	31	31	-5	ENE	4	sp	4	38	30	0.01	
Pembroke ...	30.38	33	NE	3	c	30.28	-1.5	32	30	+1	ENE	4	bc	2	33	30	-	
Seilly ...	30.31	33	ENE	4	0	30.16	-2.0	34	34	0	ENE	5	0	4	34	31	-	
Prawle Point ...	30.33	30	N	4	0	30.22	-1.6	29	27	0	ENE	5	bc	4	32	26	0.01	
Jersey ...	30.26	34	NE	3	cm	30.20	-1.3	31	29	-3	NE	4	bc	3	34	28	0.01	
PENIN. ISLANDS.																		
Hurst Castle ...	30.29	32	ENE	5	c	30.26	-1.3	30	29	0	E	4	bc	2	34	26	-	
Dungeness ...	30.22	31	ENE	4	c	30.26	-0.4	26	26	-4	ESE	3	0	3	32	23	0.06	
London ...	30.28	31	NE	3	osp	30.29	-0.8	28	27	-2	NE	1	osp	*	34	27	0.04	
Oxford ...	30.31	28	N	3	S	30.32	-1.0	26	25	-3	NE	2	0	*	33	26	0.04	
Cambridge ...	30.31	31	NE	2	0	30.35	-0.5	28	28	-3	NE	1	0	*	36	26	0.02	
Yarmouth ...	30.27	30	ENE	5	c	30.32	-0.3	31	30	+1	E	4	bc	4	33	27	0.02	
Cuxhaven ...	30.41	28	E	3	b	30.39	-0.0	24	?	+5	ESE	2	b	*	?	?	-	
Berlin ...	30.32	24	ENE	3	b	30.35	+0.1	17	16	+5	ENE	2	bc	*	28	?	-	
Wiesbaden ...	*	*	*	*	*	30.23	+0.4	25	23	-1	Z	0	b	*	34	21	-	
Munich ...	30.07	27	Z	0	c	30.10	+0.4	22	21	-6	E	5	0	*	32	19	-	
FRANCE & NETHERLANDS.																		
The Helder ...	30.30	24	ENE	4	*	30.34	0.0	23	22	-1	E	1	b	1	27	23	-	
Brussels ...	*	*	*	*	*	30.28	-0.2	15	15	-3	ENE	3	b	*	28	14	-	
Cape Gris Nez...	30.20	30	ENE	5	c	30.27	-0.2	22	22	-2	ESE	3	0	2	32	23	-	
Paris ...	30.19	25	NE	3	0	30.20	-0.7	21	20	+5	N	1	b	+	29	16	-	
Brest ...	30.26	31	NE	3	0	30.15	-1.7	30	27	-4	E	4	0	3	41	?	-	
Lorient ...	30.23	32	NE	5	0	30.15	-1.5	28	27	-4	E	4	b	2	36	27	-	
Rochefort ...	30.21	31	NE	5	0	30.14	-1.4	23	?	-7	ENE	7	b	2	37	18	-	
Belfort ...	30.08	28	E	1	0	30.04	-0.3	29	28	+2	NE	1	0	*	32	24	-	
Lyons ...	30.13	28	WNW	3	0	30.10	-0.5	26	25	0	N	4	0	*	30	25	-	
Nice ...	29.94	44	SW	1	0	29.95	+0.1	40	39	+1	ENE	1	0	1	52	36	-	
Perpignan ...	30.04	37	WNW	4	b	30.02	-0.5	34	30	-2	NW	3	0	*	47	33	-	
Biarritz ...	30.15	38	NE	5	0	30.04	-1.5	30	30	-4	E	5	0	1	43	?	-	
PENIN. ISLANDS.																		
Corunna ...	*	*	*	*	*	30.02	-1.2	45	44	+2	ENE	7	b	5	52	37	-	
Lisbon ...	29.81	50	NE	7	b	29.57	-1.2	41	37	+2	NE	7	10	2	54	39	-	

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

WEATHER CHARTS

for 8 a.m. on Thursday, 1st March, 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.

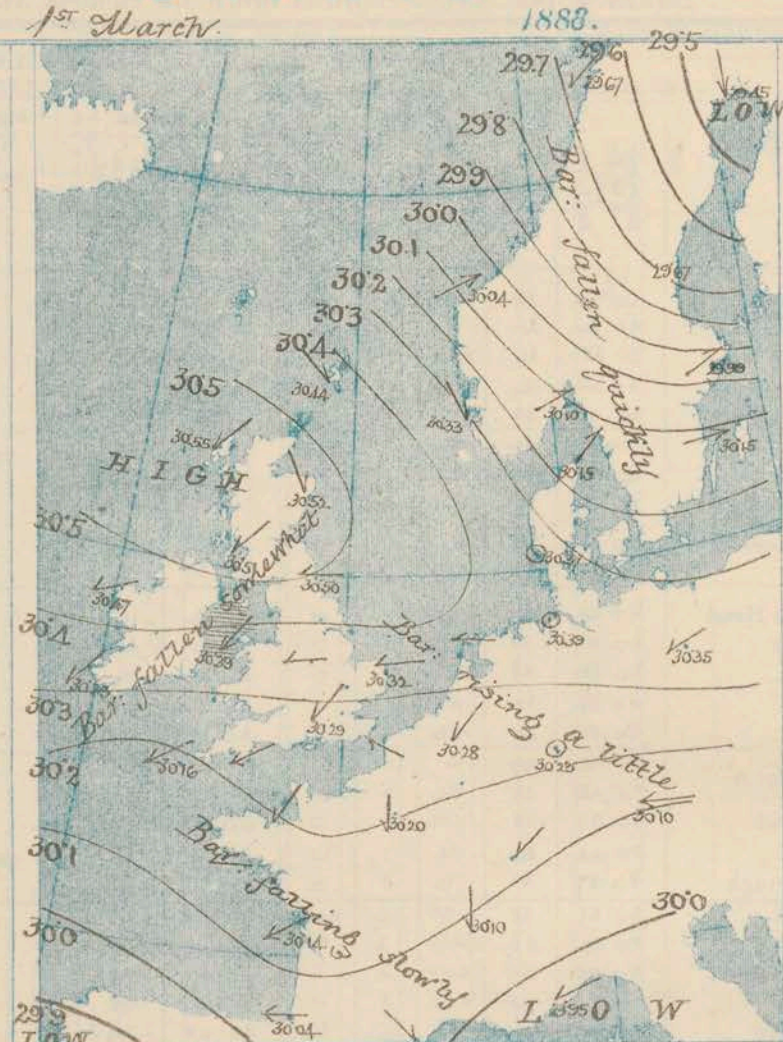
Sea Disturbance — where considerable, is shown thus.

— = Rough. — = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.751
Stornoway	29.779
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.862
Shields	29.896
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.919
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.966
Dover	29.955
LONDON	29.967
Oxford	29.966
Cambridge	29.957
Yarmouth	29.938



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

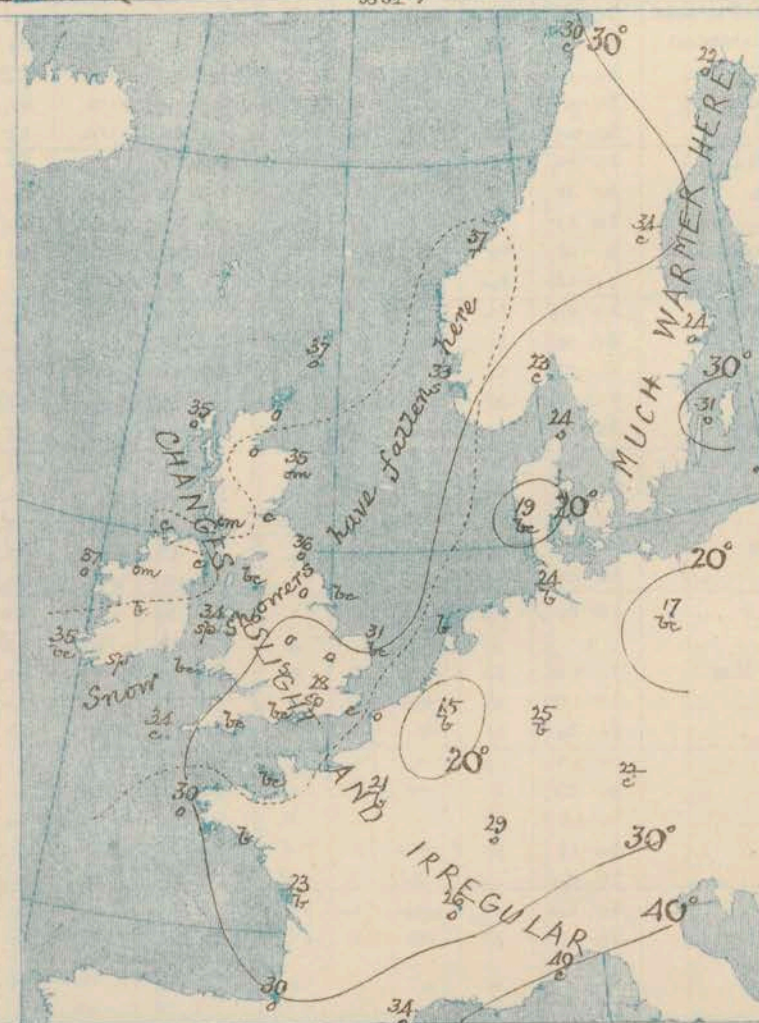
Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.
Weather — is shown by Letters of the Beaufort Scale.
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted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

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
 for the month of March.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.	42.6	34.0	38.5	37.1	2.92
Stornoway	44.9	34.4	39.2	38.0	3.87
Wick	44.7	33.9	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	36.3	1.72
Aberdeen	45.4	34.7	38.9	36.8	2.24
Leith	48.2	34.6	39.7	37.9	1.36
Shields	45.9	35.4	39.6	38.0	1.60
York	48.9	33.7	38.6	37.1	1.63
Loughborough	49.8	34.3	39.5	37.7	1.47
Ardrossan	46.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.0	39.7	1.99
Holyhead	47.6	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	39.5	42.6	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.9	40.5	44.7	42.7	2.32
Hurst Castle	48.3	37.7	41.6	40.7	1.80
Dover	46.9	37.8	41.6	39.9	1.86
LONDON	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	33.3	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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 more over Scotland, and between 30.3 ins. and 30.5 ins. over Ireland, the greater part of England, the North Sea and N. Germany.
Lowest, 29.5 ins. and less, over Lapland, 29.6 ins. over the southwest of Spain.
Gradients had become somewhat steep for NW winds over Scandinavia.
Barometer apparently ceased falling at most of our own stations, but was going down over the Baltic.

TEMPERATURE

Highest, 41° at Lisbon, 40° at Aix, 37° to 38° in the north of Ireland, the Shetlands, and at Christiansund.
Lowest, 15° at Brussels, 17° at Berlin, 19° at Paris, 21° at Lyons, 22° at C. de Vézère and Havanna, 26° at Buzenness and Oxford, 28° in London and at Cambridge.
It has risen very quickly over Sweden, changed irregularly elsewhere.

WIND

W^{ly} to N^{ly} over Scandinavia, light to a gale in force — calm in Scotland.
E^{ly} and NE^{ly} over Ireland, England, Spain and France; variable over the Central Department.

WEATHER

Fine and light at several of the German and French stations.
Cloudy elsewhere, with snow at times in several parts of England, rain and sleet in the west of Norway.

SEA

Rough at Christiansund, slight or smooth on our own northern coasts and off the west of France, moderate generally elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

- (1.) The depression in the far north will probably move southwards to Russia, leaving N^{ly} winds and frosty weather in its rear, but
- (2.) the disturbance over Spain will probably cause a continuance of NE^{ly} winds over Ireland, England and France, with cold weather and snow showers at times.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW ^{ly} and N ^{ly} winds light to moderate; some snow, very cold at night.
1	SCOTLAND EAST	----- D° ----- D° ----- D° -----
2	ENGLAND N.E.	NE ^{ly} winds, moderate; some snow showers.
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as No 2
5	ENGLAND SOUTH	E ^{ly} winds, moderate to fresh, snow at times.


DISTRICTS.


FORECASTS.

6	SCOTLAND WEST	NE ^{ly} breezes, moderate; very cold, fair as a whole.
7	ENGLAND N.W.	----- D° ----- D° ----- D° -----
8	ENGLAND S.W.	Same as No 5.
9	IRELAND NORTH	NE ^{ly} to E ^{ly} winds, moderate to fresh; cold, some snow showers.
10	IRELAND SOUTH	----- D° ----- D° ----- D° -----

WARNINGS

NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Day.	Wet.	Wind.	Wes.	Sea.		Bar.	Day.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.58	52	30	SSE 1	0	3	Holyhead ...	30.46	36	33	ESE 4	bcsp	4
Sumburgh Head ...	30.59	36	35	NNE 2	0	3	Valencia ...	30.45	41	37	NE 4	ow	3
Stornoway ...	30.67	40	39	NE 5	0	4	Scilly ...	30.34	34	33	ESE 3	0	4
Aberdeen ...	30.55	40	39	NE 4	0	3	Dungeness ...	30.25	30	30	ESE 4	s	3
Shields ...	30.48	37	34	NE 3	0	4	London ...	30.30	34	33	NE 3	ospm	*
Ardrossan ...	30.53	38	37	NE 2	0	1	Yarmouth ...	30.29	33	32	NE 6	cqsp	5
Malin Head ...	30.54	40	37	NE 2	0	1	Jersey ...	30.29	34	31	ESE 2	0	2
Mullaghmore ...	30.52	40	37	ESE 3	cm	3	Rochefort ...	30.25	31	31	NE 5	0	2
Belmullet ...	30.53	42	39	E 3	0	*							

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

The reports for yesterday morning showed that while the highest pressures of all (30.6 ins.) were reported in the Shetlands and Hebrides, a large anticyclonic band in which readings exceeded 30.1 ins. extended from Central Russia across the Baltic and the south of Scandinavia to the northern part of our Islands. The depression which lay off the north of Norway on the preceding day had travelled eastwards to the neighbourhood of the White Sea, but a shallow area of low readings still lay over Italy, while another had appeared off the southwest of Spain. The wind was moderate from W. or NW. over Northern Europe and also in the south of France, and light from S. or SW. in the north of Algeria, but elsewhere it remained E² or NE² and was light to fresh in force. Snow or sleet showers were falling in many parts of our Islands and also over the Netherlands and north of France, but elsewhere the weather though cloudy in places was generally fair. Temperature had risen a little in the north of our Islands and also over Germany, the Netherlands, and Spain, but fallen in most other localities; readings ranged from 45° and upwards at several of the Algerian, Spanish and Italian stations to 5° or less over Western and Central Russia. The highest individual readings were 52° at Brindisi, 50° at San Fernando, 48° at Sofia, 47° at Langunian, and 46° at Algiers, and 45° at Rostow; the lowest were -1° at Kharkov, +3° at Riga, 5° at Moscow and Uleaborg, 8° at Kiev, 7° at Breslau, 9° at Lemberg, Hernizand and Helmigfort, and 10° at Budapest and Stockholm.

In the course of the day the barometer fell generally, and a new depression began to approach Scandinavia from the NW². Over our Islands however, very little change occurred either in pressure winds or weather.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Friday, 2nd March

1888.

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

STATIONS.	+ YESTERDAY EVENING.						9 A.M. TO DAY.								PAST 24 HOURS.			
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	29.58	9	25	0	c	29.45	00	?	?	?	N	2	b	*	28	7	0.08	
Hernösand ...	29.71	19	20	0	b	29.31	-36	22	21	-12	20	0	b	*	41	18	0.08	
Stockholm ...	29.64	26	20	0	bc	29.44	-55	21	20	-3	W	2	b	*	30	12	0.08	
Wisby ...	29.69	31	SW	6	bc	29.50	-65	30	29	-1	NW	4	b	*	34	24	0.08	
Bodö ...	29.60	25	NE	1	bc	29.41	-26	19	17	-11	ENE	2	bc	1	30	16	0.08	
Christiansund...	29.46	36	WNW	7	0	29.43	-61	33	32	-4	WNW	9	s	7	27	30	0.08	
Skudesnaes ...	30.05	36	NW	4	0	29.71	-62	35	34	+2	WNW	2	0	2	37	33	0.08	
Christiania Fjord (Færder)	29.84	30	NNW	2	b	29.54	-56	30	28	+7	WSW	5	c	1	30	?	0.08	
Skagen (The Scaw)	29.83	31	WNW	2	b	29.60	-55	26	25	+2	WNW	1	c	0	32	23	0.08	
Fanö ...	29.93	34	W	6	0	29.76	-61	34	33	+15	WNW	4	c	*	34	19	0.08	
Sumburgh Head	30.24	41	WNW	3	0	29.93	-51	42	41	+5	NNW	3	0	3	42	35	0.02	
Stornoway ...	30.43	39	20	0	0	30.12	-43	44	43	+9	W	3	0	2	44	34	0.02	
Wick ...	30.87	35	WNW	3	0	30.02	-50	42	42	+7	WNW	5	0	3	42	38	0.02	
Nairn ...	30.42	42	NNE	1	c	30.11	-43	39	35	+6	SSW	3	c	2	43	30	0.02	
Aberdeen...	30.40	36	NNW	2	c	30.08	-44	38	36	+3	NW	4	c	2	40	33	0.02	
Leith ...	30.42	35	SE	1	bc	30.17	-34	33	32	-3	W	1	bm	*	42	31	0.02	
Shields ...	30.40	38	N	2	c	30.16	-34	30	29	-6	W	3	bc	3	39	28	0.02	
Spurn Head ...	30.34	35	NNE	3	bc	30.14	-20	33	31	-1	NW	1	c	3	38	32	0.02	
York ...	30.39	36	N	2	0	30.18	-24	28	28	-5	NNW	1	b	*	39	26	0.02	
Loughborough	30.37	33	ENE	2	c	30.23	-13	28	27	-1	WNW	2	om	*	41	27	0.02	
Ardrossan ...	30.42	38	NE	1	bm	30.20	-31	29	27	+3	WNW	3	c	2	42	30	0.02	
Malin Head ...	30.44	38	NE	3	bc	30.30	-19	40	37	+2	NW	3	0	2	40	37	0.02	
Mullaghmore ...	30.41	38	ENE	4	b	30.34	-13	33	32	-4	SW	1	c	2	41	29	0.02	
Belmullet ...	30.42	37	E	4	bc	30.37	-10	29	28	-8	WNW	1	c	*	40	27	0.02	
Donaghadee ...	30.43	39	E	3	b	30.27	-21	35	33	-2	WNW	3	0	2	41	31	0.02	
Barrow-in-Furness	30.38	35	ENE	2	b	30.22	-19	35	34	+1	NW	2	om	*	42	31	0.02	
Liverpool (Bidston)	30.38	33	E	1	bc	30.25	-14	30	29	-3	W	2	c	3	35	28	0.02	
Holyhead ...	30.38	34	ENE	3	bm	30.28	-11	34	33	0	W	1	c	2	37	30	0.02	
Parsonstown ...	30.38	35	NNE	1	c	30.36	-04	23	22	-9	20	0	c	*	38	22	0.02	
Valencia ...	30.30	37	E	5	om	30.33	00	35	32	0	NNE	2	om	2	41	32	0.02	
Roche's Point...	30.30	32	E	6	0	30.30	00	38	32	+2	E	3	bc	4	33	30	0.06	
Pembroke ...	30.32	31	E	3	m	30.28	00	29	29	-3	NE	2	bc	1	35	26	0.06	
Scilly ...	30.18	36	ENE	6	0	30.21	+05	36	33	+2	ENE	5	om	4	39	32	0.06	
Prawle Point ...	30.25	32	ENE	5	0	30.23	+01	29	27	0	N	4	b	3	37	24	0.06	
Jersey ...	30.21	32	ENE	3	b	30.18	-02	35	33	+4	NE	4	b	3	35	30	0.06	
Hurst Castle ...	30.23	33	E	4	m	30.22	-04	28	27	-2	NNE	3	b	1	35	24	0.06	
Dungeness ...	30.22	33	E	4	b	30.16	-10	28	28	+2	NNE	3	bc	2	35	24	0.06	
London ...	30.30	33	E	2	bc	30.21	-08	27	26	-1	20	0	bm	*	36	25	0.06	
Oxford ...	30.33	28	NE	3	b	30.24	-08	22	22	-4	NE	1	bm	*	33	21	0.06	
Cambridge ...	30.32	31	ENE	1	b	30.20	-15	29	29	+1	NW	1	c	*	38	23	0.06	
Yarmouth ...	30.32	33	NE	4	b	30.12	-20	34	33	+3	NW	3	c	4	35	30	0.06	
Cuxhaven ...	30.24	30	W	2	c	29.86	-53	35	35	+11	NW	4	bc	*	?	?	0.08	
Berlin ...	30.10	24	NW	1	b	29.73	-62	30	30	+13	WNW	2	0	*	30	?	0.08	
Wiesbaden ...	*	*	*	*	*	30.01	-22	29	28	+4	NW	3	0	*	37	25	0.08	
Munich ...	30.07	22	NE	1	b	29.96	-14	20	19	-2	W	5	m	*	30	16	0.08	
FRANCE & NETHERLANDS.																		
The Helder ...	30.26	29	NNE	1	bc	30.03	-31	33	33	+10	NW	3	c	2	34	23	0.04	
Brussels ...	*	*	*	*	*	30.12	-16	28	28	+13	WNW	1	0	*	33	?	0.04	
Cape Gris Nez...	30.23	32	ENE	5	b	30.17	-10	32	32	+10	N	4	0	3	34	?	0.04	
Paris ...	30.17	31	NE	3	b	30.14	-06	18	18	-3	NW	1	b	*	36	17	0.04	
Brest ...	30.12	30	E	7	0	30.13	-02	30	28	0	NE	7	0	3	41	28	0.04	
Lorient ...	30.10	33	E	5	b	30.08	-07	30	29	+2	E	5	b	2	32	28	0.04	
Rochefort ...	30.16	34	ENE	7	b	30.02	-12	28	28	+5	ENE	7	b	2	39	21	0.04	
Belfort ...	30.05	29	NE	1	b	29.99	-05	23	23	-6	NE	1	b	*	30	21	0.04	
Lyons ...	30.05	31	NNW	1	b	30.05	-05	22	21	-4	NNW	3	b	*	36	?	0.04	
Nice ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0.04	
Perpignan ...	29.94	36	NNE	3	b	29.92	-10	31	29	-3	N	3	0	*	?	27	0.04	
Biarritz ...	29.88	37	E	5	m	29.85	-19	28	27	-2	E	4	b	2	45	27	0.04	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0.04	
Lisbon ...	29.35	44	NNE	3	T	29.43	-14	45	44	+4	NW	7	0	8	45	2	1.68	
PENIN. ISL.																		

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

WEATHER CHARTS

for 8 a.m. on

Friday, 2nd March.

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

Sea Disturbance — where considerable, is shewn thus.

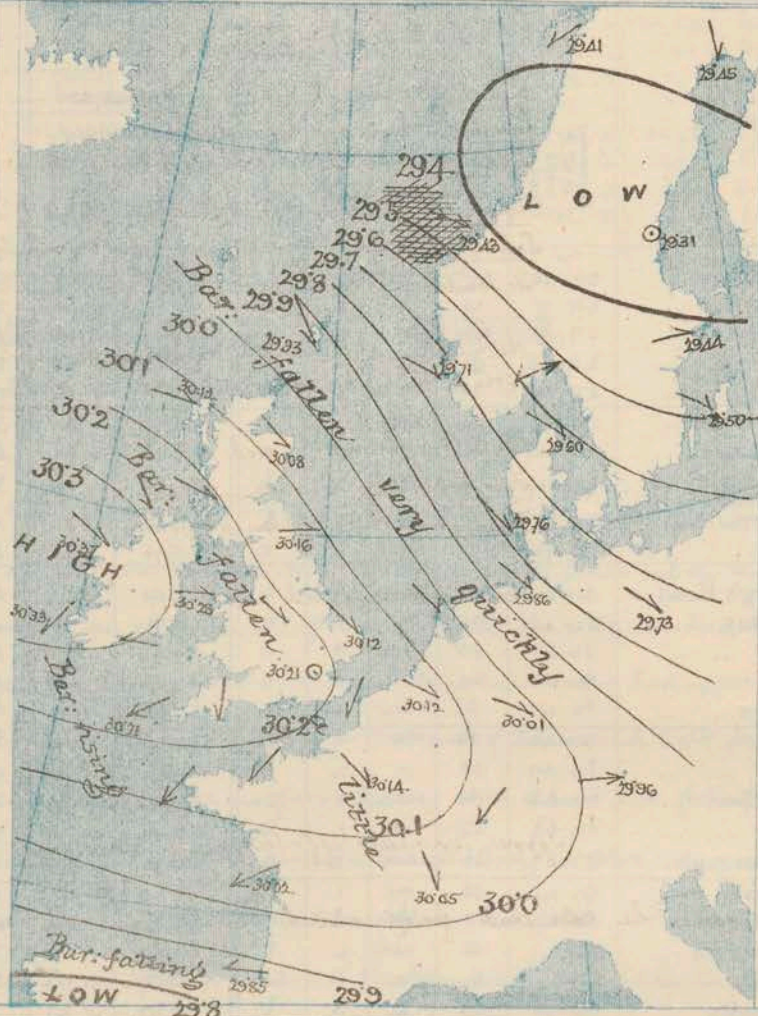
■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871 — 1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.779
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.862
Shields	29.896
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.919
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.966
Dover	29.955
LONDON	29.967
Oxford	29.966
Cambridge	29.957
Yarmouth	29.938



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins: and more, over Ireland, 30.2 ins: and more over Wales and the southwest of England.
 Lowest, 29.3 ins: over the central parts of Sweden and Norway, 29.4 ins: and less over the south of Spain.
 Gradients slight in our Islands, moderate elsewhere. Barometer rising slightly in the southwest, falling elsewhere.

TEMPERATURE

Highest, 45° at Lisbon, 44° at Stromsø, 42° at Niesß, and Lumburgh Head.
 Lowest, 18° at Paris, 20° at Munich, 21° at Stockholm, 22° at Lyons, Oxford, and Hemsö, and 23° at Parsonstown, and 26° in London.
 Its tendency is to increase in the north and east, but very cold nights are still probable.

WIND

NE^{ly} to E^{ly} in the south, moderate as a whole, but strong in places.
 NW^{ly} in the north and east - light to moderate generally, but blowing a gale at Christiansund.

WEATHER

Dull in the north, and over Germany, with snow at Christiansund.
 Fair generally elsewhere, - clear in many places.
 Much rain has fallen at Lisbon.

SEA

Very little disturbed.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Some increase of temperature is now probable during the daytime over Great Britain, but the nights will be cold and frosty inland, with light and chiefly NW^{ly} winds.

FORECASTS

for the 24 hours ending at NOON on 3rd MARCH 1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	W ^{ly} and NW ^{ly} winds, freshening; drizzle, some rain.
1	SCOTLAND EAST	NW ^{ly} breezes, light to moderate, fair as a whole.
2	ENGLAND N.E.	-----D°-----D°-----D°-----
3	ENGLAND EAST	Same as N° 4.
4	MIDLAND COUNTIES	NW ^{ly} breezes, light; fine, cold, some fog.
5	ENGLAND SOUTH	N ^{ly} breezes, light; fine, some fog, very cold at night.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as N° 0.
7	ENGLAND N.W.	Same as N° 0.
8	ENGLAND S.W.	NE ^{ly} breezes, moderate; fine day.
9	IRELAND NORTH	Varying N ^{ly} airs and calms; fine, dry, cold; some fog.
10	IRELAND SOUTH	-----D°-----D°-----D°-----

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.14	37	36	WNW 4	RS	3	Holyhead ...	30.36	36	33	E 5	bc qm	5
Sumburgh Head ...	30.32	42	41	WNW 3	c	3	Valencia ...	30.29	38	34	rt 5	cm	5
Stornoway ...	30.47	43	42	20 0	bc	2	Scilly ...	30.18	35	33	E 5	S	4
Aberdeen ...	30.46	40	39	20 0	bc	2	Dungeness ...	30.25	34	33	E 4	c	3
Shields ...	30.44	38	37	NE 3	c	4	London ...	30.30	34	34	E 3	cm	4
Ardrossan ...	30.46	42	39	NE 1	bc	1	Yarmouth ...	30.32	35	33	E 4	b	4
Malin Head ...							Jersey ...	30.21	33	30	E 3	c	3
Mullaghmore ...	30.43	39	36	E 6	c	4	Rochefort ...	30.11	36	33	E 4	b	2
Belmullet ...	30.43	39	35	E 4	0	*							

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

The reports for yesterday morning showed that while the highest pressures of all, 30.5 ins: and upwards, were reported over Scotland, a long band of high readings still extended from our western and northern districts to Central Russia. To the northward and eastward of this band, however, the barometer had fallen decidedly, and while a large area of low pressure, with readings below 29.3 ins had appeared over Lapland, a depression of increasing depth was reported over the south of Spain. The wind was N^W in the north of Sweden and W^W in other parts of Northern Europe. In Algeria, however, light S^W or SE^W breezes were reported, while over the more western and central countries the wind remained E^W or NE^W. Snow or sleet was falling in many parts of Northern Europe, and also at several of the English stations, but elsewhere the weather though cloudy in places, was generally fair. Temperature had risen rapidly in Sweden and some parts of Northern Russia, but elsewhere there was a tendency for a further fall; readings ranged from 50° and upwards at several of the Mediterranean stations and 48° and upwards over Italy and Algeria generally to a few degrees below zero over Central and Southern Russia. The highest individual readings were 53° at Algiers, 51° at Oran, 50° at San Fernando, Brindisi, Nemours and Rostock, and 49° at Cagliari, Palermo and Malta, and 48° at Dover; the lowest were -6° at Charkov, +4° at Moscow and Kiev, 5° at Nicolaioff, 6° at Breslau and Rascow, 9° at Mennel, Riga and Odessa, 11° at Warsaw, and 12° at Newchwasser and Lemberg.

In the course of the day the low pressure system over Northern Europe extended somewhat in a southerly and southwesterly direction and the barometer fell decidedly in the north of our Islands. 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 Saturday, 3rd March

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.)	Weather.	SHADE TEMP.		Amount of Rainfall.
			Dir.	Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)				Max.	Min.	
SCANDINAVIA.	Haparanda ...	29.49	N	2		b	29.59	+14	8	8	-14	N	4	b	*	10	-17		
	Hernösand ...	29.47	NE	4		b	29.62	+31	8	8	-14	NE	6	e	*	25	4		
	Stockholm ...	28.93	S	2		o	29.19	-25	10	10	-11	N	9	S	*	32	?	0	2.8
	Wisby ...																		
	Bodö ...	29.71	ESE	2		b	29.60	+19	11	10	-8	E	4	S	3	24	9		
	Christiansund ...	29.53	NE	9		c	29.77	+34	20	18	-13	ESE	2	b	5	?	16	0	12
	Skudesnaes ...	29.54	NW	8		c	29.70	-01	24	21	-9	N	3	b	4	36	20		
	Christiania Fjord (Fjorder)	29.24	NNW	8		b	29.56	+02	15	13	-15	N	8	b	3	34	14		
	Skagen (The Scaw)	29.25	NNE	8		b	29.47	-13	15	14	-11	NNE	8	e	6	34	?		
	Faßö ...	29.40	N	6		c	29.49	-27	24	21	-10	NE	6	c	*	36	24	0	0.4
BRITISH ISLANDS.	Sumburgh Head	29.92	N	4		ops	29.97	+04	30	29	-12	NNW	4	o	5	43	35	0	0.1
	Sornoway ...	30.09	E	5		o	30.16	+04	34	34	-10	E	5	o	4	46	32		
	Wick ...	30.02	N	6		o	30.07	+05	33	33	-9	N	5	osp	3	45	30	0	0.8
	Nairn ...	30.02	N	4		o	30.12	+01	32	30	-7	NNW	4	rsp	4	44	30		
	Aberdeen ...	29.93	NNW	5		op	30.03	-05	33	32	-5	N	4	o	3	45	31	0	0.1
	Leith ...	29.96	NW	1		c	30.09	-08	33	31	0	NW	1	cm	*	49	32		
	Shields ...	29.91	W	2		o	30.00	-16	34	33	+4	N	3	S	6	44	28	0	0.1
	Spurn Head ...	29.90	WNW	4		bc	29.90	-24	35	32	+2	NNW	6	csp	5	40	34	0	0.2
	York ...	29.56	WNW	1		b	30.00	-18	33	31	+5	N	3	c	*	44	28		
	Loughborough	30.00	WNW	3		o	30.00	-23	33	31	+5	NW	2	c	*	42	28		
GERMANY.	Ardrossan ...	30.00	WNW	3		c	30.12	-08	33	29	-6	N	1	bm	1	45	28		
	Malin Head ...	30.12	NW	3		od	30.15	-15	37	34	-3	NNE	3	o	3	44	37	0	0.1
	Mullaghmore ...	30.17	WNW	4		o	30.15	-19	38	35	+5	NNE	5	o	4	43	32	0	0.1
	Belmullet ...	30.24	NW	3		c	30.17	-20	39	37	+10	ESE	2	o	*	44	29	0	0.6
	Donaghadee ...	30.06	NW	4		c	30.12	-15	35	33	0	NE	4	bc	2	45	33	0	0.4
	Barrow-in-Furness	29.99	NW	2		c	30.08	-14	32	29	-3	N	3	bc	*	42	31		
	Liverpool (Bidston)	30.02	W	6		o	30.07	-18	33	32	+3	NE	1	c	3	39	30	0	0.3
	Holyhead ...	30.11	ESE	4		o	30.08	-20	35	33	+1	ESE	4	c	3	42	34	0	0.1
	Parsonstown ...	30.21	NW	1		c	30.13	-23	37	35	+14	N	2	c	*	42	22	0	0.1
	Valencia ...	30.23	N	2		bcm	30.14	-19	42	41	+7	NW	1	om	1	44	31	0	0.1
FRANCE & NETHERLANDS.	Roche's Point...	30.19	N	4		b	30.09	-21	39	38	+6	NW	3	a	3	45	32		
	Pembroke ...	30.15	N	3		bc	30.03	-25	40	39	+11	N	2	csp	1	44	29	0	0.8
	Scilly ...	30.13	NE	4		b	30.03	-18	43	42	+7	NNW	5	o	4	43	33		
	Prawle Point ...	30.11	WNW	2		b	30.00	-23	37	36	+8	NW	3	o	2	45	27		
	Jersey ...	30.10	W	0		bm	29.98	-20	41	39	+6	NNW	3	ogm	3	44	34		
	Hurst Castle ...	30.06	WNW	2		bc	30.00	-22	36	35	+8	NNE	3	c	1	39	28	0	0.1
	Dungeness ...	29.98	SW	3		c	29.86	-30	35	33	+7	NE	5	c	3	40	27		
	London ...	30.01	WNW	1		b	29.96	-25	35	33	+8	N	3	c	*	44	27		
	Oxford ...	30.00	WNW	3		o	30.01	-23	35	33	+13	N	2	b	*	39	22		
	Cambridge ...	29.96	NW	1		b	29.96	-24	34	33	+5	N	2	c	*	43	27		
PENIN. SULA.	Yarmouth ...	29.91	NW	3		c	29.88	-24	35	33	+1	N	4	c	4	37	31	0	0.3
	Cuxhaven ...	29.62	WNW	6		r	29.54	-32	29	28	-6	N	4	c	*	35	27		
	Berlin ...	29.41	WNW	5		r	29.87	-36	27	24	-3	NW	5	bc	*	36	25	0	0.4
	Wiesbaden ...	*	*	*	*	*	29.64	-37	35	32	+6	NW	3	S	*	39	?		
	Munich ...	29.81	W	6		c	29.65	-31	28	26	+8	SW	6	S	*	32	20	0	0.4
	The Helder ...	29.75	WNW	5		o	29.73	-30	32	31	-1	WNW	3	b	3	36	30	0	0.4
	Brussels ...	*	*	*	*	*	29.82	-30	34	31	+6	WNW	4	bc	*	36	?		
	Cape Gris Nez...	29.99	WNW	4		c	29.88	-29	35	35	+3	N	5	o	4	37	32		
	Paris ...	30.04	N	3		b	29.88	-26	32	31	+14	SW	1	S	*	37	?		
	Brest ...	30.11	NNE	3		o	30.04	-09	38	35	+8	NNE	4	o	3	44	28		

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

WEATHER CHARTS

for 8 a.m. on

Saturday, 3rd March.

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.

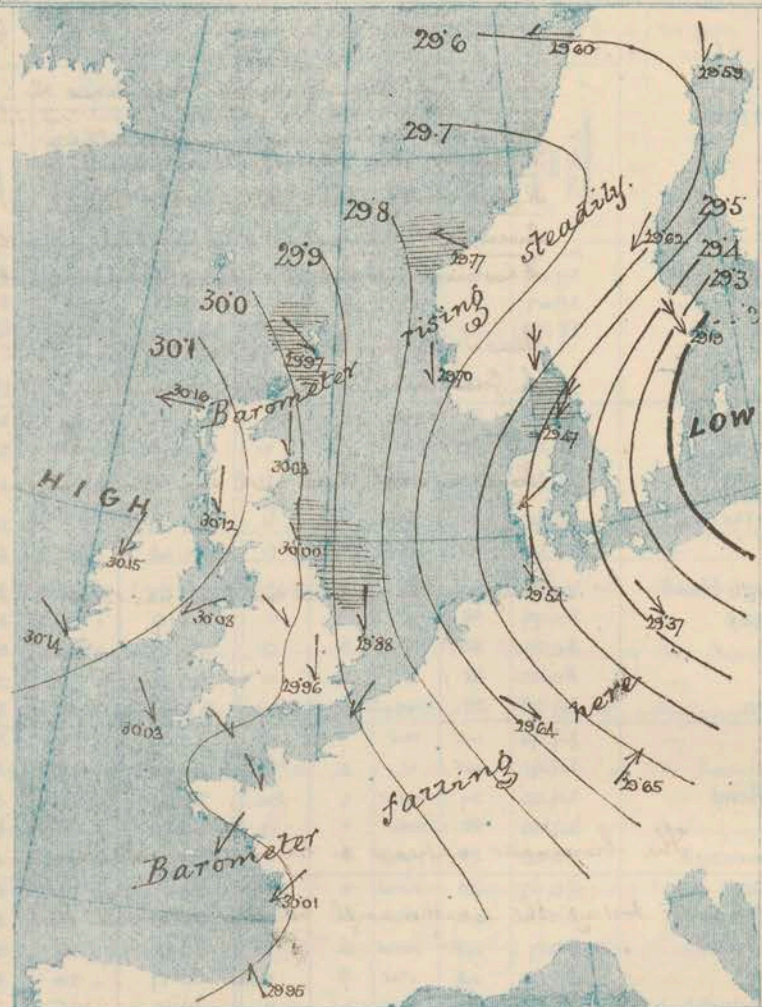
Sea Disturbance — where considerable is shown thus.

— Rough — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumbagh Head	29.751
Stornoway	29.779
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.862
Shields	29.896
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.919
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.986
Dover	29.955
LONDON	29.967
Oxford	29.966
Cambridge	29.957
Yarmouth	29.938



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	42.6	34.0	38.5	37.1	2.92
Stornoway	44.9	34.4	39.2	38.0	3.87
Wick	44.7	33.9	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	36.3	1.72
Aberdeen	45.4	34.7	38.9	36.8	2.24
Leith	48.2	34.6	39.7	37.9	1.36
Shields	45.9	35.4	39.6	38.0	1.60
York	48.9	33.7	38.6	37.1	1.63
Loughborough	49.8	34.3	39.5	37.7	1.47
Ardrossan	46.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.0	39.7	1.99
Holyhead	47.6	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	39.5	42.6	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.0	40.5	44.7	42.7	2.32
Hurst Castle	48.3	37.7	41.6	40.7	1.80
Dover	46.9	37.8	41.6	39.9	1.86
LONDON	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	33.3	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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 more over Ireland and the west of Scotland.
 Lowest, 29.2 ins. and less over the Baltic and east of Sweden.
 Gradient rather steep over Denmark and Sweden, moderate to slight elsewhere.
 Barometer rising over our Islands generally.

TEMPERATURE

Highest, 50° at Lisbon, 43° at Seilly, 42° at Valencia, and 39° at Belmullet.
 Lowest, 8° at Haparanda, +10° at Stockholm, 15° at the Scaw, 24° at Lyons, 27° at Berlin, and 30° at Lumburgh Head.
 It has risen over Ireland, England and France, but there is a fresh decrease in the north, and this is spreading quietly to the southward.

WIND

Blows a gale from the N^w over the Baltic, Denmark and the Skagerrack, and is light to fresh from the N^w (NE to NW) in our Islands.
 In Germany it is moderate from NW.

WEATHER

Cloudy in most places, with snow showers at some of the northern and eastern stations, and rain at Rocherpoint.

SEA

Rough in the northeast and east, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer appears to be now rising over our Islands generally and it seems probable that after some snow showers today the weather will be very cold and frosty over the United Kingdom tonight.

FORECASTS

for the 24 hours ending at NOON on 4th March 1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	N ^w winds, cloudy, some snow.
1	SCOTLAND EAST	.....D°.....D°.....D°.....
2	ENGLAND N.E.	Same as No 5
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as No 5
5	ENGLAND SOUTH	N ^w breezes, moderate; some snow showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Wind chiefly N ^w ; cold, snow showers locally.
7	ENGLAND N.W.	.....D°.....D°.....D°.....
8	ENGLAND S.W.	.....D°.....D°.....D°.....
9	IRELAND NORTH	.....D°.....D°.....D°.....
10	IRELAND SOUTH	.....D°.....D°.....D°.....

WARNINGS

NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.50	34	31	NW 9	0	4	Holyhead ...	30.20	39	37	NW 4	0	4
Sumburgh Head ...	29.89	34	33	N 4	0	4	Valencia ...	30.28	44	38	N 2	bm	2
Stornoway ...	30.07	46	44	N 5	0	4	Scilly ...	30.18	40	35	ESE 4	6	4
Aberdeen ...	29.96	44	42	NW 4	60	2	Dungeness ...	30.06	39	38	N 3	60	2
Shields ...	30.01	44	37	N 3	60	3	London ...	30.08	41	38	NW 2	6	*
Ardrossan ...	30.04	44	43	NW 3	0	2	Yarmouth ...	30.01	37	35	NW 4	0	3
Malin Head ...	30.12	43	43	NW 3	0	3	Jersey ...	30.15	41	37	ESE 3	6	3
Mullaghmore ...	30.25	43	40	NW 4	0	2	Rochefort ...	30.03	45	42	ESE 7	6	2
Belmullet ...	30.29	43	40	NW 2	0	*							

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

The reports for yesterday morning showed that a definite anticyclone, with readings above 30.3 ins., was lying over Ireland, while a long band of high readings extended thence across England, France, and the southern parts of Germany, and Austria to the neighbourhood of the Black Sea. The lowest readings of all 29.3 ins. and less, were reported in a large depression lying over Finland, and also in a smaller secondary disturbance lying over central Sweden, but pressure was low, 29.6 ins. and less, over Algeria and the southern part of the Mediterranean. Moderate to strong breezes from W. or NW. were reported over the whole of Northern Europe with a gale at Christiansund and SW^{ly} breezes in Austria and E^{ly} Germany, but elsewhere the wind was chiefly E^{ly} or NE^{ly}. The weather was fair generally but snow was falling at Christiansund and Casrel and rain at Madrid, as well as at some of the Algerian stations. Temperature had fallen several degrees over Northern Europe and slightly in the west and south of our Islands and the west of France, but risen several degrees elsewhere; readings ranged from 50° and upwards over Algeria and South Italy to a few degrees below zero over the northern parts of Sweden and Russia. The highest individual readings were 56° at Malta, 54° at Oran, 53° at Annars and Sofar, 51° at Algiers, 50° at Brindisi and Cagliari, and 48° at Corunna; the lowest were -13° at Archangel, -11° at Haparanda and Tharkov, -10° at Ullensborg and Kuopio, +7° at Moscow, 8° at Helsingfors, 9° at St. Petersburg, and 10° at Nikolaiiff.

In the course of the day the low pressure system over Northern Europe travelled southeastwards, and the winds in Norway and the north of our Islands veered to the N^{wd} with snow showers in many places. In the west of Norway a fresh gale was experienced in the evening.

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 4th March

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.		Force. (0 to 12.)	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.	
		Inch.	°				Inch.	Inch.	°	°	°						°	°	Inch.
SCANDINAVIA.																			
Haparanda ..		29.55	-11	Z	0	b	29.54	-0.05	-22	-22	-14	NN	2	b	*	?	?	—	
Hernösand ...		29.59	-7	Z	0	b	29.54	-0.08	-17	-17	-25	Z	0	b	*	23	?	—	
Stockholm ...		29.48	9	NNW	6	0	29.50	+0.31	-4	-4	-14	Z	0	b	*	27	?	—	
Wishby ...															*				
Bodo ...		29.85	14	ENE	2	b	29.45	-0.15	13	8	+2	ENE	4	0	2	19	9	—	
Christiansund...		29.53	25	NNE	6	s	29.44	-0.33	26	24	+6	NNE	4	s	5	27	20	0.20	
Skudesnaes ...		29.71	28	SSW	4	0	29.50	-0.20	23	22	-1	NNE	2	bc	3	31	?	—	
Christiania Fjord (Færder)		29.67	20	NNE	3	b	29.42	-0.14	20	19	+5	NNW	2	b	1	?	15	—	
Skagen (The Sound)		29.66	19	NE	2	b	29.42	-0.05	21	21	+6	SW	3	0	2	21	14	—	
Faenø ...		29.79	17	Z	0	b	29.48	-0.01	28	27	+4	SSW	6	s	*	28	14	—	
Sumburgh Head		29.80	32	NNW	3	s	29.77	-0.20	29	28	-1	N	3	cfs	4	33	26	0.02	
Stornoway ...		30.10	36	N	4	0	29.96	-0.20	35	34	+1	N	5	bc	4	36	32	0.10	
Wick ...		29.98	33	N	3	0	29.87	-0.20	33	33	0	N	4	c	4	35	32	0.10	
Nairn ...		30.00	34	NNW	3	0	29.92	-0.20	33	32	+1	NNW	3	csp	3	36	31	0.05	
Aberdeen ...		30.02	33	NNW	3	0	29.85	-0.18	34	32	+1	N	3	bc	3	36	31	0.03	
Leith ...		30.09	36	NW	1	bc	29.89	-0.20	35	33	+2	NW	1	cmap	*	42	31	—	
Shields ...		30.06	24	NW	2	0	29.84	-0.16	32	30	-2	NNW	2	bc	5	37	30	0.04	
Spurn Head ...		30.04	31	NNW	6	c	29.82	-0.08	34	32	-1	WSW	5	cu	4	40	31	0.03	
York ...		30.08	35	N	3	c	29.87	-0.13	35	32	+2	NW	3	b	*	40	29	—	
Loughborough		30.08	34	NNW	3	bc	29.94	-0.06	32	30	-1	NNW	2	b	*	40	29	—	
Ardrossan ...		30.12	36	NNW	3	b	29.93	-0.19	41	39	+8	NNW	4	bc	3	41	31	—	
Malin Head ...		30.17	37	N	3	0	30.03	-0.12	39	37	+2	NW	4	cp	3	40	36	—	
Mullaghmore		30.19	38	NNE	3	0	30.08	-0.07	39	36	+1	NW	3	cp	2	40	36	—	
Belmullet ...		30.22	39	NNE	3	0	30.12	-0.05	38	37	-1	NNW	1	bc	*	41	37	0.07	
Donaghadee ...		30.16	36	NE	3	bc	30.01	-0.11	37	36	+2	NW	3	b	*	38	34	0.01	
Barrow-in-Furness		30.13	34	N	2	c	29.94	-0.14	37	34	+5	NW	3	0	*	40	31	—	
Liverpool (Bidston)		30.13	34	NW	1	c	29.97	-0.10	36	34	+3	NNW	3	0	4	38	32	—	
Holyhead ...		30.16	35	N	3	bc	30.02	-0.06	38	35	+3	NNW	5	c	4	39	34	—	
Parsonstown ...		30.18	39	Z	0	0	30.13	-0.00	34	32	-3	Z	0	0	*	41	32	—	
Valencia ...		30.16	43	NNE	1	bc	30.18	+0.04	36	33	-6	W	1	bcw	2	48	31	0.01	
Roche's Point...		30.14	40	NE	1	b	30.13	+0.04	36	34	-3	NE	2	c	3	46	34	0.01	
Pembroke ...		30.13	36	NNE	3	bc	30.08	+0.05	36	32	-4	N	2	0	1	44	32	—	
Seilly ...		30.08	44	N	3	c	30.08	+0.05	41	37	-2	N	2	0	3	45	39	—	
Prawle Point ...		30.12	35	NNE	1	bc	30.06	+0.06	38	36	+1	NNW	3	c	1	42	31	0.01	
Jersey ...		30.09	40	NNE	3	c	30.06	+0.08	36	33	-5	NNE	2	cm	2	41	31	—	
Hurst Castle ...		30.09	37	NNE	3	b	30.03	+0.03	31	30	-5	NNW	2	cm	1	41	26	—	
Dungeness ...		30.04	33	NNE	4	s	29.95	+0.09	30	30	-5	NW	3	c	2	39	27	—	
London ...		30.07	34	NW	1	bmv	29.97	+0.01	30	28	-5	NW	2	0	*	38	28	—	
Oxford ...		30.12	32	NNW	2	bc	29.99	-0.02	29	27	-6	WSW	3	0	*	39	26	—	
Cambridge ...		30.06	34	N	1	0	29.92	-0.04	33	31	-1	W	1	b	*	42	28	0.02	
Yarmouth ...		29.97	34	N	3	bc	29.84	-0.04	32	30	-3	NW	5	bcw	3	37	28	—	
Cuxhaven ...		29.80	23	N	6	0	29.70	+0.19	24	23	-5	SSW	3	f	*	20	21	—	
Berlin ...		29.63	19	NNW	5	c	29.80	+0.43	16	15	-11	NNW	2	b	*	36	14	—	
Wiesbaden ...		*	*	*	*	*	29.98	+0.29	22	21	-13	NW	2	bc	*	37	18	0.08	
Munich ...		29.69	26	W	4	bc	29.91	+0.26	16	13	-13	W	5	0	*	32	12	0.04	
The Helder ...		29.90	32	N	4	b	29.72	-0.01	33	32	+1	W	4	c	3	34	30	0.04	
Brussels ...		*	*	*	*	*	29.90	+0.08	31	31	-3	W	1	s	*	37	29	0.04	
Cape Gris Nez...		29.99	32	N	5	c	29.96	+0.08	32	31	-3	NW	5	0	4	37	30	—	
Paris ...		30.00	34	NNW	3	b	30.04	+0.16	26	26	-6	SSW	1	c	*	38	26	—	
Brest ...		30.11	42	N	4	0	30.11	+0.07	39	36	+1	SSW	3	0	2	48	34	—	
Lorient ...		30.04	40	NE	4	0	30.10	+0.10	35	33	0	SE	1	0	2	45	32	—	
Rockfort ...		30.00	42	NNW	4	c	30.15	+0.14	31	31	+1	ENE	4	b	2	46	28	—	
Belfort ...		29.84	38	W	1	0	29.95	+0.11	20	19	-9	NW	1	b	*	29	13	0.08	
Lyons ...		29.94	31	N	3	s	30.05	+0.13	24	23	0	NNW	4	b	*	32	24	—	
Nice ...		29.49	43	SSW	1	b	29.57	-0.10	40	32	+2	ENE	1	b	3	52	36	—	
Perpignan ...		29.79	50	NW	5	b	29.93	+0.09	38	32	-3	NW	4	c	*	59	36	—	
Biarritz ...		30.00	46	NNW	4	b	30.06	+0.11	35	33	-2	E	5	0	1	48	32	—	
Corunna ...		*	*	*	*	*	30.08	+0.16	50	45	+6	SE	1	b	2	57	36	—	
Lisbon ...		30.11	51	W	4	0	30.03	+0.03	48	47	-2	SSW	1	r	2	57	46	0.16	
PENINSULA.																			

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Sunday, 4th March

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.

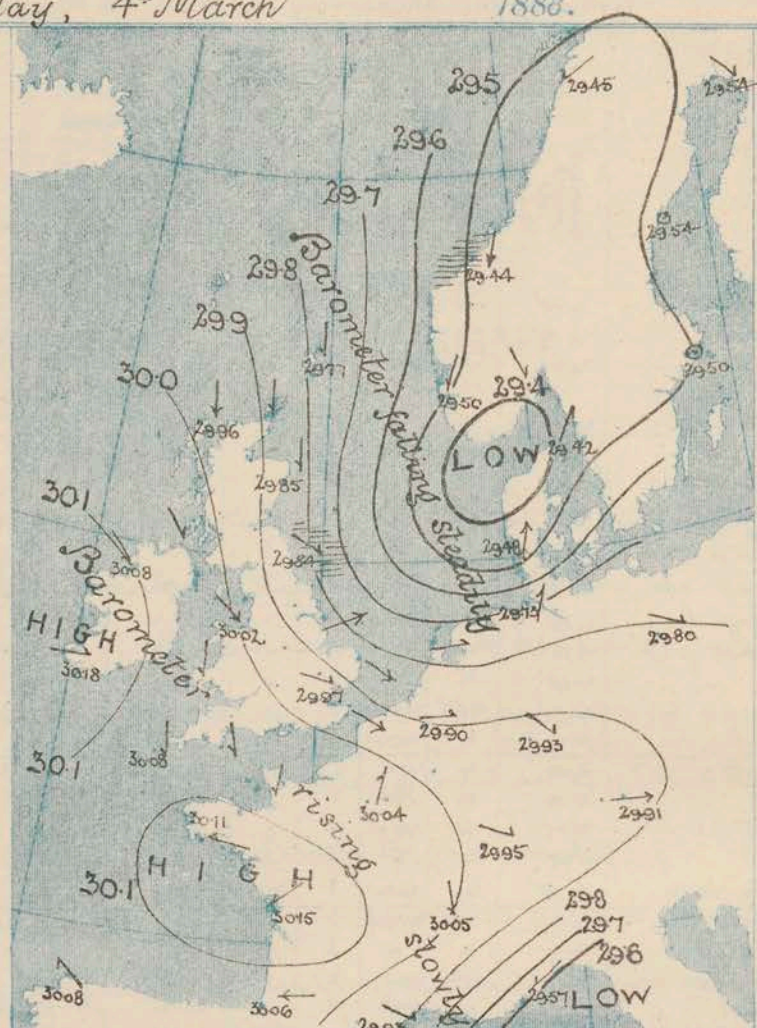
Sea Disturbances — where considerable is shown thus.

■ = Rough ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.779
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.862
Shields	29.896
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.919
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.966
Dover	29.955
LONDON	29.967
Oxford	29.960
Cambridge	29.957
Yarmouth	29.938



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

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

Weather — is shown by Letters of the Beaufort Scale.

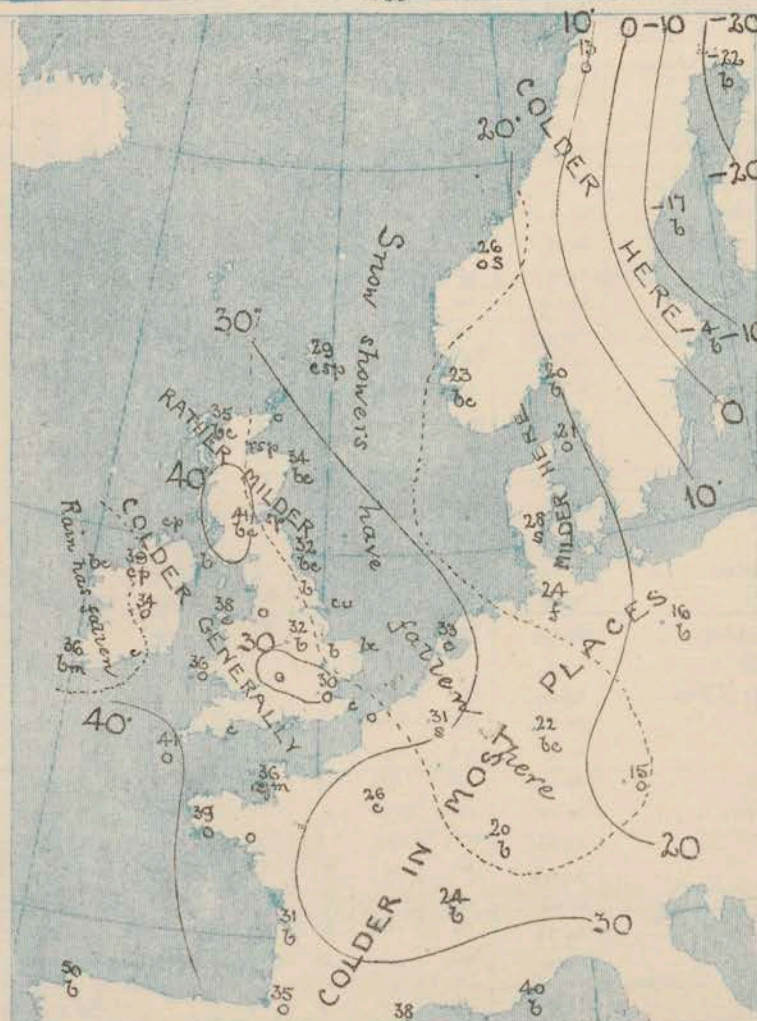
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of March.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	42.6	34.0	38.5	37.1.	2.92
Stornoway	44.9	34.4	39.2	38.0	3.87
Wick	44.7	33.9	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	36.3	1.72
Aberdeen	45.4	34.7	38.0	36.8	2.24
Leith	48.2	34.6	39.7	37.9	1.36
Shields	45.9	35.4	39.6	38.0	1.60
York	48.9	33.7	38.6	37.1	1.63
Loughborough	49.8	34.3	39.5	37.7	1.47
Ardrossan	46.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.0	39.7	1.99
Holyhead	47.6	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	39.5	42.6	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.9	40.5	44.7	42.7	2.32
Hurst Castle	48.3	37.7	41.6	40.7	1.80
Dover	46.9	37.8	41.6	39.9	1.86
LONDON	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.0	38.3	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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, 30.1 ins: and upwards over the south of Ireland and also over the west of France.</p> <p>Lowest, 29.4 ins: and less, in a depression lying off the south of Norway; 29.5 ins: and less in a large and complex area lying over the greater part of Scandinavia, Denmark and the E. portion of the North Sea.</p> <p>Gradients rather steep over Denmark and the North Sea, but slight elsewhere. Barometer falling at all but the Irish and German stations.</p>
TEMPERATURE	<p>Highest, 50° at Cronnes, 48° at Lisbon, 44° at Andros and Scilly, 40° at Kiev, and 39° at Malin Head and Mullaghmore.</p> <p>Lowest, -22° at Haparanda, -17° at Helsingfors, -13° at Stockholm, +13° at Rode, 15° at Munich, 16° at Berlin, and 20° at Belfast.</p> <p>Frost occurred last night at all but our western stations.</p>
WIND	<p>N^W in Norway and Scotland, but NW^W in Ireland, England and Germany, and SW or S in Denmark.</p> <p>E^W in the west of France, S^W or SE^W in Portugal, calm in Sweden.</p> <p>Weak in force in the north and east of our islands, and strong at Faro.</p>
WEATHER	<p>Fine in Sweden, Germany and the greater part of France.</p> <p>Cloudy or overcast in most other localities with snow showers at several of the northern stations.</p> <p>Showers of snow or sleet fell yesterday in many parts of the United Kingdom.</p>
SEA	<p>Rather rough at Shields, but moderate to smooth elsewhere.</p>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed over the Baltic yesterday has travelled away to the southward, but a new and somewhat complex disturbance has appeared over Scandinavia and Denmark. Gradients over the North Sea have become rather steep.

FORECASTS

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

DISTRICTS.

- 10 SCOTLAND NORTH
- 11 SCOTLAND EAST
- 12 ENGLAND N.E.
- 13 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

FORECASTS.

NONE ISSUED.

DISTRICTS.

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

WARNINGS

FORECASTS.

NONE ISSUED.

The north cone was hoisted last evening in districts 0 to 3.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnæs ...	29.81	31	24	NNW	6	c	3	Holyhead ...	30.15	36	32	NNE	4	bc	4
Gumburgh Head ...	29.96	31	30	NNW	3	osp	4	Valencia ...	30.15	48	44	N	3	o	3
Stornoway ...	30.15	36	36	NE	5	o	4	Scilly ...	30.06	45	43	N	4	o	4
Aberdeen ...	30.05	36	34	NE	5	o	4	Dungeness ...	29.96	34	33	NNE	5	o	3
Shields ...	30.04	35	33	NW	4	o	6	London ...	30.02	37	34	NW	3	osp	*
Ardrossan ...	30.13	39	35	NNW	3	b	2	Yarmouth ...	29.92	37	33	N	4	bc	5
Malin Head ...	30.19	37	34	N	3	o	2	Jersey ...	30.04	41	39	NE	3	o	2
Mullaghmore ...	30.19	38	35	NNE	4	o	2	Rocheport ...	30.05	41	38	N	4	b	2
Belmullet ...	30.22	41	37	NE	3	og	*								

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

The reports for yesterday showed that barometric pressure varied from 30.1 ins. and more over the western parts of Ireland and Scotland, and from 30.0 ins. and more over the Bay of Biscay to 28.5 ins. to 28.7 ins. in a depression, the central part of which lay over the Baltic Provinces of Russia. E^{ly} winds prevailed over Northern Europe, NE^{ly} to NW^{ly} gales over Denmark and the Western Baltic, N^{ly} winds in our islands, and variable light breezes in the west and south of France. The weather was cloudy over Northern and Northwestern Europe, with showers of snow in many places, but was on the whole fine elsewhere, but was still cold for the time of year. Temperature, however, had risen in the north and also over Germany, and ranged from somewhat below zero over Lapland, Finland, and the shores of the White Sea to 50° or more over the southeastern and western parts of the Mediterranean, and to a little above 40° in the extreme west of the British Isles. The lowest individual values were -13° at St Petersburg, -12° at Kuopio, -8° at Haparanda, -5° at Archangel, -1° at Uleaborg, +10° at Kharkov, 11° at Rode, 12° at Moscow, 14° at Clermont, 15° at Nicolaiiff and Hermannstadt, 17° at Berlin and Breslau; the highest were 54° at Oran and Malta, 50° at Lisbon, 48° at Sanjuvianico, 48° at Cagliari, Oporto and Barcelona, 46° at Brindisi and 42° at Valencia.

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, 5th March

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 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.		
		Inch.	°				Inch.	Inch.	°	°	°					°	°	Inch.	
SCANDINAVIA.	Haparanda ..	29.45	-5	N	4	b	29.40	-14	1	1	+23	N	2	0	*	1	-24	-	
	Hernösand ...	29.58	-8	NE	0	b	29.65	+11	-18	-18	-1	NE	0	b	*	18	-18	-	
	Stockholm ...	29.48	7	NNE	4	S	29.63	+13	0	0	+4	N	4	b	*	12	-6	0.04	
	Wishby ...														*				
	Bodö ...	29.55	8	ESE	4	b	29.66	+21	5	2	-8	ESE	4	b	2	14	3	-	
	Christiansund...	29.47	25	ESE	3	bc	29.65	+21	23	22	-3	SW	2	S	5	27	18	-	
	Skudesnaes ...	29.51	28	NNW	6	c	29.69	+19	24	23	+1	NNW	2	bc	3	32	23	-	
	Christiania Fjord (Fjorden)	29.41	24	W	3	b	29.69	+27	11	10	-9	ESE	3	b	1	25	9	-	
	Skagen (The Scaw)																		
	Faenø ...	29.50	18	NNW	4	b	29.59	+11	24	23	-4	NW	2	b	*	32	16	-	
BRITISH ISLANDS.	Sumburgh Head	29.79	30	N	5	0	29.80	+03	33	32	+4	NNW	1	0	3	33	27	0.01	
	Stornoway ...	29.98	35	NE	4	bc	29.84	-12	36	36	+1	SW	5	0	4	40	28	-	
	Wick ...	29.89	33	N	2	0	29.85	-02	34	32	+1	WNW	1	0	2	35	29	0.03	
	Nairn ...	29.95	35	N	4	0	29.92	-00	31	?	-2	WSW	1	b	2	38	29	0.02	
	Aberdeen...	29.89	36	NNW	3	0	29.92	+07	33	31	-1	NNW	2	bc	2	38	32	0.01	
	Leith ...	29.93	37	NW	2	c	29.98	+09	31	29	-4	W	1	bc	*	47	28	-	
	Shields ...	29.87	36	NW	2	0	29.97	+13	31	29	-1	W	2	0	4	40	30	-	
	Spurn Head ...	29.82	34	NNW	7	osq	29.94	+12	33	31	-1	WNW	5	og	4	35	31	0.05	
	York ...	29.90	36	N	2	b	30.03	+16	29	27	-6	WNW	1	bc	*	42	26	-	
	Loughborough	29.90	38	NW	2	0	30.02	+08	33	30	+1	WNW	1	c	*	42	30	-	
GERMANY.	Ardrossan ...	29.95	40	NW	3	b	29.99	+06	29	28	-12	ESE	2	0	1	44	25	-	
	Malin Head ...	30.01	41	NNW	3	bc	29.98	-05	39	37	0	SEW	3	0	2	43	36	-	
	Mullaghmore ...	30.05	41	WNW	3	b	30.01	-07	39	38	0	SSW	3	op	2	46	34	0.01	
	Belmullet ...	30.08	43	NNW	1	b	30.01	-11	40	39	+2	W	1	T	*	46	35	0.06	
	Donaghadee ...	29.99	41	N	4	bc	30.03	+02	31	31	-6	WSW	4	b	2	52	29	-	
	Barrow-in-Farness	29.92	40	N	2	bc	30.02	+08	32	29	-5	NNE	2	b	*	45	30	-	
	Liverpool (Bidston)	29.93	37	N	1	c	30.04	+07	35	31	-1	WSW	1	bc	2	43	32	-	
	Holyhead ...	29.96	42	NW	4	bc	30.05	+03	40	37	+2	NNW	2	b	2	43	38	-	
	Parsonstown ...	30.06	42	W	0	0	30.07	-06	32	32	-2	W	0	bc	*	44	27	-	
	Valencia ...	30.13	42	WNW	2	bc	30.10	-08	43	42	+7	WSW	1	0	1	46	34	0.14	
FRANCE & NETHERLANDS.	Roche's Point...	30.08	43	NNW	4	bc	30.09	-04	40	38	+4	NW	1	c	3	45	35	-	
	Pembroke ...	30.02	40	NW	3	c	30.08	+00	40	39	+4	NW	1	bc	0	41	35	-	
	Scilly ...	30.07	41	NNW	4	c	30.12	+04	44	42	+3	NW	4	0	4	44	38	0.03	
	Prawle Point ...	30.04	37	NW	2	0	30.10	+04	37	36	-1	NNW	2	b	1	40	35	-	
	Jersey ...	30.03	38	WNW	3	0	30.10	+04	40	37	+4	WNW	3	bc	3	41	35	-	
	Hurst Castle ...	29.96	38	NNW	4	bc	30.08	+05	32	31	+1	WNW	2	bc	1	40	30	-	
	Dungeness ...	29.84	37	NW	3	m	30.01	+06	25	24	-5	NNW	3	c	1	40	24	-	
	London ...	29.91	38	NW	2	bc	30.03	+06	32	30	+2	W	1	0	*	42	29	-	
	Oxford ...	29.96	34	NNW	3	S	30.06	+07	31	30	+2	W	1	cm	*	40	28	0.03	
	Cambridge ...	29.93	34	N	1	b	30.03	+11	32	30	-1	NW	1	b	*	45	26	-	
PENINSULA.	Yarmouth ...	29.78	35	NW	5	c	29.93	+09	33	31	+1	NW	4	bc	4	37	29	0.08	
	Cuxhaven ...	29.41	30	NW	6	S	29.64	-09	25	25	+1	WSW	2	S	*	32	24	0.01	
	Berlin ...	29.38	27	SW	4	0	29.54	-26	21	20	+5	WNW	5	bc	*	28	21	0.04	
	Wiesbaden ...	*	*	*	*	*	29.80	-13	30	29	+1	W	2	S	*	?	?	0.12	
	Munich ...	29.75	21	W	6	b	29.75	-16	22	21	+1	NW	6	b	*	25	14	0.04	
	The Helder ...	29.67	33	NW	4	b	29.81	+09	31	30	-2	NNW	3	c	3	34	30	0.08	
	Brussels ...	*	*	*	*	*	29.93	+03	31	31	0	WNW	3	c	*	35	28	0.04	
	Cape Gris Nez...	29.86	34	NNW	5	S	29.98	+02	33	32	+1	NNW	5	0	4	37	32	0.24	
	Paris ...	29.94	32	NW	3	0	30.03	-01	33	31	+7	NW	3	0	*	37	?	0.04	
	Brest ...	30.08	39	N	3	0	30.16	+05	40	38	+1	W	4	0	3	48	34	-	

WEATHER CHARTS

for 8 a.m. on Monday, 5th March.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

Sea Disturbance — where considerable is shown thus.

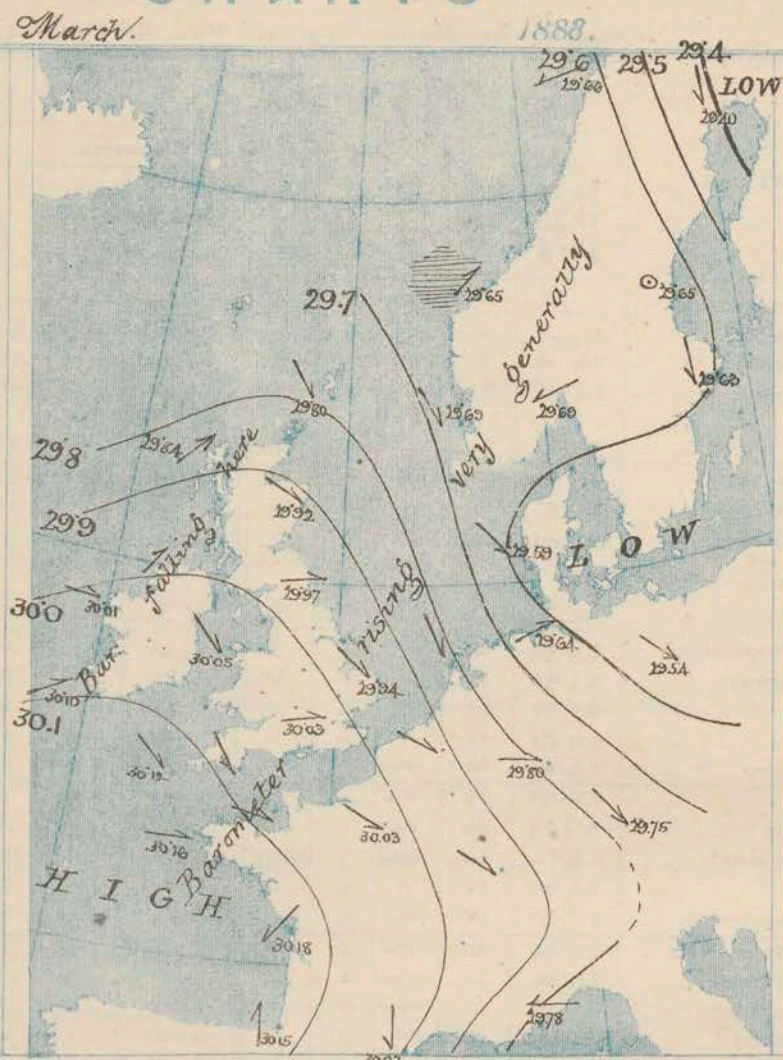
— Rough — High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871 — 1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head.	29.751
Stornoway.	29.779
Wick.	29.797
Nairn.	29.815
Aberdeen.	29.830
Leith.	29.862
Shields.	29.896
York.	29.925
Loughborough.	29.948
Ardrossan.	29.876
Donaghadee.	29.892
Holyhead.	29.919
Liverpool.	29.925
Parsonstown.	29.940
Valencia.	29.938
Roche's Point.	29.941
Pembroke.	29.944
Scilly.	29.966
Jersey.	29.971
Hurst Castle.	29.966
Dover.	29.955
LONDON.	29.967
Oxford.	29.966
Cambridge.	29.957
Yarmouth.	29.938



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 ins. and upwards, in an anticyclone lying over the Bay of Biscay, the coast of France and our extreme southwest coasts.
 Lowest, 29.4 ins. at Haparanda, 29.6 ins. and less, in a large area lying over Denmark, the south of Sweden, North Germany and the southern part of the Baltic.
 Gradients slight generally. Barometer falling on our extreme west and northwest coasts, but rising elsewhere.

TEMPERATURE

Highest, 50° at Dublin, 44° at Scilly, 43° at Valencia, and 40° at Belmullet, Holyhead, Rock Point, Pembroke, Jersey and Brest.
 Lowest, -18° at Husum, 0° at Stockholm, +1° at Haparanda, 5° at Rode, 11° at Faerder, 14° at Berlin, and 22° at Munich.
 Frost occurred last night over the northern and eastern parts of Great Britain.

WIND

SW^{ly} on our extreme west and northwest coasts; fresh in force at Stornoway.
 Light or moderate from W. or NW. in other parts of our islands and also at most of the Continental stations.

WEATHER

Dull on our extreme west and northwest coasts, with rain at Belmullet and Mullaghmore.
 Fair or fine in most other localities, but snow reported at Aukhaven and Neerbaden.
 Snow showers fell yesterday at several of our eastern and south-eastern stations.

SEA

Rather rough at Christiansund, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The fall of the barometer which has set in on our extreme northwest coasts seems to indicate the approach of a depression from the Atlantic.

The size and depth of the disturbance are at present unknown, but increasingly SW^{ly} winds are probable in the west and north generally, with milder weather in most parts of the United Kingdom.

FORECASTS

For the 24 hours ending at NOON on 6th March 1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SW ^{ly} winds, increasing in force; dull, some rain.
1	SCOTLAND EAST	W ^{ly} to SW ^{ly} winds, freshening; fair to unsettled and some rain.
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 ^{ly} to W ^{ly} winds, light or moderate; fair generally.



DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No 0
7	ENGLAND N.W.	Same as Nos 1 and 2
8	ENGLAND S.W.	NW ^{ly} and W ^{ly} winds, freshening; fair generally
9	IRELAND NORTH	Same as No 0
10	IRELAND SOUTH	Same as Nos 1 and 2

WARNINGS

The north cone has been lowered this morning in districts 0 to 3.

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.	Wet.	Sea.		Bar.	Dry.	Wet.	Wind.	Wet.	Sea.
Skudesnaes ...	29.53	33	28	NW 4	60	3	Holyhead ...	29.99	42	39	NW 5	60	4
Sumburgh Head							Valencia ...						
Stornoway ...	29.94	34	37	NE 6	0	4	Scilly ...						
Aberdeen ...							Dungeness ...	29.85	38	38	NW 3	0	2
Shields ...							London ...						*
Ardrossan ...							Yarmouth ...						
Malin Head ...	30.01	42	40	NW 3	0	2	Jersey ...	30.03	39	34	NW 2	0	2
Mullaghmore ...							Rochefort ...	30.13	44	42	2 0	6	2
Belmullet ...	30.08	46	42	NW 2	60	*							

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

The reports for yesterday morning showed that pressure was highest over the Atlantic and western Europe, lowest over western Russia, the Baltic, and the Mediterranean. Three depressions were observed — one near St. Petersburg, another over Denmark and the Skager Rack, and a third over the northeastern part of the Mediterranean. NW. and W. breezes prevailed over the British Islands with rather cold weather and sleet showers in the East, NE. to NW. over France, and SW. over Germany, while over northern Europe the wind was NE. to N. NW. gales were felt sporadically on our northeast coast, and generally in the South of France, while a SSW. gale was reported at Tarris. Temperature was beginning to rise decidedly in the West, but was very low over northern and eastern Europe. The lowest individual values were -22° F. at Haparanda, -17° at Archangel, -17° at Hernösand, -5° at Kuopio, -4° at Stockholm and Memel, -3° at Helsingfors, +2° at Nau Fahrwasser, 6° at Riga and Moscow, 13° at Lwow, Prague and Breslau, 15° at Warsaw, Kiev and Munich, 16° at Berlin, 19° at Belfast and Besançon, 24° at Charleville, and 26° at Paris. The highest were 53° at Nemours and Oram (Algeria), 50° at Palermo and Gaeta, 48° at Barcelona, Cagliari and Brindisi, 41° at Scilly and Ardrossan, 40° at Nice. Later in the day the thermometer rose to upwards of 45° over Ireland, and to 42° over Central England, and the depressions in the northeast passed away southeastwards and eastwards.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 26TH FEBRUARY TO THE 3RD MARCH 1888.

Throughout nearly the whole of this week pressure was highest over the northern and lowest over the southern or southeastern parts of our area. At first the high pressure area lay over Finland and the Gulf of Bothnia, and extended thence in a westerly direction over Scotland, while the lowest pressures lay over southern Europe and the Mediterranean. NE. breezes were consequently prevalent over the British Islands, temperature was very low, and gloomy weather prevailed, with occasional falls of snow. On Tuesday the high pressure area (in which readings exceeded 30.7 in.) was supplemented by another anticyclone which appeared off our northwestern coast, and the two systems moved slightly in a southerly direction, so that SW. winds began to be experienced in the far North, while NE. and E. winds were felt in the South, with very cold frosty weather. On the evening of the 29th a further and important change took place. Depressions began to advance over northern Europe from the northwestward, and the anticyclonic system consequently gave way a little and moved westward. The first depression passed over Lapland on February 28th. The second appeared on March 1st, and its track lay further to the southwards than that of its predecessor, at the same time another disturbance appeared over the South of Spain, but owing to the counteraction of the two the weather over the British Islands was little affected. On Friday and Saturday the northern disturbance moved southward over the Baltic, and by causing a temporary spell of NW. winds in our Islands produced a temporary rise of temperature. N. gales set in to the eastward of the North Sea, and in our Islands some strong gusts were experienced from the northwestward. At the close of the week however, the barometer had begun to rise again, and temperature was falling rapidly over our Islands. The cirrus motion however, showed an unsettled condition.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

† The evening observations are taken at 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, 6th March 1888.

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

Issued by the Meteorological Office, No. 1, Pall Mall Street, London, W.1. SCOTT, Secretary.																	

For Explanation of Columns, see p. 1.

WEATHER CHARTS

for 8 a.m. on

Tuesday, 6th March,

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.

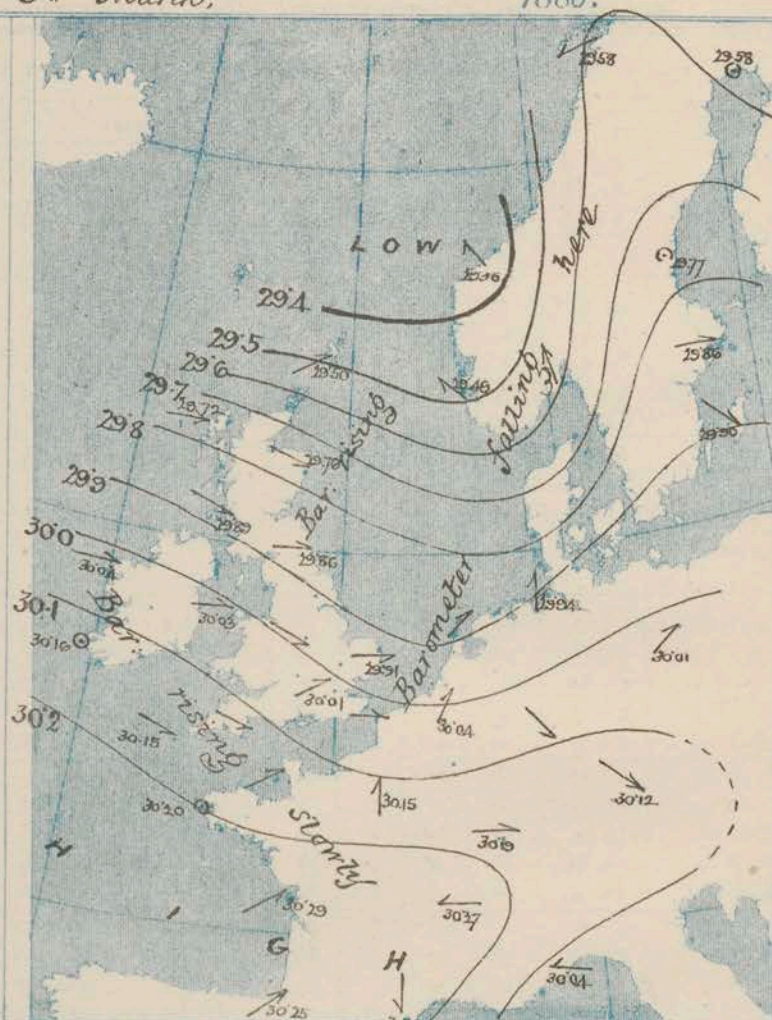
Sea Disturbance — where considerable is shown thus.

— Rough. — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.779
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.862
Shields	29.896
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.919
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.966
Dover	29.955
LONDON	29.967
Oxford	29.966
Cambridge	29.957
Yarmouth	29.938



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

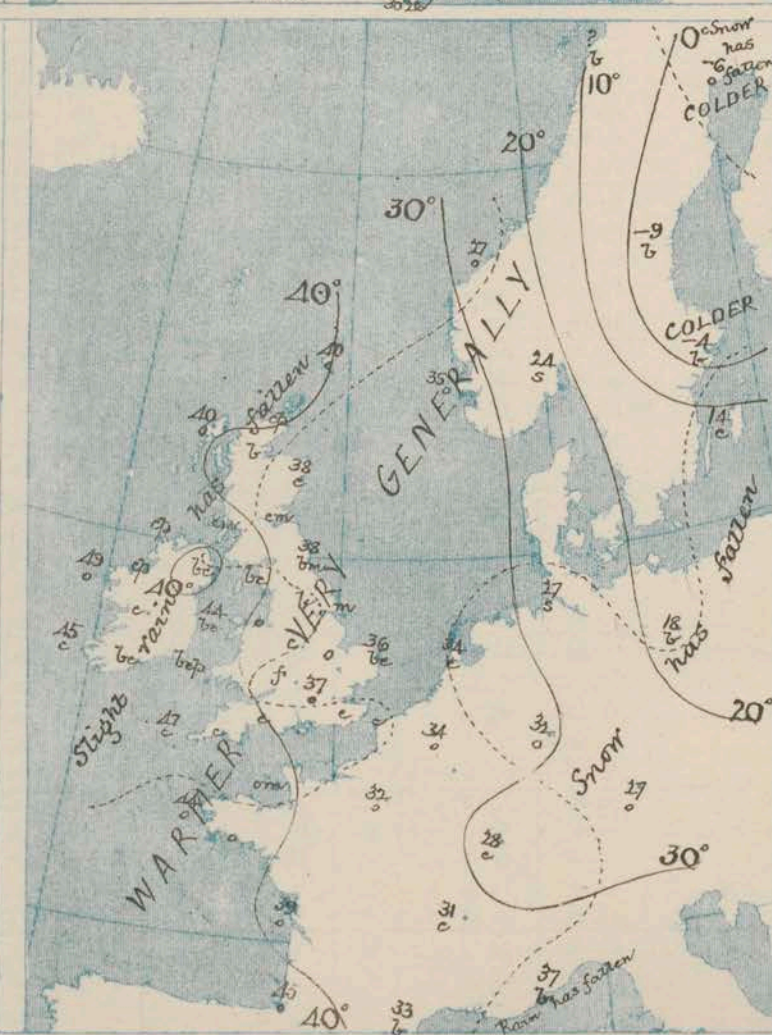
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of March.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	42.6	34.0	38.5	37.1	2.92
Stornoway	44.9	34.4	39.2	35.0	3.87
Wick	44.7	33.9	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	36.3	1.72
Aberdeen	45.4	34.7	38.9	36.8	2.24
Leith	48.2	34.6	39.7	37.9	1.36
Shields	45.9	35.4	39.6	38.0	1.60
York	48.9	33.7	38.6	37.1	1.63
Loughborough	49.8	34.3	39.5	37.7	1.47
Ardrossan	46.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.0	39.7	1.99
Holyhead	47.6	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	39.5	42.6	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.9	40.5	44.7	42.7	2.32
Hurst Castle	45.3	37.7	41.6	40.7	1.80
Dover	46.9	37.8	41.6	39.9	1.86
LONDON	50.0	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	33.3	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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 Bay of Biscay and the west and south of France.
 Lowest, 29.4 ins. and less in a depression lying off the west of Norway.
 Gradients moderate. Barometer falling a little in Norway and the east of our Islands, but rising elsewhere.

TEMPERATURE

Highest, 49° at Kalmuklet, 47° at Scilly, 45° at Valencia and Biarritz, and 44° at Holyhead, Jersey, Brest and Lorient.
 Lowest, -9° at Helsingfors, -6° at Haparanda, -4° at Stockholm, +14° at Nisby, 18° at Berlin and 24° at Vardø.
 Slight frost occurred over England last night.

WIND

Moderate W^{ly} (NW to SW) over our Islands and the west of France.
 Light SW^{ly} over the Netherlands and North Germany; SE^{ly} or E^{ly} in Norway.
 Variable in the south and east of France, calm in the north of Sweden.

WEATHER

Fair generally, but dull in places, and showery at some of our western and northern stations.
 Snow is falling at Lander and Lushoven.
 Since yesterday morning a little rain has fallen in many parts of the United Kingdom.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is at present rising on our western coasts, but conditions are favourable for the advance of fresh depressions from the Atlantic, and the wind is therefore likely to back to the SW^{ly} in many parts of the United Kingdom, with unsettled weather in the west.

FORECASTS

for the 24 hours ending at NOON on 7th March 1888.

DISTRICTS.

FORECASTS.

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

W^{ly} to SW^{ly} winds, fresh or strong, dull, some rain.
 Same as No 5.
 Same as No 5.
 Same as No 5.
 Same as No 5.
 W^{ly} and SW^{ly} winds, moderate or fresh, fair to unsettled and some rain.

DISTRICTS.

FORECASTS.

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

W^{ly} and SW^{ly} winds, freshening, fair to unsettled and some rain.
 D° D° D°
 D° D° D°
 SW^{ly} winds, increasing in force; cloudy, some rain.
 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 ...	29.78	33	30	E 2	c	3	Holyhead ...	30.04	44	40	SW 2	bc	2
Sumburgh Head ...	29.66	39	37	WSW 3	c	3	Valencia ...	30.10	52	49	W 3	bcv	2
Stornoway ...	29.73	44	44	SW 6	T	4	Scilly ...	30.14	45	42	WNW 4	0	4
Aberdeen ...	29.83	40	36	SSW 2	0	2	Dungeness ...	30.04	40	33	NW 3	m	1
Shields ...	29.94	42	36	W 2	b	4	London ...	30.05	44	40	WNW 2	c	*
Ardrossan ...	29.92	42	40	SSW 4	0	3	Yarmouth ...	29.98	36	33	NW 4	c	4
Malin Head ...	29.91	45	44	W 3	bc	2	Jersey ...	30.14	46	41	WNW 3	b	3
Mullaghmore ...	29.91	47	44	SW 4	cv	2	Rocheport ...	30.24	48	41	WNW 1	b	2
Belmullet ...	30.00	47	43	WNW 3	bc	*							

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

The reports for yesterday morning showed that the high pressure area recently prevailing off our western coasts was moving southwards, but that there was still a ridge spreading northwards from the Bay of Biscay over the whole of the British Islands, and reaching the west of Norway. Over Europe four distinct depressions were found— one covering the shores of the White Sea, another lying between Breslau and Neufahrwasser, and another over the southeast of Russia, while a fourth lay over Corsica. Thus, while W^{ly} (SW to NW) winds prevailed over the British Islands, NW^{ly} to N^{ly} winds were felt over France, the North Sea and Baltic, and very variable breezes over Germany and Russia. The weather was cloudy over the northwestern countries, with slight rain showers in Ireland, but over nearly the whole of the Continent it was changeable, in many places snow had fallen, and at Malta an inch and a quarter of rain was reported. Temperature was still very low; frost prevailed except in the extreme west and northwest, and over all the eastern and central parts of Europe it was severe. The lowest individual values reported were -18° F. at Hornsands, -14° at Kuopio, -12° at Uleaborg and Hango, -11° at Kiev, -10° at St. Petersburg and Kharkov, -9° at Riga and Stockholm, +2° at Cracow and Moscow, 5° at Warsaw, 8° at Mennel and Budapesth, 11° at Gander, 18° at Gap, 24° at Berlin and Hamburg, 22° at Munich, 31° at Madrid and ~~and~~ Brussels, 32° in London and 33° at Paris; the highest were 57° at Oran (Algiers) 51° at Malta, 50° at Lisbon and San Fernando, 47° at Angoulême, 44° at Scilly, 43° at Valencia, and 40° at Cherbourg, Portsmouth and Holyhead.

Later on the thermometer rose to a higher level over our Islands and many parts of France, and the rise seemed to be spreading 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 7th March

1888.

Issued by the Meteorological Office, 116, Victoria Street, London, N. 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 ..	29.62	2	Z	0	S	29.67	+ .09	1	1	+ 7	SE	4	S	*	7	-6	0.04														
Hernösand ...	29.61	-3	Z	0	b	29.64	- .13	-4	-5	+ 5	Z	0	c	*	23	-13	-														
Stockholm ...	29.61	10	SE	2	o	29.38	- .48	19	18	+ 23	E	6	S	*	?	-9	0.12														
Wisby ...	29.62	18	NW	6	S	29.18	- .77	25	24	+ 11	WNW	8	S	*	25	10	0.35														
Bodö ...	29.53	15	ENE	4	b	29.56	- .02	13	11	?	ENE	4	b	2	18	12	-														
Christiansund...	29.27	25	ESE	2	b	29.39	+ .03	22	21	- 5	E	1	b	2	30	19	-														
Skudesnaes ...	29.37	38	WNW	7	o	29.44	- .05	34	33	- 1	WNW	2	S	4	38	34	-														
Christiania Fjord (Færd)	29.30	26	SSE	5	S	29.49	- .20	16	15	- 8	NNE	4	b	3	25	14	-														
Skagen (The Scaw)	29.28	35	NW	6	o	29.49	- .22	24	20	0	NE	3	o	3	36	24	0.12														
Faßö ...	29.63	35	WSW	6	o	29.63	- .13	35	34	+ 6	WSW	4	o	*	36	28	-														
BRITISH ISLANDS.																															
Sumburgh Head	29.50	26	NW	6	o	29.47	- .03	31	31	- 9	Z	0	os	3	44	30	0.04														
Stornoway ...	29.72	46	W	4	r	29.39	- .33	46	46	+ 6	NW	3	o	3	49	38	0.38														
Wick ...	29.65	43	NW	3	o	29.40	- .22	36	36	- 4	NNE	2	rd	1	48	34	0.27														
Nairn ...	29.72	45	W	2	b	29.42	- .32	45	44	+ 6	SW	4	p	2	50	38	0.10														
Aberdeen...	29.74	45	WSW	2	c	29.46	- .30	43	42	+ 5	WSW	3	o	2	50	37	-														
Leith ...	29.82	47	W	3	b	29.63	- .19	45	44	+ 4	WSW	6	r	*	51	40	0.06														
Shields ...	29.87	46	W	3	c	29.76	- .10	45	42	+ 7	SW	4	ow	2	49	37	-														
Spurn Head ...	29.94	40	W	3	c	29.89	+ .02	40	38	+ 3	SW	5	og	3	43	36	-														
York ...	29.96	43	W	3	b	29.90	- .01	43	40	+ 4	W	3	o	*	50	37	-														
Loughborough	30.02	46	WSW	1	o	30.04	+ .04	42	40	+ 3	WSW	4	o	*	43	39	-														
Ardrossan ...	29.90	48	W	4	omf	29.71	- .18	44	44	+ 3	SSW	5	r	5	50	42	0.07														
Malin Head ...	29.94	45	W	4	om	29.65	- .29	45	44	+ 2	WSW	6	org	6	47	40	0.01														
Mullaghmore	30.02	46	SW	3	b	29.78	- .22	47	45	+ 4	WSW	5	c	3	51	43	-														
Belmullet ...	30.03	46	WSW	2	c	29.78	- .26	48	46	+ 1	SW	6	o	*	51	46	0.01														
Donaghadee ...	29.99	47	WSW	3	c	29.80	- .17	45	43	+ 7	WSW	7	c	5	53	37	0.01														
Barrow-in-Furness	29.98	44	SW	3	o	29.86	- .09	42	40	+ 1	S	6	b	*	46	40	-														
Liverpool (Bidston)	30.02	43	WSW	6	b	29.94	- .04	43	39	+ 4	SW	5	b	4	47	39	-														
Holyhead ...	30.05	45	WSW	3	cp	29.96	- .07	43	42	- 1	SW	5	b	5	48	41	0.04														
Parsonstown ...	30.10	45	SW	1	b	29.93	- .17	45	43	+ 3	S	2	c	*	52	37	-														
Valencia ...	30.14	49	SSW	3	c	29.94	- .22	50	46	+ 5	S	5	c	5	53	43	-														
Roche's Point...	30.15	48	W	3	c	30.02	- .12	45	43	+ 3	SW	4	b	4	51	41	-														
Pembroke ...	30.14	43	SW	3	b	30.06	- .03	44	43	+ 1	SSW	4	b	3	46	43	-														
Scilly ...	30.21	46	W	4	c	30.14	- .01	47	45	0	SSW	4	c	4	49	42	0.02														
Prawle Point ...	30.20	44	W	3	b	30.17	+ .04	43	43	0	SW	4	og	3	50	39	0.03														
Jersey ...	30.21	45	W	3	cm	30.25	+ .11	42	41	- 2	WSW	3	b	3	49	39	-														
Hurst Castle ...	30.14	41	NW	3	b	30.17	+ .11	38	38	- 2	W	4	f	1	50	35	0.01														
Dungeness ...	30.06	39	W	4	c	30.10	+ .10	36	36	+ 1	W	4	c	2	43	34	-														
London ...	30.05	44	SW	2	b	30.12	+ .11	37	36	0	WSW	2	b	*	48	33	-														
Oxford ...	30.12	42	WSW	3	b	30.12	+ .10	39	38	+ 3	SW	3	c	*	48	36	-														
Cambridge ...	30.06	44	SW	1	o	30.06	+ .07	41	41	+ 3	SW	1	b	*	51	35	-														
Yarmouth ...	29.99	42	W	2	b	29.99	+ .08	41	40	+ 5	W	4	b	3	44	35	-														
Cuxhaven ...	29.90	34	W	4	f	29.84	- .10	35	35	+ 8	W	5	f	*	35	?	-														
Berlin ...	29.90	33	W	4	o	29.79	- .25	38	36	+ 20	WNW	4	o	*	38	18	-														
Wiesbaden ...	*	*	*	*	*	30.17	+ .04	38	36	+ 6	SW	2	o	*	39	?	-														
Munich ...	30.17	11	W	4	o	30.22	+ .10	33	32	+ 6	SW	6	o	*	34	27	-														
FRANCE & NETHERLANDS.																															
The Helder ...	29.96	35	SW	1	b	29.93	+ .04	37	36	+ 3	WNW	3	c	3	37	24	-														
Brussels ...	*	*	*	*	*	30.13	+ .09	38	37	+ 4	SSW	4	o	*	39	36	0.04														
Cape Gris Nez...	30.06	37	WSW	5	o	30.09	+ .14	37	37	+ 1	SW	5	b	2	43	36	-														
Paris ...	30.19	41	WSW	3	o	30.27	+ .12	35	34	+ 3	SW	1	o	*	45	32	-														
Brest ...	30.28	45	Z	0	o	30.26	+ .06	41	39	- 3	SE	4	o	4	48	34	-														
Lorient ...	30.30	45	WNW	3	o	30.28	+ .07	42	42	- 1	SW	3	c	2	46	39	-														
Rochefort ...	?	44	SW	4	o	30.38	+ .09	38	37	- 1	S	3	b	2	49	32	-														
Belfort ...	30.17	36	W	1	o	30.39	+ .10	36	36	+ 8	SW	1	c	*	39	28	-														
Lyons ...	30.32	35	N	1	S	30.39	+ .12	32	31	+ 1	N	1	c	*	34	31	-														
Nice ...	29.93	42	Z	0	b	30.24	+ .20	34	34	+ 2	E	3	b	1	52	34	-														
Perpignan ...	30.26	45	N	2	c	30.37	+ .11	40	36	+ 7	NW	2	b	*	55	37	-														
Biarritz ...	30.35	48	W	4	o	30.37	+ .12	42	39	- 3	SSE	3	b	1	52	39	-														
PENIN. SULA.																															
Corunna ...	*	*	*	*	*						NNW	4	b	2	55	43	-														
Lisbon ...	30.32	50	NW	1	b	30.35		44	42								-														

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on WEDNESDAY 7TH MARCH.

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.

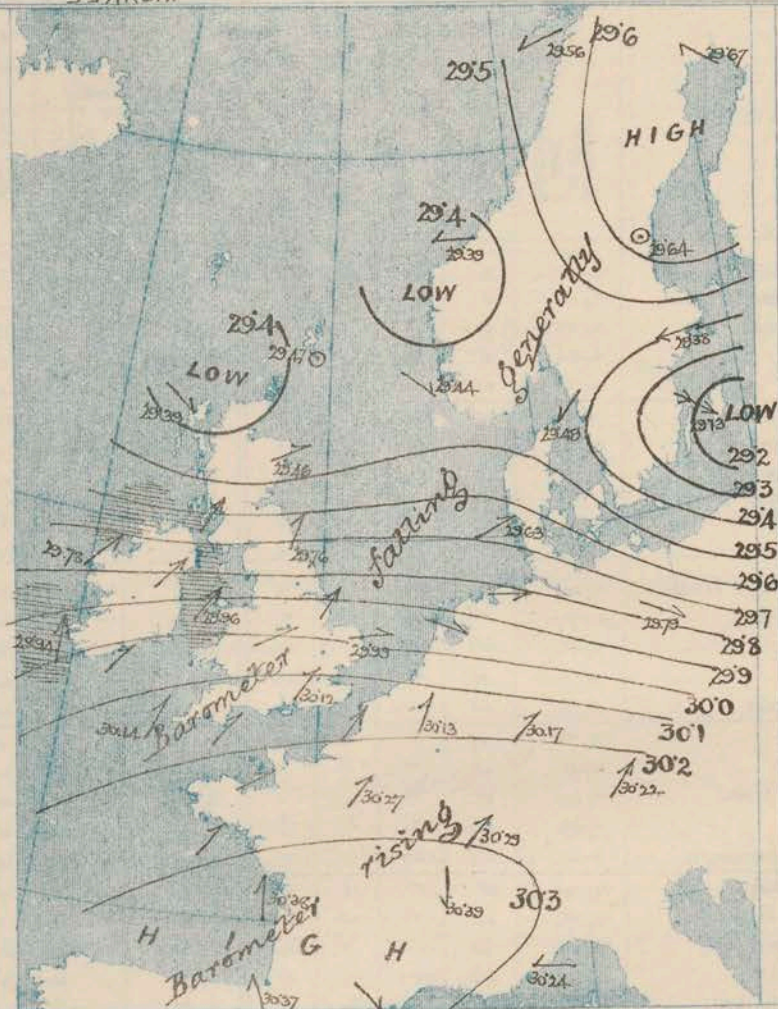
▨ = Rough. ▨ = High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head.	29.751
Stornoway	29.770
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.862
Shields	29.896
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.919
Liverpool	29.935
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.966
Dover	29.955
LONDON	29.967
Oxford	29.966
Cambridge	29.957
Yarmouth	29.938



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

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

Weather — is shown by Letters of the Beaufort Scale.

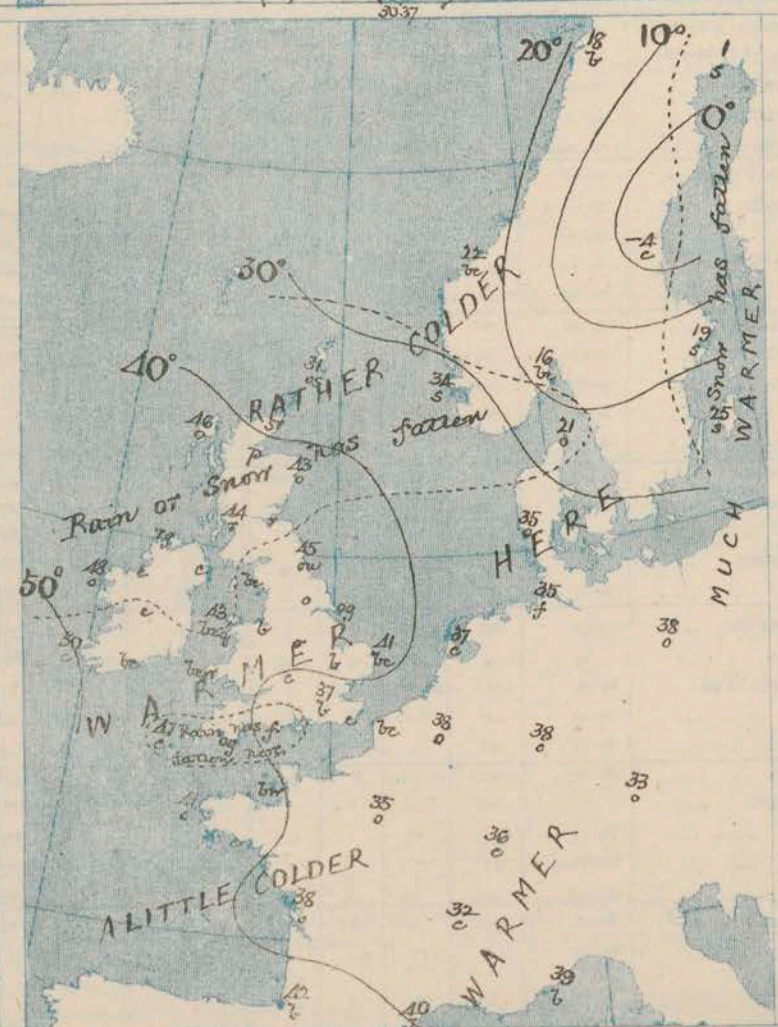
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of March.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.6	34.0	38.5	37.1	2.92
Stornoway	44.9	34.4	39.2	38.0	3.87
Wick	44.7	33.9	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	38.3	1.72
Aberdeen	45.4	34.7	38.9	36.8	2.24
Leith	48.2	34.6	39.7	37.9	1.36
Shields	45.9	35.4	39.6	38.0	1.60
York	48.9	33.7	38.6	37.1	1.63
Loughborough	49.8	34.3	39.5	37.7	1.47
Ardrossan	46.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.0	39.7	1.99
Holyhead	47.6	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	39.5	42.6	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.9	40.5	44.7	42.7	2.32
Hurst Castle	48.3	37.7	41.6	40.7	1.80
Dover	46.9	37.8	41.6	39.9	1.86
LONDON	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	33.3	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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	<i>Highest 30.3 ins. and upwards over Spain and the South of France. Lowest 29.2 ins. and less in a depression lying over Gotthard; 29.4 ins. and less in two other disturbances lying respectively over the West of Norway, and the extreme North of Scotland. Gradients rather steep over our Islands and the North Sea. Barometer falling at all but the French stations.</i>
TEMPERATURE	<i>Highest 50° at Valencia, 48° at Belmullet, 47° at Mullaghmore and Scilly, and 46° at Stormoey. Lowest -4° at Hørnessand, +1° at Haparanda, 13° at Bodø, 16° at Lænder, 19° at Stockholm, and 21° at Skagen.</i>
WIND	<i>Light and variable in Norway and the extreme North of Scotland. S.W. by W. in most other parts of western Europe; strong in force over the northern parts of Ireland and England.</i>
WEATHER	<i>Fine in France and the South of our Islands, as well as at some of the Norwegian stations. Cloudy or overcast elsewhere, with rain or sleet at several of our northern stations, and snow in the South of Sweden. Slight rain fell yesterday in many parts of the United Kingdom, and somewhat decided falls in the extreme N. of Scotland.</i>
SEA	<i>Rough at Malin Head and rather rough at several of our western stations, but moderate to smooth elsewhere.</i>



PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions in the North are likely to travel eastwards, but as the barometer still falls steadily in the West, and the wind at Valencia has backed to the S.W., it is probable that further disturbances will shortly appear off our western coast. A gradual extension of unsettled weather is likely to take place over our Islands.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	<i>Varying W^{ly} breezes, moderate or fresh; changeable, some rain.</i>	6 { SCOTLAND WEST	<i>S^{ly} and SW^{ly} winds, strong; unsettled, some rain.</i>
1 { SCOTLAND EAST	<i>.....D.....D.....D.....</i>	7 { ENGLAND N.W.	<i>.....D.....D.....D.....</i>
2 { ENGLAND N.E.	<i>SW^{ly} winds, freshening; cloudy, some rain.</i>	8 { ENGLAND S.W.	<i>SW^{ly} winds, increasing in force; fair to unsettled and some rain.</i>
3 { ENGLAND EAST	<i>Same as N° 5.</i>	9 { IRELAND NORTH	<i>Same as N° 6 and 7.</i>
4 { MIDLAND COUNTIES	<i>Same as N° 2.</i>	10 { IRELAND SOUTH	<i>Same as N° 6 and 7.</i>
5 { ENGLAND SOUTH	<i>SW^{ly} and W^{ly} winds, increasing in force; fair to unsettled and some rain.</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 ...	29.42	38	37	S	6	ors	Holyhead ...	30.05	47	45	W	3	cp	2
Sumburgh Head ...	29.41	40	39	NW	5	ap	Valencia ...	30.15	51	47	SW	3	b	3
Stornoway ...	29.72	48	47	WNW	6	c	Scilly ...	30.19	49	46	WNW	4	b	4
Aberdeen ...	29.72	47	42	WNW	5	bc	Dungeness ...	30.03	42	40	W	4	c	3
Shields ...	29.86	48	43	W	3	c	London ...	30.06	48	44	W	3	o	*
Ardrossan ...	29.89	50	47	W	4	bc	Yarmouth ...	29.95	44	41	WNW	3	bc	2
Malin Head ...	29.94	46	46	W	4	o	Jersey ...	30.32	48	43	W	4	o	2
Mullaghmore ...	30.02	48	46	WSW	4	c	Rocheport ...	30.19	49	46	WNW	4	bc	3
Belmullet ...	30.05	51	47	WSW	2	b								

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

The reports for yesterday morning showed that pressure varied from between 30.2 ins. and 30.3 ins. over Spain, the Bay of Biscay and southwest of France, and from 30.1 ins. and more over central Russia, to 29.4 ins. and less in a depression, the centre of which lay off the West of Norway, and to rather below 29.0 ins. in another depression lying over the Black Sea and southern Russia. There was still a small shallow disturbance over the South of Genoa also. W. winds, cloudy, and in some places showery weather were prevalent over western Europe, southwesterly to SE. winds over western Germany, Denmark and Norway, but NW. breezes over the Baltic, and E. breezes on the northern shores of the Black Sea. The weather was fair in the northwest and West, but snow was again falling over eastern and central Europe. Temperature had risen in most places but was still very low over Russia, Austria and Germany, in which region frost was yet prevalent. The lowest individual values at 8 a.m. were: 20° F. at Kuopio, -16° at Helsingfors, -12° at Hangö, -11° at Uleaborg, -9° at Hernösand, -6° at Haparanda, -4° at Warsaw, -4° at Stockholm, -2° at Archangel, +4° at Memel, 7° at Kiew, 10° at Kharkov and Riga, 12° at Lwow, 18° at Berlin, 27° at Munich and Christiansund, and 30° at Madrid; the highest were 56° at Lisbon, 54° at Oran (Algeria), 48° at Palermo, 47° at Baghari, Scilly and Belmullet, 45° at Sangüinaire, Biarritz and Valencia (Ireland), 44° at Jersey and Holyhead, and 40° at Stornoway, Wick and Sumburgh Head.

Later in the day the thermometer rose to 50° or more at many of the western and northern stations, and to 48° in London.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

DAILY WEATHER REPORT.

for Thursday, 8th March 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.		Amount of Rainfall.		
				Dir.	Force. (0 to 12.)		Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Weather.	Max.		Min.	
SCANDINAVIA.	Haparanda ..	29.76	8	2	0	b	29.75	+08	8	8	-9	N	2	b	*	7	-9	—	
	Hernösand ...	29.69	1	2	0	0	29.88	+24	-1	-1	+3	Z	0	b	*	19	-8	—	
	Stockholm ...	29.60	4	2	0	b	29.79	+41	-2	-2	-21	Z	0	b	*	21	?	—	
	Wisby ...	29.54	17	NE	4	0	29.75	+62	19	17	-6	E	4	c	*	30	16	—	
	Bodö ...	29.67	12	ENE	4	b	29.84	+28	6	3	-7	ENE	4	b	3	18	6	—	
	Christiansund...	29.45	22	ENE	4	b	29.75	+36	18	17	-4	ESE	1	b	2	27	14	—	
	Skudesnaes ...	29.54	33	NW	5	c	29.69	+25	32	30	-2	ESE	2	0	2	38	32	—	
	Christiania Fjord (Fjorder)	29.51	19	ENE	3	c	29.76	+27	19	18	+3	NNE	3	0	2	19	16	—	
	Skagen (The Seaw)	29.52	22	ENE	2	b	29.72	+23	23	23	+2	NE	1	0	2	28	21	0.08	
	Fanö ...	29.51	35	N	6	r	29.75	+12	32	32	-3	WSW	1	0	*	36	32	0.24	
BRITISH ISLANDS.	Sumburgh Head	29.61	31	NNE	1	b	29.53	+06	32	32	+1	SE	3	s	3	37	30	0.06	
	Stornoway ...	29.48	42	E	5	r	29.23	-16	47	47	+1	SW	6	r	5	47	36	0.74	
	Wick ...	29.63	37	NE	3	0	29.36	-04	37	37	+1	SE	7	orp	6	38	31	0.27	
	Nairn ...	29.57	35	NE	1	r	29.26	-06	34	32	-11	Z	0	sm	1	48	32	1.01	
	Aberdeen...	29.62	39	NE	3	b	29.47	+01	39	39	-4	S	1	r	5	54	35	0.40	
	Leith ...	29.59	47	N	4	0	29.43	-10	48	46	+3	S	2	c	*	50	44	0.39	
	Shields ...	29.69	46	SW	3	c	29.52	-14	48	46	+3	S	2	0	2	48	43	0.03	
	Spurn Head ...	29.80	46	WSW	6	c	29.68	-12	44	42	+4	S	4	c	3	47	39	0.01	
	York ...	29.79	48	N	4	0	29.63	-17	48	45	+5	S	2	0	*	51	42	—	
	Loughborough	29.91	47	WSW	3	0	29.72	-19	47	46	+5	SSW	3	ow	*	51	41	—	
GERMANY.	Ardrossan ...	29.62	45	SW	5	r	29.42	-20	45	45	+1	S	5	r	4	45	43	1.02	
	Malin Head ...	29.59	47	SSW	4	op	29.36	-23	48	48	+3	SSW	5	op	3	49	45	0.06	
	Mullaghmore ...	29.63	49	SSW	7	0	29.33	-30	50	48	+3	SSW	6	c	4	51	45	—	
	Belmullet ...	29.63	47	SW	7	om	29.27	-36	48	47	0	SW	7	op	*	48	46	0.08	
	Donaghadee ...	29.65	51	N	6	c	29.45	-20	47	46	+2	SW	4	b	3	52	44	0.01	
	Barrow-in-Furness	29.76	44	SSW	6	0	29.55	-21	45	44	+3	S	5	0	*	46	42	0.03	
	Liverpool (Bidston)	29.83	45	SW	6	b	29.61	-22	50	47	+7	SSW	3	0	3	51	43	—	
	Holyhead ...	29.85	45	SSW	6	op	29.58	-27	45	45	+2	SSW	6	op	6	48	43	0.05	
	Parsonstown ...	29.77	49	S	3	0	29.45	-32	50	47	+5	S	2	c	*	55	43	0.01	
	Valencia ...	29.72	50	S	7	op	29.43	-29	51	49	+1	S	8	om	6	52	48	0.18	
FRANCE & NETHERLANDS.	Roche's Point...	29.82	45	SW	5	0	29.54	-28	47	47	+2	SW	5	0	4	47	45	0.45	
	Pembroke ...	29.94	45	SSW	4	0	29.65	-29	45	45	+1	S	5	fd	4	46	44	0.16	
	Scilly ...	29.95	48	SSW	6	0	29.75	-30	50	49	+3	SSW	5	op	5	51	45	0.45	
	Prawle Point ...	30.09	44	SW	5	0	29.82	-33	46	46	+3	SSW	6	f	5	48	37	0.12	
	Jersey ...	30.18	47	SW	4	op	29.99	-26	46	44	+4	SSW	5	rm	4	50	42	0.07	
	Hurst Castle ...	30.10	42	WSW	5	c	29.86	-31	45	45	+7	SW	7	rm	5	48	38	0.06	
	Dungeness ...	30.05	40	N	5	c	29.91	-31	40	39	+4	SW	5	0	4	45	35	0.08	
	London ...	30.03	46	WSW	3	c	29.86	-32	46	45	+9	SSW	3	0	*	51	37	—	
	Oxford ...	30.00	44	SW	3	0	29.80	-32	47	46	+8	S	5	odu	*	50	38	—	
	Cambridge ...	29.96	47	SW	3	0	29.79	-27	47	46	+6	S	2	0	*	51	39	—	
PENINSULA.	Yarmouth ...	29.89	46	N	4	b	29.79	-20	46	45	+5	WSW	4	0	3	49	40	—	
	Cuxhaven ...	29.74	36	N	7	r	29.87	+13	39	38	+4	WNW	3	r	*	39	?	0.34	
	Berlin ...	29.76	41	WNW	8	0	29.81	+05	39	38	+1	WNW	5	r	*	41	39	0.20	
	Wiesbaden ...	*	*	*	*	*	30.15	-02	40	38	+2	SW	1	c	*	46	37	—	
	Munich ...	30.22	44	N	5	c	30.25	+03	34	31	+1	N	5	0	*	39	32	—	
	The Helder ...	29.84	39	SW	5	0	29.84	-04	38	37	+1	SW	4	0	3	39	37	—	
	Brussels ...	*	*	*	*	*	30.02	-11	39	37	+1	SSW	5	r	*	47	39	0.04	
	Cape Gris Nez...	30.06	40	SW	7	c	29.95	-14	39	39	+2	SW	5	f	4	43	37	—	
	Paris ...	30.25	45	SW	3	0	30.17	-10	35	34	0	SSW	3	b	*	51	33	—	
	Brest ...	30.17	46	S	4	b	29.94	-22	46	44	+5	SSW	8	r	6	50	36	0.20	
PENINSULA.	Lorient ...	30.25	46	SSW	5	c	30.06	-12	48	46	+5	SSW	7	r	5	52	42	0.08	
	Roche fort ...	30.36	47	SSW	4	b	30.27	-11	39	37	+1	SSE	5	c	2	52	34	—	
	Belfort ...	30.29	40	N	1	c	30.21	-08	41	40	+5	NE	1	b	*	43	34	—	
	Lyons ...	30.40	39	SW	1	b	30.29	-10	31	29	-1	SSE	3	b	0	47	28	—	
	Nice ...	30.33	44	SSW	1	b	30.32	+08	39	35	0	E	1	b	1	54	36	—	
	Perpignan ...	30.37	47	NE	1	b	30.38	+01	31	29	-9	SW	1	b	*	58	28	—	
	Biarritz ...	30.32	55	S	4	b	30.24	-13	50	41	+8	S	5	b	2	55	?	—	
PENINSULA.	Corunna ...	*	*	*	*	*	30.42	+07	47	46	+3	Z	0	c	2	59	?	—	
	Lisbon ...	30.37	52	SW	5	b													

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Thursday, 8th March

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.

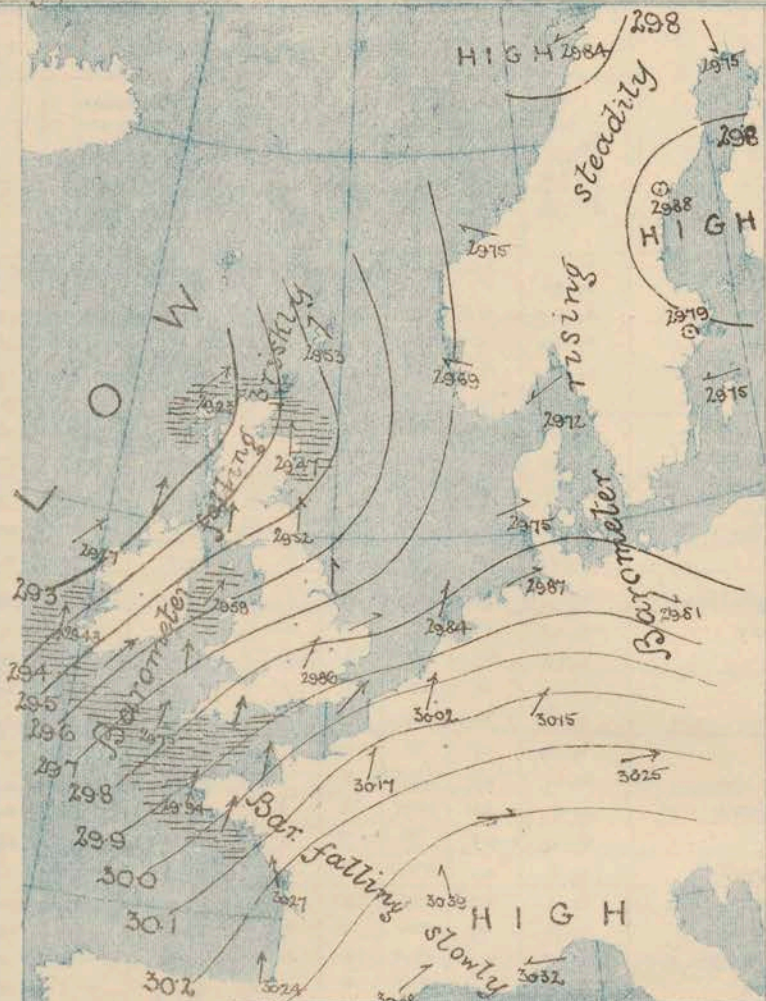
Sea Disturbance — where considerable is shown thus.

▨ = Rough. ▨ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.751
Stornoway	29.779
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.862
Shields	29.896
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.919
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.966
Dover	29.955
LONDON	29.967
Oxford	29.966
Cambridge	29.957
Yarmouth	29.938



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

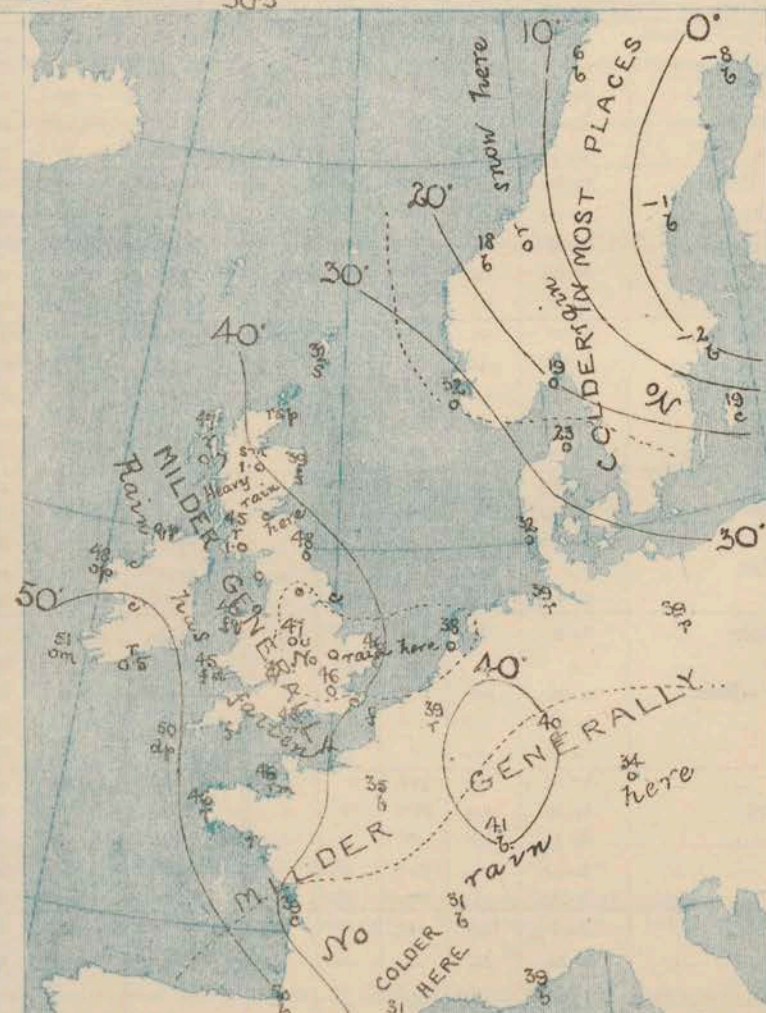
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of March.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 3 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.6	34.0	38.5	37.1	2.92
Stornoway	44.9	34.4	39.2	38.0	3.87
Wick	44.7	33.9	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	36.3	1.72
Aberdeen	45.4	34.7	38.9	36.8	2.24
Leith	48.2	34.6	39.7	37.9	1.36
Shields	45.9	35.4	39.6	38.0	1.60
York	48.9	33.7	38.6	37.1	1.63
Loughborough	49.8	34.3	39.5	37.7	1.47
Ardrossan	46.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.0	39.7	1.99
Holyhead	47.6	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	39.5	42.6	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.9	40.5	44.7	42.7	2.32
Hurst Castle	48.3	37.7	41.6	40.7	1.80
Dover	46.9	37.8	41.6	39.9	1.86
LONDON.	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	33.3	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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 30.42 ins. at Lisbon; 30.3 ins. and upwards over Spain and the South of France. Lowest 29.3 ins. and less in a large area lying off the extreme West of our Islands. Gradients slight over Scandinavia and the Baltic, but rather steep elsewhere. Barometer falling in all parts of our Islands and France, - quickly in the West.
TEMPERATURE	Highest 51° at Valencia, and 50° at Mullaghmore, Liverpool, Personstoun, Scilly and Biarritz. Lowest -8° at Haparanda, -2° at Stockholm, -1° at Hernösund, +6° at Bodø, 18° at Christiansund, 19° at Faerder and Wisby, and 31° at Lyons and Perpignan.
WIND	S. or S.W. by over the greater part of our Islands and France; strong in the West and Southwest, with a gale at Valencia. S.E. in the North of Scotland and West of Norway; light generally but strong at Wick. Calm or light and variable in Sweden; fresh W. in Germany.
WEATHER	Fine over Scandinavia and the greater part of France. Cloudy or overcast elsewhere, with sleet in the North of Scotland, and rain at several of our Western & Southwestern stations. Rain fell yesterday in all but our Central and Southeast districts, - heavily in Scotland.
SEA	Rough on our West, southwest and extreme North coasts, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions noticed yesterday over the northern parts of Western Europe have entirely or partially dispersed, the barometer has risen briskly in Scandinavia, and areas of comparatively high readings have appeared over the Gulf of Bothnia and North of Norway.

A large and somewhat deep cyclonic system has however, advanced to our extreme West coasts and is apparently extending over our Islands in an easterly direction. Some further increase of wind is therefore, probable at all but our eastern stations, with rain in most districts.

FORECASTS

for the 24 hours ending at NOON on 9th March 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S.E. and S. winds, strong to a gale; dull, sleet at first, but afterwards becoming milder.	6 SCOTLAND WEST	S. winds increasing in force; cloudy, squally, some rain.
1 SCOTLAND EAST	S. winds, increasing in force; dull, some rain.	7 ENGLAND N.W.	.....D.....D.....D.....
2 ENGLAND N.E.	.....D.....D.....D.....	8 ENGLAND S.W.	.....D.....D.....D.....
3 ENGLAND EAST	Same as N° 5.	9 IRELAND NORTH	S. to S.W. strong winds and gales; squally, some rain.
4 MIDLAND COUNTIES	Same as N° 5.	10 IRELAND SOUTH	.....D.....D.....D.....
5 ENGLAND SOUTH	S. and S.W. winds, strong; dull and rainy at first, but improving later.		

WARNINGS

The SOUTH CONE was hoisted yesterday in districts 7 to 10 and this morning in 0 to 6.

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 ...	29.42	36	32	WNW 2	o f	14	Holyhead ...	29.88	46	44	SSW 6	o g	6
Sumburgh Head ...	29.52	34	32	NNE 2	b	2	Valencia ...	29.81	50	48	S 7	o g m	6
Stornoway ...	29.48	43	43	E 5	r	4	Scilly ...	30.07	51	47	SSW 6	c	5
Aberdeen ...	29.48	50	48	WNW 3	d	2	Dungeness ...	30.09	42	41	W 5	c	3
Shields ...	29.68	48	45	SW 4	o	2	London ...	30.05	50	47	WSW 5	o	*
Ardrossan ...	29.64	45	45	SSW 5	r	4	Yarmouth ...	29.91	49	44	W 5	o g	3
Malin Head ...	29.59	48	46	SW 6	o	4	Jersey ...	30.22	48	46	SW 4	c	3
Mullaghmore ...	29.69	49	48	SSW 6	o m	4	Rocheport ...	30.40	51	48	SSW 4	b	2
Belmullet ...	29.88	48	47	SW 3	o d	*							

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 more) over Spain and the southwest of France, and that a second high pressure area in which readings exceeded 29.9 ins. was being formed over the White Sea. From these two regions pressure decreased - to about 29.4 ins. in some depressions off our northern coasts, to 28.8 ins. in another one lying near Memel, and to about 29.5 ins. over Southern Russia. SW winds had become prevalent over the British Isles, North Sea, and north of France, W to SW winds in Germany, and SE winds in the Baltic Provinces, while over Northern Europe the wind was E. Rain and sleet had fallen in the northwest, and snow at many of the Baltic stations, as well as over various parts of Russia, but at 8 am the weather was fair at most of the western stations, though the air was becoming soft and humid. Temperature continued to increase over the northwestern countries, and the change was spreading eastwards over Germany. Over Northern and Eastern Europe, however, hard frost still prevailed - the lowest individual readings being -13° at Kuopio, -11° at Helsinki, -4° at Riga and Helsingfors, +1° at Haparanda, 3° at St. Petersburg, 7° at Moscow, 11° at Kharkov, 12° at Kiev, 18° at Memel, 27° at Leningrad and 28° at Madrid. The highest were 56° at Algiers, 52° at Palermo, 51° at Malta, 50° at Barcelona and Valencia (Ireland) 48° at Belmullet, 47° at Scilly and Mullaghmore, 46° at Stornoway, 41° at Cambridge and Yarmouth. Thus, there was little change at the Mediterranean stations, but the warm W current over our Islands was extending quickly to the eastward.

Later in the day the wind backed to the southward over the British Isles, and temperature rose to between 50° and 54° in many places while a good deal of rain fell in Scotland and some in Ireland.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Friday 9th March

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.)	Weather.	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 ...	29.65	-1	N	2	b	29.69	-0.04	-5	-5	+3	N	2	b	*	5	-9	-	-
	Hernösand ...	29.88	-3	Z	0	b	29.78	-0.10	-11	-11	-10	Z	0	b	*	23	-	-	-
	Stockholm ...	29.91	4	Z	0	b	29.81	+0.10	0	0	+2	Z	0	b	*	12	-4	-	-
	Wishby ...	29.89	8	NNW	2	b	29.81	+0.08	17	15	-2	E	4	0	*	23	7	-	-
	Bodo ...	29.89	8	ENE	2	b	29.76	-0.13	13	11	+2	E	2	b	1	13	6	-	-
	Christiansund ...	29.71	21	ESE	4	b	29.84	-0.13	21	18	+3	E	8	b	3	23	18	-	-
	Skudesnaes ...	29.57	29	SE	7	s	29.30	-0.27	30	30	-2	ESE	4	s	4	24	28	-	-
	Christiania Fjord (Færder)	29.78	21	NNE	5	0	29.66	-0.12	18	18	-1	ENE	6	s	3	21	16	-	-
	Skagen (The Scaw)	29.71	20	SE	4	0	29.54	-0.17	24	24	+1	SE	6	0	3	27	23	0.08	-
	Fanø ...	29.52	24	SW	2	r	29.43	-0.09	35	35	+3	S	4	f	*	36	30	0.55	-
BRITISH ISLANDS.	Sumburgh Head	29.57	37	SE	6	r	29.00	-0.57	41	41	+9	SE	14	r	7	41	31	0.06	-
	Stornoway ...	29.05	48	SW	5	0	28.88	-0.17	45	45	-2	S	3	0	3	49	48	0.10	-
	Wick ...	29.17	43	SE	2	c	28.93	-0.24	43	43	+6	SW	1	c	3	44	36	0.13	-
	Nairn ...	29.14	48	Z	0	c	28.94	-0.20	43	43	+9	SW	1	r	1	51	34	0.03	-
	Aberdeen ...	29.22	47	S	1	0	28.99	-0.23	44	43	+5	SW	3	rm	5	49	39	0.13	-
	Leith ...	29.23	50	SW	1	0	29.01	-0.22	51	47	+3	SW	3	b	*	46	46	0.04	-
	Shields ...	29.26	51	SSW	4	0	29.11	-0.15	58	47	+2	SSW	4	b	2	55	47	-	-
	Spurn Head ...	29.49	48	SSW	5	c	29.28	-0.21	48	47	+4	SW	4	c	3	52	43	0.06	-
	York ...	29.47	53	SSW	4	0	29.27	-0.20	51	48	+3	SSW	6	c	*	55	47	0.03	-
	Loughborough	29.57	51	SW	5	b	29.30	-0.27	50	48	+3	SW	3	c	*	56	47	0.14	-
GERMANY.	Ardrossan ...	29.18	46	S	4	op	29.00	-0.18	46	46	+1	S	4	0	4	48	43	0.35	-
	Malin Head ...	29.15	47	W	4	0	28.92	-0.23	46	46	-2	SW	3	atm	3	51	46	0.18	-
	Mullaghmore ...	29.18	50	SW	5	0	28.89	-0.29	49	48	-1	SW	6	cmv	5	53	47	0.36	-
	Belmullet ...	29.17	49	SW	5	omv	28.81	-0.36	48	47	0	SSW	8	0	*	50	46	0.32	-
	Donaghadee ...	29.24	49	SW	4	c	29.02	-0.22	48	47	+1	SW	5	c	5	52	45	0.22	-
	Barrow-in-Furness	29.27	46	S	7	0	29.19	-0.08	45	44	0	S	7	ow	*	48	48	0.36	-
	Liverpool (Bidston)	29.45	51	SW	5	c	29.23	-0.22	49	46	-1	SW	6	bc	4	54	48	0.06	-
	Holyhead ...	29.42	46	SSW	7	mcy	29.21	-0.21	46	46	+1	SSW	8	cmv	7	47	45	0.20	-
	Parsonstown ...	29.33	51	SSW	2	0	29.06	-0.27	50	47	0	S	3	c	*	57	48	0.78	-
	Valencia ...	29.30	50	S	8	rm	29.03	-0.27	52	48	+1	SSW	8	ogm	7	53	50	0.28	-
FRANCE & NETHERLANDS.	Roche's Point...	29.43	48	SW	7	r	29.15	-0.28	49	47	+2	SW	7	c	5	50	46	0.60	-
	Pembroke ...	29.56	45	S	5	0	29.33	-0.23	46	45	+1	SSW	6	ogm	6	47	45	0.31	-
	Scilly ...	29.60	50	SSW	6	0	29.45	-0.15	50	50	0	SSW	6	omv	6	52	46	0.23	-
	Prawle Point ...	29.74	46	SSW	6	m	29.52	-0.22	47	47	+1	SSW	6	fw	8	48	38	0.20	-
	Jersey ...	29.89	47	W	4	ogm	29.68	-0.21	49	48	+3	SSW	7	rm	5	50	45	0.30	-
	Hurst Castle ...	29.76	44	SW	7	mcp	29.55	-0.21	44	44	-1	SW	8	mpa	5	46	43	0.38	-
	Dungeness ...	29.78	42	SW	6	0	29.54	-0.24	44	44	+4	SW	6	r	5	44	39	0.20	-
	London ...	29.79	49	SW	4	c	29.49	-0.30	50	48	+4	SW	5	og	*	50	46	0.22	-
	Oxford ...	29.64	49	SSW	6	b	29.44	-0.20	50	49	+3	SSW	4	c	*	53	47	0.17	-
	Cambridge ...	29.75	50	S	2	0	29.43	-0.32	52	50	+5	SW	3	c	*	52	47	0.05	-
PENIN- SULA.	Yarmouth ...	29.65	48	SW	4	c	29.42	-0.23	50	49	+4	SSW	5	cq	4	50	44	0.08	-
	Cuxhaven ...	29.76	39	SW	5	r	29.53	-0.23	43	43	+4	SW	5	f	*	43	39	0.40	-
	Berlin ...	29.82	40	W	3	r	29.74	-0.08	43	42	+4	SW	3	r	*	43	39	0.53	-
	Wiesbaden ...	*	*	*	*	*	29.93	-0.22	45	42	+5	SW	3	0	*	32	41	-	-
	Munich ...	30.04	38	W	3	b	30.10	-0.15	43	36	+9	W	7	0	*	45	36	-	-
	The Helder ...	29.65	39	SW	4	f	29.44	-0.21	42	41	+4	SW	7	r	4	43	37	0.35	-
	Brussels ...	*	*	*	*	*	29.69	-0.33	50	48	+11	SSW	7	r	*	51	45	0.12	-
	Cape Gris Nez...	29.80	41	SW	7	0	29.58	-0.22	42	42	+3	SSW	5	r	6	43	36	0.06	-
	Paris ...	30.04	43	SW	4	0	29.92	-0.12	49	47	+4	SW	5	0	*	51	42	0.04	-
	Brest ...	29.83	48	SW	7	r	29.70	-0.13	49	46	+3	SW	8	r	7	50	36	0.32	-

For Explanation of Columns, see p. 4.



1882.

(Explanation of Map)

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

⊙ = dead calm.

Sea Disturbance.—where considerable is shewn thus.

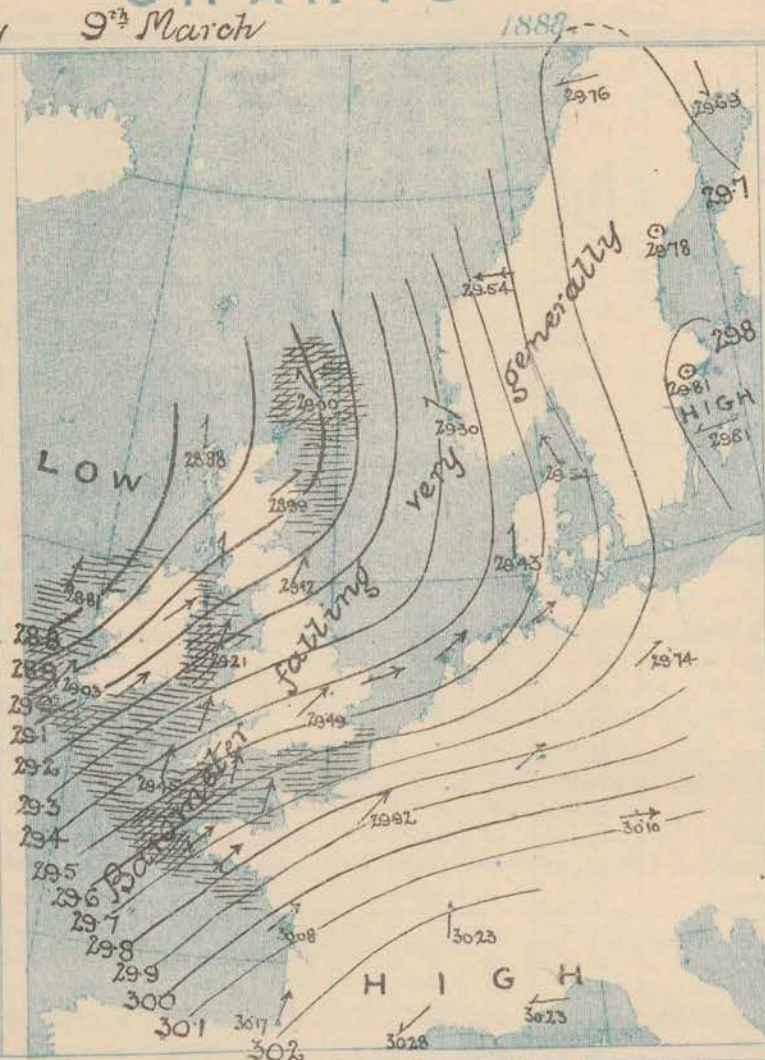
 = Rough  = High

MEAN HEIGHT of the BAROMETER

at 5 a m, for the month of March.

During the 15 Years 1871—1885

STATIONS.		MEAN READINGS.
	<i>ins.</i>	
Sumburgh Head	29	751
Sternoway	29	779
Wick	29	797
Nairn	29	815
Aberdeen	29	830
Leith	29	862
Shields	29	896
York	29	925
Loughborough	29	948
Ardrossan	29	876
Donaghadee	29	892
Holyhead	29	919
Liverpool	29	925
Parsonstown	29	940
Valencia	29	938
Rocha's Point	29	941
Pembroke	29	944
Silly	29	966
Jersey	29	971
Hurst Castle	29	966
Dover	29	955
LONDON	29	967
Oxford	29	966
Cambridge	29	957
Yarmouth	29	938



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

Weather is shown by Letters of the Beaufort Scale.

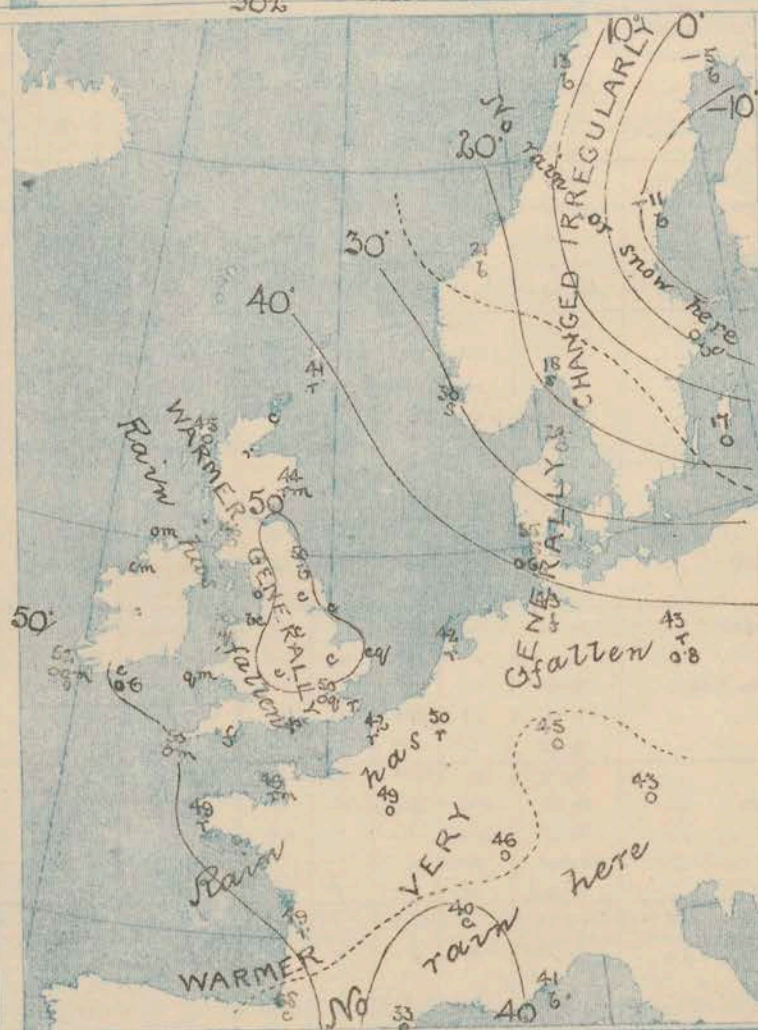
Rainfall. A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL
for the month of January

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min	at 3 a.m.		
			Dry	Wet	
Sumburgh Head	42·6	34·0	38·5	37·1	2·92
Stornoway	44·9	34·4	39·2	38·0	3·87
Wick	44·7	33·9	39·1	37·2	1·97
Nairn	45·6	34·2	38·2	36·3	1·72
Aberdeen	45·4	34·7	38·9	36·8	2·24
Leith	48·2	34·6	39·7	37·9	1·36
Shields	45·9	35·4	39·6	38·0	1·60
York	48·9	33·7	38·6	37·1	1·63
Loughborough	49·8	34·3	39·5	37·7	1·47
Ardrossan	46·8	36·6	40·5	38·7	2·59
Donaghadee	47·3	37·1	41·0	39·7	1·99
Holyhead	47·6	39·2	42·5	41·0	2·21
Liverpool	47·3	37·1	40·8	38·7	1·69
Parsonstown	50·1	35·5	41·2	39·6	2·35
Valencia	51·6	40·6	45·4	43·4	4·24
Rocha's Point	50·2	40·0	43·8	42·1	3·71
Pembroke	47·1	39·5	42·6	40·8	2·45
Scilly	49·9	43·0	46·5	44·7	2·38
Jersey	49·9	40·5	44·7	42·7	2·32
Burst Castle	48·3	37·7	41·6	40·7	1·80
Dover	46·9	37·8	41·6	39·9	1·66
LONDON	50·6	35·8	40·6	38·7	1·43
Oxford	49·5	35·2	39·4	37·9	1·52
Cambridge	50·6	33·3	39·2	37·7	1·38
Yarmouth	45·7	35·8	40·8	39·1	1·77

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 South of France; 29.8 ins. and upwards over the Baltic. Lowest 28.8 ins. and less in a depression lying off our extreme northwest coasts. Gradients steep over England, Ireland and France, and rather steep over the North Sea. generally, - most in our western and northern coasts. <i>Barometer falling</i>
TEMPERATURE	Highest 58° at Bournemouth, 52° at Valencia and Leambridge, 51° at Leith, York and Lisbon, and 50° at Shields, Parsonstown, Lillie, London, Oxford and Larmouth. Lowest -11° at Hervisand, -5° at Haparanda, Ojersat Stockholm, +13° at Bodø, 17° at Wisby, 18° at Laredo, and 21° at Christianound.
WIND	Strong to a gale from the S.W. in the West and South of our Islands, and also in Belgium and the North and West of France. Light or moderate from the same quarter on our North and East coasts, and also in Germany. E. in Norway and the extreme South of France; calm or light variable in Sweden.
WEATHER	Fine in the North of Scandinavia, and fair at some of our more central stations. Cloudy or overcast elsewhere with rain in many places, and snow at Skudenes. Since yesterday rain has fallen generally over our Islands and France.
SEA	Very high at Broule Point, high at Lumburg Head, Holyhead and Valencia, and rough or rather so on all but our East coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay off our extreme northwest coasts yesterday has apparently travelled away to the northwards.

This morning however, a new and deeper disturbance has appeared in the same locality, and steep gradients have been formed over all our West and South coasts. No important change in the weather is indicated at present. Depressions will probably continue to advance to our West coasts, and strong squally S.W. winds or gales are likely in most districts, with mild showery weather.

FORECASTS

for the 24 hours ending at NOON on 10th March 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S th winds, moderate to strong, perhaps a gale; Squally, some rain.	6 SCOTLAND WEST	Same as N ^o 0 and 1.
1 SCOTLAND EAST	.....D.....D.....D.....	7 ENGLAND N.W.	S.W. gales, moderating later; Squally, showery.
2 ENGLAND N.E.	S th and S.W. winds, strong; squally, changeable, some rain.	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	S.W. strong winds and gales; Squally, changeable, some rain.		

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 last evening in districts 1, 2, 3 and 5.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Ther.	Wet.	Wind.	Wav.	Sea.		Bar.	Dry.	Wet.	Wind.	Wav.	Sea.
Skudesnæs ...	29.67	34	29	SE 6	0	3	Holyhead ...	29.49	46	46	SSW 6	m qf	6
Sumburgh Head ...	29.86	35	35	SE 5	T	6	Valencia ...	29.39	52	51	SSW 8	om d	6
Stornoway ...	29.44	49	49	SW 5	0	4	Scilly ...	29.70	53	51	SSW 6	om	5
Aberdeen ...	29.30	48	46	SW 2	0	2	Dungeness ...	29.83	42	41	SW 6	T	4
Shields ...	29.42	53	50	SW 3	0	2	London ...	29.76	50	48	SW 5	0	*
Ardrossan ...	29.30	47	46	S 4	T	4	Yarmouth ...	29.70	49	47	SW 5	C	4
Malin Head ...	29.20	50	49	SSW 4	0	3	Jersey ...	29.92	49	48	SSW 5	0	4
Mullaghmore ...	29.16	51	50	SSW 5	0	4	Rocheport ...	30.23	47	45	S 5	0	3
Belmullet ...	29.14	50	49	SW 6	0	*							

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

The reports for yesterday morning showed that pressure varied from between 30.1 ins. and 30.4 ins. in a large anticyclone which covered the whole of Southern Europe and the Mediterranean, and from about 29.8 ins. in a ridge which extended thence in a northerly direction to the north of Scandinavia, to about 29.3 ins. and less, in a large depression which lay off our northwest coasts, and to about the same value in another (Germanic) disturbance found over Central Russia. Gales and strong squally winds from S. and SW. were reported over the British Isles and France, accompanied by mild showery weather in many places, and by much rain and wet snow in Scotland. Over Germany and Austria-Hungary the wind was NW² and was accompanied by wet snow, while over Northern Europe the winds reported were from between N. and E. and the weather was cold and bright. Temperature had again increased over the British Isles, France, and the North Sea, and the NW² current over Germany had carried with it milder weather to the east and southeast of Europe than had been experienced for a long while past. Over Lapland, Finland, and Russia severe frost still held, and less severe frost over Switzerland, and the inland stations in the south of France. The lowest individual values recorded were -9° F at Kuspio, -8° at Uleaborg, Haparanda and Hanjo, -3° at Sittlerburg, -2° at Stockholm and Helsingfors, +2° at Moscow, 5° at Memel and Karkov, 6° at Rode, 23° at Gap and Besan, 25° at Clermont, and 31° at Perpignan. The highest were 55° at Algiers, 54° at Comma, 52° at Barcelona and Oporto, 51° at Valencia (Ireland) 50° at Mullaghmore, Larne, Lill, and Biarritz, 48° at Shields and York and 46° in London.

Later on temperature rose to between 50° and 57° in many parts of the British Isles, the wind rose to a gale in the west and south, and mild rain fell very generally but not heavily.

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; 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 10th March. 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. A. H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 82° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.82	0	Z	0	b	29.86	+ .17	-4	-4	+ 1	N	2	c	*	12	-6	—	
	Hernösand ...	29.77	1	Z	0	o	29.80	+ .02	5	5	+ 16	Z	0	s	*	25	-13	—	
	Stockholm ...	29.64	9	NE	2	o	29.64	- .17	4	3	+ 4	N	2	o	*	19	-6	—	
	Wisby ...	29.58	21	E	4	s	29.51	- .30	21	20	+ 4	E	4	o	*	39	10	0.08	
	Bodö ...	29.76	14	ENE	4	b	29.78	+ .02	12	9	- 1	ENE	4	b	2	18	10	—	
	Christiansund...	29.37	21	ENE	6	b	29.39	- .15	21	19	0	ENE	4	b	3	25	18	—	
	Skudesnaes ...	29.23	30	E	6	s	29.30	.00	30	27	0	E	6	o	4	34	30	—	
	Christiania Fjord (Færder)	29.46	21	ENE	6	s	? 29.55	- .11	16	14	- 2	NE	6	o	3	21	14	—	
	Skagen (The Seaw)	29.29	25	ESE	5	o	29.38	- .16	19	18	- 5	ESE	6	o	4	27	19	0.08	
	Fanö ...	29.22	24	SW	4	f	29.17	- .26	35	35	0	SW	2	r	*	37	34	0.35	
BRITISH ISLANDS.	Sumburgh Head	29.00	39	SE	5	o	29.24	+ .24	37	26	- 4	SE	4	o	7	43	35	0.15	
	Stornoway ...	28.81	46	S	3	f	29.07	+ .19	44	44	- 1	Z	0	f	2	47	41	0.06	
	Wick ...	28.88	43	SE	2	o	29.12	+ .19	43	43	0	SE	3	d	6	50	39	0.07	
	Nairn ...	28.85	50	Z	0	bv	29.04	+ .10	41	38	- 2	Z	0	m	1	56	38	0.02	
	Aberdeen...	28.89	46	SW	3	opf	29.10	+ .11	42	41	- 2	NNW	1	f	2	52	40	0.10	
	Leith ...	28.87	49	SW	3	c	29.08	+ .07	45	43	- 6	WSW	1	cm	*	53	43	0.03	
	Shields ...	28.99	48	SSW	4	a	29.08	- .04	47	46	- 3	W	2	d	2	56	44	0.05	
	Spurn Head ...	29.13	50	SW	5	c	29.11	- .17	45	42	- 3	WSW	6	op	4	52	42	0.13	
	York ...	? 29.16	53	S	4	bv	? 29.16	- .11	46	44	- 5	W	5	o	*	58	45	0.04	
	Loughborough	29.22	52	SW	5	c	29.24	- .12	47	43	- 3	WSW	3	c	*	56	45	0.02	
GERMANY.	Ardrossan ...	28.82	46	S	4	r	29.13	+ .13	45	45	- 1	NW	3	c	3	46	43	0.38	
	Malin Head ...	28.85	46	NW	3	of	29.19	+ .27	43	43	- 2	W	2	op	2	50	42	0.14	
	Mullaghmore ...	28.89	46	NNW	5	o	29.20	+ .31	43	42	- 6	SW	4	bv	2	52	41	0.10	
	Belmullet ...	28.98	47	NNW	7	og	29.22	+ .41	44	43	- 4	W	1	o	*	49	42	0.09	
	Donaghadee ...	? 28.88	47	WSW	2	o	29.19	+ .15	44	43	- 1	WSW	3	bv	2	51	43	0.11	
	Barrow-in-Furness	28.95	45	S	7	r	29.18	- .01	43	43	- 2	SW	4	o	*	? 49	42	0.23	
	Liverpool (Bidston)	29.05	50	SW	7	o	29.23	.00	45	43	- 4	WSW	6	o	4	55	44	0.17	
	Holyhead ...	29.00	46	SSW	9	omv	29.25	+ .04	44	44	- 2	WSW	3	cm	4	49	42	0.26	
	Parsonstown ...	29.03	48	WSW	3	r	29.27	+ .21	43	43	- 7	Z	0	o	*	53	41	0.13	
	Valencia ...	29.20	60	WSW	5	omv	29.28	+ .25	49	48	- 3	SSW	3	cm	4	52	47	0.19	
FRANCE & NETHERLANDS.	Roche's Point...	29.15	49	WSW	6	r	29.28	+ .20	48	47	- 1	WSW	2	r	4	52	45	0.06	
	Pembroke ...	29.20	47	WSW	7	o	29.34	+ .01	45	45	- 1	SW	5	cm	6	48	44	0.03	
	Scilly ...	29.40	50	WSW	7	c	29.43	- .02	49	48	- 1	WSW	7	cm	6	53	47	0.02	
	Prawle Point ...	29.45	47	SSW	6	o	29.45	- .07	45	45	- 2	SW	6	pm	6	48	39	0.04	
	Jersey ...	29.59	48	WSW	5	opm	29.57	- .11	47	46	- 2	WSW	6	cm	5	51	45	0.39	
	Hurst Castle ...	29.45	44	SW	8	cd	29.44	- .11	43	43	- 1	SW	7	f	6	46	43	0.25	
	Dungeness ...	29.44	43	WSW	5	f	29.36	- .18	42	41	- 2	W	5	e	5	44	41	0.16	
	London ...	29.38	50	SW	5	cpv	29.34	- .15	49	47	- 1	WSW	5	od	*	53	46	0.02	
	Oxford ...	29.31	48	S	6	r	29.34	- .10	47	46	- 3	SW	5	opv	*	54	47	0.23	
	Cambridge ...	29.31	51	SSW	2	v	29.28	- .15	47	47	- 5	SW	2	r	*	56	45	—	
PENINSULA.	Yarmouth ...	29.21	51	SW	5	bv	29.21	- .21	48	46	- 2	W	5	bv	3	55	45	—	
	Cuxhaven ...	29.44	41	SW	5	r	29.32	- .21	43	43	0	SW	4	o	*	44	41	0.24	
	Berlin ...	29.51	45	SW	2	r	29.40	- .34	44	44	+ 1	SW	2	bv	*	45	43	0.28	
	Wiesbaden ...	*	*	*	*	*	29.50	- .43	48	47	+ 3	Z	0	r	*	52	41	0.16	
	Munich ...	29.87	50	W	7	o	29.71	- .39	46	44	+ 3	SW	5	r	*	52	43	0.04	
	The Helder ...	29.35	41	SW	5	r	29.21	- .23	40	39	- 2	SW	5	c	4	43	39	0.08	
	Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Cape Gris Nez...	29.48	43	SW	8	f	29.39	- .19	42	42	0	WSW	8	f	6	45	41	0.24	
	Paris ...	29.71	52	SW	7	o	29.60	- .32	48	46	- 1	SW	4	o	*	55	47	0.39	
	Brest ...	29.65	49	SW	7	f	29.68	- .02	48	44	- 1	SW	7	o	7	50	37	0.24	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Saturday, 10th March

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.

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

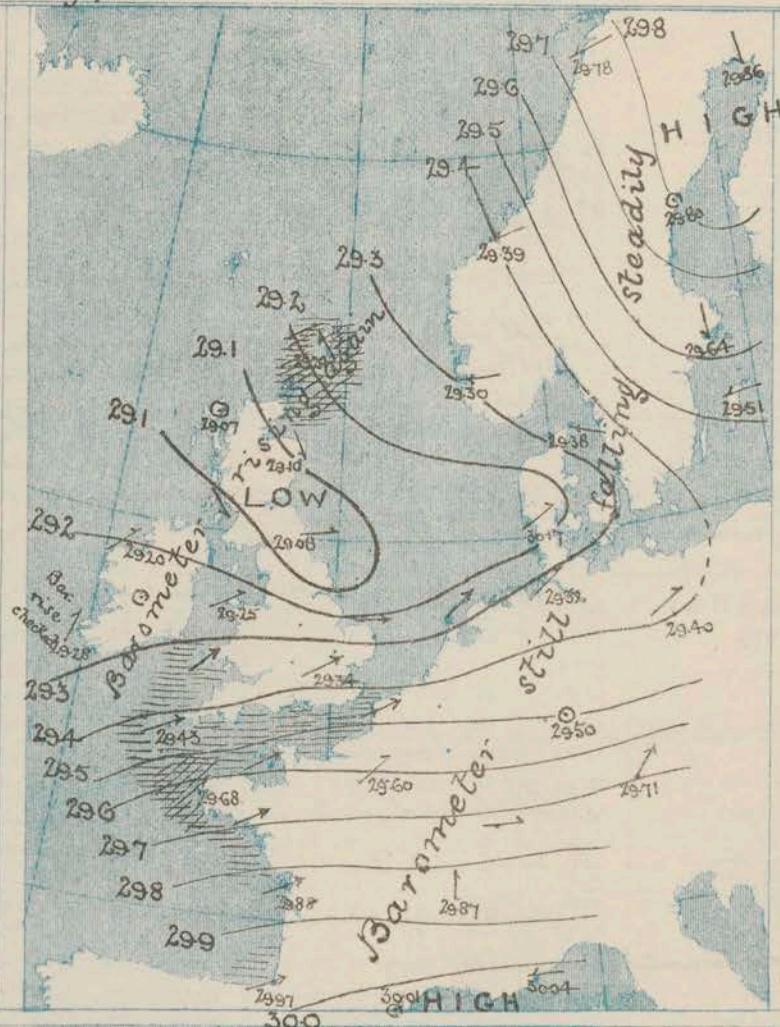
Sea Disturbance — where considerable, is shown thus.

▨ = Rough ▨ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	<i>in.</i>
Samburgh Head	29.751
Stornoway	29.779
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.862
Shields	29.896
York	29.925
Loughborough	29.948
Ardrossan	29.976
Donaghadee	29.992
Holyhead	29.919
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.966
Dover	29.955
LONDON	29.967
Oxford	29.966
Cambridge	29.957
Yarmouth	29.938



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

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

Weather is shown by Letters of the Beaufort Scale.

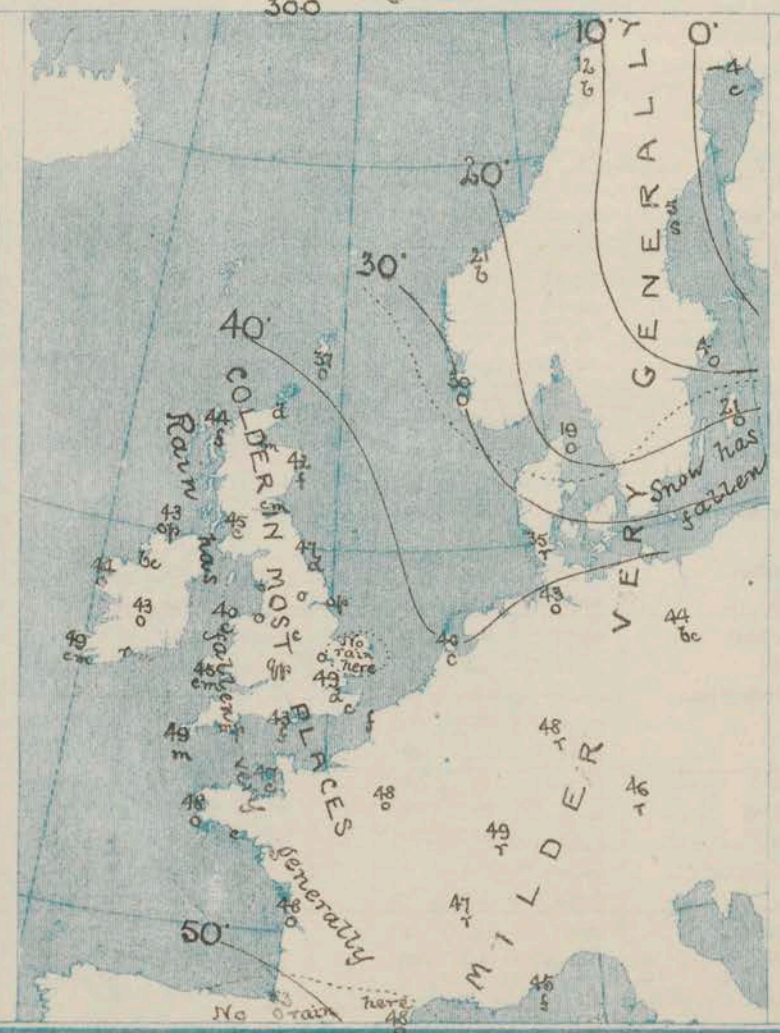
Rainfall A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of March.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
Samburgh Head	42.0	34.0	38.5	37.1	2.92
Stornoway	44.9	34.4	39.2	38.0	3.87
Wick	44.7	33.0	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	36.3	1.72
Aberdeen	45.4	34.7	38.9	36.8	2.24
Leith	48.2	34.6	39.7	37.9	1.36
Shields	45.9	35.4	39.6	38.0	1.60
York	48.9	33.7	38.6	37.1	1.63
Loughborough	49.8	34.3	39.5	37.7	1.47
Ardrossan	46.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.0	39.7	1.99
Holyhead	47.6	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	39.5	42.6	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.9	40.5	44.7	42.7	2.32
Hurst Castle	48.3	37.7	41.6	40.7	1.80
Dover	46.9	37.8	41.6	39.9	1.86
LONDON	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	33.3	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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 southern parts of the Iberian Peninsula; 29.8 ins. and upwards over the Gulf of Bothnia and the North of Sweden.
Lowest 29.1 ins. and less in an elongated depression lying over Scotland, and the northeast of England. ^{Other localities}
Gradients steep over the Channel and North of France, but slight elsewhere. Barometer rising in West and North, but falling in most.

TEMPERATURE

Highest 53° at Lisbon, 53° at Biarritz, 49° at Valencia, Seilly, London and Lorient, and 48° at Roches Pt. Har. mouth, Brest, Rochefort & Bepizian.
Lowest -4° at Naparanda, +4° at Stockholm, 5° at Helsingfors, 12° at Bodø, 16° at Trondheim, 19° at Skagen, and 21° at Wisby and Christianund.

WIND

Light and variable over the greater part of Scotland, moderate to strong from E. in Norway.
SW or W. elsewhere; strong to a gale in force over the Channel and Bay of Biscay.
Fresh to strong SW. gales were experienced yesterday on many parts of our western and southern coasts.

WEATHER

Cloudy or overcast in most places, with showers in many parts of our Islands and steady rain in South Germany and the East of France.
Fog or mist is general over Scotland and also on our South and Southwest coasts.
Rain again fell generally yesterday, but the amounts were in most cases small.

SEA

High at Lumburgh Head, and rough on our southwest, South and extreme northern coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometric rise at Valencia has slackened considerably since 10 pm, and the winds on our extreme western coasts are all backing to the SW. ^{W.S.}

Another depression is therefore in all probability advancing from the Atlantic, and unsettled weather is likely to continue generally.

FORECASTS

for the 24 hours ending at NOON on 11th March 1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	Variable or SE. breezes; changeable, some rain. Mist or fog locally.
1	SCOTLAND EAST	-----D-----D-----D-----
2	ENGLAND N.E.	N. and SW. winds, fresh or strong, squally, some showers.
3	ENGLAND EAST	-----D-----D-----D-----
4	MIDLAND COUNTIES	-----D-----D-----D-----
5	ENGLAND SOUTH	N. to SW. winds, strong, a gale on coast, squally, some showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NW. to SW. winds, fresh; unsettled, some rain.
7	ENGLAND N.W.	SW. winds, increasing in force; cloudy, 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 has been lowered this morning in districts 0 to 2 and 6, but is 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 ...	29.22	34	32	E	6	S	4	Holyhead ...	29.08	48	47	SSW	8	omg	7
Sumburgh Head ...	28.97	41	41	SE	4	m	7	Valencia ...	29.09	50	48	SW	8	ompg	7
Stornoway ...	28.80	47	47	S	3	o	3	Scilly ...	29.40	53	51	SW	7	om	6
Aberdeen ...	28.93	50	48	SW	4	o	5	Dungeness ...	29.50	44	44	WSW	5	r	5
Shields ...	29.07	54	50	SSW	5	c	2	London ...	29.43	53	51	SW	5	oqr	*
Ardrossan ...	28.90	46	46	S	4	r	4	Yarmouth ...	29.36	53	50	SW	5	cq	4
Malin Head ...	28.79	49	48	SSW	3	of	2	Jersey ...	29.60	48	48	WSW	5	r	4
Mullaghmore ...	28.71	51	49	S	6	om	4	Rochefort ...	30.03	51	48	SSW	7	o	3
Belmullet ...	28.73	49	49	SW	6	o	*								

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

The reports for yesterday morning showed that pressure was still highest (30.1 ins to 30.4 ins) over the Mediterranean and Southern Europe and lowest over the British Isles and their neighbourhood, while the "ridge" which extended northwards over Scandinavia on the previous day had moved eastward to the Gulf of Bothnia and east of Lapland. The SW^{ly} winds over the United Kingdom and France had consequently increased to a gale in many places and spread much more over Europe, accompanied by an increase of temperature, and equally showery weather, but N^{ly} and NW^{ly} breezes were felt in Finland and some parts of Russia with snow in places. Over Southern Europe the weather was fine and quiet. Temperature remained very low over Finland and the northern parts of Sweden and Russia, and had fallen several degrees over SW^{ly} Russia while it had risen everywhere else. The frost had disappeared from Switzerland and the inland parts of Southern France, but still held over the east of Germany, Poland, Russia, and the whole of Scandinavia. The lowest 8 a.m. readings were -11° F. at Haparanda, -5° at Haparanda and Uleaborg, -6° at St. Petersburg, -4° at Moscow, Helsinki and Hango, -1° at Kiev, +9° at Memel, 13° at Riga, 17° at Minsk, 18° at Nicolaieff, 19° at Warsaw, 24° at Odessa, and 33° at Perpignan. The highest were 64° at Bilbao, 60° at Corunna, 58° at Biarritz, 56° at Algiers, 52° at Valencia and Cambridge, 51° at Leith and York, and 50° in London, as well as at several other British stations and at Brussels; at Paris it had risen to 49° and at Bern and Munich to 43°. Over the Mediterranean, however, there had been little change, the readings being 55° at Barcelona, 52° at Malta, 51° at Palermo, 50° at Cagliari, 49° at Livorno, 48° at Brindisi and Anagnino and 41° at Nice.

Later on pressure recovered somewhat in the west the wind in our Islands lulled and veered, but the weather remained mild dull and showery.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Sunday 11th March

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.		Sun. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Max.	Min.			
SCANDINAVIA.	Haparanda ..	29.97	5	NE	2	b	30.00	+ .14	-9	-9	- 5	N	2	b	*	9	?	-	
	Hernösand ...	29.95	4	NE	4	c	29.99	+ .19	-3	-3	- 8	NE	2	b	*	14	?	-	
	Stockholm ...	29.77	5	N	4	o	29.85	+ .21	-1	-1	- 5	N	2	b	*	36	?	-	
	Wisby ...	29.68	16	ENE	4	m	29.78	+ .27	15	14	- 6	ENE	2	c	*	32	7	-	
	Bodö ...	29.87	11	ENE	5	b	29.93	+ .15	9	5	- 3	ENE	5	b	2	16	7	-	
	Christiansund...	29.57	24	E	3	b	29.60	+ .24	22	20	+ 1	ESE	5	c	3	27	18	-	
	Skudesnaes ...	29.74	29	ESE	4	o	29.67	+ .37	25	22	- 5	SE	4	bc	1	33	?	-	
	Christiania Fjord (Färder)	29.75	17	NE	5	o	29.87	+ .32	9	8	- 7	NE	6	b	2	16	5	-	
	Skagen (The Scaw)	29.67	13	E	6	o	29.74	+ .36	11	10	- 8	E	5	c	4	19	10	-	
	Fanö ...	29.31	27	E	8	o	29.57	+ .40	25	24	- 10	E	6	o	*	37	25	0.12	
BRITISH ISLANDS.	Sumburgh Head	29.45	37	SE	3	o	29.50	+ .26	35	33	- 2	SSE	4	o	5	38	33	0.01	
	Stornoway ...	29.21	46	SE	2	o	29.21	+ .14	40	40	- 4	SE	5	bc	4	48	38	0.04	
	Wick ...	29.38	38	ESE	6	o	29.36	+ .24	37	36	- 6	ESE	7	o	8	45	35	0.07	
	Nairn ...	29.38	42	E	1	o	29.25	+ .21	39	37	- 2	ENE	2	c	2	47	36	0.08	
	Aberdeen...	29.36	38	ESE	4	r	29.32	+ .22	35	35	- 7	SE	6	og	6	43	35	0.54	
	Leith ...	29.29	46	WSW	1	c	29.19	+ .11	39	39	- 6	E	3	om	*	54	37	0.01	
	Shields ...	29.30	48	W	2	bc	29.15	+ .14	39	39	- 8	ESE	6	om	5	58	38	0.03	
	Spurn Head ...	29.34	43	WNW	3	bc	29.09	- .02	40	39	- 5	ESE	5	ow	5	47	40	-	
	York ...	29.26	40	W	2	b	29.07	- .09	41	40	- 5	ESE	3	r	*	33	37	0.04	
	Loughborough	29.40	50	W	1	c	28.99	- .25	44	43	- 3	ESE	4	og	*	54	43	0.26	
GERMANY.	Ardrossan ...	29.30	45	S	2	bc	29.08	- .05	42	41	- 3	ENE	4	om	3	49	37	-	
	Malin Head ...	29.27	44	ESE	3	o	29.11	- .08	44	40	- 2	ENE	4	omr	3	47	41	0.50	
	Mullaghmore ...	29.27	46	WSW	4	op	29.06	+ .14	41	40	- 2	N	5	or	4	52	40	0.28	
	Belinullet ...	29.22	46	W	3	m	29.14	- .08	42	40	- 2	WNW	5	r	*	50	47	0.07	
	Donaghadee ...	29.31	48	SSW	2	bc	29.00	- .19	43	41	- 1	ESE	6	o	4	49	42	0.19	
	Barrow-in-Furness	29.35	43	WSW	3	o	28.94	- .24	43	41	0	ENE	5	rw	*	45	42	0.07	
	Liverpool (Bidston)	29.38	46	W	1	o	28.89	- .34	44	42	- 1	E	6	r	4	49	43	0.21	
	Holyhead ...	29.36	43	SSW	3	f	28.82	- .43	42	42	- 2	ENE	7	rmg	6	49	42	0.25	
	Parsonstown ...	29.33	48	WSW	1	c	29.01	- .26	39	38	- 4	WNW	4	r	*	56	38	0.68	
	Valencia ...	29.37	48	SW	2	om	29.23	- .05	44	39	- 5	WNW	6	cg	6	54	38	0.67	
FRANCE & NETHERLANDS.	Roche's Point...	29.37	50	WSW	2	c	28.98	- .30	40	40	- 8	WNW	8	r	5	53	39	1.05	
	Pembroke ...	29.42	45	SSW	4	c	28.57	- .77	44	43	- 1	WNW	2	f	6	47	42	0.32	
	Scilly ...	29.52	49	WSW	5	om	29.02	- .41	45	43	- 4	WNW	10	ogw	7	54	37	0.44	
	Prawle Point ...	29.54	46	WSW	6	o	28.85	- .57	44	42	- 1	SSW	9	ow	8	49	38	0.20	
	Jersey ...	29.64	49	WSW	6	om	29.21	- .36	48	44	+ 1	WSW	7	bcw	5	52	45	0.42	
	Hurst Castle ...	29.50	43	WSW	6	m	29.02	- .42	44	43	+ 1	SW	8	om	6	47	42	0.51	
	Dungeness ...	29.46	43	WSW	5	o	29.12	- .24	43	42	+ 1	S	5	r	5	45	40	0.22	
	London ...	29.45	51	SW	2	o	29.03	- .31	47	46	- 2	S	6	ogw	*	56	45	0.27	
	Oxford ...	29.47	47	SW	2	o	28.95	- .29	47	45	0	S	3	ogw	*	53	45	0.37	
	Cambridge ...	29.44	51	SW	1	o	28.99	- .29	45	45	- 2	SE	3	r	*	56	41	0.26	
PENIN- SULA.	Yarmouth ...	29.36	50	WNW	3	bc	29.18	- .03	41	40	- 7	SE	4	org	4	54	38	0.32	
	Cuxhaven ...	29.26	32	SW	4	r	29.52	+ .20	32	31	- 11	E	4	c	*	44	30	0.12	
	Berlin ...	?	?	?	?	?	?	?	40	39	- 4	?	4	r	*	50	39	0.59	
	Wiesbaden ...	*	*	*	*	*	29.56	+ .06	46	44	- 2	SW	1	c	*	52	41	0.28	
	Munich ...	29.73	42	W	4	c	29.68	- .03	42	41	- 4	SW	5	o	*	48	39	0.12	
	The Helder ...	29.36	39	W	3	c	29.42	+ .21	36	36	- 4	ENE	1	f	2	43	36	0.08	
	Brussels ...	*	*	*	*	*	29.37	- .05	47	46	- 2	S	3	r	*	52	45	0.04	
	Cape Gris Nez...	29.49	47	WSW	7	r	29.25	- .14	46	46	+ 4	S	7	r	5	46	41	0.16	
	Paris ...	29.67	52	SW	3	o	29.43	- .17	48	47	0	S	7	o	*	56	47	0.35	
	Brest ...	29.69	48	SW	5	f	29.33	- .35	48	44	0	WNW	9	o	7	50	46	0.29	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Sunday, 11th March

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.

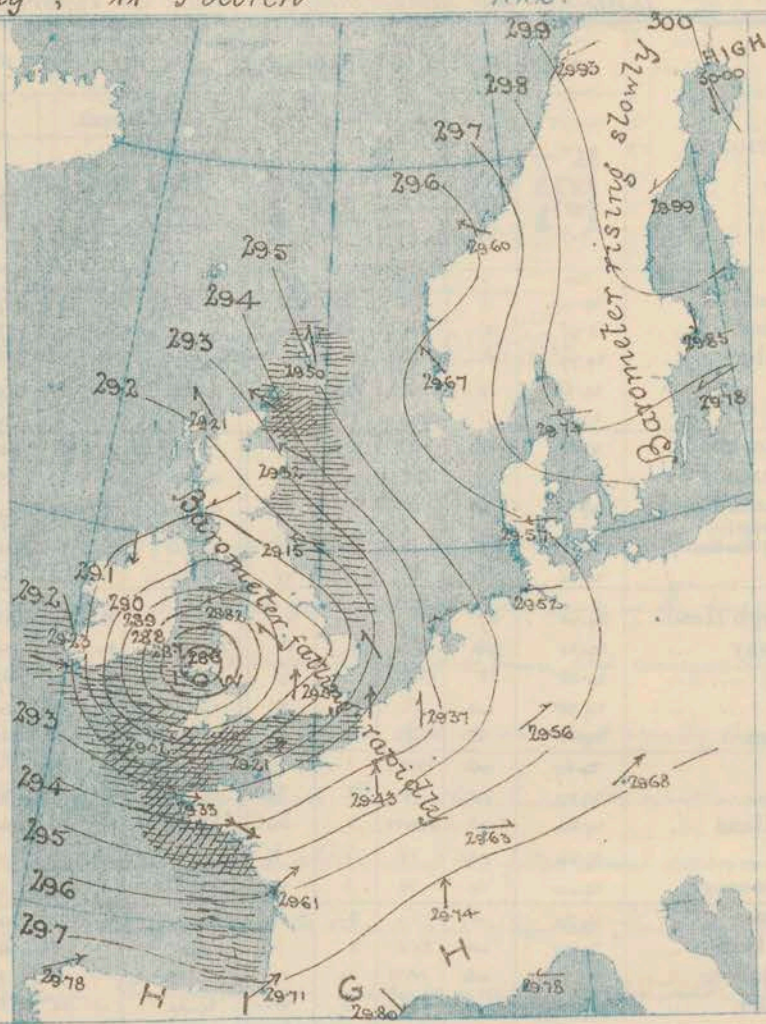
Sea Disturbance — where considerable is shown thus.

▨ = Rough. ▨ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head.	29.751
Stornoway.	29.779
Wick.	29.797
Nairn.	29.815
Aberdeen.	29.830
Leith.	29.862
Shields.	29.896
York.	29.925
Loughborough.	29.948
Ardrossan.	29.876
Donaghadee.	29.892
Holyhead.	29.919
Liverpool.	29.925
Parsonstown.	29.940
Valencia.	29.938
Roche's Point.	29.941
Pembroke.	29.944
Scilly.	29.966
Jersey.	29.971
Hurst Castle.	29.966
Dover.	29.955
LONDON.	29.967
Oxford.	29.966
Cambridge.	29.957
Yarmouth.	29.938



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

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

Weather is shown by Letters of the Beaufort Scale.

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

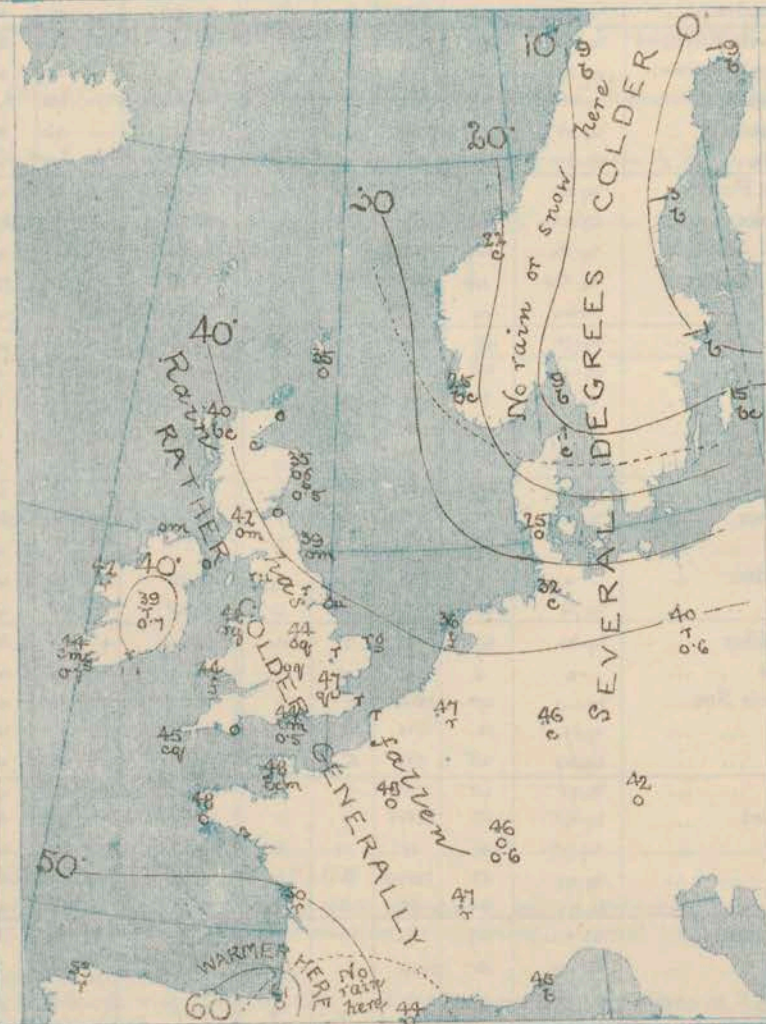
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

For the month of March.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet.	
Sumburgh Head	42.6	34.0	38.5	37.1	2.92
Stornoway	44.9	34.4	39.2	38.0	3.87
Wick	44.7	33.9	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	36.3	1.72
Aberdeen	45.4	34.7	38.9	36.8	2.24
Leith	48.2	34.6	39.7	37.9	1.36
Shields	45.9	35.4	39.6	38.0	1.60
York	48.9	33.7	38.6	37.1	1.63
Loughborough	49.8	34.3	39.5	37.7	1.47
Ardrossan	46.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.0	39.7	1.99
Holyhead	47.6	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	39.5	42.0	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.9	40.5	44.7	42.7	2.32
Hurst Castle	48.3	37.7	41.6	40.7	1.80
Dover	46.9	37.8	41.6	39.9	1.86
LONDON	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	33.3	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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 the south of Spain; high 30.0 ins: and upwards over the extreme north of Sweden. Lowest, 28.6 ins: and less, in a deep depression the centre of which is lying close to Pembroke. Gradients steep over England, Ireland, and the north of France, but moderate elsewhere. <i>Barometer falling at all but the Scandinavian Danish and Swedish stations.</i>
TEMPERATURE	Highest, 61° at Biarritz, 57° at Lisbon, 53° at Genoa, 50° at Rochefort, and 48° at Jersey, Brest, and Paris. Lowest, -9° at Haparanda, -3° at Helsingfors, -1° at Stockholm, +3° at Rode and Laerdal, 11° at Elbogen, and 15° at Vindby.
WIND	Strong from E. or S.E. over the North Sea, and the north and East of our Islands. Strong from N. or N.W. over Ireland. W. gales over the Bay of Biscay and mouth of the Channel. Strong from the S.W. over the east of France and the south-east of England.
WEATHER	Fine in Scandinavia, but cloudy or overcast elsewhere, with rain in Ireland, Scotland and the west of Spain. In the course of the past 24 hours heavy rain has fallen in many parts of our Islands, the largest amounts being 1.1 ins: at Rockport, 0.7 ins: at Larne, and 0.5 ins: at Aberdeen. Malin Head and St. Peter's Head.
SEA	Very high at Wick, high at the mouth of the Channel, and rough or rather so on nearly all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past night a deep depression has appeared over our southern coasts, and the barometer is now falling quickly in most parts of our Islands. The wind is increasing on all coasts - from S.E. or E. in the north, and from S.W. or W. in the south and south-east.

FORECASTS

for the 24 hours ending at NOON on 12th March 1888.

DISTRICTS.

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

FORECASTS.

None issued

DISTRICTS.

- 16 SCOTLAND WEST
- 17 ENGLAND N.W.
- 18 ENGLAND S.W.
- 19 IRELAND NORTH
- 20 IRELAND SOUTH

WARNINGS

FORECASTS.

None issued

The N. cone has been hoisted this morning in districts 3, 6, 7, 9 and part of 8, and the S. cone in district 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 ...	29.44	33	28	E 6	c	4	Holyhead ...	29.30	40	45	SW 2	o	2
Sumburgh Head ...	29.38	37	30	SE 4	o	6	Valencia ...	29.38	52	50	WSW 5	cm	5
Stornoway ...	29.17	47	47	SE 2	o	2	Scilly ...	29.49	52	50	WSW 6	cm	6
Aberdeen ...	29.26	41	40	ESE 4	rf	4	Dungeness ...	29.42	44	43	SW 5	o	5
Shields ...	29.22	54	50	N 2	c	2	London ...	29.40	55	52	WSW 4	cp	*
Ardrossan ...	29.23	48	46	N 2	c	2	Yarmouth ...	29.29	54	47	WNW 5	bg	3
Malin Head ...	29.27	46	45	N 2	c	2	Jersey ...	29.61	52	49	SW 6	c	5
Mullaghmore ...	29.24	50	47	WSW 1	ov	2	Rochefort ...	29.95	52	50	WSW 8	c	3
Belmullet ...	29.24	50	49	SSW 2	bc	1							

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 over Algeria and lowest 29.1 ins. and less, in a shallow elongated depression lying over Scotland and the northeast of England. From the latter region a trough of low readings with two or three distinct minima, extended eastwards as far as Western Russia while to the northward of this trough pressure again increased steadily. Moderate breezes from the NE^W or N^W prevailed over the whole of Northern Russia, but elsewhere the wind varied between W. and SW, and over France and the south of England it blew with the force of a moderate to fresh gale. The weather was cloudy or overcast at all but the Algerian stations with passing showers in many parts of our Islands, steady rain in South Germany and the east of France, and snow at some of the Danish and Russian stations. Temperature had fallen a little over the United Kingdom as well as in the Netherlands and north of France, but risen elsewhere; readings ranged from 60° and upwards at some of the Spanish stations and 50° and upwards over Southern Europe generally to a few degrees below zero over Central and Northern Russia. The highest individual readings were 64° at Barcelona, 62° at Bilbao, 60° at Biskra, 58° at Cuzuma, 56° at Oporto, 55° at Lisbon, 54° at La Jolla and 53° at San Fernando; the lowest were -13° at St. Petersburg, -10° at Archangel, -7° at Moscow, 6° at Helmsfors, -4° at Naparanda, -2° at Kustro, and +1° at Uleaborg.

In the course of the day the depression over the north of our Islands filled up and the winds on our south coasts therefore moderated. Late at night, however, a new and much deeper disturbance appeared over our southwest coast and the barometer fell rapidly in the west and south generally with heavy rain in many places.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Monday 12th March.

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 2.)	Shade Temp.	Max.	Min.	Amount of Rainfall.
			Dirac.	Force. (0 to 12.)			Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dirac.	Force. (0 to 12.)						
SCANDINAVIA.	Haparanda ..	50.00	-7	N	2	b	30.02	+ .02	-13	-13	-	2	0	bc	*	7	2	-	
	Hernösand ...	29.95	15	NE	4	S	29.94	- .05	3	3	+	6	NE	2	c	*	19	-8	-
	Stockholm ...	29.87	14	N	2	o	29.79	- .06	6	5	+	7	ENE	2	s	*	2	-4	-
	Wisby ...	29.74	15	E	4	S	29.70	- .08	13	13	-	2	E	4	s	*	21	9	-
	Bodö ...	29.84	14	ENE	4	b	29.76	- .17	12	12	+	4	ENE	4	b	2	14	9	-
	Christiansund...	29.62	12	ESE	2	b	29.54	- .06	24	23	+	2	ESE	2	s	2	27	18	-
	Skudesnaes ...	29.62	22	E	2	b	29.63	- .04	20	17	-	5	E	4	bc	3	24	21	-
	Christiania Fjord (Fjærd)	29.77	14	NE	7	b	29.79	- .08	6	5	-	3	NE	6	b	0	14	3	-
	Skagen (The Seaw)	29.67	13	NE	6	bc	29.65	- .09	7	6	-	4	NE	6	bc	0	16	7	-
	Fanö ...	29.83	23	E	8	o	29.28	- .29	22	22	-	3	ENE	8	o	*	25	21	-
BRITISH ISLANDS.	Sumburgh Head	29.52	33	SSE	4	o	29.61	+ .11	31	29	-	4	2	o	osp	2	38	29	0.03
	Stornoway ...	29.28	38	SE	6	o	29.52	+ .31	34	34	-	6	E	5	c	4	41	31	-
	Wick ...	29.37	34	SE	7	o	29.60	+ .24	33	32	-	4	ESE	3	o	5	37	30	0.03
	Nairn ...	29.30	34	E	4	o	29.32	+ .27	30	29	-	9	E	2	s	2	39	29	0.01
	Aberdeen...	29.31	33	SE	7	oq	29.52	+ .20	31	30	-	4	E	6	osp	7	38	23	0.17
	Leith ...	29.19	38	E	4	S	29.43	+ .24	30	30	-	9	ENE	5	sm	*	39	29	0.10
	Shields ...	29.03	35	E	7	r	29.31	+ .16	32	32	-	7	NE	3	rs	8	39	30	0.20
	Spurn Head ...	28.78	39	NE	7	o	29.19	+ .10	33	32	-	7	NE	5	s	6	40	32	0.43
	York ...	28.76	37	E	4	r	29.27	+ .20	31	31	-	10	N	1	s	*	42	30	0.54
	Loughborough	28.82	43	NW	2	r	29.25	+ .26	33	33	-	11	NW	1	s	*	47	33	0.27
GERMANY.	Ardrossan ...	29.11	37	NE	8	ang	29.43	+ .35	32	31	-	10	NE	5	os	3	42	31	-
	Malin Head ...	29.14	39	ENE	4	om	29.41	+ .30	35	33	-	6	E	4	osp	4	42	34	0.32
	Mullaghmore ...	29.16	39	NW	6	r	29.34	+ .28	35	34	-	6	ESE	5	cp	4	41	34	1.42
	Belmullet ...	29.8	43	NW	5	o	29.31	+ .17	38	36	-	4	E	3	c	*	43	36	0.04
	Donaghadee ...	29.07	40	ESE	6	r	29.38	+ .28	36	34	-	7	E	5	o	4	43	35	0.60
	Barrow-in-Furness	28.93	38	NNW	5	o	29.31	+ .37	32	32	-	11	N	2	s	*	43	31	0.63
	Liverpool (Bidston)	28.94	39	NE	2	o	29.32	+ .43	32	31	-	12	N	2	s	3	44	31	0.34
	Holyhead ...	28.99	38	N	4	rm	29.32	+ .50	35	34	-	7	NE	4	msp	4	43	34	0.33
	Parsonstown ...	29.19	42	2	o	o	29.30	+ .32	35	34	-	4	2	o	c	*	43	34	0.57
	Valencia ...	29.20	43	W	5	bc	29.34	+ .11	40	38	-	4	E	1	bc	2	50	36	0.12
FRANCE & NETHERLANDS.	Roche's Point...	29.28	43	NNW	6	bc	29.33	+ .35	39	37	-	1	W	1	b	4	48	35	0.06
	Pembroke ...	29.15	44	NNW	7	bc	29.32	+ .75	42	40	-	2	NNW	4	bc	5	44	39	0.10
	Scilly ...	29.37	47	NNW	9	cp	29.36	+ .34	45	43	-	0	W	5	c	6	48	42	0.02
	Prawle Point ...																		
	Jersey ...	29.38	47	W	8	b													
	Hurst Castle ...	29.08	43	W	10	cp	29.33	+ .31	40	39	-	4	W	6	bc	6	45	38	0.13
	Dungeness ...	28.80	42	W	9	rp	29.21	+ .09	39	38	-	4	W	7	c	6	46	39	0.20
	London ...	28.88	41	WSW	7	rp	29.24	+ .21	38	37	-	9	NNW	3	or	*	45	38	0.09
	Oxford ...	29.03	41	W	9	o	29.27	+ .32	37	36	-	10	W	3	op	*	47	37	0.27
	Cambridge ...	28.82	43	W	2	r	29.24	+ .25	36	36	-	9	NNW	2	s	*	48	34	0.65
PENIN. ISLA.	Yarmouth ...	28.76	40	S	4	ogd	29.12	- .06	33	33	-	8	NNW	4	s	6	42	31	0.67
	Cuxhaven ...	29.33	28	ESE	8	S	29.19	- .33	24	23	-	8	ESE	7	s	*	22	22	?
	Berlin ...	29.33	27	NE	4	S	29.26	-	27	27	-	13	SE	2	s	*	45	25	0.28
	Wiesbaden ...	*	*	*	*	*	29.32	- .24	40	39	-	6	SW	4	c	*	48	39	0.63
	Munich ...	29.39	40	W	3	r	29.30	- .18	38	35	-	4	W	5	b	*	52	36	0.28
	The Helder ...	28.96	40	S	4	r	28.85	- .57	36	36	-	0	NNE	3	f	3	41	36	0.75
	Brussels ...	*	*	*	*	*	29.13	- .24	40	39	-	7	WSW	7	r	*	53	39	0.39
	Cape Gris Nez...	28.93	41	WSW	11	r	29.19	- .06	40	38	-	6	NW	9	c	7	50	39	0.35
	Paris ...	29.38	48	W	7	c	29.48	+ .05	40	38	-	8	WSW	3	b	*	59	40	0.04
	Brest ...	29.57	47	NNW	9	o	29.54	+ .21	46	43	-	2	NNW	7	o	7	52	36	-
GERMANY.	Lorient ...	29.57	46	N	8	b	29.56	+ .18	45	43	-	2	W	5	b	5	50	43	0.04
	Rochefort ...	29.74	48	NNW	8	bc	29.73	+ .12	45	42	-	5	W	8	c	3	52	41	0.20
	Belfort ...	29.55	47	W	5	r	29.57	- .06	41	40	-	5	W	3	o	*	51	36	0.32
	Lyons ...	29.59	50	NW	1	r	29.73	- .01	37	34	-	10	SSW	1	b	*	52	34	0.20
	Nice ...	29.64	53	SW	3	r	29.81	+ .03	51	49	+	6	WSW	1	b	2	63	45	-
	Perpignan ...	29.71	57	W	4	o	29.80	- .00	47	42	+	3	W	3	b	*	62	44	-
	Biarritz ...	29.83	52	W	7	r	29.83	+ .12	50	46	-	11	WSW	8	r	5	64	45	0.12
	Corunna ...	*	*	*	*	*													
	Lisbon ...																		

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Monday, 12th March

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.

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

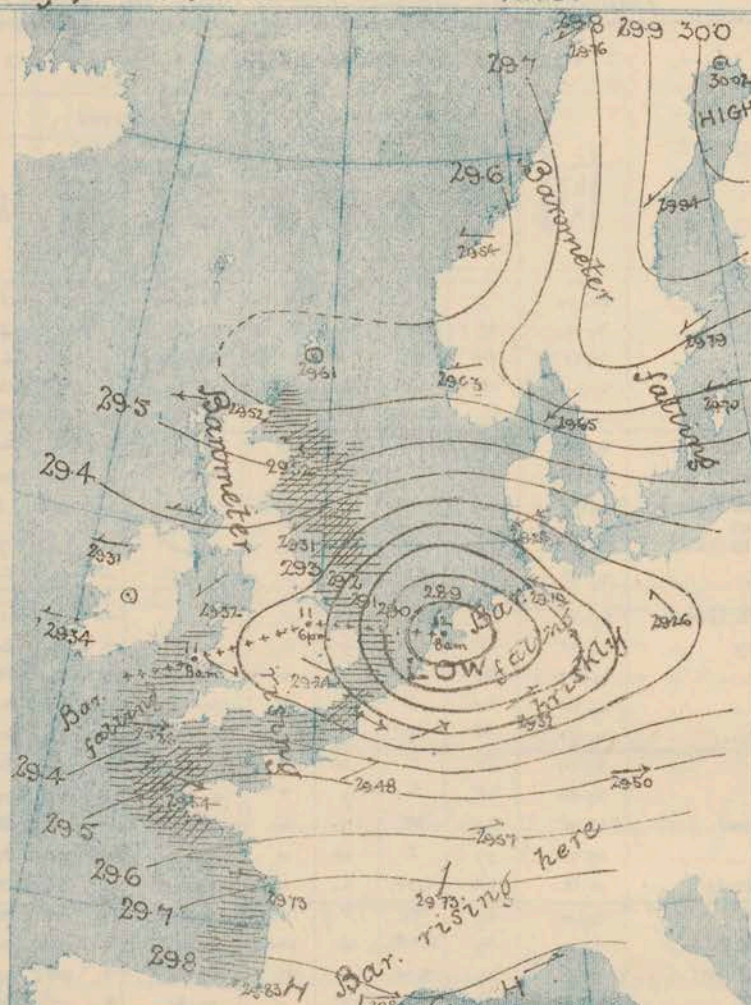
Sea Disturbance — where considerable is shown thus.

▨ = Rough ▨ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.770
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.862
Shields	29.896
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.919
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.966
Dover	29.955
LONDON	29.967
Oxford	29.966
Cambridge	29.957
Yarmouth	29.938



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

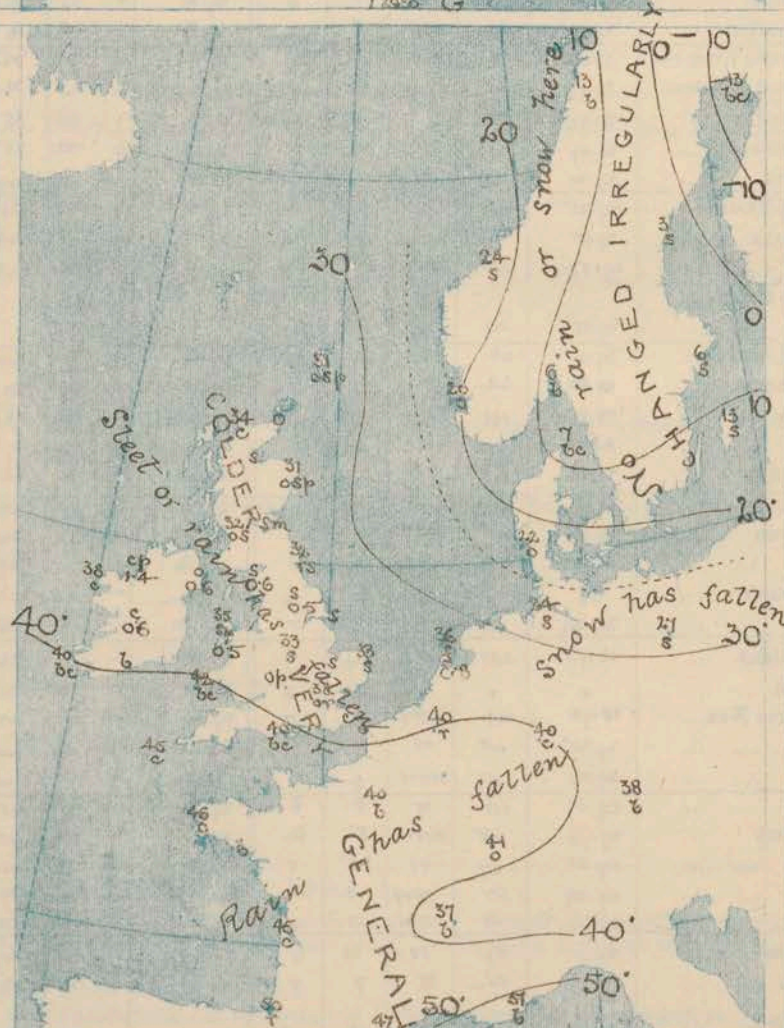
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max	Daily Min	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	42.6	34.0	38.5	37.1	2.92
Stornoway	44.9	34.4	39.2	38.0	3.87
Wick	44.7	35.9	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	36.3	1.72
Aberdeen	45.4	34.7	38.9	36.8	2.24
Leith	48.2	34.6	39.7	37.9	1.36
Shields	45.9	35.4	39.6	38.0	1.60
York	48.9	33.7	38.6	37.1	1.63
Loughborough	49.8	34.3	39.5	37.7	1.47
Ardrossan	46.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.0	39.7	1.99
Holyhead	47.6	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	39.5	42.6	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.9	40.5	44.7	42.7	2.32
Hurst Castle.	48.3	37.7	41.6	40.7	1.80
Dover	46.9	37.8	41.6	39.9	1.86
LONDON	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	33.3	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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 29.8 in. to 30.0 in. over the northeastern parts of Scandinavia, 29.8 in. and more over the southwest of France (Spanish reports not yet received).
Lowest 28.9 in. and less in a deep depression lying over Holland, 29.3 in. and less over the Atlantic, near Valencia.
Gradients steep round the depression in the southeast, moderate or slight elsewhere.
Barometer falling to eastward of North Sea, rising in our Islands, but falling again at Shilly.

TEMPERATURE

Highest 51° at Nice, 50° at Biarritz, 47° at Perpignan, 45° at Shilly, 44° at Brest, 40° at Valencia, Hurst Castle and Paris.
Lowest -13° at Haparanda, +6° at Stockholm, 7° at the Lizard, 27° at Berlin, 30 to 33° in Scotland, North & East of England, 33° in London.

It has fallen very generally since yesterday.

WIND

Fresh E. at all our northern stations, strong to a gale from E and NE over the North Sea.
W. over the Channel, North of France and Bay of Biscay, - strong to a gale in force.
Very light and variable over the South of Ireland, light W. in the South of France.
Several SW and W. gales were felt on the South yesterday, fresh E. gales in the North.

WEATHER

Fine at present at the southwestern stations, and in several parts of France.
Cloudy and unsettled elsewhere. Snow is falling very generally in the northwest, North and East, - Rain in Brussels, slight rain in London.
Heavy rain has fallen at Mullaghmore, and a good deal on our northwest coasts.

SEA

High on our northeast coasts - very rough in the Channel and Bay of Biscay. Moderate in Irish Sea, - smooth at Valencia.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The present distribution of pressure is complex and of a very unsettled type; fresh disturbances are likely to appear before long, but an error in the report from Valencia makes to day's forecasts doubtful.

FORECASTS

For the 24 hours ending at NOON on 13th March 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	E ^{ly} and S ^{ly} breezes, force uncertain; cold rain or sleet showers.	6 SCOTLAND WEST	NE ^{ly} to SE ^{ly} or S ^{ly} winds; fair to unsettled and showery.
1 SCOTLAND EAST	E ^{ly} winds, strong, perhaps a gale; sleet showers.	7 ENGLAND N. W.	-----D-----D-----D-----
2 ENGLAND N. E.	-----D-----D-----D-----	8 ENGLAND S. W.	SW ^{ly} to S ^{ly} winds, force doubtful at present; fair to showery and unsettled.
3 ENGLAND EAST	Same as N° 5.	9 IRELAND NORTH	S ^{ly} winds, increasing in force; unsettled, squally and showery.
4 MIDLAND COUNTIES	Same as N° 5.	10 IRELAND SOUTH	-----D-----D-----D-----
5 ENGLAND SOUTH	Wind varying greatly, probably S ^{ly} at last; cloudy, with cold showers; becoming milder again later.	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 ...	29.65	29	24	SE	4	6	Holyhead ...	28.84	42	41	NE	6	0	6
Sumburgh Head ...							Valencia ...							
Stornoway ...	29.25	40	39	SE	5	0	Scilly ...							
Aberdeen ...							Dungeness ...							
Shields ...							London ...							
Ardrossan ...							Yarmouth ...							*
Malin Head ...	29.10	41	40	ENE	4	0	Jersey ...	29.30	49	44	W	8	6	6
Mullaghmore ...							Rochefort ...	29.67	50	48	W	8	0	3
Belmullet ...	29.17	43	38	NW	5	0								

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

Continental information not yet received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 4TH TO THE 10TH MARCH 1888.

The weather of the past week has gradually fallen into a very unsettled state, especially over the more western and northern parts of our Islands, and during the latter half of the period some substantial amounts of rain have been experienced. Temperature was at first rather low, but it afterwards rose considerably, and reached a high level for the time of year.

At the commencement of the time an anticyclonic system was lying over Ireland, and another over the West of France, while a large area of low readings existed over Scandinavia and Denmark. NW. or N. winds were consequently experienced over our Islands with cold showers in many districts.

On the night of the 4th however, the two high pressure systems united, while the low pressure area moved away in a S.E. by direction. A little later the anticyclone settled down over France, the wind backed to the W. generally, and depressions began to arrive off our northwest and North coasts.

The first of these skirted the Scotch coast on the night of the 5th and subsequently travelled away to Norway. Its passage was marked by a considerable increase of wind from the W. in the extreme North, but no gales were reported. On the 7th other shallow disturbances appeared respectively over the Baltic North of Scotland, but these subsequently dispersed.

The second depression of note travelled quickly along our extreme West coast on the night of the 7th, and occasioned slight S. by S.W. gales in several parts of the Kingdom.

The third disturbance appeared off our extreme northwest coast on the morning of the 9th and subsequently spread eastward over our northern districts, occasioning fresh to strong gales from the S.W. in the West and South generally. On the 10th this system gradually filled up over Scotland and the northern part of England and Ireland, but late at night a new and very deep disturbance began to appear over the southwest of our Islands. The history of this system will, however, be dealt with in greater detail next week.

Although mild weather has gradually spread from our Islands to Central Europe, the temperature readings in the North have remained very low, the thermometer in Sweden being below zero even at the close of the period.

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 13th March

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 ..	29.95	-9	2	0	6	29.95	-0.07	-15	-15	-2	S	2	bc	*	3	?	-	
Hernösand ...	29.93	6	2	0	0	29.95	+0.01	8	8	+5	NE	2	0	*	16	1	-	
Stockholm ...	29.88	9	NNE	2	0	29.84	+0.05	10	9	+4	E	2	0	*	14	0	-	
Wisby ...	29.76	14	E	6	S	29.77	+0.07	13	11	0	E	4	6	*	23	9	-	
Bodö ...	29.72	13	ENE	4	6	29.69	-0.07	12	10	-1	ENE	4	S	2	18	12	-	
Christiansund...	29.57	24	ESE	2	C	29.68	+0.14	24	22	0	SW	1	C	3	28	21	0.04	
Skudesnaes ...	29.68	25	SSE	2	S	29.74	+0.11	21	20	+1	SSE	4	S	4	31	19	-	
Christiania Fjord (Fjorder)	29.75	13	NNE	5	0	29.80	+0.01	12	12	+6	NNE	4	0	0	13	?	-	
Skagen (The Scaw)	29.67	15	E	4	0	29.73	+0.08	15	15	+8	E	5	0	0	15	7	-	
Fanö ...	29.44	22	NE	7	S	29.61	+0.33	19	18	-3	NNE	6	6	*	25	16	0.04	
BRITISH ISLANDS.																		
Sumburgh Head	29.64	32	NNE	1	bc	29.67	+0.06	34	32	+3	ENE	1	bc	3	38	28	0.02	
Stornoway ...	29.65	35	E	5	bc	29.64	+0.12	34	34	0	SE	5	bc	4	39	30	-	
Wick ...	29.66	34	E	2	bc	29.68	+0.08	31	31	-2	W	1	C	3	40	28	0.20	
Nairn ...	29.64	32	E	1	C	29.68	+0.16	25	23	-5	W	0	6	1	35	21	-	
Aberdeen...	29.65	32	ENE	5	0	29.71	+0.19	25	25	-6	SW	1	6	3	25	24	-	
Leith ...	29.59	33	E	3	0	29.69	+0.26	32	32	+2	E	2	C	*	24	29	0.02	
Shields ...	29.55	32	E	4	0	29.69	+0.38	32	32	0	E	4	0	6	33	30	0.12	
Spurn Head ...	29.46	32	NE	5	0	29.66	+0.47	32	30	-1	ENE	4	0	5	33	32	0.01	
York ...	29.51	32	ENE	3	0	29.69	+0.42	30	29	-1	E	2	0	*	37	29	0.03	
Loughborough	29.46	32	NNE	3	0	29.67	+0.42	31	29	-2	ENE	3	0	*	37	30	0.03	
GERMANY.																		
Ardrossan ...	29.58	34	ENE	4	C	29.65	+0.22	33	33	+1	E	3	bc	2	35	30	-	
Malin Head ...	29.54	34	E	5	0	29.56	+0.15	30	30	-5	SE	5	bc	3	35	30	-	
Mullaghmore ...	29.45	37	E	5	C	29.47	+0.13	35	34	0	E	6	C	5	39	34	-	
Belmullet ...	29.39	46	E	5	6	29.42	+0.11	35	33	-3	E	4	0	*	42	34	-	
Donaghadee ...	29.51	35	E	5	C	29.60	+0.22	33	33	-3	E	5	0	3	36	33	0.01	
Barrow-in-Furness	29.49	33	NNE	3	0	29.64	+0.33	30	28	-2	ENE	5	0	*	35	28	0.02	
Liverpool (Bidston)	29.49	33	ENE	3	0	29.63	+0.31	30	29	-2	E	4	0	4	24	30	0.01	
Holyhead ...	29.47	35	ENE	3	C	29.55	+0.22	32	31	-3	E	3	C	3	38	32	0.01	
Parsonstown ...	29.41	39	E	2	C	29.41	+0.08	36	34	+1	ENE	3	0	*	42	34	-	
Valencia ...	29.29	46	ESE	6	0	29.19	+0.11	44	42	+4	E	4	C	4	49	39	0.08	
Roche's Point...	29.36	42	ESE	5	C	29.27	-0.06	43	42	+4	SE	6	p	4	47	38	0.50	
Pembroke ...	29.39	39	ENE	3	6	29.45	+0.13	34	34	-8	ESE	7	sq	5	44	34	0.02	
Scilly ...	29.36	47	W	4	0	29.41	+0.05	47	45	+2	SSW	5	cp	6	49	42	0.11	
Prawle Point ...	29.45	46	W	5	0	29.58	+0.14	42	42	-2	E	3	rm	3	49	41	0.27	
Jersey ...	29.45	46	W	5	0	29.58	+0.14	42	42	-2	E	3	rm	3	49	41	0.27	
Hurst Castle ...	29.38	42	W	3	C	29.61	+0.28	35	34	-5	E	4	C	4	46	33	-	
Dungeness ...	29.36	42	N	2	m	29.59	+0.38	34	33	-5	NNE	4	C	3	46	30	-	
London ...	29.41	37	N	3	0	29.64	+0.40	33	32	-5	ENE	2	osg	*	42	32	-	
Oxford ...	29.48	33	NW	1	0	29.65	+0.38	32	30	-5	NE	2	os	*	38	31	-	
Cambridge ...	29.42	33	NW	2	S	29.67	+0.43	32	31	-4	NE	1	TSF	*	38	30	0.03	
Yarmouth ...	29.36	39	NNE	4	C	29.63	+0.51	31	29	-2	ENE	4	C	5	38	29	0.24	
Cuxhaven ...	29.26	26	ESE	7	S	29.51	+0.22	26	?	+2	NE	5	0	*	30	24	-	
Berlin ...	29.28	26	E	5	S	29.34	+0.08	22	22	-5	E	3	S	*	30	21	0.16	
Wiesbaden ...	*	*	*	*	*	29.46	+0.14	37	34	-3	SW	2	0	*	48	36	0.04	
Munich ...	29.45	33	W	5	6	29.49	-0.01	33	33	-5	W	5	0	*	45	32	0.20	
FRANCE & NETHERLANDS.																		
The Helder ...	30.28	31	NNE	5	0	29.59	+0.74	30	29	-6	NE	4	0	3	36	30	-	
Brussels ...	*	*	*	*	*	29.58	+0.45	32	31	-8	N	1	S	*	41	32	?	
Cape Gris Nez...	29.37	37	N	4	0	29.58	+0.39	34	32	-6	ENE	3	0	4	41	32	-	
Paris ...	29.46	41	NTW	3	0	29.47	-0.01	39	38	-1	NNE	3	0	*	52	31	0.16	
Brest ...	29.52	47	WNW	7	0	29.60	+0.06	46	44	0	WSW	5	0	6	50	36	-	
Lorient ...	29.55	46	W	5	6	29.60	+0.04	45	43	0	W	5	C	5	48	41	0.08	
Rockfort ...	29.71	46	W	7	bc	29.76	+0.03	45	44	0	W	5	bc	2	52	41	0.16	
Belfort ...	29.59	43	W	3	0	29.58	+0.01	36	36	-5	W	1	S	*	43	33	0.32	
Lyons ...	29.64	42	W	3	0	29.74	+0.01	40	37	+3	SSW	3	bc	*	53	?	-	
Nice ...	29.53	51	W	4	6	29.58	+0.16	49	?	-2	W	5	6	3	59	46	-	
Perpignan ...	29.78	51	NW	7	0	29.87	+0.07	45	41	-2	W	3	6	*	63	43	-	
Biarritz ...	29.83	53	W	7	6	29.88	+0.05	51	46	+1	W	5	6	2	55	43	0.08	
PENINSULA.																		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lisbon ...	30.05	56	WSW	5	0	30.03	-0.04	57	57	+2	SW	5	0	5	61	55	0.16	

For Explanation of Columns, see p. 2. +. Reading yesterday morning 29.30.

WEATHER CHARTS

for 8 a.m. on

Tuesday, 13th March

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 bows and feathers refer to force.
 thus —

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

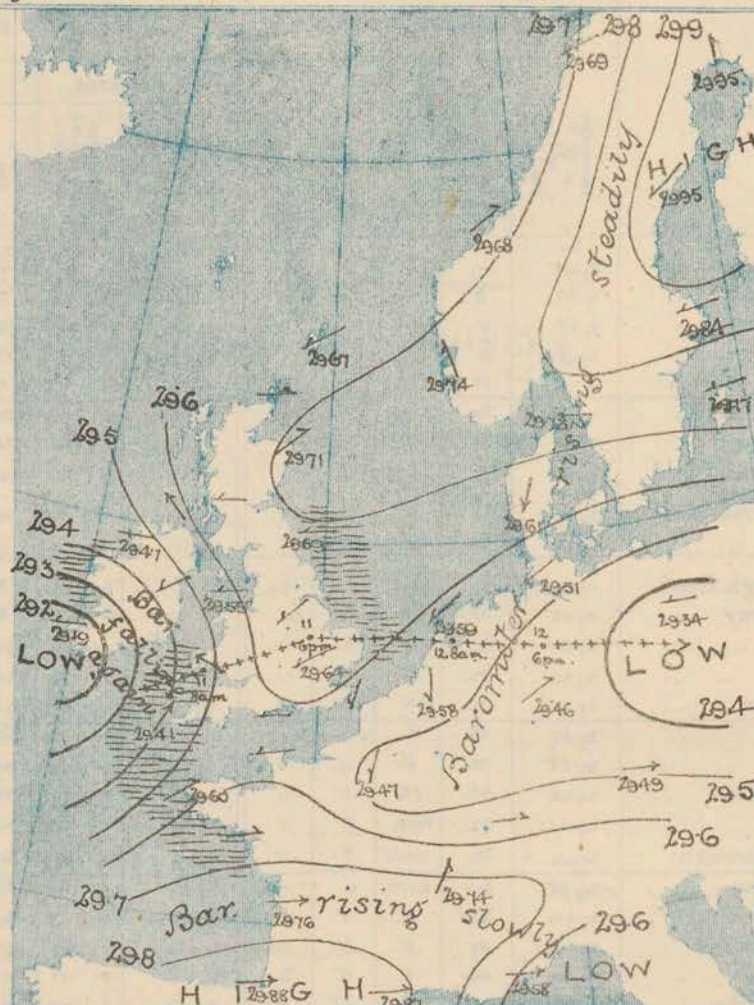
Sea Disturbance — where considerable is shown thus.

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.779
Wick	29.797
Nairn	29.816
Aberdeen	29.830
Leith	29.862
Shields	29.896
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.919
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.966
Dover	29.955
LONDON	29.967
Oxford	29.968
Cambridge	29.957
Yarmouth	29.938



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

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

Weather is shown by Letters of the Beaufort Scale.

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

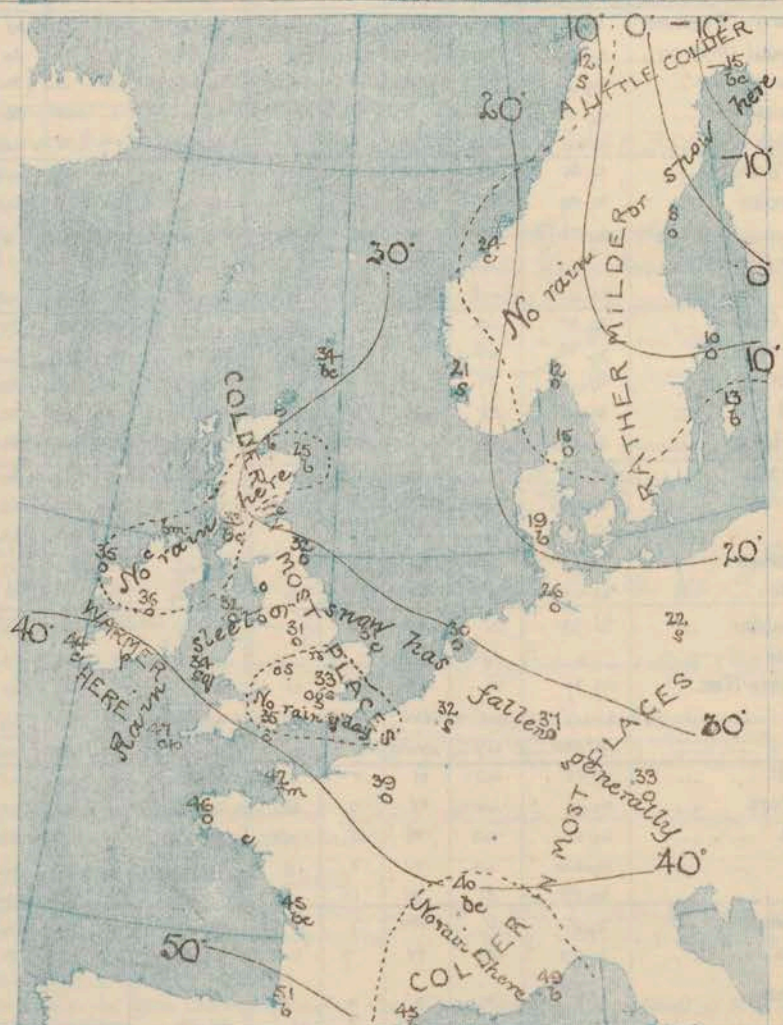
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.6	34.0	38.5	37.1	2.92
Stornoway	41.9	34.4	39.2	38.0	3.87
Wick	41.7	33.9	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	36.3	1.72
Aberdeen	45.4	34.7	38.9	36.8	2.24
Leith	48.2	34.0	39.7	37.9	1.36
Shields	45.0	35.1	39.0	38.0	1.60
York	48.9	33.7	38.6	37.1	1.63
Loughborough	49.8	34.3	39.5	37.7	1.47
Ardrossan	46.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.0	39.7	1.99
Holyhead	47.6	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	39.5	42.6	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.9	40.5	44.7	42.7	2.32
Hurst Castle	48.3	37.7	41.6	40.7	1.80
Dover	46.9	37.8	41.6	39.9	1.86
LONDON	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	33.3	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.9 in. 630.0 mbs., and more over the Iberian Peninsula. — 29.8 in. to 29.9 in. and more, over Sweden and Finland.
 Lowest, About 29.5 in. in a depression lying over Germany. — 29.2 in. and less, in another depression off the southwest of Ireland.
 Gradients rather steep over our southwestern district, slight in the northeast, moderate elsewhere.
 Barometer falling steadily in the southwest, rising elsewhere, most in east.

TEMPERATURE

Highest, 57° at Linton, 51° at Biarritz, 48° at Mice, 47° at Scilly, 44° at Valencia. 33° in London.
 Lowest, -15° at Akapemunda, +10° at Stockholm, 12° at Rode, 21° at Skudesnæs, 22° at Berlin, 25° at Aberdeen, 30° at York.
 It has fallen decidedly over Great Britain, the North Sea and Germany, risen at our extreme southwestern station.

WIND

E^{ly} fresh to strong on our northwestern coasts — nearly calm in the north.
 NE^{ly} moderate over England, Holland and the greater part of the Channel.
 SE^{ly} strong at Rock Point, S.W.^{ly} fresh at Scilly, W^{ly} fresh over the Bay of Biscay.

WEATHER

Fine and bright in Scotland and also in the south of France — cloudy elsewhere, unsettled generally.
 Snow is reported at several of the English and Continental stations, rain showers on our southwestern coasts.

SEA

Slight at most of the northern stations, moderate in the extreme west, rough elsewhere, especially at the mouth of the Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

- (1) The depression over Germany is apparently filling up, while that off the southwest of Ireland is growing deeper.
- (2) As the barometer is now rising at Scilly and over the Bay of Biscay the depression in the west will probably move northward, causing SE^{ly} to SW^{ly} gales and rain in the west, and milder weather over England subsequently.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	Calm, followed by SE ^{ly} winds; becoming milder, some showers.
1	SCOTLAND EAST	.....D.....D.....D.....
2	ENGLAND N.E.	E ^{ly} and SE ^{ly} winds, freshening; some cold showers.
3	ENGLAND EAST	.....D.....D.....D.....
4	MIDLAND COUNTIES	Wind veering to E, and SE; some cold showers.
5	ENGLAND SOUTH	E ^{ly} to S ^{ly} and SW ^{ly} winds; some cold showers, then milder, very unsettled.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	SE ^{ly} winds, freshening; fair to rainy.
7	ENGLAND N.W.	Wind veering to SE or S, strong to a gale; becoming rainy and milder.
8	ENGLAND S.W.	SW ^{ly} winds, strong to a gale; showery, milder.
9	IRELAND NORTH	SE ^{ly} to SW ^{ly} winds, strong to a gale; rainy, becoming milder.
10	IRELAND SOUTH	.....D.....D.....D.....

WARNINGS

The SOUTH CONE was hoisted yesterday in districts 8 and 10, and this morning in districts 7 and 9. On all other coasts the SIGNALS are now down.

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 ...	29.65	31	26	SSZ	1	c	3	Holyhead ...	29.42	36	34	NE	4	cmsp	4
Gumburgh Head ...	29.62	35	32	NNE	1	c	3	Valencia ..	29.30	49	44	SSE	4	c	4
Stornoway ...	29.61	38	36	E	5	bc	4	Scilly ...	29.38	44	43	WSW	5	r	6
Aberdeen ...	29.61	34	33	ESE	6	o	7	Dungeness ...	29.30	45	41	NW	4	c	4
Shields ...	29.46	33	32	NE	4	sr	8	London ...	29.35	42	41	W	4	c	*
Ardrossan ...	29.57	35	35	FNE	4	o	2	Yarmouth ...	29.27	33	33	NNW	3	osp	5
Malin Head ...	29.54	34	34	E	5	o	4	Jersey ...	29.44	46	42	N	4	c	4
Mullaghmore ...	29.48	37	35	ESE	5	o	3	Rochefort ...	29.78	50	40	N	7	c	2
Beimullet ...	29.37	41	38	SE	4	bc	*								

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that pressure was highest 30.1 ins. and upwards over western Algeria and the Straits of Gibraltar, but also high 30.0 ins. and upwards over Lapland. The deep depression noticed near Pembroke, on the previous day had moved eastwards to Holland, and was gradually becoming shallower, but a new disturbance was beginning to show itself off the southwest of Ireland, while a well defined though somewhat shallow system was lying over northern Italy and the Gulf of Genoa. The wind was SW over southern Europe, and NE over the more northern countries, but in other localities it was governed by one or other of the low pressure systems noticed above. In Belgium and the northeast of France, the W winds blew strongly, while in Denmark there was an E gale. Snow was falling over the northern, eastern and central parts of our Islands, and also in North Germany, and rain in Belgium, while cloudy weather prevailed in most other districts. Over the southern parts of England and France however, and in the North of Spain, the sky was moderately clear. Temperatures had fallen a little in most places and readings ranged from 55° and upwards at several of the Spanish, Algerian and southern Italian stations, to several degrees below zero over northern and central Russia. The highest individual readings were 62° at Algiers, 60° at La Calle, 59° at Barcelona, San Fernando and Sfax, 58° at Malte and Oran, and 57° at Cagliari and Taghazout; the lowest were -18° at Archangel, -13° at Haparanda, -12° at Moscow, -7° at Uleaborg and Hango, -5° at Kuopio, Helsingfors and Riga, -1° at St. Petersburg and +3° at Hernösand. In the course of the day the depression over Holland continued to travel slowly eastward while the new system in the West showed signs of gradual development. The latter occasioned a freshening of the E wind at the Irish stations.

General remarks on the Weather for the 24 hours ending at 8 a.m. on the 12th March 1888.

The reports for Sunday morning showed that pressure was highest 30.1 ins. and upwards over Algeria, but also high 30.0 ins. and upwards over the North of Sweden. The lowest readings 28.6 ins. and less were found in a deep depression, the centre of which lay near Pembroke, but a trough of low pressures extended eastwards from our Islands as far as the South of Russia, and small shallow disturbances were lying respectively over North Germany and the South of Russia. Over our Islands and France a cyclonic circulation was shown round the deep depression noticed above, strong winds and gales from SW being reported over the Channel and West of France, strong S.E. breezes on the South of England, E winds at our northern stations, and N winds in the South of Ireland. Over northern Europe the wind was chiefly NE, and over southern Europe SW or W. The weather was fine locally over the southern countries, but cloudy or overcast elsewhere, with heavy rain in Ireland and the West and North of England. Temperatures had fallen in most places, and readings ranged from 60° and upwards at some of the Spanish and Algerian stations, and 50° and upwards over southern Europe generally, to a few degrees below zero over North Russia, and also over the Gulfs of Bothnia and Riga. The highest individual readings were 65° at Barcelona, 64° at Bilbao, 63° at Algiers, 59° at Oran and Palermo, and 58° at Malta; the lowest were -9° at Haparanda, -8° at Archangel, -7° at Riga, -3° at Hernösand and Moscow, -2° at Helsingfors, and -1° at Stockholm, Kuopio and St. Petersburg.

In the course of the day the deep depression over our southwest coasts moved steadily east-northeastwards across England, and the wind rose to a whole gale from the SW over the Channel. Moderate or fresh E. gales were experienced at many of our northern stations, with squally, unsettled weather generally.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Wednesday 14th March

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 ..	30.00	-9	Z	0	b	30.00	+ .09	-9	-9	+ 6	Z	0	0	*	-2	-20	-	
	Hernösand ...	30.01	-3	Z	0	b	30.06	+ .11	-6	-6	- 14	Z	0	b	*	10	?	-	
	Stockholm ...	29.95	12	E	2	o	29.98	+ .14	7	6	- 3	NNE	2	o	*	18	7	-	
	Wisby ...	29.86	13	E	6	b	29.91	+ .14	13	12	0	ENE	4	s	*	23	7	-	
	Bodö ...	29.82	14	ENE	2	b	29.85	+ .16	16	15	+ 4	ENE	2	c	1	?	-9	-	
	Christiansund...	29.79	28	SSW	3	s	29.86	+ .18	27	26	+ 3	SSE	1	b	2	28	23	0.04	
	Skudesnaes ...	29.85	23	SSE	6	s	29.86	+ .12	21	19	0	SE	4	c	3	23	21	-	
	Christiania Fjord (Fierder)	29.91	17	E	2	c	29.97	+ .17	10	10	- 2	E	2	o	0	18	7	-	
	Skagen (The Scaw)	29.85	17	ENE	3	o	29.91	+ .18	15	14	0	ENE	3	c	0	18	14	-	
	Fanö ...	29.82	16	NE	4	b	29.87	+ .20	18	17	- 1	E	4	b	*	25	14	-	
BRITISH ISLANDS.	Sumburgh Head	29.63	34	SSE	2	o	29.57	- .10	34	32	0	SSE	6	o	6	38	33	0.03	
	Stornoway ...	29.48	35	S	4	c	29.26	- .38	33	33	- 1	SE	7	s	6	36	30	0.05	
	Wick ...	29.57	34	S	6	o	29.44	- .24	34	34	+ 3	SSE	8	ow	7	38	30	0.03	
	Nairn ...	29.54	34	E	2	b	29.35	- .33	34	33	+ 9	ESE	4	c	2	40	25	-	
	Aberdeen...	29.63	34	SSE	5	o	29.48	- .23	30	32	+ 8	SSE	8	o	7	37	25	-	
	Leith ...	29.58	35	ESE	4	c	29.34	- .35	32	32	0	E	4	o	*	38	29	-	
	Shields ...	29.63	31	SSE	6	o	29.37	- .32	31	31	- 1	ESE	7	s	8	33	26	-	
	Spurn Head ...	29.65	32	SE	6	c	? 29.34	- .32	33	30	+ 1	ESE	8	sq	7	34	30	-	
	York ...	29.65	32	ESE	3	c	? 29.27	- .42	31	30	+ 1	E	3	s	*	37	29	0.19	
	Loughborough	29.60	33	ESE	4	o	29.26	- .41	34	33	+ 3	ESE	2	o	*	35	29	0.08	
GERMANY.	Ardrossan ...	29.50	33	E	4	o	29.25	- .40	32	30	- 1	ENE	4	ow	2	37	28	0.08	
	Malin Head ...	29.41	32	SE	5	ofrs	29.15	- .41	33	32	+ 3	SSE	5	osp	4	33	30	0.04	
	Mullaghmore ...	29.33	35	ENE	6	os	29.10	- .34	35	35	0	E	2	ow	2	38	33	0.14	
	Belmullet ...	29.32	36	ENE	4	c	29.12	- .30	35	34	0	SE	2	o	*	38	32	-	
	Donaghadee ...	29.43	33	SE	5	sp	29.16	- .44	35	34	+ 2	SE	6	og	4	35	30	0.24	
	Barrow-in-Furness	29.50	32	E	5	s	29.17	- .47	32	32	+ 2	E	7	sp	*	33	29	0.02	
	Liverpool (Bidston)	29.48	31	ESE	7	c	29.17	- .46	33	32	+ 3	E	4	o	3	34	29	0.07	
	Holyhead ...	29.36	36	E	4	cpog	29.06	- .49	41	41	+ 9	SW	3	c	2	42	32	0.19	
	Parsonstown ...	29.22	44	NN	4	omg	29.20	+ .01	40	38	- 4	SE	1	ow	2	52	34	-	
	Valencia ...	29.10	46	WNW	2	cp	29.19	- .08	40	37	- 3	W	3	b	4	48	37	0.16	
FRANCE & NETHERLANDS.	Roche's Point...	29.26	39	SE	6	r	29.17	- .28	40	38	+ 6	SW	5	eg	5	44	34	0.60	
	Pembroke ...	29.31	49	SW	6	ow	29.25	- .16	45	43	- 2	W	4	c	5	53	43	0.05	
	Scilly ...	29.41	44	SW	4	o	29.27	- .28	43	42	+ 5	W	3	b	3	46	32	0.13	
	Prawle Point ...	29.54	46	SSW	3	cpog	29.24	- .24	45	44	+ 3	SSW	5	ow	5	49	41	0.33	
	Hurst Castle ...	29.52	37	ESE	5	s	29.29	- .32	44	44	- 9	SSW	5	ow	4	42	35	0.17	
	Dungeness ...	29.63	35	SE	4	o	29.23	- .26	41	41	+ 7	SW	4	r	3	41	33	0.30	
	London ...	29.61	34	ESE	4	os	29.29	- .35	44	42	+ 11	SW	3	b	*	44	32	0.34	
	Oxford ...	29.54	32	ESE	8	s	29.25	- .40	40	40	+ 8	SSE	2	c	*	41	31	0.18	
	Cambridge ...	29.63	33	E	2	o	29.29	- .38	37	37	+ 5	SE	2	osp	*	38	29	0.04	
	Yarmouth ...	29.69	31	ESE	4	c	29.37	- .26	32	31	+ 1	SE	7	osq	6	32	29	0.05	
PENIN. SULA.	Cuxhaven ...	29.77	26	NE	4	b	29.74	+ .33	21	21	- 5	E	3	b	*	26	19	-	
	Berlin ...	29.63	21	NN	2	o	29.78	+ .44	17	16	- 5	NN	3	s	*	25	14	0.04	
	Wiesbaden ...	*	*	*	*	*	29.67	+ .21	31	30	- 6	NE	3	o	*	41	30	-	
	Munich ...	29.67	34	W	4	m	29.69	+ .20	32	32	- 1	E	3	s	*	39	32	0.04	
	The Helder ...	*	*	*	*	*	29.48	- .10	35	34	+ 3	SE	3	o	*	36	30	0.04	
	Brussels ...	29.64	33	E	5	c	29.36	- .22	38	?	+ 4	SSW	5	r	3	36	32	0.20	
	Cape Gris Nez...	29.67	44	ESE	1	o	29.50	+ .03	42	41	+ 3	S	3	o	*	48	39	0.04	
	Brest ...	29.57	47	WSW	7	o	? 29.39	- .21	46	?	0	SW	3	o	7	50	36	-	
	Lorient ...	29.62	48	SW	5	b	29.37	- .23	46	43	+ 1	SW	5	r	5	52	43	0.32	
	Rochefort ...	29.80	49	WSW	7	c	29.51	- .25	45	44	0	SSE	7	r	1	54	39	0.21	
GERMANY.	Belfort ...	29.70	40	W	1	c	29.63	+ .05	46	44	+ 10	WSW	1	b	*	?	34	-	
	Lyons ...	29.78	46	NN	1	b	29.66	- .08	39	37	- 1	S	1	o	*	53	37	-	
	Nice ...	29.63	52	NN	4	b	29.67	+ .09	49	47	0	S	1	c	1	63	43	-	
	Perpignan ...	29.70	51	E	3	b	29.62	- .25	47	41	- 3	E	3	c	*	66	36	-	
	Biarritz ...	29.83	54	Z	0	o	29.51	- .37	59	52	+ 8	WSW	8	o	5	66	48	0.20	
	Corunna ...	*	*	*	*	*	29.95	- .08	58	57	+ 1	SW	8	o	4	59	55	0.04	
	Lisbon ...	30.03	58	W	7	o	29.95	- .08	58	57	+ 1	SW	8	o	4	59	55	0.04	

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

WEATHER CHARTS

for 8 a.m. on Wednesday, 14th March.

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.

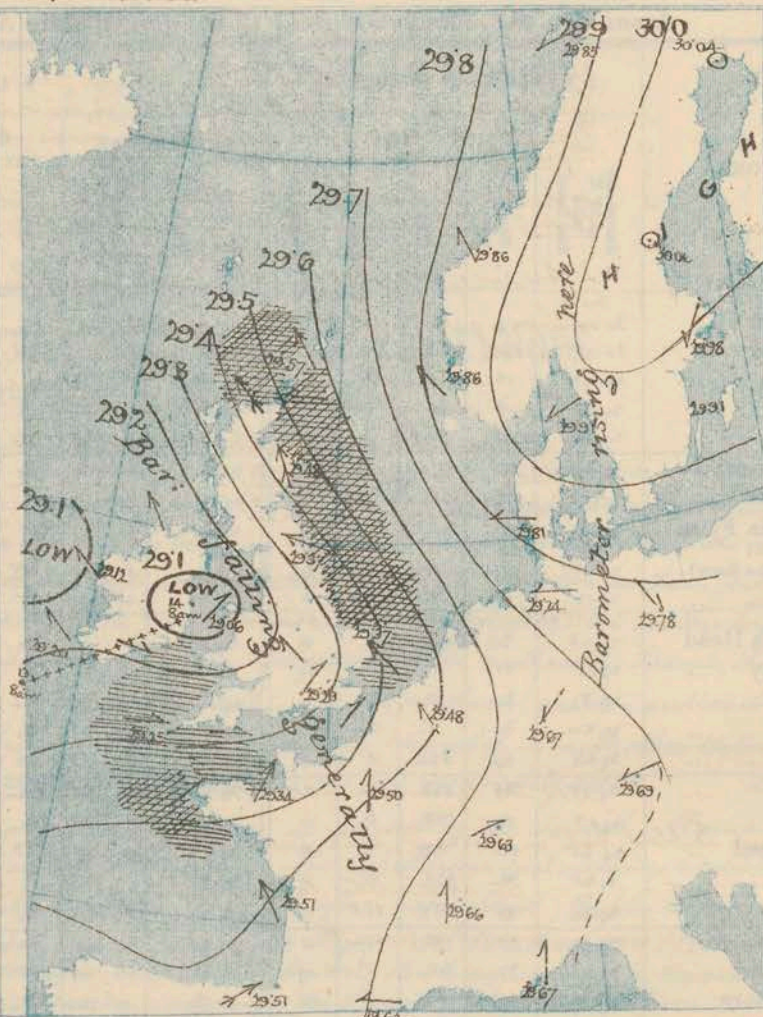
Sea Disturbance — where considerable is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.751
Stornoway	29.779
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.862
Shields	29.896
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.919
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.966
Dover	29.955
LONDON	29.967
Oxford	29.966
Cambridge	29.957
Yarmouth	29.938



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

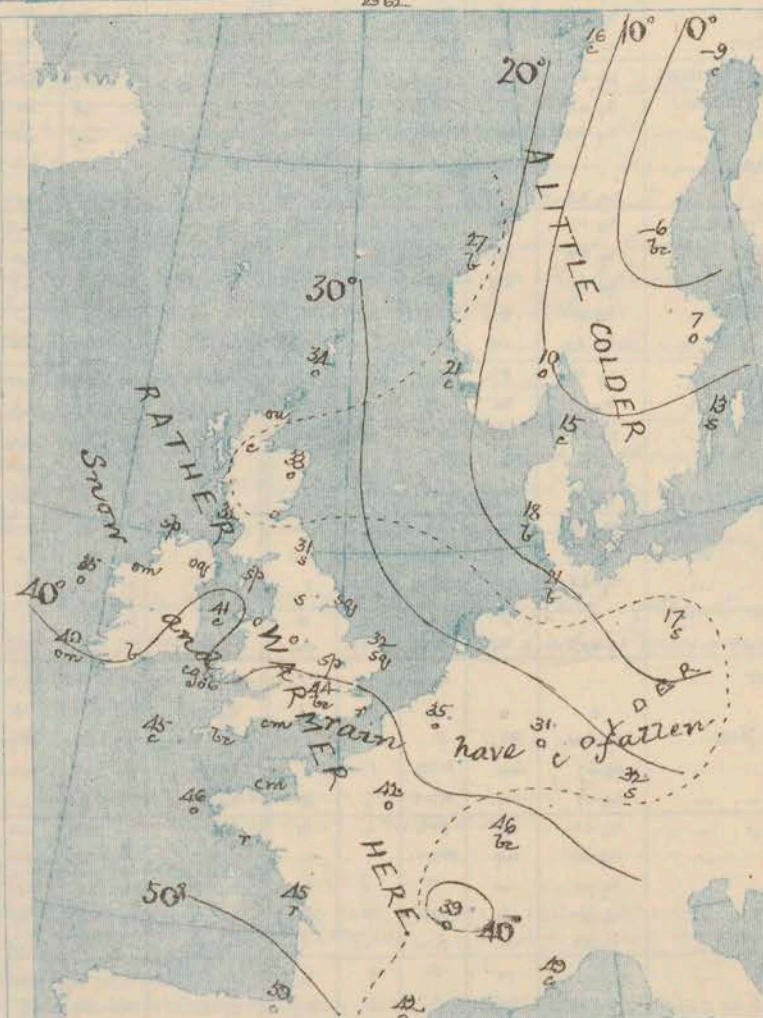
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet.	
Sumburgh Head	42.6	34.0	38.5	37.1	2.92
Stornoway	44.9	34.4	39.2	38.0	3.87
Wick	44.7	33.9	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	36.3	1.72
Aberdeen	45.4	34.7	38.9	36.8	2.24
Leith	48.2	34.6	39.7	37.9	1.36
Shields	45.9	35.4	39.6	38.0	1.60
York	48.9	33.7	38.6	37.1	1.63
Loughborough	49.8	34.3	39.5	37.7	1.47
Ardrossan	46.8	36.6	40.5	38.7	2.69
Donaghadee	47.3	37.1	41.0	39.7	1.99
Holyhead	47.6	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	39.5	42.6	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.9	40.5	44.7	42.7	2.32
Hurst Castle	48.3	37.7	41.6	40.7	1.80
Dover	46.9	37.8	41.6	39.9	1.86
LONDON	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	33.3	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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 29.86 ins. to 30.06 ins. over Scandinavia, 29.60 to 29.95 ins. over Spain and Portugal.
 Lowest 29.1 ins. and less off the West of Ireland, and in a secondary depression lying near Holyhead.
 Gradients rather steep over the North Sea, moderate to slight elsewhere.
 Barometer rising over Scandinavia, Baltic, and Germany, falling irregularly over our Islands and France.

TEMPERATURE

Highest 59° at Biarritz, 58° at Lisbon, 49° at Nice, 46° at Brest, 44° in London, 40° in the South of Ireland.
 Lowest -9° at Haparanda, +7° at Stockholm, 15° at the Sea, 17° at Berlin, 21° at Luebeck, 31° at Shields,
 32° at Androsen and Lermouth.

It has risen irregularly over the greater part of the United Kingdom, since yesterday, most in London.

WIND

Blows a gale from S.E. on our North and East coasts and at Barrow-in-Furness.
 Moderate to fresh from the S.W. at most of the southern stations, but a gale from S.W. over Spain and the southwest of France.
 Very variable over the Continent.
 S.E. winds are reported in the West of Ireland.

WEATHER

Very changeable and unsettled generally, - clear in some localities.
 Cloudy or overcast generally - rain showers in South - sleet in North.
 A thunderstorm occurred at Jersey yesterday afternoon.

SEA

Very high on our northeast coasts, high in the East, and at Brest, rough generally in the North and southwest, variable elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the depression near Holyhead moves northwards the S.E. gale will probably lull in the East of England but continue to blow hard in Scotland, with snow or sleet. There appears to be a fresh disturbance approaching Ireland from the Atlantic. Of its intensity little is known at present, but it is deemed advisable not to lower any of the warning signals, which are now up on all our coasts.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
↑ 0 SCOTLAND NORTH	Strong S.E. gales; sleet and snow.	↑ 6 SCOTLAND WEST	S.E. and E. winds, strong; squally, cold showers.
↑ 1 SCOTLAND EAST	.....D.....D.....D.....	↑ 7 ENGLAND N.W.	.....D.....D.....D.....
↑ 2 ENGLAND N.E.	S.E. gales; snow and cold rain.	↑ 8 ENGLAND S.W.	Varying W. to S. winds; very unsettled and showery.
↑ 3 ENGLAND EAST	Wind veering to S.W. and moderating; milder, showery.	↑ 9 IRELAND NORTH	Same as N ^o 6 and 7.
↑ 4 MIDLAND COUNTIES	.....D.....D.....D.....	↑ 10 IRELAND SOUTH	Same as N ^o 8.
↑ 5 ENGLAND SOUTH	S.W. and S. winds, force doubtful at present; unsettled, rain at times.	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.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	29.80	23	22	SSE 4	5	4	Holyhead ...	29.48	38	35	ESE 3	0	2
Sumburgh Head ...	29.65	37	34	SSE 2	c	3	Valencia ...	29.15	51	47	N 2	bc	2
Stornoway ...	29.56	36	36	S 5	c	4	Scilly ...	29.35	50	48	SW 6	op	6
Ardreen ...	29.66	35	34	S 3	c	3	Dungeness ...	29.66	36	35	SE 4	0	4
S. fields ...	29.68	33	32	ESE 4	0	6	London ...	29.66	35	33	ESE 3	0	*
Ardrossan ...	29.55	37	35	E 4	c	2	Yarmouth ...	29.70	32	31	E 4	co	4
Malin Head ...	29.48	33	32	SE 5	0	3	Jersey ...	29.58	46	45	SW 3	0	3
Mullaghmore ...	29.40	37	35	E 6	og	5	Rochefort ...	29.82	53	51	W 4	bc	2
Belmullet ...	29.37	37	35	E 5	0	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that areas of high pressure 30.1 ins. and upwards were lying respectively over the White Sea, and over western Algeria and the Straits of Gibraltar. The depression which crossed our Islands on Sunday had reached Sicily, but a new disturbance had appeared off the South of Ireland, while a third low pressure system was shown over southeastern Europe. With these conditions E. or NE. breezes were reported in all the more northern countries, and W. or SW. breezes in the extreme South; elsewhere a cyclonic circulation was shown round one or other of the depressions noticed above.

The weather was fine at several of the Russian stations, but cloudy elsewhere, with snow in many parts of England and Central Europe, and a thunderstorm at Rome. Temperature had risen a little in the West and South of France, as well as over Sweden and the Central and southern parts of Russia, but fallen elsewhere; readings ranged from between 55° and 60° over Algeria, Spain and southern Italy, to several degrees below zero over the northern parts of Sweden and Russia. The highest individual readings were 62° at Palma and Gran, 61° at Jax, 59° at San Fernando, Cagliari, Algiers and Laghouat, and 57° at Lisbon and Malta; the lowest were -25° at Archangel, -15° at Haparanda, -14° at Kuopio, -11° at Uleaborg and Helsingfors, -9° at Moscow, -8° at St. Petersburg, -5° at Riga, -4° at Hanjo and -3° at Memel.

In the course of the day the depression off the South of Ireland advanced slowly in an east-northeasterly direction, and occasioned a considerable increase of wind from the SE. or E. on our northern coasts, with snow in many parts of the United Kingdom. In the South of France the thermometer rose above 60° during the day.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Thursday 15th March

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 ..	30.07	-9	S	2	b	30.04	-.00	-8	-8	+1	Z	0	c	*	5	-13	-	
Hernösand ...	30.08	-4	Zo	0	b	30.05	-.01	-9	-9	-3	Z	0	b	*	21	-9	-	
Stockholm ...	29.95	3	NNE	2	b	29.91	-.04	-6	-6	+1	N	2	b	*	16	1	-	
Wisby ...	29.90	14	ENE	4	o	29.86	-.04	6	5	-7	E	4	b	*	21	?	-	
Bodö ...	29.92	18	ENE	2	b	29.85	-.07	21	19	+5	E	2	c	1	?	16	-	
Christiansund...	29.88	26	SE	1	b	29.84	-.04	22	21	-5	ESE	2	b	2	30	18	-	
Skudesnaes ...	29.83	23	ESE	3	b	29.83	-.00	23	19	+2	ESE	4	b	3	30	21	-	
Christiania Fjord (Færd)	29.92	17	NNE	2	b	29.95	+.03	8	8	-2	NNE	4	b	0	18	7	-	
Skagen (The Scaw)	29.84	14	E	5	b	29.87	+.03	12	12	-3	E	4	o	?	18	12	-	
Fanö ...	29.70	18	E	6	b	29.67	-.03	18	17	-1	E	6	c	*	21	16	-	
BRITISH ISLANDS.																		
Sumburgh Head	29.62	33	SSE	6	o	29.70	+.08	30	29	-4	SE	5	S	7	36	28	0.01	
Stornoway ...	29.48	34	SE	8	o	29.58	+.10	32	32	-2	SE	7	o m	8	34	30	0.03	
Wick ...	29.39	33	E	3	c	29.48	+.09	31	30	-3	E	4	o	2	34	30	-	
Nairn ...	29.44	32	SE	8	sp s	29.52	+.08	31	31	-2	ESE	7	S	8	34	29	0.12	
Aberdeen...	29.28	33	ESE	4	S	29.35	+.07	33	33	+1	E	6	S	*	35	31	0.01	
Leith ...	29.29	34	ESE	8	o	29.38	+.09	34	33	+3	ESE	8	o	8	34	27	0.36	
Shields ...	29.21	35	ESE	6	S	29.21	-.00	37	37	+4	ESE	6	fr sp	5	38	32	0.07	
Spurn Head ...	29.24	34	ESE	3	S	29.19	-.05	35	35	+4	E	2	m	*	35	30	0.50	
York ...	29.23	41	Z	0	c	29.17	-.06	34	34	0	ESE	1	o	*	46	30	0.24	
Loughborough	29.16	34	ENE	4	sp	29.25	+.09	34	32	+2	NE	5	omv	3	37	31	0.04	
Ardrossan ...	29.07	36	SSE	3	og	29.19	+.12	37	36	+4	E	5	om	4	38	29	0.04	
Malin Head ...	29.02	38	E	5	c	29.08	+.06	39	37	+4	E	8	cm	6	40	34	-	
Mullaghmore ...	28.99	41	ESE	3	o	29.10	+.11	39	37	+4	ENE	6	o	*	46	34	0.21	
Behnullet ...	29.10	36	SSW	4	o	29.12	+.02	36	36	+1	ESE	7	og	5	42	34	0.08	
Donaghadee ...	29.16	36	E	3	o	29.11	-.05	35	35	+3	ESE	5	rs	*	37	31	0.14	
Barrow-in-Furness	29.18	39	S	1	o	29.12	-.06	34	33	+1	ESE	2	o	3	41	33	0.22	
Liverpool (Bidston)	29.14	39	S	3	om	29.06	-.08	37	37	-4	SSE	3	cp	2	42	35	0.13	
Holyhead ...	29.04	40	SW	1	r	29.02	-.02	34	33	-1	Z	0	S	*	48	33	0.10	
Parsonstown ...	29.05	40	NW	4	og	29.08	+.03	40	36	0	W	2	o	1	47	34	0.21	
Valencia ...	29.04	42	W	5	c	29.07	+.03	39	37	-1	W	4	bc	4	47	35	0.15	
Roche's Point...	29.16	42	S	3	bc	29.11	-.05	39	37	-1	WSW	5	bsq	6	43	35	0.08	
Pembroke ...	29.20	45	SW	5	c	29.17	-.03	41	39	-4	WNW	5	cqm	6	51	39	0.10	
Scilly ...	29.25	44	SW	3	b	29.22	-.03	41	38	-2	SW	4	bc	4	49	34	0.08	
Prawle Point ...	29.31	45	WSW	3	b	29.28	-.03	42	40	-3	WNW	3	bm	3	47	42	0.04	
Jersey ...	29.26	42	WSW	3	bc	29.26	-.00	41	40	-3	WSW	3	b	3	48	40	0.05	
Hurst Castle ...	29.25	42	WSW	2	r	29.24	-.01	41	41	0	SSW	4	c	4	45	38	0.15	
Dungeness ...	29.24	44	S	1	og p	29.20	-.04	41	40	-3	WSW	2	o	*	51	39	0.20	
London ...	29.24	41	S	2	b	29.19	-.05	39	38	-1	SW	3	b	*	49	37	0.17	
Oxford ...	29.20	40	S	1	c	29.19	-.01	40	39	+3	S	1	r	*	53	33	0.01	
Cambridge ...	29.27	38	SE	3	cm	29.26	-.01	36	35	+4	S	3	cm	4	38	31	0.12	
Yarmouth ...	29.69	24	ESE	5	b	29.61	-.08	21	20	0	ESE	3	o	*	25	18	-	
Cuxhaven ...	29.72	17	ESE	3	b	29.62	-.10	11	10	-6	E	5	o	*	25	9	-	
Berlin ...	*	*	*	*	*	29.39	-.28	37	36	+6	NW	1	o	*	37	?	0.32	
Wiesbaden ...	29.47	36	E	4	b	29.45	-.02	43	40	+11	W	6	o	*	45	32	0.28	
Munich ...	29.38	30	ESE	4	o	29.37	-.01	27	27	0	ESE	4	S	3	30	27	0.32	
The Helder ...	*	*	*	*	*	29.36	-.12	41	40	+6	SW	1	b	*	48	?	0.47	
Brussels ...	29.28	43	SSW	4	o	29.22	-.06	41	41	+3	SSW	5	o	2	46	?	0.20	
Cape Gris Nez...	29.26	43	S	1	o	29.40	+.14	43	41	+1	SW	3	r	*	48	40	0.04	
Paris ...	29.39	46	SW	3	c	29.33	-.06	43	38	-3	WNW	5	bc	5	50	36	-	
Brest ...	29.39	47	WSW	4	bc	29.31	-.08	43	43	-3	W	3	b	4	48	41	0.32	
Lorient ...	29.51	47	WNW	8	o	29.44	-.07	47	47	+2	WSW	4	o	2	54	41	0.28	
Rochefort ...	29.48	43	W	3	o	29.52	+.04	43	42	-3	W	1	bc	*	50	37	0.32	
Belfort ...	29.50	46	S	5	o	29.50	-.00	43	42	+4	W	1	r	*	49	?	0.04	
Lyons ...	29.56	46	ENE	3	c	29.53	-.03	50	46	+1	S	1	bc	2	52	41	0.16	
Nice ...	29.57	57	NE	3	b	29.54	-.03	41	40	-1	WSW	3	bc	*	66	39	-	
Perpignan ...	29.62	54	W	8	o	29.48	-.14	52	50	-7	NW	5	r	2	63	48	0.12	
Biarritz ...	*	*	*	*	*	29.56	-.12	58	54	0	SSW	9	o	4	61	43	0.12	
Corunna ...	29.90	58	SW	8	b	29.80	-.10	55	53	-3	WSW	7	o	6	61	54	0.39	
Lisbon ...																		

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on *Thursday 15th March.*

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

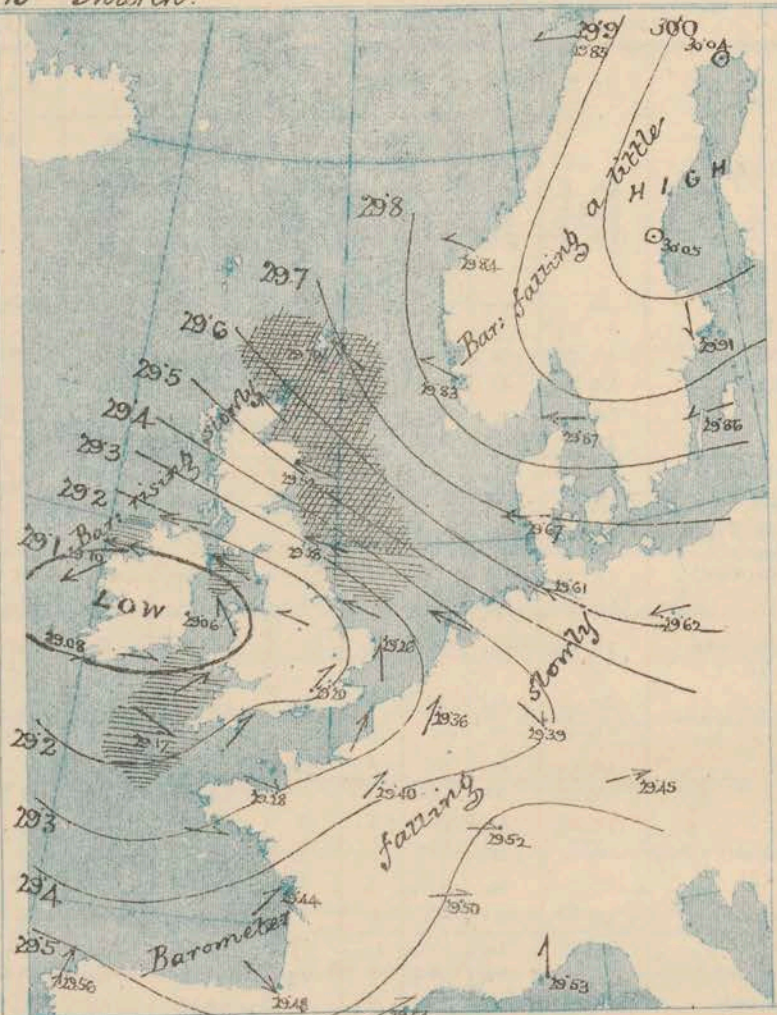
Sea Disturbance — where considerable is shewn thus.

▨ = Rough. ▨ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.751
Stornoway	29.779
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.862
Shields	29.896
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.919
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.966
Dover	29.955
LONDON	29.967
Oxford	29.968
Cambridge	29.957
Yarmouth	29.938



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

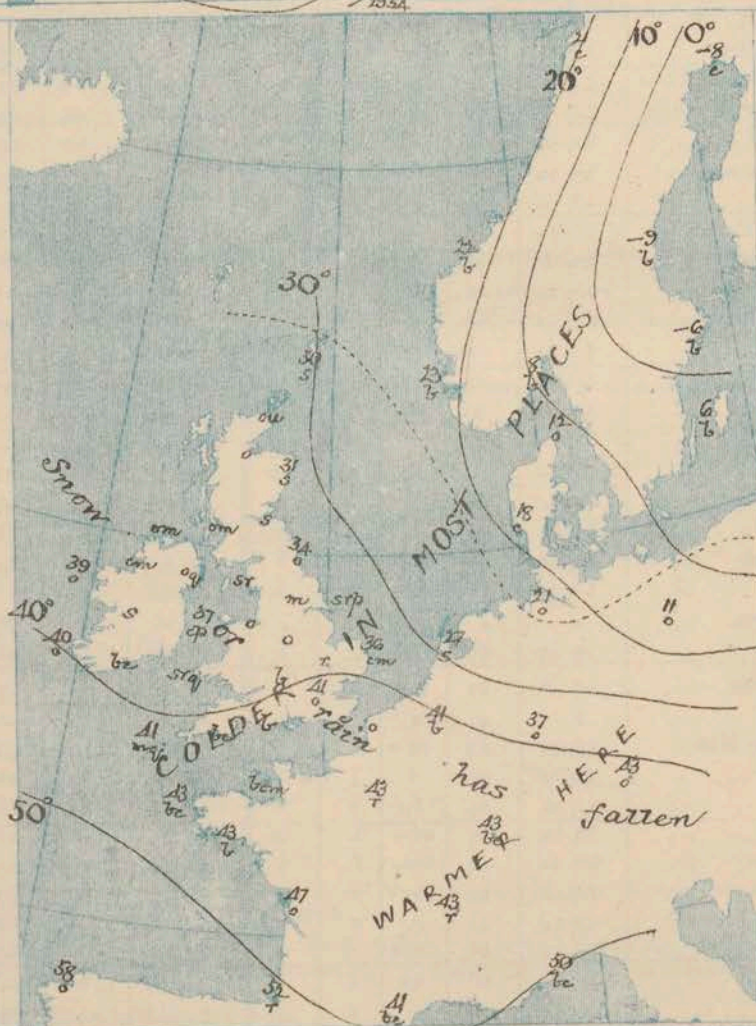
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of March.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.6	34.0	38.5	37.1	2.92
Stornoway	44.9	34.4	39.2	38.0	3.87
Wick	44.7	33.9	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	36.3	1.72
Aberdeen	45.4	34.7	38.9	36.8	2.24
Leith	48.2	34.6	39.7	37.9	1.36
Shields	45.9	35.4	39.6	38.0	1.60
York	48.9	33.7	38.6	37.1	1.63
Loughborough	49.8	34.3	39.5	37.7	1.47
Ardrossan	46.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.0	39.7	1.90
Holyhead	47.6	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	39.5	42.6	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.9	40.5	44.7	42.7	2.32
Hurst Castle	48.3	37.7	41.6	40.7	1.80
Dover	46.9	37.8	41.6	39.9	1.86
LONDON	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	33.3	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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, 29.83 ins. to 30.05 ins. over Scandinavia, 29.5 ins. to 29.8 ins. over the Spanish Peninsula.
 Lowest, 29.0 ins. to 29.1 ins. over Ireland, St. George's Channel, and North Wales.
 Gradient steep over our northern and northwestern districts, moderate to slight elsewhere.
 Barometer rising in Scotland and the northern parts of England and Ireland, very unsettled (with a tendency to fall) elsewhere.

TEMPERATURE

Highest, 58° at Corunna, 55° at Lisbon, 52° at Binnrig, 50° at Nice, 47° at Rochefort, 43° at Munich, and 40° to 41° at our S^r and S^W stations.
 Lowest, -6° to -9° over Sweden, +6° at Wisby, 11° at Berlin, 12° at the Scaev, 18° at Faro, 31° at Aberdeen, and 34° at Shields.
 It has decreased in most places, but at Munich it has risen fast, with a shift of wind to the W^W.

WIND

SE^r to E^r at our northwestern, northern, and northeastern stations, strong to a gale in most places.
 E^r strong, over the North Sea, and Denmark, moderate over the Baltic.
 W^r (S^W to NW^r) at the southern stations, light to fresh in force.
 A S^W gale prevails on the Portuguese coast and at Corunna.

WEATHER

Clear over Scandinavia, dull and squally at our own northern stations, with much snow at times.
 Very changeable (rain-showers and light snows) over the southern parts of our area.
 Dull and showery over Spain and the southwest of France.

SEA

Very high on our northern and northeastern coasts, rough in the northwest and southwest, moderate in the Channel, smooth in the Bay of Biscay.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over Ireland appears to be moving in about an east-south-easterly direction, and as the barometer still rises in the north the easterly gale appears likely to spread over the Irish Sea and the northern half of England.

FORECASTS

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

DISTRICTS.

FORECASTS.

1	SCOTLAND NORTH	E ^r gales with snow, very cold.
1	SCOTLAND EAST	----- D° ----- D° ----- D° -----
2	ENGLAND N.E.	SE ^r to E ^r gales with snow showers.
3	ENGLAND EAST	S ^r (SE to SW) winds, showery, changeable, unsettled.
4	MIDLAND COUNTIES	----- D° ----- D° ----- D° -----
5	ENGLAND SOUTH	SW ^r winds, moderate or fresh, mild, showery.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	E ^r winds strong to a gale; snow showers.
7	ENGLAND N.W.	----- D° ----- D° ----- D° -----
8	ENGLAND S.W.	Same as N° 5
9	IRELAND NORTH	Same as N° 6.
10	IRELAND SOUTH	W ^r to NW ^r winds, colder, showery.

WARNINGS

The north cone has been rehoisted this morning on our northern coasts and is now up in districts 0. 1. 2. 6. 7. and 9.

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 ...	29.85	30	24	SE 2	bc	3	Holyhead ...	29.11	40	39	SSW 3	o pm	2
Sumburgh Head ...	29.62	34	33	SSE 6	c	7	Valencia ...	29.08	44	42	SW 3	o	3
Stornoway ...	29.27	36	35	SE 7	c	6	Scilly ...	29.24	49	46	WSW 3	bc	5
Aberdeen ...	29.46	34	34	SE 9	o	7	Dungeness ...	29.27	44	43	SW 3	c	3
Shields ...	29.31	32	32	SSE 8	s	6	London ...	29.24	50	47	SSW 3	c	*
Ardrossan ...	29.18	36	33	ESE 4	s	2	Yarmouth ...	29.29	37	36	SE 3	o qm	6
Malin Head ...	29.12	34	34	SSE 3	o	2	Jersey ...	29.28	44	42	WSW 4	o	4
Mullaghmore ...	29.08	40	38	E 2	o m	2	Rochefort ...	29.38	54	51	SW 8	o	3
Belmullet ...	29.04	46	44	SSE 3	c	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that areas of high pressure, 30.1 ins: and upwards, were lying respectively over Northern Russia and over Algeria and the Strait of Gibraltar. In the intermediate localities four well defined depressions were shown. One of these lay over the west of Ireland, another over the Irish Sea, the third over Eastern Austria, and a fourth over the South of Russia. With these conditions the wind was moderate from E or NE. over Northern Europe, and strong to gale from SE. on the east coast of Great Britain. Over France Spain, and the south of our Islands, however, moderate fresh breezes from S. or SW were reported, while over Eastern Europe the wind showed a cyclonic circulation round the Austrian and Russian depressions. Snow was falling over Germany, Austria, and the east and north of the British Isles, and rain in France and the south of England but over Southern Europe the weather though cloudy was mostly fair. Temperature had risen over the greater part of our Islands and France, but elsewhere the changes were somewhat irregular; readings ranged from between 55° and 65° at the Algerian and Spanish stations to many degrees below zero over the northern parts of Sweden and Russia. The highest individual readings were 64° at Bilbao 62° at Algiers. 60° at La Coruña and Sfax, 58° at Barcelona and Lisbon, and 57° at San Fernando and Palermo; the lowest were -35° at Archangel, -12° at St Petersburg, -9° at Haparanda and Helsinki, -7° at Uleaborg and Hango, -6° at Hernostrand and Kuopio, -4° at Moscow, and 3° at Memel and Riga.

In the course of the day the depression over the Irish Sea probably dispersed, but the disturbance off the west of Ireland extended Eastwards, and the SE gales on our north and north-east coasts therefore continued with snow in many places. Over the southern parts of our Islands a good 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, 16th March

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.	Day.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ..	30.00	-8	Z	0	c	30.04	-00	-13	-13	-5	S	2	c	*	9	-17	-		
Hernösand ...	30.03	11	Z	0	b	30.12	+07	-10	-10	-1	Z	0	b	*	27	-13	-		
Stockholm ...	29.91	4	N	2	b	29.99	+08	-2	-3	+4	NW	2	bc	*	12	-9	-		
Wisby ...	29.87	9	N	2	b	29.95	+09	14	13	+8	NE	4	bc	*	19	3	-		
Bodö ...	29.84	25	E	2	S	29.85	00	25	24	+4	ESE	4	S	2	27	19	-		
Christiansund...	29.90	21	S	1	b	29.95	+11	23	22	+1	ESE	1	b	1	28	19	-		
Skudesnaes ...	29.89	22	E	3	b	29.94	+11	21	18	-2	ESE	1	b	2	30	?	-		
Christiania Fjord (Fjorder)	29.97	16	NNE	2	b	30.03	+08	10	9	+2	NNE	4	b	0	16	7	-		
Skagen (The Scaw)	29.91	11	E	4	b	29.96	+09	10	9	-2	E	4	bc	0	14	9	-		
Fanö ...	29.70	19	E	6	0	29.69	+02	17	17	-1	ESE	6	0	*	21	16	-		
BRITISH ISLANDS.																			
Sumburgh Head	29.78	30	SE	3	0	29.88	+18	29	28	-1	SE	3	0	4	32	27	0.01		
Stornoway ...	29.60	33	E	6	bc	29.77	+14	33	32	-1	SE	6	bc	6	27	29	-		
Wick ...	29.67	31	SE	7	0	29.84	+16	31	31	-1	SE	5	0	8	32	29	0.04		
Nairn ...	29.62	30	E	4	c	29.80	+18	27	26	-4	SE	1	0	1	?	26	-		
Aberdeen...	29.62	31	ESE	7	0	29.80	+18	29	29	-2	ESE	5	sp	6	32	28	0.01		
Leith ...	29.47	32	E	5	S	29.71	+24	29	29	-4	E	6	sp	*	33	28	0.11		
Shields ...	29.34	32	E	7	S	29.61	+27	30	29	-4	NE	4	0	8	34	27	0.40		
Spurn Head ...	29.26	36	SSE	2	c	29.42	+16	32	31	-5	NNE	6	S	5	42	31	0.19		
York ...	29.25	36	E	1	m	29.53	+28	30	30	-5	N	2	S	*	37	30	0.46		
Loughborough	29.25	39	NW	1	c	29.45	+20	33	31	-1	NNE	3	ogh	*	45	32	0.02		
GERMANY.																			
Ardrossan ...	29.38	33	ESE	7	c	29.77	+39	30	29	-4	N	3	cm	1	36	29	-		
Malin Head ...	29.41	35	NE	5	0	29.73	+32	32	32	-5	NE	4	0	4	38	32	-		
Mullaghmore ...	29.37	38	NE	7	om	29.71	+34	35	33	-4	NE	6	0	5	40	34	-		
Belmullet ...	29.39	39	NE	5	0	29.75	+36	37	34	-2	E	4	b	*	41	36	-		
Donaghadee ...	29.32	35	E	7	bc	29.67	+35	34	33	-2	E	7	bc	6	38	33	0.01		
Barrow-in-Furness	29.23	33	NE	3	S	29.60	+37	30	30	-5	NE	4	bc	*	35	29	0.58		
Liverpool (Bidston)	29.23	39	W	1	c	29.52	+29	33	30	-1	ESE	4	c	3	42	33	-		
Holyhead ...	29.21	38	Z	0	c	29.54	+33	35	33	-2	ESE	5	cq	4	42	33	0.32		
Parsonstown ...	29.26	38	NE	2	0	29.65	+39	33	31	-1	NNE	1	0	*	43	32	0.02		
Valencia ...	29.23	42	NNE	5	cm	29.64	+41	37	33	-3	ESE	5	cq	5	44	36	0.09		
Roche's Point...	29.19	39	NNE	2	bc	29.86	+67	36	34	-3	NNE	6	c	4	44	34	0.03		
Pembroke ...	29.22	37	SE	3	T	29.44	+22	35	33	-4	NE	4	bc	2	43	32	0.09		
Scilly ...	29.23	40	SW	4	cp	29.37	+14	41	39	0	NNE	6	chq	5	48	37	0.21		
Prawle Point ...	29.20	41	SW	3	c	29.33	+13	34	33	-4	N	4	0	3	47	28	0.02		
Jersey ...	29.24	40	S	3	cqm	29.33	+09	39	36	-3	WSW	2	bm	2	51	33	0.20		
Hurst Castle ...	29.25	42	SSW	1	bc	29.36	+10	37	37	-4	NNE	3	c	2	46	35	0.03		
Dungeness ...	29.26	41	WSW	3	c	29.33	+07	35	35	-6	NW	2	T	2	46	34	0.15		
London ...	29.25	44	SSW	1	bc	29.36	+10	35	34	-6	N	3	ods	*	52	35	0.06		
Oxford ...	29.26	38	SW	2	bc	29.41	+15	35	34	-4	NNE	3	0	*	49	34	0.02		
Cambridge ...	29.26	42	NW	1	b	29.40	+14	34	33	-6	N	2	0	*	50	32	-		
Yarmouth ...	29.25	38	S	2	bc	29.31	+05	33	32	-3	NNE	4	omts	5	39	30	0.16		
Cuxhaven ...	29.61	23	ESE	8	S	29.44	-17	20	19	-1	ESE	8	0	*	23	17	-		
Berlin ...	29.67	19	E	5	0	29.68	+06	11	10	0	E	5	0	*	23	10	-		
Wiesbaden ...	*	*	*	*	*	29.41	+02	42	41	+5	Z	0	0	*	50	?	0.20		
Munich ...	29.41	38	E	3	0	29.48	+07	41	39	-2	SW	4	c	*	48	34	-		
FRANCE & NETHERLANDS.																			
The Helder ...	29.42	29	ESE	4	S	29.24	-18	30	30	+3	E	4	0	3	30	27	0.32		
Brussels ...	*	*	*	*	*	29.31	-05	39	37	-2	SW	5	0	*	52	39	0.28		
Cape Gris Nez...	29.26	40	SW	3	b	29.27	+05	36	36	-5	NW	4	T	3	45	36	0.16		
Paris ...	29.33	45	S	1	c	29.38	-02	39	37	-4	S	3	0	*	52	37	0.20		
Brest ...	29.30	44	W	4	0	29.32	-01	36	35	-4	NNE	1	0	5	50	34	-		
Lorient ...	29.32	42	NW	5	c	29.29	-02	39	38	-4	ESE	3	0	5	50	37	0.20		
Rochefort ...	29.49	49	WSW	7	b	29.37	-07	43	41	-4	SW	7	0	3	55	37	0.16		
Belfort ...	29.41	43	W	1	T	29.46	-06	49	46	+6	SW	1	bc	*	49	40	0.47		
Lyons ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Nice ...	29.45	50	ESE	1	T	29.49	-04	45	43	-5	E	1	b	2	61	41	0.24		
Perpignan ...	29.50	53	W	3	0	29.52	-02	42	41	+1	NW	3	c	*	60	41	-		
Biarritz ...	29.58	52	W	5	b	29.49	+01	47	44	-5	NW	11	T	4	59	43	0.24		
PENINSULA.																			
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Lisbon ...	29.89	55	WSW	5	0	29.66	-14	47	47	-8	NNE	4	T	4	59	46	0.51		

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Friday, 16th March 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.

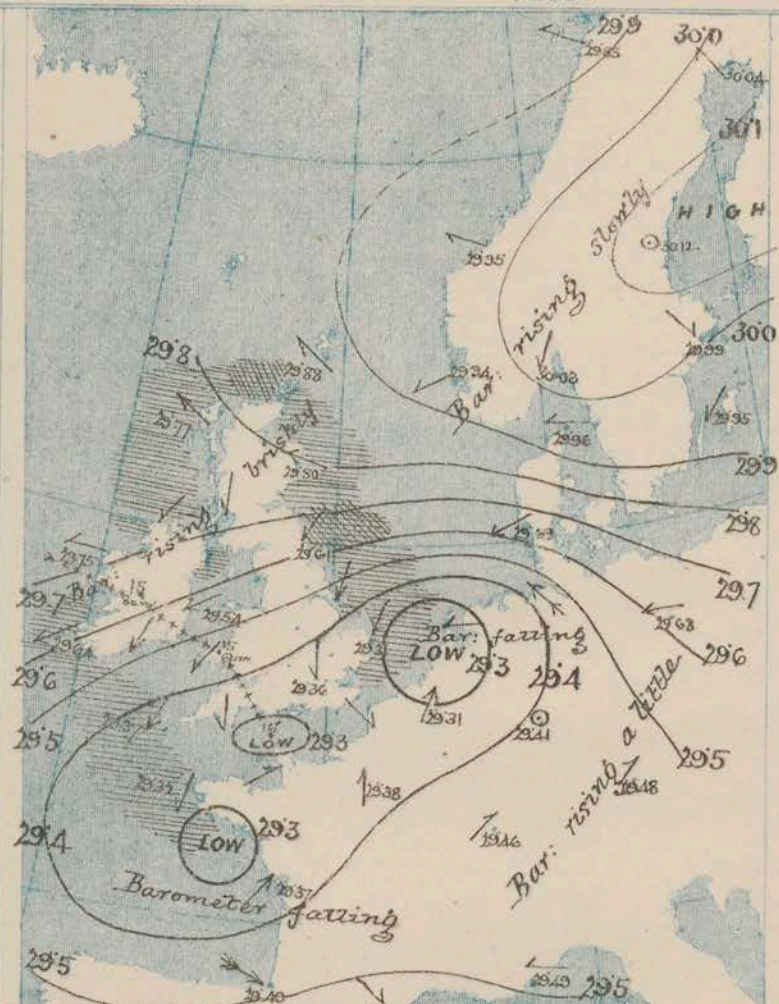
Sea Disturbance — where considerable is shown thus.

▨ = Rough ▨ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head.	29.751
Stornoway.	29.779
Wick.	29.797
Nairn.	29.815
Aberdeen.	29.830
Leith.	29.862
Shields.	29.890
York.	29.925
Loughborough.	29.948
Ardrossan.	29.876
Donaghadee.	29.892
Holyhead.	29.919
Liverpool.	29.925
Parsonstown.	29.940
Valencia.	29.938
Roche's Point.	29.941
Pembroke.	29.944
Scilly.	29.966
Jersey.	29.971
Hurst Castle.	29.966
Dover.	29.955
LONDON.	29.967
Oxford.	29.966
Cambridge.	29.957
Yarmouth.	29.938



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

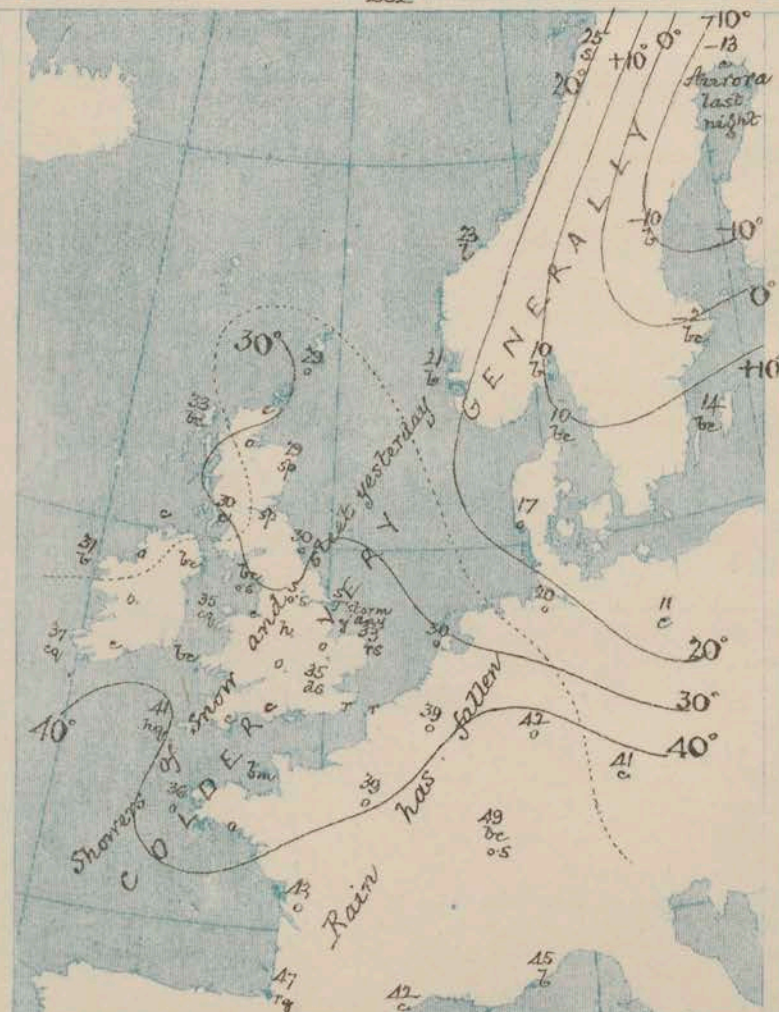
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 3 a.m.		
			Dry	Wet	
Sumburgh Head	42.6	34.0	38.5	37.1	2.92
Stornoway	44.9	34.4	39.2	38.0	3.87
Wick	44.7	33.9	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	36.3	1.72
Aberdeen	45.4	34.7	38.9	36.8	2.24
Leith	48.2	34.6	39.7	37.9	1.36
Shields	45.9	35.4	39.6	38.0	1.60
York	48.9	33.7	38.6	37.1	1.63
Loughborough	49.8	34.3	39.5	37.7	1.47
Ardrossan	49.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.0	39.7	1.99
Holyhead	47.6	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	39.5	42.0	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.9	40.5	44.7	42.7	2.32
Hurst Castle	48.3	37.7	41.6	40.7	1.80
Dover	46.9	37.8	41.6	39.9	1.86
LONDON	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	33.3	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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 in. to 30.12 ins. over the Central and northern parts of Scandinavia.
 Lowest, { 29.6 in. and less over the western parts of the Spanish Peninsula
 becoming steep, for E. squids over the North Sea, moderate over the British Isles, as
 Barometer rising decidedly over the northwestern and northern parts of our Islands, falling over the west coast of Spain and France.

TEMPERATURE

Highest 47° at Lisbon, 46° at Nice, 43° at Rochefort, 42° at Marseilles, 41° at Munich.
 Lowest -13° at Haparanda -2° at Stockholm, +10° at Lander and the Leau, 11° at Berlin, 20° at Copenhague, 27° in Scotland.
 It is now below 40° again in all parts of our Islands and the north of France; Berlin is no less than 31° colder than Marseilles today.

WIND

{ NE³ strong over the British Isles and North Sea. SE³ in the north.
 { SW³ to W³ over the southwest of France (blowing very hard in a squall at Biscay.)

WEATHER

Clear at nearly all the Scandinavian stations, dull elsewhere.
 Sleet showers prevail in many parts of Great Britain, rain at Biscay and in the Strait of Dover.
 A thunderstorm occurred at Spinn Head last night.

SEA

{ High in the northeast, rough on our coast, and east coasts generally, slight at present in the Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the southeast is apparently growing deeper, and as the barometer still rises in the north and northwest it is probable that NE³ gales will set in on our east and north east coasts shortly, and perhaps spread over the greater part of England, with more snow and sleet.

FORECASTS

for the 24 hours ending at NOON on 17th March. 1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	E ² Winds, moderate; some snow.
1	SCOTLAND EAST	----- D° ----- D° ----- D° -----
2	ENGLAND N.E.	NE ³ Winds, strong to a gale; snow showers.
3	ENGLAND EAST	----- D° ----- D° ----- D° -----
4	MIDLAND COUNTIES	Same as No 5
5	ENGLAND SOUTH	NE ³ Winds, fresh to strong; sleet at times.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NE ³ Winds, cold but fair.
7	ENGLAND N.W.	NE ³ Winds, strong, squally, snow showers.
8	ENGLAND S.W.	Same as No 4 and 5.
9	IRELAND NORTH	NE ³ Winds, strong to a gale in E. moderate in W.; some cold showers.
10	IRELAND SOUTH	----- D° ----- D° ----- D° -----
WARNINGS		The N. cone is still up in districts 7 and 9, and has been hoisted this morning in districts 2 and 3.

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 ...	29.87	30	24	ESE 4	6	3	Holyhead ...	29.15	40	39	SW 4	CS p	4
Sumburgh Head ...	29.74	31	30	SE 5	OSP	7	Valencia ...	29.44	44	41	N 4	CS p	5
Stornoway ...	29.51	35	34	E 7	0	6	Scilly ...	29.19	46	42	WSW 4	c	4
Aberdeen ...	29.57	32	32	ESE 7	OSP	7	Dungeness ...	29.25	45	44	WSW 4	bc	3
Shields ...	29.30	32	32	ESE 8	TS p	8	London ...	29.25	50	48	SW 2	bc	*
Ardrossan ...	29.32	35	32	ESE 7	c	4	Yarmouth ...	29.24	39	38	S 3	cm	4
Malin Head ...	29.27	37	35	E 5	0	3	Jersey ...	29.27	48	44	SSE 2	c	3
Mullaghmore ...	29.25	39	37	NE 7	om	5	Rocheport ...	29.17	53	50	W 5	b	2
Belmullet ...	29.27	40	37	NE 5	0	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that areas of high pressure, 29.9 ins: and upwards, were lying respectively over Sweden and Northumberland, and over Algeria and the eastern portion of the Mediterranean. The lowest readings, 29.1 ins: and less, were found in a well defined depression which lay over Ireland, but a large area of low readings, 29.7 ins: and less, was also reported over Central Russia. With these conditions moderate breezes from between N and E were reported over Northern Europe, and SW breezes over all the more southern parts of the Continent, but in the north and east of the British Isles the wind blew a gale from the SE^{wd}, with a very high sea on the coasts. Snow was falling over all the northern and eastern parts of our islands, and rain at several of the French stations, but elsewhere the weather though dull in places was mostly fair. Temperature had risen a little in Italy and some parts of Germany, Russia and France, but fallen elsewhere, readings ranged from between 55° and 65° over Spain, Italy, and Algeria, to several degrees below zero over Sweden and Northumberland. The highest individual readings were 65° at Palermo, 64° at Cagliari and Trieste, 62° at Barcelona, 60° at Malta, La Belle and Algiers, 59° at Tiflis, 56° at Sanghane, and 55° at Naples; the lowest were -17° at Archangel, -12° at Uleaborg, -10° at Riga, -9° at Mennel, Hernösand and Hango, -8° at Apatanda, -7° at Kuopio, -6° at Stockholm, -4° at Helsingfors, and +3° at Newfoundland and Warsaw.

In the course of the day the depression over Ireland moved southward and gradually filled up. The SE^{wd} falls on our northern coasts therefore moderated, with some improvement in the weather. Over the southern part of the United Kingdom fine mild weather was experienced during the greater part of the day.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 6 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, 17th March 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. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.	<i>In.</i>	<i>°</i>				<i>In.</i>	<i>In.</i>	<i>°</i>	<i>°</i>	<i>°</i>					<i>°</i>	<i>°</i>	<i>In.</i>		
	Haparanda ..	30.09	-5	Z	0	c	30.13	+0.09	-8	-8	+5	Z	0	b	*	0	-15	-	
	Hernösand ...	30.17	-4	Z	0	b	30.26	+1.14	-6	-7	+14	Z	0	c	*	25	-15	-	
	Stockholm ...	30.11	6	N	2	b	30.17	+1.8	1	0	+3	Z	0	b	*	19	-4	-	
	Wisby ...	30.05	10	E	2	b	30.08	+1.3	13	12	-1	E	4	b	*	23	5	-	
	Bodö ...	29.95	28	E	2	b	29.99	+1.4	22	21	-3	E	2	b	1	30	?	-	
	Christiansund...	29.99	22	Z	0	b	30.02	+0.7	21	19	-2	SE	1	b	1	30	18	-	
	Skudesnaes ...	29.99	25	E	3	b	30.08	+1.4	26	21	+5	E	2	b	3	?	21	-	
	Christiania Fjord (Fjorder)	30.07	23	NNE	3	b	30.15	+1.2	11	10	+1	N	3	b	1	23	10	-	
	Skagen (The Scaw)	30.00	17	E	5	b	30.07	+1.1	12	11	+2	E	4	c	0	18	10	-	
Fanö ...	29.71	21	E	8	0	29.80	+1.1	22	21	+5	E	7	c	*	?	?	-		
BRITISH ISLANDS.	Sumburgh Head	29.92	29	SSE	2	c	29.92	+0.4	33	31	+4	SSE	3	0	4	33	29	-	
	Stornoway ...	29.83	35	S	3	0	29.85	+0.8	37	37	+4	SE	5	c	4	37	31	0.02	
	Wick ...	29.92	32	S	3	0	29.96	+1.2	33	32	+2	SW	6	0	5	37	29	-	
	Nairn ...	29.89	33	E	1	b	29.94	+1.4	28	26	+1	Z	0	S	1	36	19	-	
	Aberdeen...	29.89	31	E	3	0	30.02	+1.22	28	27	-1	W	1	c	4	34	25	0.01	
	Leith ...	29.85	31	E	4	c	30.00	+1.29	26	26	-3	NW	1	c	*	32	24	0.01	
	Shields ...	29.74	30	NE	4	og	29.91	+1.30	33	33	+3	NNE	3	0	7	33	28	0.06	
	Spurn Head ...	29.52	31	N	8	0	29.74	+1.32	32	31	0	N	7	osp	7	35	29	-	
	York ...	29.66	30	N	2	c	29.88	+1.55	31	30	+1	N	3	S	*	35	28	0.01	
	Loughborough	29.62	30	N	4	0	29.85	+1.40	30	29	-3	N	3	S	*	34	28	0.01	
GERMANY.	Ardrossan ...	29.88	32	NNE	2	b	30.02	+1.25	27	27	-3	E	1	om	0	33	25	-	
	Malin Head ...	29.89	33	NE	1	b	29.95	+1.22	32	32	0	S	3	osp	1	36	29	-	
	Mullaghmore ...	29.88	36	NE	4	b	30.00	+1.29	35	33	0	E	1	0	1	37	29	-	
	Behnullet ...	29.92	38	E	3	0	30.01	+1.26	41	41	+4	SE	3	0	*	41	38	0.11	
	Donaghadee ...	29.85	33	NE	7	b	30.03	+1.36	33	33	-1	NE	4	b	3	35	31	-	
	Barrow-in-Furness	29.74	30	NE	3	b	29.94	+1.34	32	31	+2	N	4	b	*	33	28	-	
	Liverpool (Bidston)	29.74	31	NNE	3	c	29.95	+1.43	32	30	-1	NW	3	c	3	35	30	-	
	Holyhead ...	29.77	32	NNE	6	c	29.99	+1.45	34	31	-1	NNE	5	c	5	36	31	0.01	
	Parsonstown ...	29.87	34	NW	2	c	30.06	+1.41	27	26	-6	Z	0	b	*	37	24	-	
	Valencia ...	29.89	39	NNE	5	b	30.09	+1.45	37	35	0	NNE	1	c	1	42	31	0.01	
FRANCE & NETHERLANDS.	Roche's Point...	29.82	38	NNE	5	b	30.06	+1.50	33	32	-3	N	2	em	3	43	30	-	
	Pembroke ...	29.71	35	NNE	3	b	29.96	+1.52	35	32	0	N	4	b	3	40	32	-	
	Scilly ...	29.66	41	NNE	7	og	29.96	+1.59	39	36	-2	N	7	c	5	44	37	0.01	
	Prawle Point ...	29.62	35	NNE	3	0	29.90	+1.52	34	31	0	N	5	b	3	43	23	-	
	Jersey ...	29.55	39	N	3	og	29.82	+1.49	35	34	-4	N	4	og	3	44	34	-	
	Hurst Castle ...	29.55	35	NNE	4	c	29.80	+1.44	31	31	-6	N	6	c	2	42	30	-	
	Dungeness ...	29.45	34	N	4	0	29.62	+1.29	32	31	-3	NW	5	S	3	39	30	0.05	
	London ...	29.53	32	N	4	osp	29.72	+1.36	31	30	-4	N	5	ogs	*	37	29	0.02	
	Oxford ...	29.63	40	N	4	0	29.83	+1.42	30	28	-5	NW	4	c	*	36	29	-	
	Cambridge ...	29.54	31	N	3	0	29.76	+1.36	31	30	-3	N	3	S	*	35	28	0.03	
PENIN. ISLS.	Yarmouth ...	29.39	31	NW	5	sg	29.65	+1.34	32	31	-1	NNE	6	og	6	33	29	0.12	
	Cuxhaven ...	29.56	23	SE	8	S	29.64	+1.20	23	22	+3	E	8	S	*	23	20	?	
	Berlin ...	29.67	22	E	5	0	29.72	+1.04	20	19	+9	E	5	0	*	25	18	-	
	Wiesbaden ...	*	*	*	*	*	29.50	+1.09	40	38	-2	Z	0	0	*	52	37	0.24	
	Munich ...	29.43	40	E	3	b	29.47	-0.1	38	37	-3	NW	3	0	*	50	32	-	
	The Helder ...	29.39	33	S	1	f	29.56	+1.32	26	25	-4	NE	4	S	3	37	25	0.12	
	Brussels ...	*	*	*	*	*	29.52	+1.21	33	32	-6	S	1	S	*	42	32	-	
	Cape Gris Nez...	29.43	34	N	5	0	29.52	+1.25	33	33	-3	N	2	S	6	39	32	0.04	
	Paris ...	29.41	39	SSW	1	0	29.64	+1.26	35	30	-6	NW	3	S	*	41	32	0.04	
	Brest ...	29.60	32	NE	5	r	29.90	+1.58	35	33	-1	NNE	7	0	5	50	32	0.20	
PENIN. ISLS.	Lorient ...	29.56	42	NNE	5	0	29.81	+1.52	36	32	-3	NNE	7	0	4	48	36	-	
	Rochefort ...	29.42	44	NW	5	0	29.79	+1.42	39	36	-4	N	7	0	2	52	34	-	
	Belfort ...	29.46	41	SW	1	0	29.50	+1.04	41	40	-8	NW	1	0	*	54	34	-	
	Lyons ...	29.47	45	SW	3	c	29.52	+1.04	37	36	-8	W	1	r	*	56	35	0.12	
	Nice ...	29.50	50	W	1	0	29.38	-1.1	42	42	-3	E	1	b	1	59	39	0.43	
	Perpignan ...	29.49	50	N	3	0	29.60	+1.08	45	38	+3	NW	5	b	*	60	42	0.12	
	Biarritz ...	29.55	50	W	11	c	29.75	+1.26	38	37	-9	SE	4	0	2	55	36	0.20	
	Coruna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	29.82	50	NW	4	b	30.02	+1.36	46	42	-1	N	5	b	4	55	43	0.08	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Saturday, 17th March

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.

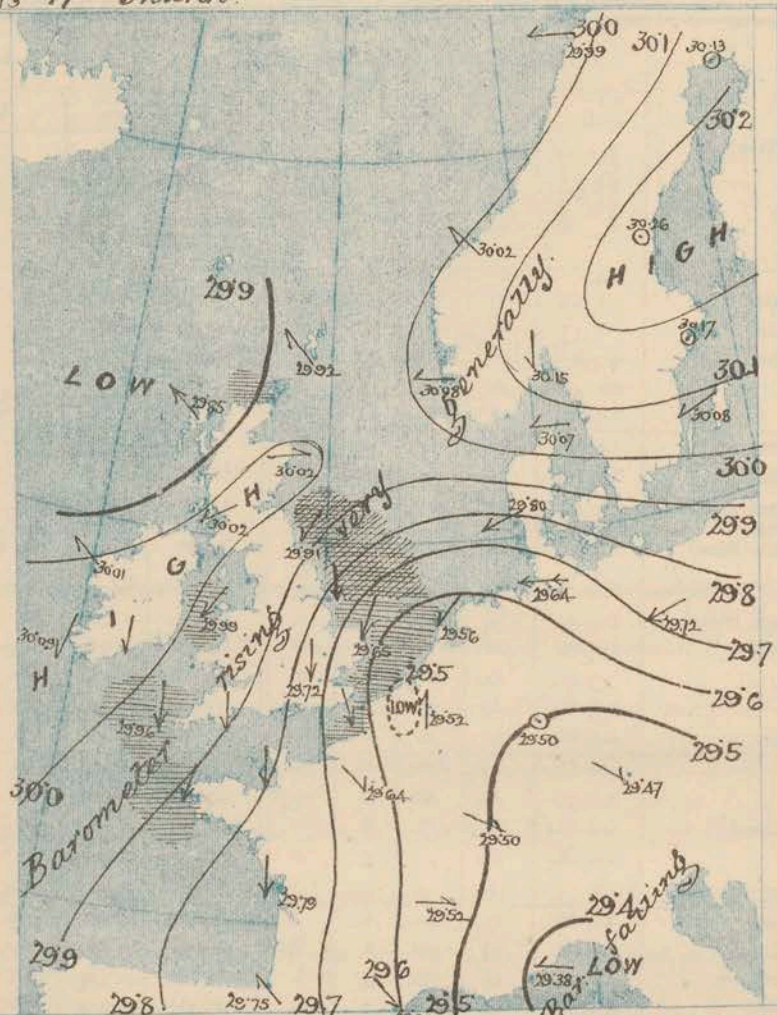
Sea Disturbance — where considerable is shown thus.

— = Rough. — = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.751
Stornoway	29.779
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.862
Shields	29.896
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.910
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.966
Dover	29.955
LONDON	29.967
Oxford	29.966
Cambridge	29.957
Yarmouth	29.938



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

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

Weather — is shown by letters of the Beaufort Scale.

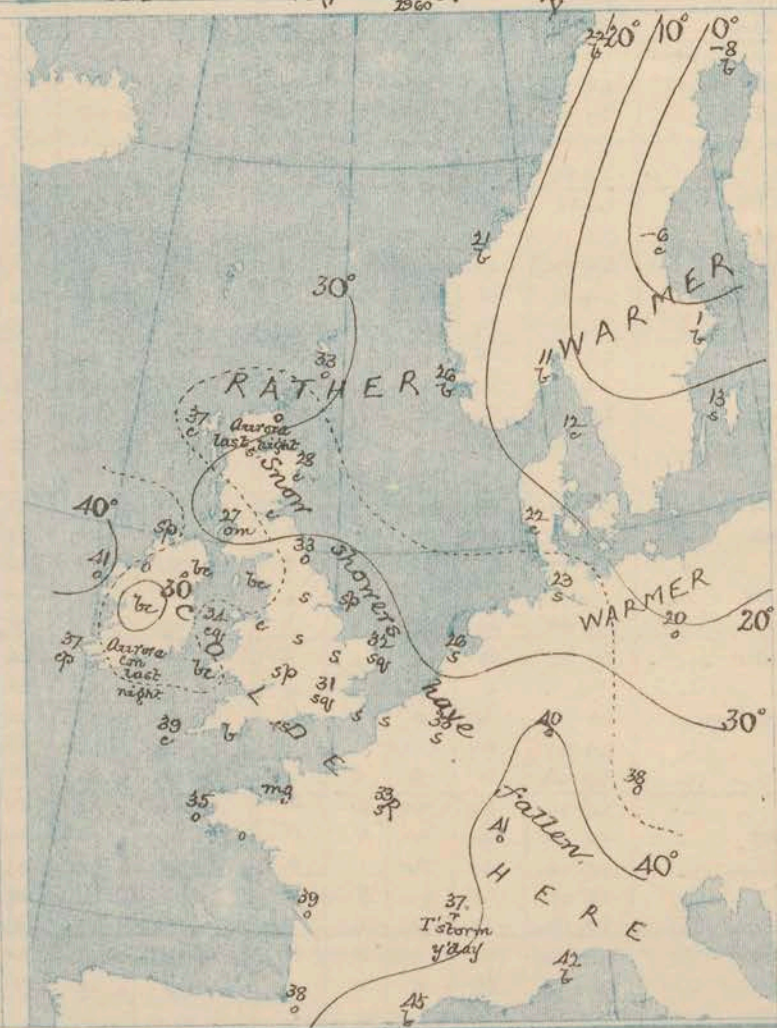
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of March.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.6	34.0	38.5	37.1	2.92
Stornoway	44.9	34.4	39.2	38.0	3.87
Wick	44.7	33.9	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	36.3	1.72
Aberdeen	45.4	34.7	38.9	36.8	2.24
Leith	48.2	34.6	39.7	37.9	1.36
Shields	45.9	35.4	39.6	38.0	1.60
York	48.9	33.7	38.6	37.1	1.63
Loughborough	49.8	34.3	39.5	37.7	1.47
Ardrossan	46.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.0	39.7	1.99
Holyhead	47.6	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	39.5	42.6	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.9	40.5	44.7	42.7	2.32
Hurst Castle	48.3	37.7	41.6	40.7	1.80
Dover	46.9	37.8	41.6	39.9	1.86
LONDON	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	35.2	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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 Gulf of Bothnia; 30 ins. and upwards in a narrow ridge extending north-eastwards from the Atlantic across Ireland and the South and East of Scotland. Lowest, 29.4 ins. and less, in a depression lying over the Gulf of Genoa, 29.5 ins. and less in a large area lying over South Germany, Switzerland, and the South of France. Gradients rather steep over the North Sea and over East coast. Barometer rising generally, but change slackening in northwest. (and the South of France)

TEMPERATURE

Highest, 46° at Lisbon, 45° at Perpignan, 42° at Nice, 41° at Belmullet and Belfast and 40° at Wiesbaden. Lowest, -8° at Haparanda, -6° at Helsingfors, +1° at Stockholm, 11° at Jämskär, 12° at Kopenhagen, 13° at Nisby, and 20° at Berlin. The maxima registered yesterday were below 40° on all but our extreme south and southwest coasts.

WIND

Strong N^W over England; the west and north of France, moderate W^W or NW^W over South Germany and the East of France. E^W gales in the south of Denmark; moderate SE^W winds on our extreme north and northwest coasts. A fresh gale from the N^W was experienced last night on the east coast of England.

WEATHER

Fine in Scandinavia and the extreme south of France, but cloudy or overcast elsewhere. Snow showers are falling over the greater part of England and continuous snow over the Northlands. Aurora was seen last night at Hohenkops and Nain.

SEA

off the East of England, and rather rough on exposed parts of our western and extreme northern coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The complete area of low pressure noticed yesterday off our south and south-east coasts has moved eastward and partially filled up. The barometer has therefore risen generally—briskly over England and the west of France.

On our extreme northwest coasts, however, the rise appears to be slackening considerably, and as the wind there is shifting to the southward it is probable that another depression is advancing from the Atlantic.

The general appearance remains very unsettled.

FORECASTS

For the 24 hours ending at NOON on 18th March 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SE ^W winds, increasing in force; dull, some snow	6 { SCOTLAND WEST	Same as N°1
1 { SCOTLAND EAST	Variable breezes; finally S ^W ; unsettled, some snow.	7 { ENGLAND N. W.	Same as N°2
2 { ENGLAND N. E.	NW ^W to W ^W winds, moderate; unsettled, some snow showers. Very cold at night.	8 { ENGLAND S. W.	N ^W to NW ^W winds, fresh or strong, unsettled, some snow showers.
3 { ENGLAND EAST	Same as N°5	9 { IRELAND NORTH	S ^W winds, freshening; unsettled, some rain or sleet.
4 { MIDLAND COUNTIES	Same as N°2	10 { IRELAND SOUTH	Wind backing to W. or SW. and freshening; unsettled, some rain or sleet.
5 { ENGLAND SOUTH	N ^W winds, strong, to NW ^W , moderate; some snow showers at first then finer. Very cold at night.	WARNINGS	The NORTH CONE is still flying in districts 2 and 3.

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 ...	29.97	31	24	NE W 4	b	2	Holyhead ...	29.69	35	32	NNE 6	sm gyp	5
Sumburgh Head ...	29.92	30	29	SE 2	c	4	Valencia ...	29.81	42	37	N 5	bem	5
Stornoway ...	29.83	37	37	SE 4	bc	4	Scilly ...	29.55	43	40	NNE 6	c	4
Aberdeen ...	29.86	32	32	SE 3	sp	5	Dungeness ...	29.38	35	34	N 3	o	2
Shields ...	29.68	30	30	SE 4	sp	8	London ...	29.46	35	33	N 4	ogs	*
Ardrossan ...	29.81	33	32	E NE 4	c	2	Yarmouth ...	29.35	31	30	N 5	osp	6
Malin Head ...	29.85	35	34	NE 2	o	2	Jersey ...	29.42	43	40	NNE 3	o	3
Mullaghmore ...	29.84	37	34	NE 5	c	2	Rocheport ...	29.39	52	49	W 5	c	2
Belmullet ...	29.82	41	36	NE 3	bc	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that while the highest pressures of all, 30.1 in. and upward, were lying over the southern part of the Gulf of Bothnia, areas of high readings existed over Scandinavia and the Baltic, and also over Central Russia. To the southwards and southeastwards of our Islands there was a long trough of low pressure, with three distinct minima, - one lying over Holland, another over the English Channel, and the third over the West of France. E. or NE winds prevailed over the whole of northern and northwestern Europe, and over our Islands and the North Sea they blew very strongly. Over the more southern countries however, the wind was chiefly SW. Snow or sleet showers were falling in many parts of England, as well as in some parts of Scandinavia and Russia, and rain at several of the French stations, but elsewhere the weather, though cloudy, was mostly fair. Temperature had risen a little in Germany, Italy, and some parts of Russia, but fallen elsewhere: readings ranged from between 55° and 65° at the Italian, Algerian and some of the Spanish stations, to 10° or more below zero over Central and Northern Russia. The highest individual readings were 64° at Baghizi, 62° at Palermo, 61° at Algiers, 60° at La Calle, 54° at Brindisi, 56° at Barcelona and 55° at Rome, Nemours, Tunis and Annale; the lowest were -21° at Archangel, -16° at Uleaborg, -13° at Naparanda and Moscow, -11° at Kermisand, -9° at Riga, -3° at Kuopio, -2° at Stockholm, 0° zero at Warsaw and +1° at Memel.

In the course of the day the depressions to the southward and southeastward of our Islands moved gradually eastwards, and partially dispersed. The barometer therefore rose generally, but strong NE. or N. winds continued over England, with showers of snow at times.

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 21 per annum, payable in advance.

DAILY WEATHER REPORT.

for Sunday 18th March. 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. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sec. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ..	30.23	-8	Z	0	b	30.32	+ .19	-14	-15	- 6	2	0	b	*	10	-12	-		
Hernösand ...	30.35	-2	Z	0	b	30.43	+ .17	-6	-6	0	2	0	b	*	28	-13	-		
Stockholm ...	30.25	9	N	2	b	30.33	+ .16	4	4	+ 3	2	0	b	*	21	-4	-		
Wishby ...	30.17	11	ENE	2	b	30.23	+ .15	13	12	0	ENE	4	b	*	21	5	-		
Bodö ...	30.08	26	E	2	b	30.15	+ .16	24	20	+ 2	ESE	4	0	2	30	19	-		
Christiansund...	30.10	28	SE	4	0	30.30	+ .28	31	30	+ 10	WNW	3	s	3	?	?	-		
Skudesnaes ...	30.24	23	ENE	1	b	30.36	+ .28	26	23	0	E	3	s	3	36	23	-		
Christiania Fjord (Færdar)	30.23	24	NNE	2	b	30.35	+ .20	12	11	+ 1	N	2	b	1	24	10	-		
Skagen (The Scaw)	30.25	18	ENE	3	b	30.30	+ .23	15	14	+ 3	NE	3	b	0	19	12	-		
Fanö ...	30.07	22	ENE	6	0	30.19	+ .39	17	15	- 5	NE	6	b	*	22	16	-		
BRITISH ISLANDS.																			
Sumburgh Head	30.08	24	W	1	bc	30.36	+ .44	35	33	+ 2	N	1	c	2	35	27	0.05		
Stornoway ...	30.09	41	E	2	b	30.34	+ .49	34	33	- 3	2	0	bc	2	45	37	0.15		
Wick ...	30.11	24	NW	3	bc	30.38	+ .42	36	34	+ 3	NW	1	bc	3	38	26	0.03		
Nairn ...	30.12	35	Z	0	0	30.37	+ .43	28	26	0	2	0	b	1	36	25	0.04		
Aberdeen...	30.13	24	S	1	c	30.40	+ .38	31	30	+ 3	SSW	1	b	3	39	27	-		
Leith ...	30.14	36	WNW	1	c	30.36	+ .36	32	32	+ 6	W	1	cm	*	38	25	-		
Shields ...	30.12	24	NE	2	0	30.32	+ .41	33	33	0	NE	3	0	5	35	31	-		
Spurn Head ...	29.99	33	NNE	5	0	30.25	+ .51	32	31	0	NE	6	og	5	34	30	-		
York ...	30.08	24	N	2	0	30.31	+ .43	33	32	+ 2	NNE	1	0	*	35	30	-		
Loughborough	30.06	33	N	4	0	30.27	+ .42	31	28	+ 1	NNE	3	0	*	35	30	-		
GERMANY.																			
Ardrossan ...	30.13	36	N	1	b	30.37	+ .35	34	32	+ 7	ENE	1	omv	1	37	26	-		
Malin Head ...	30.10	43	NW	2	b	30.33	+ .38	35	33	+ 3	SSE	2	dmv	1	44	32	0.01		
Mullaghmore ...	30.11	44	Z	0	cm	30.32	+ .32	37	36	+ 2	E	2	b	2	46	33	-		
Beltmullet ...	30.12	46	S	3	b	30.30	+ .29	38	38	- 3	E	3	b	*	49	34	0.05		
Donaghadee ...	30.16	36	SSW	1	bc	30.36	+ .33	36	33	+ 3	NE	2	b	0	37	32	-		
Barrow-in-Furness	30.12	34	NNE	2	b	30.32	+ .38	33	31	+ 1	NE	1	bc	*	39	29	-		
Liverpool (Bidston)	30.12	33	NNE	2	bc	30.32	+ .37	32	30	0	NNE	1	b	3	37	29	-		
Holyhead ...	30.13	36	NNE	4	c	30.32	+ .33	33	30	- 1	NE	4	bc	3	37	31	-		
Parsonstown ...	30.13	43	Z	0	c	30.33	+ .27	30	29	+ 3	Z	0	bc	*	46	26	-		
Valencia ...	30.16	47	NNW	1	bcv	30.27	+ .18	41	40	+ 4	Z	0	dmv	1	53	34	-		
Roche's Point...	30.13	43	W	1	bc	30.27	+ .21	38	36	+ 5	E	2	c	3	44	32	0.01		
Pembroke ...	30.11	36	NNE	3	b	30.27	+ .31	32	29	- 3	NE	3	b	1	40	30	-		
Scilly ...	30.11	41	N	5	bc	30.20	+ .24	39	36	0	NE	5	c	4	44	37	-		
Prawle Point ...	30.07	36	N	4	c	30.20	+ .30	31	28	- 3	NE	6	bc	4	43	25	-		
Jersey ...	30.00	37	NNW	3	omv	30.13	+ .31	35	32	- 0	NNW	4	omv	3	37	34	-		
Hurst Castle ...	29.99	35	NNE	6	c	30.15	+ .35	32	32	+ 1	NNE	5	c	3	38	31	-		
Dungeness ...	29.81	34	NNE	6	0	30.02	+ .40	32	32	0	NE	6	s	4	35	30	0.01		
London ...	29.95	33	N	4	og	30.18	+ .46	31	29	0	NE	6	og	*	35	29	-		
Oxford ...	30.08	32	N	5	0	30.22	+ .39	30	29	0	N	5	og	*	36	30	-		
Cambridge ...	29.96	31	N	4	s	30.22	+ .48	31	30	0	N	3	rep	*	35	29	0.04		
Yarmouth ...	29.86	32	NNE	7	og	30.13	+ .48	30	29	- 2	NE	6	cg	6	38	28	0.05		
Cuxhaven ...	29.86	26	ENE	5	0	30.09	+ .45	23	22	0	NE	6	0	*	26	21	-		
Berlin ...	29.80	27	NNW	3	0	29.87	+ .15	19	18	- 1	NE	5	s	*	27	18	0.20		
Wiesbaden ...	*	*	*	*	*	29.80	+ .30	29	28	- 11	N	3	0	*	43	28	0.12		
Munich ...	29.54	35	W	4	r	29.49	+ .22	32	32	- 6	W	4	0	*	39	32	0.08		
FRANCE & NETHERLANDS.																			
The Helder ...	29.89	29	NE	5	0	30.10	+ .54	26	25	0	NE	7	0	4	30	25	0.04		
Brussels ...	*	*	*	*	*	29.97	+ .45	28	28	- 5	NE	3	s	*	36	27	0.04		
Cape Gris Nez...	29.86	33	NE	8	s	29.95	+ .43	31	31	- 2	ENE	9	s	7	36	30	0.20		
Paris ...	29.80	32	NNW	3	0	29.90	+ .26	32	31	- 1	N	5	0	*	37	30	0.12		
Brest ...	30.07	38	NE	7	0	30.12	+ .32	36	34	+ 1	NE	3	0	2	30	32	0.50		
Lorient ...	30.02	37	NNE	5	0	30.11	+ .30	36	32	0	NNE	5	0	4	42	30	-		
Rochefort ...	29.99	37	N	7	0	30.04	+ .25	37	?	- 2	NNW	8	0	3	41	30	-		
Belfort ...	29.89	34	SSW	1	0	29.78	+ .28	37	37	- 4	NW	1	s	*	42	34	0.12		
Lyons ...	29.84	30	NNW	3	0	29.81	+ .29	31	30	- 6	NW	4	0	*	40	30	-		
Nice ...	29.44	51	E	1	b	29.49	+ .11	42	40	0	E	1	b	1	59	34	-		
Perpignan ...	29.80	42	NW	4	0	29.87	+ .21	38	32	- 7	NNW	8	0	*	51	35	-		
Biarritz ...	29.97	42	N	11	r	29.94	+ .19	32	32	- 6	E	3	s	5	50	32	0.32		
PENINSULA.																			
Corunna ...	*	*	*	*	*	30.17	+ .12	46	44	- 3	NE	3	0	4	52	39	0.04		
Lisbon ...	30.15	49	NNW	5	b	30.16	+ .14	46	41	0	NW	4	bc	3	54	45	-		

For Explanation of Columns, see p. 4.

WEATHER

CHARTS

for 8 a.m. on

Sunday,

18th March

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.

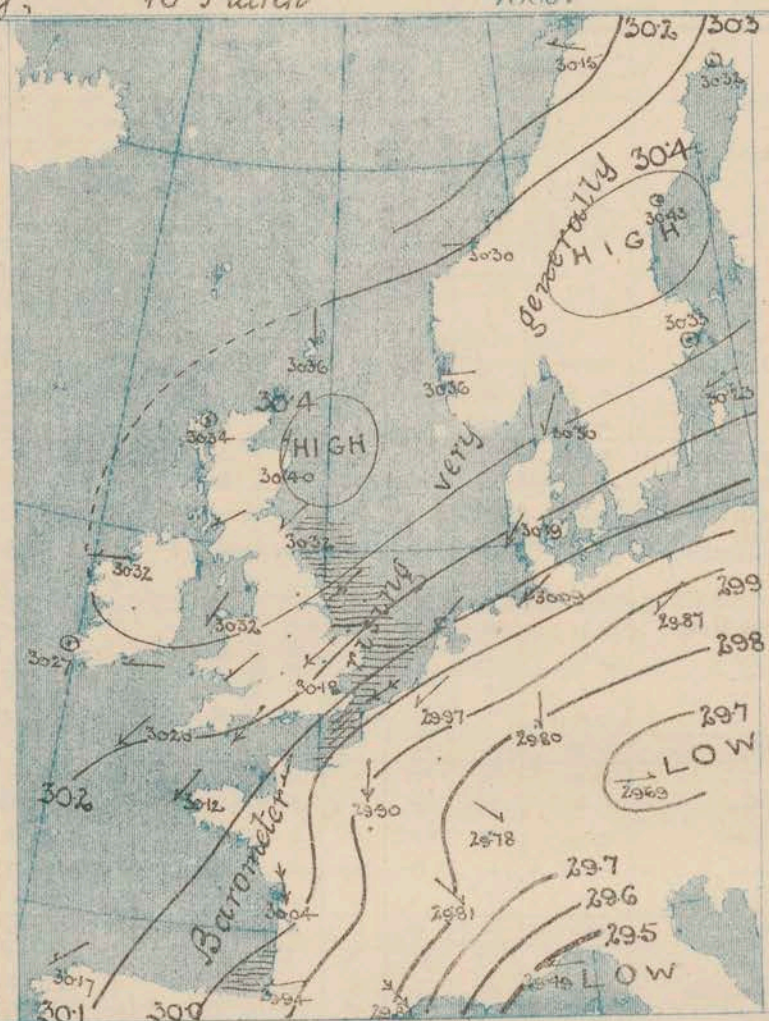
Sea Disturbance — where considerable, is shown thus.

■ = Rough ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.751
Stornoway	29.779
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.862
Shields	29.896
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.919
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.966
Dover	29.955
LONDON	29.967
Oxford	29.966
Cambridge	29.957
Yarmouth	29.938



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

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

Weather is shown by Letters of the Beaufort Scale.

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

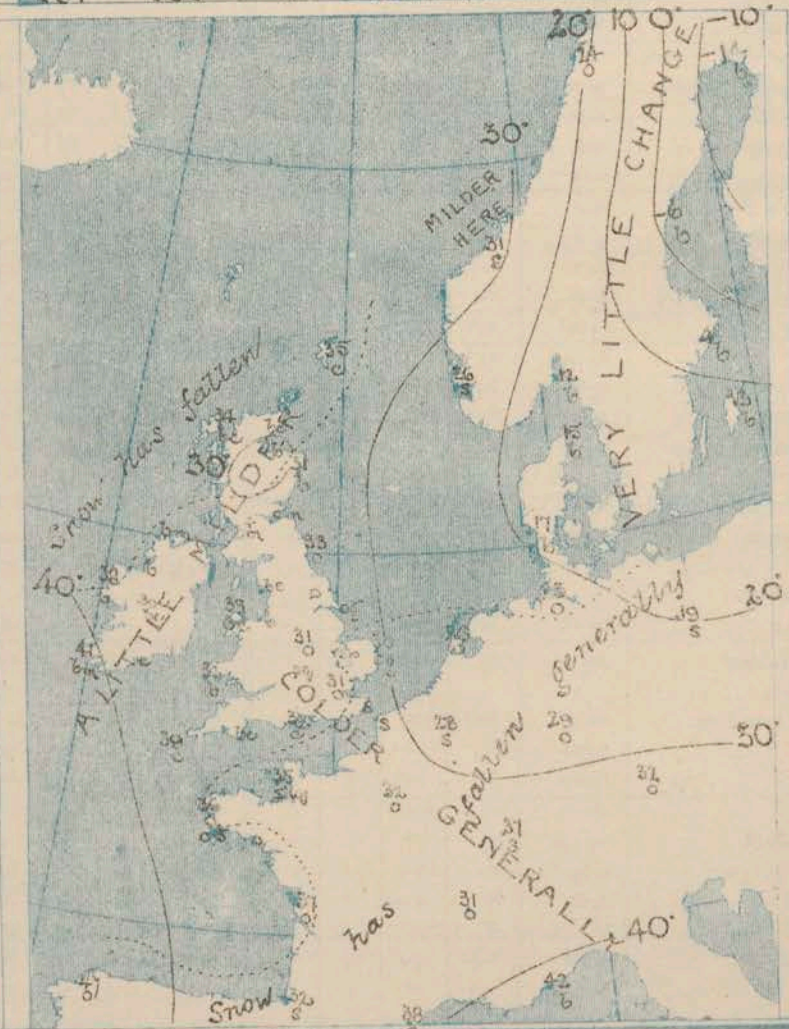
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of March.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min	at 8 a.m.		
			Dry	Wet	
Sumburgh Head.....	42.6	34.0	38.5	37.1	2.92
Stornoway.....	44.9	34.4	39.2	38.0	3.87
Wick.....	44.7	33.9	39.1	37.2	1.97
Nairn.....	45.6	34.2	38.2	36.3	1.72
Aberdeen.....	45.4	34.7	38.9	36.8	2.24
Leith.....	48.2	34.6	39.7	37.9	1.36
Shields.....	45.9	35.4	39.6	38.0	1.60
York.....	48.9	33.7	38.6	37.1	1.63
Loughborough.....	49.8	34.3	39.5	37.7	1.47
Ardrossan.....	46.8	36.6	40.5	38.7	2.59
Donaghadee.....	47.3	37.1	41.0	39.7	1.99
Holyhead.....	47.6	39.2	42.5	41.0	2.21
Liverpool.....	47.3	37.1	40.8	38.7	1.69
Parsonstown.....	50.1	35.5	41.2	39.6	2.35
Valencia.....	51.6	40.6	45.4	43.4	4.24
Roche's Point.....	50.2	40.0	43.8	42.1	3.71
Pembroke.....	47.1	39.6	42.6	40.8	2.45
Scilly.....	49.9	43.0	46.5	44.7	2.38
Jersey.....	49.9	40.5	44.7	42.7	2.32
Hurst Castle.....	48.3	37.7	41.6	40.7	1.80
Dover.....	46.9	37.8	41.6	39.9	1.86
LONDON.....	50.6	35.8	40.6	38.7	1.43
Oxford.....	49.5	35.2	39.4	37.9	1.52
Cambridge.....	50.6	33.3	39.2	37.7	1.33
Yarmouth.....	45.7	35.8	40.8	39.1	1.77

NOTE — The temperature means are for the 15 years 1871 — 85, the Rainfall means are mainly these for the 20 years 1868 — 85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.43 in. at Helsingfors, 30.4 in. at Aberdeen, 30.3 in. and upwards in a broad band extending southwards from Finland to our extreme north and north-west coasts.
 Lowest, 29.5 in. and less, in a depression lying over the Gulf of Genoa, 29.7 in. and less in another disturbance lying over Germany.
 Gradients moderate over the North Sea, the Netherlands and the south-east of England, slight elsewhere. Barometer rising generally.

TEMPERATURE

Highest 47° at Comuna, 46° at Lisbon, 42° at Nice, 41° at Valencia, 39° at Seville, and 38° at Halmstad, Rochefort and Perpignan.
 Lowest -14° at Haparanda -6° at Helsingfors +4° at Stockholm, 12° at Vaerde, 13° at Utsby, 15° at Høgen, 17° at Paris and 18° at Berlin.
 The maxima registered over our Islands yesterday were below 40° at all but our extreme northern and south-western stations.

WIND

Light and variable over the northern part of our Islands and Scandinavia.
 Strong from the N.E. over Denmark, the Netherlands, the south of England and the north of France.
 NW gales reported at Rochefort and Perpignan; moderate NW winds in the East of France.

WEATHER

Fine in Sweden, Denmark, and the greater part of our Islands.
 Cloudy elsewhere, with snow in the west of Norway, the extreme south-east of England, and many parts of Germany and France.
 Snow showers were experienced yesterday at many of our stations.

SEA

High at Cape Haze and rough or rather so on our East coasts, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over Scandinavia has spread southwards, and the low pressure systems are apparently filling up. There are at present no signs of any decided change in the weather.

FORECASTS

for the 24 hours ending at NOON on 19th March 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.	Thy.	Wet.	Wind.	Wen.	Sea.		Bar.	Thy.	Wet.	Wind.	Wen.	Sea.
Skudesnes ...	30.15	36	27	E 2	6	3	Holyhead ...	30.06	37	33	N 4	6c	4
Sumburgh Head ...	30.00	32	32	SW 3	s	4	Valencia ...	30.12	51	46	NW 3	6c	3
Stornoway ...	30.01	42	42	? 4	r	3	Scilly ...	30.04	40	38	N 5	6c	5
Aberdeen ...	30.07	36	33	S 1	c	4	Dungeness ...	29.72	34	32	NNE 6	0	4
Shields ...	30.02	35	34	N 3	0	7	London ...	29.85	35	33	NNE 5	osp	*
Ardrossan ...	30.08	36	35	SW 1	0	0	Yarmouth ...	29.79	33	32	NNE 6	cg	6
Malin Head ...	30.02	44	40	S 2	0	2	Jersey ...	29.93	36	34	NW 3	q	3
Mullaghmore ...	30.05	42	40	NE 1	cm	1	Rochefort ...	29.93	37	35	N 7	s	2
Belmullet ...	30.08	48	44	NNW 3	0	*							

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

The reports for yesterday morning showed that pressure varied from 30.2 ins. and more over Northern Europe and the Gulf of Bothnia, where it was rising, and from 30.0 ins. and more over the western and northern parts of our Islands to rather below 29.5 ins. in a large, irregularly-shaped low pressure system, which lay over the eastern part of the Mediterranean, Switzerland, Western Germany, and the Netherlands. Thus, E^{ly} to NE^{ly} winds were prevalent over all the northern and northwestern countries, and strong N^{ly} to NW^{ly} winds over France, those over Hungary were SE^{ly} and those in Italy S^{ly}. The weather was very cold and very unreasonable - the sky overcast except in the north and east, and snow was falling in the Netherlands, while at several of the Mediterranean stations rain was falling, and lightning had been seen in the south of France. Temperature was very low - frost being prevalent except over the western and southern countries; the \bar{F} an values ranging from 15° below zero over Northern and Central Russia to a little above 40° in the west of Ireland to about 50° in the northwest of Spain and apparently to between 55° and 60° over the southeastern parts of the Mediterranean. The lowest individual values were -18° F. at Archangel, -12° at St. Petersburg, -8° at Hakaranda, -7° at Krasnoe and Uleaborg, -6° at Hermand, -4° at Moscow, +4° at Memel, 12° at the Low, 13° at Hamburg, 20° at Berlin, 28° at Aberdeen and Kilm, 31° in London and 33° at Paris. The highest were 63° at Biskra (Algeria) 57° at Brindisi, (Malta report not received) 53° at Naples, Palermo and Lissone, 54° at Pescara, 53° at Barcelona, 50° at Bremen, 46° at Lisbon, 42° at Kiev, and 41° at Belmullet.

no great change occurred later.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Monday, 19th March

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. Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	SHADE TEMP.		Difference from 8 A.M. yesterday.	WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.
			Dir.	Force. (0 to 12.)				Dry.	Wet.		Dir.	Force. (0 to 12.)			Max.	Min.	
SCANDINAVIA.																	
Haparanda ..	30.30	9	SW	4	b	30.27	-0.05	25	23	+3.9	W	2	0	*	9	-44	-
Hernösand ...	30.61	3	Z	0	b	30.59	+1.6	22	20	+2.8	SW	2	bc	*	28	-11	-
Stockholm ...	30.49	11	NNE	4	b	30.58	+2.5	9	8	+5	NNE	2	b	*	21	0	-
Wisby ...	30.33	19	NNE	4	b	30.37	+1.4	19	18	+6	ENE	6	b	*	23	5	-
Bodö ...	30.20	35	SW	8	0	30.29	+1.4	39	37	+15	WSW	16	0	3	39	21	0.12
Christiansund...	30.54	31	SSW	1	b	30.56	+2.6	30	27	-1	ESE	1	b	3	36	25	-
Skudesnaes ...	30.49	27	ENE	1	b	30.54	+1.8	31	26	+5	ENE	2	b	2	3	25	-
Christiania Fjord (Fjorder)	30.48	25	NNE	3	b	30.62	+2.7	19	17	+7	N	5	b	1	25	19	-
Skagen (The Scaw)	30.43	20	NE	5	b	30.45	+1.3	18	17	+3	NE	6	b	0	21	15	-
Fanö ...	30.24	17	NE	6	b	30.15	-0.4	16	15	-1	NE	6	b	*	23	16	-
Sumburgh Head	30.49	35	ENE	1	b	30.52	+1.6	37	34	+2	SSE	1	c	1	40	30	-
Stornoway ...	30.43	42	SE	2	bc	30.45	+1.1	34	34	0	Z	0	bc	2	45	31	-
Wick ...	30.49	36	S	2	b	30.51	+1.3	36	36	0	S	3	bc	3	47	34	-
Nairn ...	30.47	37	E	1	b	30.50	+1.3	29	26	+1	Z	0	b	0	47	24	-
Aberdeen...	30.47	36	NE	1	b	30.51	+1.1	37	33	+6	ESE	2	b	2	44	31	-
Leith ...	30.46	34	Z	0	b	30.45	+0.9	38	35	+6	E	3	v	*	41	30	-
Shields ...	30.40	36	NE	2	c	30.38	+0.6	34	31	+1	NE	5	0	5	37	32	0.06
Spurn Head ...	30.30	34	NNE	6	c	30.22	-0.3	32	30	0	NE	7	c	7	37	30	-
York ...	30.37	34	N	2	bc	30.32	+0.1	32	31	-1	NNE	2	0	+	39	29	0.01
Loughborough	30.33	33	NE	4	c	30.23	-0.4	31	28	0	NNE	4	00f	*	39	30	-
BRITISH ISLANDS.																	
Ardrossan ...	30.44	38	ENE	1	b	30.44	+0.7	34	32	0	ENE	2	bm	1	42	30	-
Malin Head ...	30.44	38	SE	3	b	30.42	+0.9	36	33	+1	SE	3	c	3	42	32	-
Mullaghmore ...	30.38	42	ESE	4	b	30.43	+1.1	35	32	-2	ENE	1	bc	2	47	30	-
Belmullet ...	30.38	44	ESE	4	b	30.44	+1.4	33	31	-5	E	3	b	*	49	31	-
Donaghadee ...	30.44	38	E	2	b	30.42	+0.6	38	34	+2	E	5	b	3	50	35	-
Barrow-in-Furness	30.36	36	NNE	2	b	30.32	-0.0	33	31	0	NE	4	bc	*	39	30	-
Liverpool (Bidston)	30.38	32	NE	4	b	30.32	-0.0	32	30	0	NE	4	bc	3	37	29	-
Holyhead ...	30.37	36	ENE	4	bc	30.34	+0.2	34	32	+1	ENE	5	bcq	5	38	32	-
Parsonstown ...	30.40	38	NE	2	c	30.40	+0.7	27	26	-3	Z	0	b	*	42	22	-
Valencia ...	30.35	43	WNW	2	c	30.38	+1.1	37	34	-4	Z	0	bm	1	49	22	-
GERMANY.																	
Roch's Point...	30.33	40	E	4	bc	30.31	+0.4	34	32	-4	N	4	b	3	42	30	-
Pembroke ...	30.30	37	ENE	3	bc	30.23	-0.4	34	31	+2	NE	4	e	1	40	30	-
Scilly ...	30.22	38	NE	5	c	30.17	-0.3	38	35	-1	NE	6	os p	5	39	34	-
Prawle Point ...	30.22	30	NNE	5	c	30.11	-0.9	31	28	0	NE	7	c	5	39	24	-
Jersey ...	30.14	35	NNE	4	0	30.01	-1.2	32	31	-3	NNE	4	chspn	3	36	30	0.02
FRANCE & NETHERLANDS.																	
Hurst Castle ...	30.18	34	NE	6	bc	30.05	-1.0	31	31	-1	NE	7	0	3	35	31	-
Dungeness ...	30.06	32	NE	5	c	29.94	-0.8	29	29	-3	NE	8	s	6	33	28	0.05
London ...	30.19	32	NE	5	bc	30.07	-1.1	29	27	-2	NE	7	0 q	*	35	28	-
Oxford ...	30.26	31	NNE	5	c	30.14	-0.8	29	27	-1	NE	6	0 q	*	36	29	-
Cambridge ...	30.24	31	N	3	0	30.12	-1.0	30	29	-1	N	3	0	*	36	26	-
Yarmouth ...	30.17	32	NE	7	0	30.07	-0.6	31	30	+1	NE	7	0 q	6	32	28	-
Cuxhaven ...	30.16	23	NE	6	0	30.08	-0.1	20	20	-3	NE	6	0	*	7	19	-
Berlin ...	29.93	23	NNE	4	0	29.74	-1.3	26	25	+7	NE	6	s	*	26	7	0.28
Wiesbaden ...	*	*	*	*	*	29.69	-1.1	26	25	-3	N	12	s	*	39	25	-
Munich ...	29.64	29	Z	0	s	29.51	-1.8	21	21	-11	NW	5	s	*	34	21	0.47
PENIN. ISLANDS.																	
The Helder ...	30.14	26	NE	8	0	30.02	-0.8	26	25	0	NE	8	0	4	27	25	-
Brussels ...	*	*	*	*	*	29.89	-0.8	22	21	-6	NE	3	s	*	28	20	0.04
Cape Gris Nez...	30.01	29	E	9	s	29.89	-0.6	27	27	-4	E	11	s	8	32	25	-
Paris ...	29.94	28	NNE	7	s	29.84	-0.6	21	20	-11	NNE	5	s	*	32	21	0.08
Brest ...	30.15	34	NE	4	0	30.06	-0.6	33	31	-3	NE	7	s	4	41	30	-
Lorient ...	30.10	36	NNE	5	0	29.96	-1.5	33	29	+3	NE	7	0	3	36	32	-
Rockfort ...	30.01	38	N	8	0	29.91	-1.3	31	29	-6	NNE	7	0	2	45	25	-
Belfort ...	29.70	30	NNE	1	0	29.61	-1.7	25	25	-12	E	1	s	*	39	23	0.04
Lyons ...	29.71	34	NW	5	0	29.67	-1.4	26	25	-5	NW	4	s	*	36	26	-
Nice ...	29.42	41	ESE	1	0	29.44	-0.5	39	37	-3	E	1	b	1	52	37	-
Perpignan ...	29.75	37	NW	4	c	29.71	-1.0	33	30	-5	NW	5	0	*	46	32	-
Biarritz ...	29.97	40	NE	8	0	29.87	-0.7	32	31	0	S	3	s	2	?	?	0.28
FRANCE & NETHERLANDS.																	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lisbon ...	30.09	48	NW	5	b	30.01	-1.5	46	43	0	NW	3	bc	2	54	43	-

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts.

WEATHER CHARTS

for 8 a.m. on Monday, 19th March, 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.

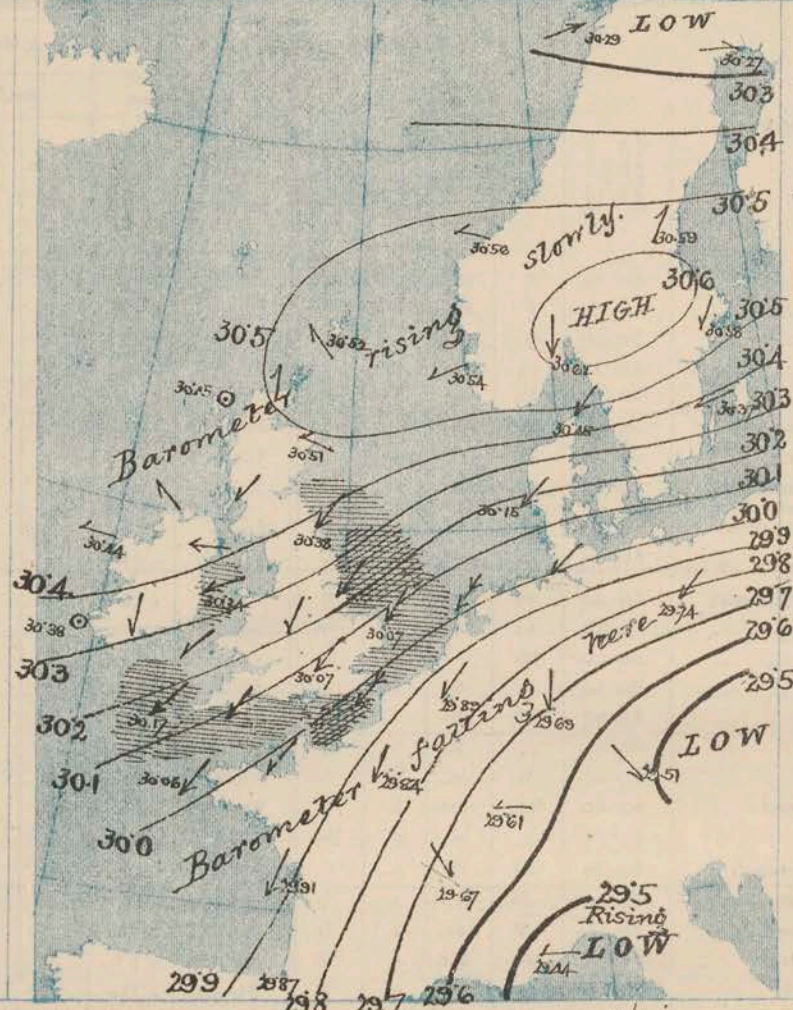
Sea Disturbance — where considerable, is shown thus.

■ = Rough ■ = High

MEAN HEIGHT of the BAROMETER

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

STATIONS	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.779
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.862
Shields	29.896
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.919
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.968
Dover	29.955
LONDON	29.967
Oxford	29.966
Cambridge	29.957
Yarmouth	29.938



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

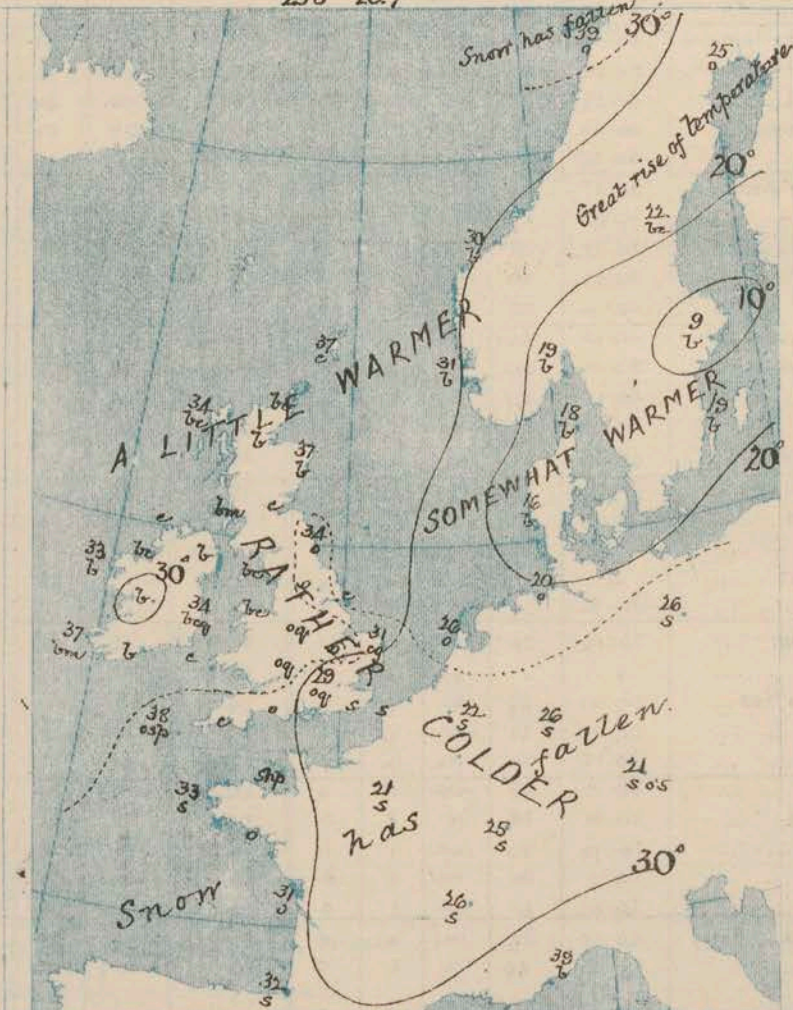
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of March.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	42.6	34.0	38.5	37.1	2.92
Stornoway	44.9	34.4	39.2	38.0	3.87
Wick	44.7	33.9	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	36.3	1.72
Aberdeen	45.4	34.7	38.9	36.8	2.24
Leith	48.2	34.6	39.7	37.9	1.36
Shields	45.9	35.4	39.6	38.0	1.60
York	48.9	33.7	38.6	37.1	1.63
Loughborough	49.8	34.8	39.5	37.7	1.47
Ardrossan	46.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.9	39.7	1.99
Holyhead	47.6	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	35.5	42.6	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.88
Jersey	49.9	40.5	44.7	42.7	2.32
Hurst Castle	48.3	37.7	41.6	40.7	1.80
Dover	46.9	37.8	41.6	39.9	1.86
LONDON	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	33.3	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.6 in: and upwards over Central Sweden, 30.5 in: in a broad anticyclonic band extending from Finland to the north coast of Scotland.
Lowest, 29.5 in: in a depression lying over Bohemia, and also in another disturbance lying over the Gulf of Genoa.
Gradients steep over the North Sea, Denmark and North Germany, increasing over the south of our Islands.
Barometer still rising in Scandinavia and the north of the United Kingdom, but falling elsewhere.

TEMPERATURE

Highest, 46° at Lisbon, 39° at Rome and Nice, 38° at Leith, Donaghadee, and Peilly, and at Lumburg H., Aberdeen and Valence.
Lowest, 9° at Stockholm, 16° at Tunis, 18° at Kopenhagen, 19° at Gaarder and Mielz, 20° at Copenhagen, and 21° at Paris and Munich.
The maxima registered yesterday were below 40° at nearly all the English stations.

WIND

Light SE^{ly} on our extreme north and northwest coasts; W^{ly} or SW^{ly} in the north of Scandinavia.
Chiefly E^{ly} or NE^{ly} elsewhere; strong to a gale over the Channel and southern part of the North Sea.
Moderate NW^{ly} breezes are reported at Munich and Lyons.

WEATHER

Fine in Scandinavia, Denmark and all the more northern and eastern parts of our Islands.
Snow showers are falling at some of our southern stations, and continuous snow in nearly all parts of Germany and France.

SEA

Very high at Spinn Head, and rough or rather rough on most parts of our south and east coasts as well as at Holyhead.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over Bohemia seems likely to advance in a westerly direction towards our southeast coasts, and a further increase in the strength of the NE^{ly} wind is therefore probable over England, with snow in many places. Our northern coasts are not likely to be materially affected just at present.

FORECASTS

for the 24 hours ending at NOON on 20th March 1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SE ^{ly} to E ^{ly} winds, moderate; fair generally.
1	SCOTLAND EAST	E ^{ly} winds, freshening; fair to unsettled and some snow.
2	ENGLAND N.E.	Same as No 5.
3	ENGLAND EAST	Same as No 5.
4	MIDLAND COUNTIES	Same as No 5.
5	ENGLAND SOUTH	NE ^{ly} strong winds and gales, squally, some snow.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No 1
7	ENGLAND N.W.	NE ^{ly} winds, increasing to a gale; fair to unsettled and some snow showers.
8	ENGLAND S.W.	----- D ^o ----- D ^o ----- D ^o -----
9	IRELAND NORTH	E ^{ly} and NE ^{ly} winds, increasing in force; fair generally
10	IRELAND SOUTH	NE ^{ly} winds, freshening; fair generally
WARNINGS		The N. cone was hoisted last evening in districts 3, 5, and part of 8, and this morning in districts 2, 7, 9, and the remainder of 8.

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.
Skudesnes ...	30.40	35	32	NNE 2	6	2	Holyhead ...	30.37	37	33	NE 5	6c	4
Gumburgh Head ...							Valencia ...						
Stornoway ...	30.40	45	44	SE 2	6	2	Scilly ...						
Aberdeen ...							Dungeness ...	30.05	32	31	NE 6	0	5
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...	30.39	41	37	SSE 3	6	1	Jersey ...	30.13	35	32	NNE 4	0	3
Mullaghmore ...							Rochefort ...						
Belmullet ...	30.36	48	44	SE 3	6	*							

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

The reports for yesterday morning showed, that a broad anticyclonic band in which readings exceeded 30.3 in., extended in a southwesterly direction from northern Russia across Scandinavia and the North Sea, to the extreme northwest of our Islands. Over southern Europe and the Mediterranean there was an irregularly shaped area of low readings, with two minima, — one lying over northern Italy and the Gulf of Genoa, and the other off the Tunisian coast. With these conditions the winds over northern and northwestern Europe (excepting at the extreme northern stations) were chiefly E. or NE. and over the Channel and the East of England they blew strongly. In France the wind was strong to a gale from the N. and NW, and in Algeria moderate from the same quarters, while over eastern Europe it was SE. or S. Snow was falling at some of the German and French stations, and rain at Vienna and Cracow, but elsewhere the weather was mostly fair. Temperature had fallen a few degrees over central and southern Europe, but elsewhere the changes were rather irregular; readings ranged from 50° and upwards over Algeria and the southern parts of Austria and Italy, to many degrees below zero over Lapland and Finland. The highest individual readings were 61° at Malta, 59° at Brindisi and Legna, 57° at Naples and Genoa, 55° at Palermo and 54° at Nemours; the lowest were —14° at Haparanda, —7° at Kropio, —6° at Norrland, —1° at St. Petersburg, 0° zero at Uleaborg, and +3° at Helsingfors and Riga.

In the course of the day the barometer fell a little over France and Germany, and the wind on our extreme southeast coasts increased to a moderate gale. No important change was however observed in the weather.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 11th TO THE 17th MARCH 1888.

The weather of the past week has been cold, unsettled and stormy, with heavy falls of snow over all the more northern parts of the United Kingdom and frequent rain and sleet in the south. Areas of high pressure have existed both over northern Europe, and over Spain and Algeria, and conditions have therefore been favourable for the advance and formation of barometrical depressions over our Islands. Several disturbances have actually appeared in our neighbourhood.

The first, a large and very deep system, appears to have advanced quickly from the southwest on the night of the 10th. In the course of the following day its centre moved steadily eastward, from South Wales to the East of England, and on the 12th it travelled away over Holland and Germany. Its passage was attended by severe gales from W. or W. over our southern coasts, and slight gales from SE. or E. over the northern parts of the Kingdom, with heavy falls of rain or sleet in most districts.

The second appeared off the southwest of Ireland on the morning of the 12th, and subsequently advanced slowly to the Irish Sea, where it partially filled up on the 14th. This disturbance produced first to strong gales from the SE. on our North and East coasts, and strong winds in the West, with snow or sleet in many places. Thunder and lightning were experienced in some parts of London on the evening of the 14th.

The third depression advanced over Ireland from the westward on the 14th, and became merged in the previous disturbance. On the 15th the centre of the combined system lay directly over Ireland, but in the course of the ensuing 24 hours the depression moved southeasterly and gradually filled up. During its progress the SE. gales in the North and Northeast continued, with heavy snowstorms in many districts, but over our southern coasts the wind at this time was SE. and the weather fine and mild.

The fourth and fifth disturbance appeared in a trough of low pressure, which extended on the morning of the 16th from Holland to the northwest of France, strong NE. winds set in over the whole Kingdom, with cold weather and snow in most parts of Great Britain. On the night of the 16th the low pressure area moved away eastward, but snow showers continued to prevail over Great Britain throughout the 17th. With the exception of the 14th and 15th when average temperatures were experienced over our extreme southern districts, the weather has been very cold for the time of year, and on the 16th and 17th the maximum readings of the thermometer were below 40° at all but our extreme southwest and southern stations.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Tuesday, 20th March

1888.

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

		+ YESTERDAY EVENING.					9 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.		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	26	WNW	4	b	30.24	-0.3	96	32	+11	Z	0	b	*	39	7	-	
	Hernösand ...	30.53	29	Z	0	b	30.46	-1.3	23	22	+1	Z	0	b	*	?	0	-	
	Stockholm ...	30.47	21	NNE	2	b	30.37	-2.1	17	15	+8	Z	0	b	*	28	1	-	
	Wisby ...	?	26	E	6	b	30.24	-1.3	27	26	+8	E	6	b	*	30	14	-	
	Bodö ...	30.34	39	WSW	8	o	30.38	+0.9	40	38	+1	WSW	4	c	2	?	37	-	
	Christiansund...	30.52	30	SSW	1	b	30.46	-1.0	27	25	-3	Z	0	b	3	37	21	-	
	Skudesnaes ...	30.45	31	WNW	2	b	30.41	-1.3	35	30	+4	NNE	2	b	3	41	30	-	
	Christiania Fjord (Færder)	30.46	?	N	3	b	30.42	-2.0	27	24	+8	NNW	5	b	1	30	?	-	
	Skagen (The Scaw)	30.30	27	NE	7	b	30.27	-1.8	27	26	+9	NE	5	b	0	28	18	-	
	Fanö ...	30.01	28	NE	8	b	30.01	-1.4	28	25	+12	NE	7	b	*	28	16	-	
BRITISH ISLANDS.	Sumburgh Head	30.46	35	SSE	1	b	30.40	-1.2	40	37	+3	SSE	1	b	2	42	31	-	
	Stornoway ...	30.33	40	Z	0	b	30.35	-1.0	35	35	+1	Z	0	b	2	43	29	-	
	Wick ...	30.42	36	S	3	b	30.39	-1.2	39	38	+3	S	3	b	2	45	34	-	
	Nairn ...	30.38	37	Z	0	b	30.37	-1.3	25	23	-4	Z	0	b	0	47	20	-	
	Aberdeen...	30.41	36	E	3	b	30.37	-1.4	30	28	-7	SE	1	b	2	42	25	-	
	Leith ...	30.36	38	ESE	3	b	30.29	-1.6	39	36	+1	E	4	c	*	39	34	-	
	Shields ...	30.27	34	NE	4	c	30.21	-1.7	38	34	+4	NE	5	c	6	38	32	-	
	Spurn Head ...	30.04	34	NNE	8	o	30.04	-1.8	35	34	+3	NNE	7	og	7	36	31	-	
	York ...	30.19	34	NNE	4	o	30.12	-2.0	34	33	+2	NNE	3	b	*	38	31	-	
	Loughborough	30.11	33	NNE	5	o	30.07	-1.6	35	32	+4	NNE	4	o	*	36	31	-	
GERMANY.	Ardrossan ...	30.35	36	ESE	2	b	30.29	-1.5	32	29	-2	NW	2	b	1	40	29	-	
	Malin Head ...	30.32	38	ESE	3	b	30.34	-0.8	35	32	-1	NE	2	b	1	39	31	-	
	Mullaghmore ...	30.31	40	E	2	b	30.34	-0.9	33	31	-2	E	2	b	2	43	31	-	
	Belmullet ...	30.30	41	SE	3	b	30.34	-1.0	36	34	+3	E	2	o	*	44	33	-	
	Donaghadee ...	30.32	37	NE	5	b	30.29	-1.3	36	33	-2	NE	5	b	3	40	33	-	
	Barrow-in-Furness	30.24	33	NE	3	o	30.18	-1.4	33	32	0	N	1	b	*	37	30	-	
	Liverpool (Bidston)	30.22	32	NE	4	o	30.16	-1.6	35	32	+3	NNE	2	b	2	36	32	-	
	Holyhead ...	30.24	35	NE	6	og	30.18	-1.6	37	34	+3	NE	3	b	2	37	33	-	
	Parsonstown ...	30.30	37	NE	2	b	30.32	-0.8	24	24	-3	Z	0	b	*	42	22	-	
	Valencia ...	30.28	42	N	2	b	30.31	-0.7	38	33	+1	Z	0	b	1	45	31	-	
FRANCE & NETHERLANDS.	Roche's Point...	30.24	39	NE	3	b	30.25	-0.6	34	32	0	N	3	b	3	43	30	-	
	Pembroke ...	30.15	34	ESE	3	b	30.11	-1.2	36	34	+2	NE	4	b	2	37	32	-	
	Scilly ...	30.11	38	NNE	6	c	30.08	-0.9	39	37	+1	NNE	6	o	5	39	35	-	
	Prawle Point ...	30.05	33	N	5	b	30.04	-0.7	32	30	+1	N	4	s	3	39	25	0.02	
	Jersey ...	29.97	33	N	3	o	29.95	-0.6	33	32	+1	NNE	3	oms	3	34	31	0.40	
	Hurst Castle ...	29.97	34	NE	8	c	29.98	-0.7	32	32	+1	NNE	4	oms	3	35	31	0.02	
	Dungeness ...	29.81	30	NE	8	s	29.86	-0.8	32	32	+3	NE	6	s	4	32	28	0.20	
	London ...	29.95	32	NE	5	os	29.96	-1.1	32	30	+3	NE	4	os	*	34	30	0.20	
	Oxford ...	30.03	32	NE	5	o	30.02	-1.2	32	31	+3	N	3	s	*	34	29	0.03	
	Cambridge ...	30.00	33	N	4	o	29.99	-1.3	32	32	+2	N	2	s	*	37	28	0.08	
PENIN- SULA.	Yarmouth ...	29.94	31	NE	8	s	29.93	-1.4	33	32	+2	NE	6	c	6	33	29	0.05	
	Cuxhaven ...	29.86	29	E	7	o	29.88	-2.0	30	29	+8	NE	5	o	*	30	20	-	
	Berlin ...	29.63	33	NE	3	s	29.73	-0.1	30	29	+4	N	2	s	*	34	?	0.63	
	Wiesbaden ...	*	*	*	*	*	29.90	+2.1	28	27	+2	NW	4	o	*	32	?	0.12	
	Munich ...	29.69	24	Z	0	o	29.91	+4.0	29	28	+8	SE	1	o	*	29	18	-	
	The Helder ...	29.87	28	NE	7	s	29.90	-1.2	29	28	+3	NE	5	o	3	30	25	0.08	
	Brussels ...	*	*	*	*	*	29.88	-0.1	25	25	+3	SW	1	s	*	26	?	0.20	
	Cape Gris Nez...	29.82	27	ESE	9	s	29.84	-0.5	30	30	+3	E	7	s	6	30	27	?	
	Paris ...	29.82	24	N	3	s	29.92	+0.8	22	22	+1	S	1	o	*	27	20	?	
	Brest ...	30.04	34	NE	7	s	30.04	-0.2	35	33	+2	NE	7	o	3	37	32	-	
PENIN- SULA.	Lorient ...	29.96	34	NNE	5	o	29.96	-0.0	33	31	0	N	5	s	2	36	32	-	
	Rochefort ...	29.95	30	NE	4	c	29.96	+0.5	30	30	-1	SSE	4	s	2	36	23	-	
	Belfort ...	29.71	30	W	1	o	29.91	+3.0	28	27	+3	SW	1	b	*	30	22	-	
	Lyons ...	29.86	26	N	3	c	30.00	+3.8	22	21	-4	W	1	b	*	32	20	0.04	
	Nice ...	29.67	41	W	3	o	29.94	+5.0	34	32	-5	ESE	3	b	2	46	30	-	
	Perpignan ...	29.85	35	NW	3	o	29.98	+2.7	28	27	-5	SW	1	b	*	42	26	-	
	Biarritz ...	29.87	36	E	3	s	29.91	+0.4	33	31	+1	ESE	4	o	2	44	30	0.24	
	Corunna ...	*	*	*	*	*													
	Lisbon ...	29.95	45	NNE	7	b	30.13	+1.2	40	37	-6	N	5	b	4	52	37	0.04	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Tuesday, 20th March.

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.

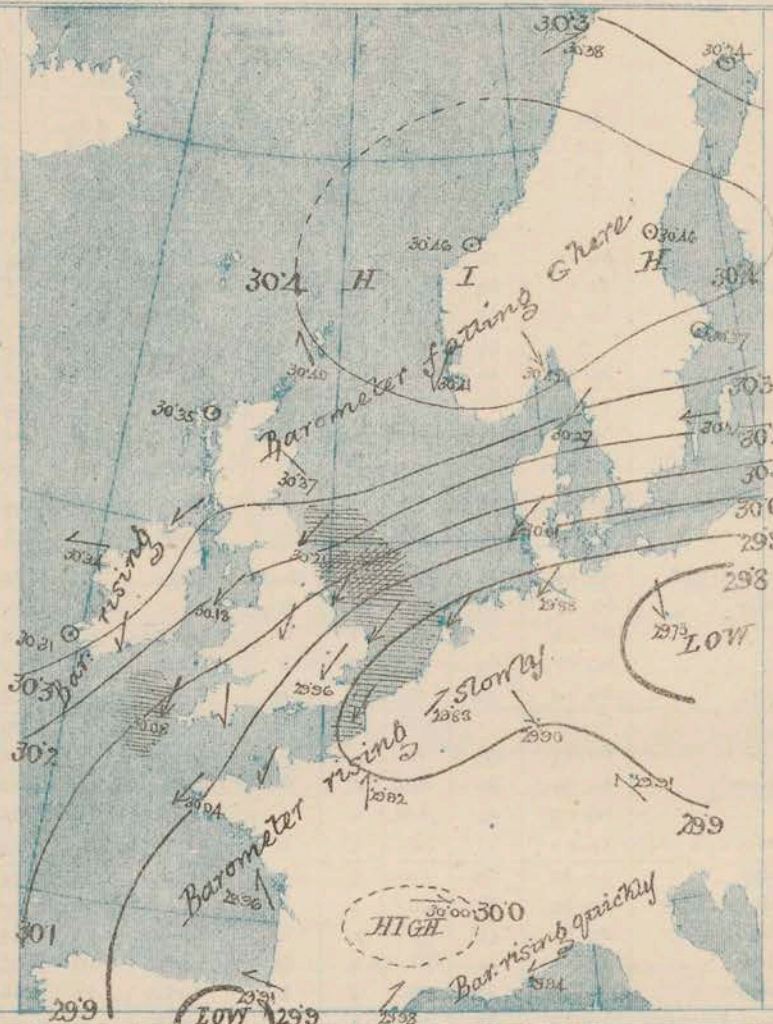
Sea Disturbance — where considerable is shown thus.

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.751
Stornoway	29.779
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.862
Shields	29.886
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.919
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.966
Dover	29.955
LONDON	29.967
Oxford	29.966
Cambridge	29.957
Yarmouth	29.938



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

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

Weather is shown by letters of the Beaufort Scale.

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

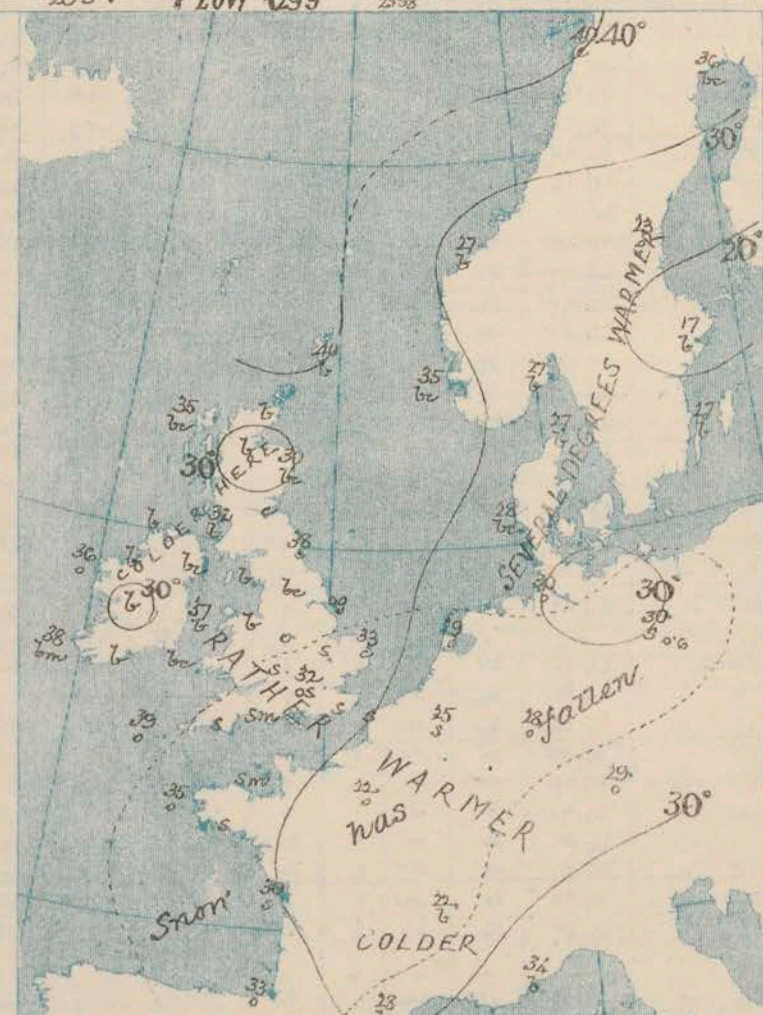
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max	Daily Min	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	42.6	34.0	38.5	37.1	2.92
Stornoway	44.9	34.4	39.2	38.0	3.87
Wick	44.7	33.9	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	36.3	1.72
Aberdeen	45.4	34.7	38.0	36.8	2.24
Leith	48.2	34.6	39.7	37.9	1.86
Shields	45.9	35.4	39.6	38.0	1.60
York	48.9	33.7	38.6	37.1	1.63
Loughborough	49.8	34.3	39.5	37.7	1.47
Ardrossan	46.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.0	39.7	1.99
Holyhead	47.6	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	39.5	42.6	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.9	40.5	44.7	42.7	2.32
Hurst Castle	48.3	37.7	41.6	40.7	1.80
Dover	46.9	37.8	41.6	39.9	1.86
LONDON	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	33.3	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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 in: and upwards, in a large anticyclone lying over the greater part of Scandinavia.
 Lowest, 29.8 in: and less, in a depression lying over Germany.
 Gradients rather steep over the North Sea, Denmark, and the south of Scandinavia, but slight elsewhere.
 Barometer rising quickly over the southern parts of Germany and France and slightly in the south of our Islands, but falling in the N.

TEMPERATURE

Highest, 40° at Rode, Lumburg Head and Lisbon, 39° at Wick, Leith, and Seilly, and 38° at Shields and Valentia.
 Lowest, 17° at Stockholm, 22° at Paris and Lyons, 23° at Helsingfors, 25° at Brussels, and 27° at Christianaund, Nisby, Faerder, and Skagen.
 The maxima registered yesterday over the southeast of England were below 35°.

WIND

Fresh or strong from the NE^{ly} over Denmark, the greater part of England and the North Sea, and the north of France.
 Light from E. in Ireland, and from SE. in the northeast of Scotland.
 Moderate SE^{ly} in the southwest of France, variable in Germany and the east of France.

WEATHER

Fine in Scandinavia, Denmark, the west and north of our Islands, and the south of France.
 Cloudy elsewhere, with snow in many parts of England, France, Belgium, and Germany.
 Heavy snow fell yesterday at some of our extreme southern and southeasterly as well as at many of the Continental stations.

SEA

High at Spurn Head, rough on our east and southeast coasts generally, and rather rough at Seilly.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The present movements in the barometer are in favour of a gradual change to milder weather. The anticyclone over Scandinavia is apparently giving way, while the barometer is beginning to rise decidedly over Central and Southern Europe. The wind on our southern coasts is therefore likely to back slowly towards N. or N.W., but snow showers will probably continue to prevail for a time.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SE ^{ly} winds, light; fair generally.
1	SCOTLAND EAST	E ^{ly} winds, moderate or fresh; fine to unsettled and some snow showers.
2	ENGLAND N.E.	NE ^{ly} winds, strong, cloudy, some snow showers.
3	ENGLAND EAST	-----D-----D-----D-----
4	MIDLAND COUNTIES	Same as No 5.
5	ENGLAND SOUTH	NE ^{ly} and N ^{ly} winds, strong at times; changeable, some snow showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NE ^{ly} winds, light or moderate; fair generally.
7	ENGLAND N.W.	NE ^{ly} winds, freshening; fair to unsettled and some snow.
8	ENGLAND S.W.	Same as No 5
9	IRELAND NORTH	Same as No 7
10	IRELAND SOUTH	Same as No 6.

WARNINGS

The N. cone is still flying in districts 2, 3, 5, and 7 to 9.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Ther.	Wet.	Wind.	Wet.	Sea.		Bar.	Ther.	Wet.	Wind.	Wet.	Sea.
Skudesnaes ...	30.51	41	31	NNE 2	6	2	Holyhead ...	30.27	36	33	NE 6	cq	5
Sumburgh Head ...	30.50	40	39	SSE 1	c	1	Valencia ...	30.31	45	38	NE 3	bm	3
Stornoway ...	30.39	42	41	S 3	6c	3	Scilly ...	30.12	37	34	NNE 6	c	5
Aberdeen ...	30.46	40	35	E 2	6	2	Dungeness ...	29.87	30	29	NE 8	S	6
Shields ...	30.35	34	32	NE 4	0	5	London ...	29.99	34	33	NE 6	oq	*
Ardrossan ...	30.36	40	35	ESE 2	6	1	Yarmouth ...	29.97	32	31	NE 7	cq	6
Malin Head ...	30.38	39	35	SE 3	6	2	Jersey ...	29.99	33	32	NE 5	0	u
Mullaghmore ...	30.36	41	36	E 5	6	2	Rochefort ...	29.91	32	30	NNE 5	0	2
Belmullet ...	30.35	40	38	SE 2	6	*							

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

The reports for yesterday morning show that pressure then varied from between 30.5 ins. and 30.6 ins. in a zone which stretched from the northern part of the Atlantic across Scandinavia and the Gulfs of Bothnia and Finland to Central Russia; to the northward of this band the readings decreased to rather below 30.3 ins. over Lapland and Finland (and probably to a much lower value over the Arctic Sea), while to the southward it decreased to less than 29.7 ins. over Central and Southern Europe and the Mediterranean, and to a little below 29.5 ins. in a local depression over the Gulf of Genoa. NE^{ly} and N^{ly} winds, strong to a gale in force were experienced over all the more western and northern countries, and were accompanied by an unusually general fall of snow, while in Italy the wind was SW^{ly} and S^{ly}, and rain was falling locally, as well as in Algeria. Temperature was very low for the time of year, over the northern countries, however, a rapid recovery had set in, apparently due to the setting in of the W^{ly} breeze which blew fresh in some places. The lowest readings recorded at 8 am were -9° at St. Petersburg, +4° at Helsingfors, 7° at Hango, 9° at Stockholm, 10° at Stockholm, 21° at Münster, Munich, and Paris, 22° at Carrel, Hunsdorf, and Brussels, 26° at Lyons and the Helles. The highest were 60° at Bivandri and Hermannstadt, 55° at Malta, 51° at Budapest, 50° at Cagliari and Naples, 48° at Leningrad. Over Northwestern Europe the readings were all below 40°.

Later in the day, there was no change of importance reported except that the snow extended to London; the weather also remained very cold over Western Europe generally.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Wednesday 21st March. 1888.
Issued by the Meteorological Office, 716, 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 ..	30.31	31	Z	0	bc	30.24	00	22	21	14	S	4	b	*	43	?	—		
Hernösand ...	30.37	25	Z	0	b	30.39	— 07	20	19	3	Z	0	b	*	36	16	—		
Stockholm ...	30.34	28	N	2	b	30.41	+ 04	24	21	4	Z	0	b	*	37	12	—		
Wisby ...	30.28	27	E	4	b	30.36	+ 12	27	26	0	ESE	2	0	*	37	21	—		
Bodö ...	30.31	35	E	2	b	29.96	— 42	39	34	1	SSH	4	0	2	41	32	—		
Christiansund...	30.40	31	Z	0	b	30.17	— 29	32	49	5	SE	1	b	4	39	27	—		
Skudesnaes ...	30.36	38	NNW	2	b	30.35	— 06	38	31	2	NNE	1	b	2	48	?	—		
Christiania Fjord (Fjærd)	30.31	36	N	2	b	30.36	— 06	27	25	0	N	2	b	1	37	23	—		
Skagen (The Scaw)	30.27	31	NE	3	b	30.32	+ 05	29	28	2	NE	1	b	1	36	27	—		
Fanö ...	30.13	31	NE	6	b	30.20	+ 19	30	27	2	NE	4	b	*	39	27	—		
BRITISH ISLANDS.																			
Sumburgh Head	30.40	37	Z	0	b	30.23	— 17	40	39	0	SW	2	0	3	45	33	—		
Stornoway ...	30.38	39	S	2	b	30.26	— 09	42	42	7	SW	6	0	5	42	33	—		
Wick ...	30.43	39	SW	3	bc	30.29	— 10	38	37	1	S	3	0	3	47	29	—		
Nairn ...	30.40	35	Z	0	b	30.34	— 03	37	36	12	SW	2	c	2	47	25	—		
Aberdeen...	30.42	40	ENE	2	bm	30.37	00	32	29	2	S	1	b	3	45	25	—		
Leith ...	30.40	38	ENE	2	bc	30.44	+ 15	35	32	4	Z	0	bm	*	44	27	—		
Shields ...	30.32	39	NE	4	bc	30.41	+ 20	36	34	2	N	1	b	4	41	31	—		
Spurn Head ...	30.17	34	NNE	6	ops	30.28	+ 24	38	36	3	N	5	b	5	38	33	—		
York ...	30.25	39	NNE	4	c	30.37	+ 25	36	35	2	NNW	2	b	*	43	31	—		
Loughborough	30.17	35	NE	4	c	30.33	+ 26	37	35	2	N	3	bm	*	38	32	—		
GERMANY.																			
Ardrossan ...	30.39	38	NE	2	b	30.44	+ 15	31	30	1	ENE	1	bm	1	42	29	—		
Malin Head ...	30.40	38	N	2	b	30.44	+ 10	35	34	0	SSH	2	om	2	41	33	—		
Mullaghmore ...	30.39	42	NNE	2	b	30.48	+ 14	34	32	3	NNW	1	0	4	43	29	—		
Belmullet ...	30.42	40	NE	2	b	30.49	+ 15	39	37	3	S	4	0	*	44	31	—		
Donaghadee ...	30.37	42	ENE	3	bc	30.46	+ 17	38	36	2	NNE	2	bc	1	44	33	—		
Barrow-in-Furness	30.26	38	NNE	4	b	30.39	+ 21	34	32	1	NNW	1	b	*	46	32	—		
Liverpool (Bidston)	30.25	38	NE	4	bc	30.42	+ 26	37	35	2	N	2	b	2	42	32	—		
Holyhead ...	30.28	40	NE	5	b	30.43	+ 25	39	38	2	NNE	2	bm	2	42	37	—		
Parsonstown ...	30.43	42	NE	1	bc	30.52	+ 20	26	26	2	Z	0	bc	*	44	23	—		
Valencia ...	30.39	41	N	4	bm	30.51	+ 20	41	38	3	N	2	bm	2	46	34	—		
Roche's Point...	30.32	44	NNE	4	b	30.48	+ 23	38	35	4	N	3	b	3	45	32	—		
Pembroke ...	30.20	39	NNE	4	b	30.38	+ 27	39	36	3	NNE	4	b	2	42	33	—		
Scilly ...	30.14	42	NNE	7	0	30.34	+ 26	41	39	2	NE	5	c	4	42	36	—		
Prawle Point ...	30.11	37	N	5	0	30.29	+ 25	36	33	4	N	6	b	4	38	26	—		
Jersey ...	30.04	36	NE	4	orp	30.18	+ 23	37	35	4	NNE	4	cm	3	37	33	0.01		
FRANCE & NETHERLANDS.																			
Hurst Castle ...	30.07	35	NNE	5	0	30.22	+ 24	35	33	3	NNE	5	bc	3	35	31	—		
Dungeness ...	29.97	33	NE	5	0	30.10	+ 24	34	33	2	NE	5	S	4	35	31	0.10		
London ...	30.07	33	N	3	0	30.24	+ 25	35	33	3	NNE	3	c	*	36	32	—		
Oxford ...	30.16	34	NE	4	0	30.29	+ 27	35	33	3	NNE	4	c	*	35	31	0.01		
Cambridge ...	30.10	33	NE	3	0	30.26	+ 27	35	34	3	N	3	b	*	35	28	—		
Yarmouth ...	30.04	33	NE	6	og	30.19	+ 26	35	34	2	NE	5	bc	5	35	31	—		
Cuxhaven ...	30.01	32	NE	4	0	30.12	+ 24	32	?	2	NE	3	0	*	32	29	—		
Berlin ...	29.96	30	W	1	S	30.13	+ 40	28	27	2	S	1	S	*	32	27	0.20		
Wiesbaden ...	*	*	*	*	*	30.12	+ 22	26	25	2	Z	0	0	*	34	21	—		
Munich ...	29.98	28	E	4	b	30.02	+ 11	26	25	3	SE	2	b	*	37	19	—		
PENINSULA.																			
The Helder ...	30.04	31	NE	3	0	30.16	+ 26	31	30	2	NE	3	c	2	32	28	—		
Brussels ...	*	*	*	*	*	30.11	+ 23	28	28	3	Z	0	S	*	30	?	0.08		
Cape Gris Nez...	*	*	*	*	*	30.09	+ 27	26	26	4	NW	1	S	*	31	25	0.04		
Paris ...	30.00	29	SSH	1	0	30.20	+ 16	36	34	1	NE	5	0	4	37	30	—		
Brest ...	30.06	37	N	8	0	30.12	+ 16	36	34	3	NE	5	0	4	37	32	—		
Lorient ...	30.03	36	NNE	4	0	30.09	+ 13	32	31	2	NE	5	0	2	36	27	—		
Rochefort ...	30.02	33	N	4	0	30.04	+ 10	33	30	5	NE	1	b	*	41	24	—		
Belfort ...	29.93	37	SW	1	b	30.02	+ 03	30	27	8	NNW	4	b	*	40	?	—		
Lyons ...	29.96	35	ENE	1	b	29.85	— 09	47	40	13	ENE	4	0	4	32	31	—		
Nice ...	29.91	44	E	3	bc	29.88	— 10	41	34	13	NW	4	S	*	30	?	—		
Perpignan ...	29.92	44	NNW	3	c	30.01	+ 10	38	36	5	E	4	0	2	43	?	0.55		
Biarritz ...	29.95	38	W	5	r	30.08	— 05	47	43	7	NNW	4	c	4	52	?	0.04		
Corunna ...	*	*	*	*	*	30.13	—	45	43	7	NNW	4	c	4	52	?	0.04		
Lisbon ...	30.13	45	NNW	5	c	30.08	—	45	43	7	NNW	4	c	4	52	?	0.04		

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Wednesday, 21st March.

1883.

BAROMETER, WIND & SEA.

(Explanation of Map)

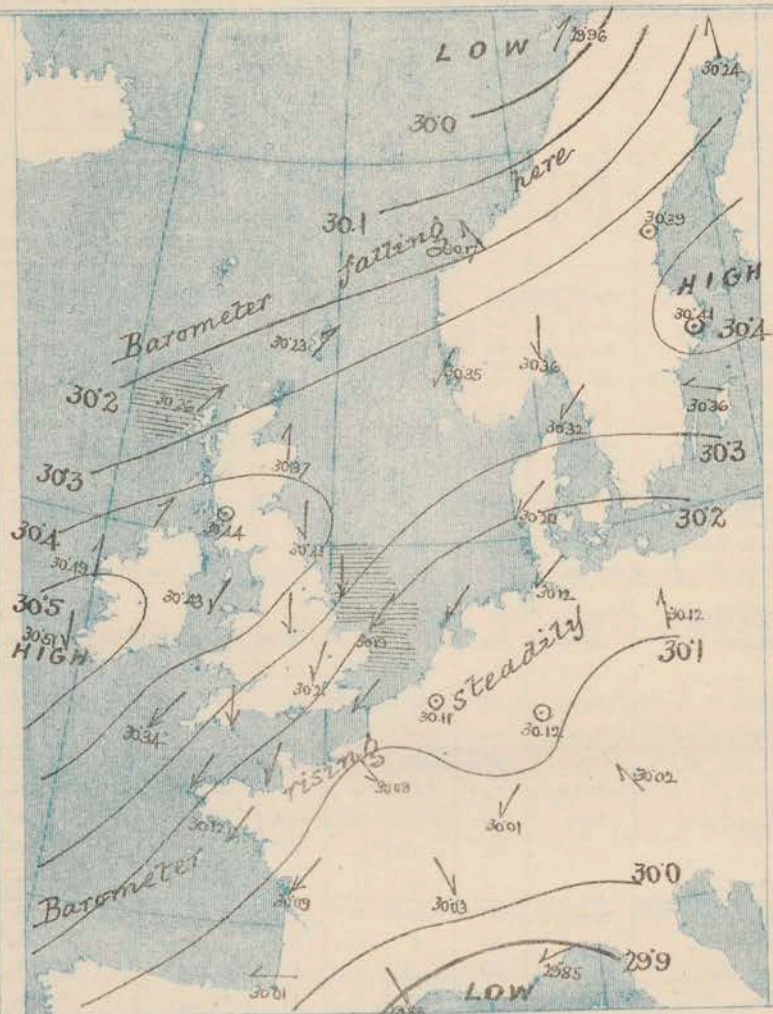
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 * — forces above 10, — forces 8 to 10,
 — forces 5 to 7, — forces 1 to 4,
 ○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

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head.	29.751
Stornoway.	29.779
Wick.	29.797
Nairn.	29.815
Aberdeen.	29.830
Leith.	29.862
Shields.	29.896
York.	29.925
Loughborough.	29.948
Ardrossan.	29.876
Donaghadee.	29.892
Holyhead.	29.919
Liverpool.	29.925
Parsonstown.	29.940
Valencia.	29.938
Roche's Point.	29.941
Pembroke.	29.944
Scilly.	29.966
Jersey.	29.971
Hurst Castle.	29.966
Dover.	29.955
LONDON.	29.967
Oxford.	29.966
Cambridge.	29.957
Yarmouth.	29.938



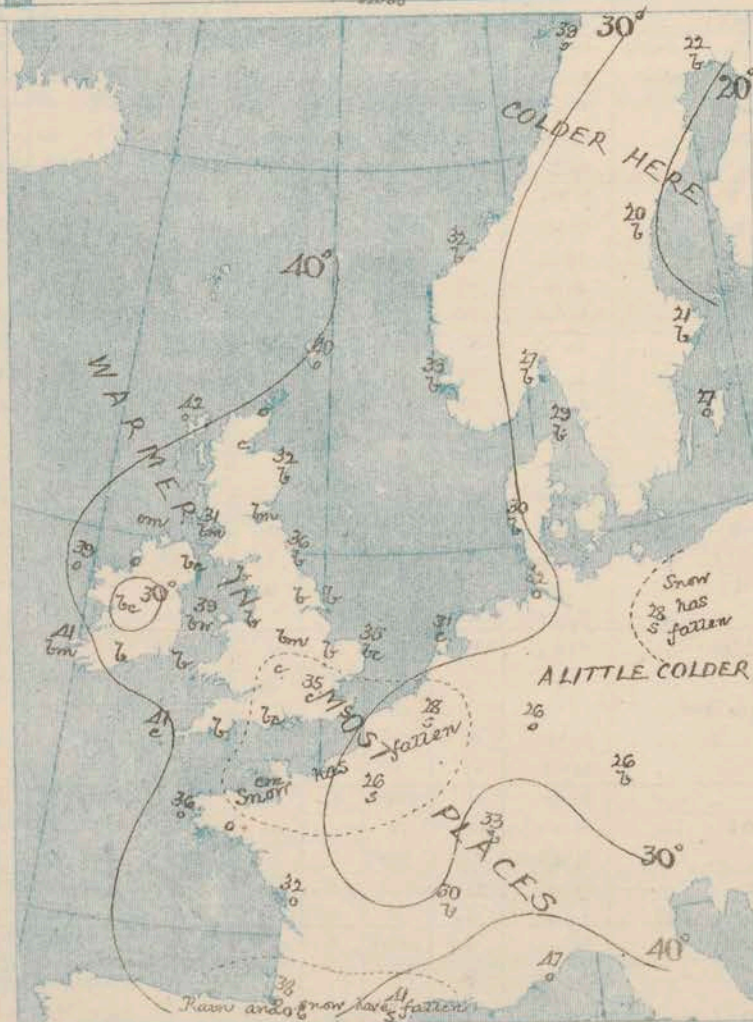
TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head.	42.6	34.0	38.5	37.1	2.92
Stornoway.	44.9	34.4	39.2	38.0	3.87
Wick.	44.7	33.9	39.1	37.2	1.97
Nairn.	45.6	34.2	38.2	36.3	1.72
Aberdeen.	45.4	34.7	38.9	36.8	2.24
Leith.	48.2	34.6	39.7	37.9	1.36
Shields.	45.9	35.4	39.6	38.0	1.60
York.	48.9	34.7	38.6	37.1	1.63
Loughborough.	49.8	34.3	39.5	37.7	1.47
Ardrossan.	46.8	36.6	40.5	38.7	2.59
Donaghadee.	47.3	37.1	41.0	39.7	1.99
Holyhead.	47.6	39.2	42.5	41.0	2.21
Liverpool.	47.3	37.1	40.8	38.7	1.69
Parsonstown.	50.1	35.5	41.2	39.6	2.35
Valencia.	51.6	40.6	45.4	43.4	4.24
Roche's Point.	50.2	40.0	43.8	42.1	3.71
Pembroke.	47.1	39.5	42.6	40.8	2.45
Scilly.	49.9	43.0	46.5	44.7	2.38
Jersey.	49.9	40.5	44.7	42.7	2.32
Hurst Castle.	48.3	37.7	41.6	40.7	1.80
Dover.	46.9	37.8	41.6	39.9	1.86
LONDON.	50.6	35.8	40.6	38.7	1.43
Oxford.	49.5	35.2	39.4	37.9	1.62
Cambridge.	50.6	33.3	39.2	37.7	1.33
Yarmouth.	45.7	35.8	40.8	39.1	1.77

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 in. and upwards in an anticyclone lying over the South of Ireland; 30.4 in. and upwards in another lying over the southern part of the Gulf of Bothnia. The two high pressure systems are connected by a "col" which stretches across the North of England and the North Sea. Lowest 29.9 in. and less in a depression lying off the South of France; 30.0 in. and less in another depression lying off the northwest of Norway. Gradients moderate generally. Barometer falling somewhat decidedly in the extreme North, but rising elsewhere.
TEMPERATURE	Highest 44° at Nice and Lisbon, 42° at Stornoway, 41° at Valencia, Seilly and Perpignan, and 40° at Loughbeg Head. Lowest 20° at Helsingfors, 21° at Stockholm, 22° at Haparanda, 26° at Paris, Wiesbaden and Munich, and 27° at Trondheim and Wisby. The maxima registered yesterday were below 40° over Central, southern and eastern England.
WIND	SW. on the North coasts of Ireland and Scotland; S. in the North of Scandinavia. Variable in Germany, NW. over the central, southern and eastern parts of France. NE. or N. elsewhere, fresh in force on our eastern and southern coasts.
WEATHER	Dull on our extreme North and Northwest coasts, as well as at most of the German and French stations. Snow is falling at Dungeness, Brussels, Berlin, Paris and Perpignan. Fine in Scandinavia and all the more eastern and southern parts of our Islands.
SEA	Rather rough off the East of England, and also at Stornoway, but moderate to smooth elsewhere.



PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which is appearing in the far North seems likely to occasion a considerable increase of wind on our extreme North and northwest coasts generally. The system will probably move eastwards to the northern part of Scandinavia.
Over our southern districts no important change is indicated beyond a decrease in the strength of the N. wind, and a gradual rise of temperature.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW. and W. winds, increasing in force; dull, some rain.	6 SCOTLAND WEST	Same as N ^o 1.
1 SCOTLAND EAST	SW. winds, moderate; fair generally.	7 ENGLAND N.W.	Same as N ^{os} 2 to 4.
2 ENGLAND N.E.	N. to NW. winds, moderate; fine generally, milder.	8 ENGLAND S.W.	Same as N ^o 5.
3 ENGLAND EAST	.....D.....D.....D.....	9 IRELAND NORTH	SW. winds, light to fresh; dull, some rain or sleet.
4 MIDLAND COUNTIES	.....D.....D.....D.....	10 IRELAND SOUTH	Same as N ^{os} 2 to 4.
5 ENGLAND SOUTH	N. winds, moderate or fresh; fine generally, milder.		NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.39	48	39	NNW	2	6	2	Holyhead ...	30.24	40	37	NNE	5	6	4
Sumburgh Head ...	30.44	44	41	Z	0	6	2	Valencia ...	30.31	44	38	N	4	6m	5
Stornoway ...	30.37	42	40	S	2	6	2	Scilly ...	30.40	41	39	NNE	7	0	5
Aberdeen ...	30.42	43	41	E	2	6	2	Dungeness ...	29.92	33	32	NE	6	5	4
Shields ...	30.27	41	36	NE	4	6	6	London ...	30.03	36	35	NNE	4	0	*
Ardrossan ...	30.33	42	38	ESE	4	6m	2	Yarmouth ...	29.99	34	32	NE	6	0	6
Malin Head ...	30.37	40	36	NNE	2	6	2	Jersey ...	29.99	37	34	NE	3	0	3
Mullaghmore ...	30.36	42	37	NNE	2	6	3	Rocheport ...	29.97	33	30	NE	5	5	2
Belmullet ...	30.38	43	39	ESE	2	6	*								

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed a general increase of pressure, slight over the western and northern countries but very decided over the Mediterranean, but that at 8 am readings were still highest at the western and northern stations, and lowest over central Europe and the western parts of the Mediterranean. Gradients were rather steep over the Baltic and North Sea, moderate to slight elsewhere. E. and NE winds still prevailed over the Baltic, North Sea, the British Islands and Channel, and blew strongly at many stations, accompanied by a good deal of snow over the Continent and South of England, but by bright clear weather in the North. Over the Bay of Biscay the wind was more N., while over southern Europe it was light and variable. Temperature showed a tendency to rise, but was still very low everywhere, ranging from very little above zero F. over central Russia, and from somewhat below the freezing point over the inland parts of even the most western countries, to a very little above 50° in central Italy, but to nearly 60° over the southeastern parts of the Mediterranean. The lowest individual values were 4° at St. Petersburg, 7° at Moscow, 8° at Helsingfors, 11° at Hango, 17° at Stockholm and Wisby, 21° at Cassel, 22° at Lyons and Paris, 27° at Christiansund, and 32° in London; the highest were 59° at Leghorn and Brindisi, 58° at Biskra (Algeria), 54° at Palermo, 52° at Lissina and 50° at Rome. At Funchal (Madeira) it was 57°, but on our extreme western coasts it did not exceed 39°.

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, 22nd March 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 ..	29.91	23	S	4	b	29.65	- 59	25	24	+ 3	SW	2	0	*	34	16	-	
	Hernösand ...	30.05	28	E	6	b	29.90	- 49	28	26	+ 8	SSW	2	0	*	41	12	-	
	Stockholm ...	30.30	26	SSE	2	S	30.11	- 30	24	24	+ 3	W	0	2	*	36	16	-	
	Wisby ...	30.37	29	SW	2	0	30.13	- 23	30	29	+ 3	SE	2	0	*	39	23	-	
	Bodö ...	29.58	37	SW	8	r	29.54	- 42	35	32	- 4	WNW	8	8	5	41	32	0.04	
	Christiansund...	29.88	40	SW	8	r	29.91	- 26	39	32	+ 1	W	2	8	4	45	32	0.24	
	Skudesnaes ...	30.19	35	SSE	3	0	29.95	- 40	32	32	- 1	SE	6	8	4	41	?	-	
	Christiania Fjord (Fierder)	30.25	31	WSW	3	b	30.04	- 32	30	29	+ 3	SSW	3	0	1	36	25	-	
	Skagen (The Seaw)	30.17	28	W	0	b	30.06	- 26	24	24	- 5	S	1	0	0	36	23	-	
	Fanö ...	30.17	30	NE	4	0	30.01	- 19	29	29	- 1	NE	2	0	*	34	28	-	
BRITISH ISLANDS.	Sumburgh Head	29.98	42	W	3	r	29.91	- 32	36	34	- 4	NNE	2	0	3	43	34	0.35	
	Stornoway ...	30.08	48	SW	4	r	29.89	- 37	42	42	0	E	5	0	4	48	37	0.62	
	Wick ...	30.05	43	SW	2	0	29.89	- 40	40	40	+ 2	E	3	0	2	47	36	0.25	
	Nairn ...	30.06	43	WSW	1	c	29.87	- 47	39	38	+ 2	W	0	0	1	51	35	0.20	
	Aberdeen...	30.14	46	SSW	2	0	29.84	- 53	41	40	+ 9	NW	1	0	2	53	31	0.15	
	Leith ...	30.21	43	W	3	c	29.82	- 62	46	46	+ 11	W	1	rm	*	52	32	0.09	
	Shields ...	30.24	41	W	0	m	29.85	- 56	41	41	+ 5	WSW	2	rm	3	47	34	0.19	
	Spurn Head ...	30.22	38	WNW	3	b	29.91	- 37	36	35	- 2	SSW	2	5	2	42	31	0.02	
	York ...	30.28	46	N	1	b	29.91	- 46	41	40	+ 5	W	1	r	*	50	33	0.08	
	Loughborough	30.27	44	NE	2	b	29.99	- 34	36	35	- 1	WSW	2	r	*	52	27	0.08	
GERMANY.	Ardrossan ...	30.25	42	SSW	2	0	29.81	- 63	44	43	+ 13	SSW	3	rm	2	44	30	0.14	
	Malin Head ...	30.26	45	WSW	4	0	29.85	- 59	46	46	+ 11	WNW	4	0	3	46	35	0.12	
	Mullaghmore ...	30.32	46	SW	3	0.2	29.89	- 59	47	46	+ 13	WSW	4	0	2	47	33	0.39	
	Belmullet ...	30.34	48	W	2	0.2	29.91	- 58	49	49	+ 10	WNW	1	0	*	49	39	0.33	
	Donaghadee ...	30.30	45	WSW	2	b	29.87	- 59	47	47	+ 9	W	2	0	1	47	38	0.08	
	Barrow-in-Furness	30.29	41	NW	2	bc	29.92	- 47	41	41	+ 7	NW	2	5	*	43	34	0.19	
	Liverpool (Bidston)	30.32	39	WNW	2	b	29.96	- 46	42	42	+ 5	SSW	1	0	1	45	35	0.19	
	Holyhead ...	30.34	41	W	0	c	29.97	- 46	43	43	+ 4	SW	3	m	2	45	39	0.07	
	Parsonstown ...	30.39	45	W	0	r	29.96	- 56	47	47	+ 21	W	0	0	*	50	26	0.16	
	Valencia ...	30.43	47	W	0	om	30.01	- 50	51	50	+ 10	WSW	4	rm	4	51	40	0.27	
FRANCE & NETHERLANDS.	Roche's Point...	30.39	48	NW	2	c	30.01	- 47	48	47	+ 10	WSW	2	r	3	52	36	0.01	
	Pembroke ...	30.33	40	N	2	b	30.03	- 35	43	43	+ 4	WSW	4	5	3	48	38	0.05	
	Scilly ...	30.31	44	N	5	b	30.13	- 21	46	46	+ 5	WSW	3	0	4	46	40	-	
	Prawle Point ...	30.27	43	NE	3	b	30.11	- 18	41	39	+ 5	W	3	0	2	52	30	-	
	Jersey ...	30.24	38	NE	4	c	30.17	- 01	35	33	- 2	W	2	om	2	39	30	-	
	Hurst Castle ...	30.23	43	NNE	3	b	30.09	- 13	37	36	+ 2	WSW	3	cm	2	45	30	-	
	Dungeness ...	30.17	35	NE	5	0	30.06	- 04	30	30	- 4	WNW	3	m	2	39	25	-	
	London ...	30.23	39	NE	1	bm	30.04	- 17	34	32	- 1	WSW	2	om	*	45	28	-	
	Oxford ...	30.28	36	NNE	2	b	30.04	- 25	35	33	0	W	1	ogd	*	50	30	0.01	
	Cambridge ...	30.24	37	N	2	b	30.01	- 25	34	32	- 1	S	1	rs	*	48	24	-	
PENINSULA.	Yarmouth ...	30.20	37	NE	2	bc	29.99	- 20	38	32	- 2	SSW	2	bcm	3	38	29	-	
	Cuxhaven ...	30.14	33	NE	2	0	30.07	- 05	30	29	- 2	N	2	0	*	33	28	-	
	Berlin ...	30.11	33	NNE	1	0	29.95	- 18	33	32	+ 5	NW	1	f	*	34	2	0.16	
	Wiesbaden ...	*	*	*	*	*	30.04	- 08	32	31	+ 6	W	0	S	*	39	?	-	
	Mannich ...	29.95	33	SE	1	b	29.96	- 06	31	30	+ 5	W	4	0	*	41	25	-	
	The Helder ...	30.17	31	NE	1	0	30.04	- 12	31	30	0	WNW	1	0	1	32	30	-	
	Brussels ...	*	*	*	*	*	30.09	- 02	31	31	+ 3	WNW	3	S	*	36	?	0.04	
	Cape Gris Nez...	30.17	34	NE	7	0	30.08	- 08	33	33	0	W	3	0	2	34	32	0.20	
	Paris ...	30.15	32	N	3	bc	30.16	+ 07	31	30	+ 5	NW	1	0	*	36	?	0.04	
	Brest ...	30.26	42	NE	5	b	30.22	+ 02	31	29	- 5	W	0	b	3	43	28	-	

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts.

WEATHER CHARTS

for 8 a.m. on Thursday, 22nd March.

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

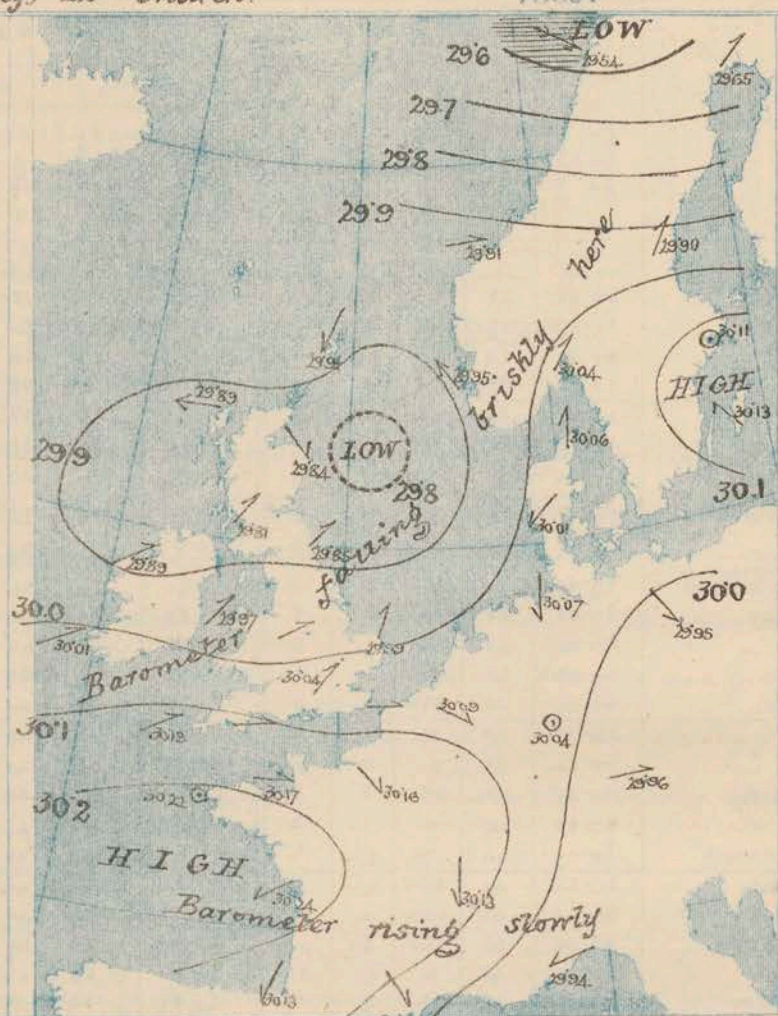
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus —
 — forces above 10 — forces 8 to 10 — forces 5 to 7 — forces 1 to 4.
 ☉ = dead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

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.751
Stornoway	29.779
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.862
Shields	29.896
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.919
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Rochie's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.966
Dover	29.955
LONDON	29.967
Oxford	29.966
Cambridge	29.957
Yarmouth	29.938



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

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

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of March.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 5 a.m.		
			Dry	Wet	
Sumburgh Head	42.6	34.0	38.5	37.1	2.02
Stornoway	44.9	34.4	39.2	38.0	3.87
Wick	44.7	33.9	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	36.3	1.72
Aberdeen	45.4	34.7	38.9	36.8	2.24
Leith	48.2	34.6	39.7	37.9	1.36
Shields	45.9	35.4	39.6	38.0	1.60
York	48.9	33.7	38.6	37.1	1.63
Loughborough	49.8	34.3	39.5	37.7	1.47
Ardrossan	49.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.0	39.7	1.99
Holyhead	47.0	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Rochie's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	39.5	42.6	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.0	40.6	44.7	42.7	2.32
Hurst Castle	48.3	37.7	41.6	40.7	1.80
Dover	46.9	37.8	41.6	39.9	1.86
LONDON	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	33.8	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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 Bay of Biscay and west of France, 30.1 ins. and upwards over the southeast of Sweden.
Lowest, 29.6 ins. and less, in a depression lying over the extreme north of Scandinavia, 29.9 ins. and less, in a large shallow area lying over the North Sea and the northern part of our Islands.
Gradients moderate or slight generally. Barometer falling briskly at all but the French stations.

TEMPERATURE

Highest, 51° at Kileenic, 49° at Belmullet, 48° at Rockistown, 47° at Mullaghmore, Donaghadee, and Parsonstown, and 46° at Seith, Malin, Kelly, and Griboll.
Lowest, 24° at Stockholm and Skagen, 25° at Haparanda, 28° at Helsingfors, 29° at Luleå, and 30° at Narvik, Alesund, and Bergen.
The maxima registered over our Islands yesterday were considerably higher than of late.

WIND

Light or moderate from N. or S.W. over Ireland, England and the north of Scandinavia.
Moderate E. in the north of Scotland, N.E. in the west of France.
Light N. in Denmark, N.W. or W. over the Netherlands and Germany.

WEATHER

Cloudy or overcast generally with rain at many of the English and Irish stations, as well as in the south of Scotland.
Snow is falling in the west of Norway and also at Tromsø.
In the course of the past 24 hours somewhat heavy amounts of rain have fallen in the extreme north and northeast of our Islands.

SEA

Rather rough at Bodø but moderate to smooth in all other places.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure is now somewhat complex. The large area of low readings over our northern districts seems likely to extend eastwards and southwards, and mild, showery, changeable weather will probably continue in most places. There are at present no indications of the approach of any further disturbance from the westward.

FORECASTS

for the 24 hours ending at NOON on 23RD March 1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	E. and N.E. winds, moderate or fresh; changeable, some showers.
1	SCOTLAND EAST	Light variable breezes; drizzle, some rain.
2	ENGLAND N.E.	S.W. and W. winds, light; drizzle, some rain.
3	ENGLAND EAST	-----D°-----D°-----D°-----
4	MIDLAND COUNTIES	-----D°-----D°-----D°-----
5	ENGLAND SOUTH	W. winds, moderate or fresh; changeable, mild, some rain.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	S.W. to N.W. winds, moderate; changeable, some rain.
7	ENGLAND N.W.	-----D°-----D°-----D°-----
8	ENGLAND S.W.	W. to N.W. winds, moderate or fresh; changeable, some rain.
9	IRELAND NORTH	-----D°-----D°-----D°-----
10	IRELAND SOUTH	-----D°-----D°-----D°-----

WARNINGS

The signals hoisted last evening in districts 0, 6, 9, and part of 10 have been lowered again this morning.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	30.30	41	36	E.N.E. 2	6	2	Holyhead ...	30.40	44	40	N.N.W. 2	6	2
Gumburgh Head ...	30.08	42	41	SW 3	0	3	Valencia ...	30.47	48	43	N.W. 3	em	3
Stornoway ...	30.15	45	45	SW 6	7	5	Scilly ...	30.32	45	43	N.E. 6	6	5
Aberdeen ...	30.24	49	43	S 2	0	2	Dungeness ...	30.16	35	33	N.E. 5	0	4
Shields ...	30.33	46	40	N.E. 1	6	3	London ...	30.23	45	41	N.E. 4	6	*
Ardrossan ...	30.33	41	38	W 0	0	0	Yarmouth ...	30.23	38	36	N.E. 5	60	5
Malin Head ...	30.39	42	40	SSW 3	0	3	Jersey ...	30.21	39	36	N.E. 5	0	4
Mullaghmore ...	30.41	43	42	WSW 2	0d	3	Rochefort ...	30.12	38	35	N.E. 5	0	2
Belmullet ...	30.41	47	46	SW 3	0	*							

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

The reports for yesterday morning showed that pressure was beginning to give way decidedly over Northern Europe, and that the high pressure system recently prevalent over the northern and northwestern part of our area was breaking up and moving southwards. Readings, however, varied from 30.5 ins: and more, both in an anticyclone over Russia, and in another one off the southwest of Ireland to rather below 30.0 ins: off the northwest of Norway, and to rather below 29.9 ins: in two depressions, one of which lay over the northern part of the Mediterranean, and the other between Ispah (Tunis) and Tripoli. The E and NE winds still held over the Baltic, North Sea, and greater part of the British Islands, but its force was materially less than on the previous day, and the weather showed signs of improving considerably. In Norway and the extreme north of our Islands, however, a SW wind had set in, and was accompanied by a rise of the thermometer and an overcast sky. Temperature at 8 am was still low over the greater part of the Continent, but not so low as it had recently been — frost was however, prevalent except over the British Islands, and southern and southeastern Europe. The lowest individual values were 8° at Moscow, 13° at St Petersburg, 14° at Kuopio, 16° at Helsingfors, 20° at Helsingand, 21° at Ålesund and Stockholm, 26° at Munich, Wiesbaden, and Paris, 31° at the Helder, and 32° at Aberdeen. The highest were 59° at Ispah (Tunis), 56° at Rhindia (Malta report not received) 53° at Rome, 52° at Naples, 51° at Legna, 47° at Lisbon, 42° at Stornoway, and 41° at Valentia (Ireland).

Later in the day the W wind and milder weather spread southwards quickly, but a cold clear night was experienced over the south 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

Friday, 23rd March

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.	Inch.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force (0 to 12.)			Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.		
SCANDINAVIA.																			
Haparanda ..	29.67	20	Z	0	b	29.73	+0.8	6	6	-19	Z	0	C	*	34	?	0.08		
Hernösand ...	29.79	33	Z	0	s	29.74	-1.6	28	27	0	Z	0	O	*	41	19	-		
Stockholm ...	29.82	30	SSE	2	0	29.67	-1.44	27	27	+3	Z	0	f	*	32	23	-		
Wisby ...	29.81	32	WSW	2	0	29.62	-1.51	32	32	+2	ESE	2	O	*	36	27	-		
Bodö ...	29.69	31	WNW	6	0	29.73	+1.9	28	25	-7	E	2	C	1	7	25	-		
Christiansund...	29.74	34	SSE	2	0	29.66	-1.25	33	32	0	E	1	bc	3	36	30	0.08		
Skudesnaes ...	29.75	33	SSE	4	s	29.55	-1.40	35	33	+3	SSE	1	O	3	?	32	?		
Christiania Fjord (Færder)	29.81	27	S	2	s	29.68	-1.36	26	26	-4	SE	2	f	1	30	23	-		
Skagen (The Scaw)	29.81	25	S	1	0	29.63	-1.43	27	27	+3	Z	0	O	0	30	?	-		
Fanö ...	29.78	30	S	1	0	29.56	-1.45	29	28	0	SE	4	C	*	32	27	-		
BRITISH ISLANDS.																			
Sumburgh Head	29.76	34	NNE	1	0	29.52	-1.39	35	33	-1	NNE	2	OSP	3	39	30	-		
Stornoway ...																			
Wick ...	29.76	40	E	1	0	29.55	-1.34	32	32	-8	N	4	bc	2	43	30	0.14		
Nairn ...	29.74	38	NE	2	0	29.60	-1.27	33	31	-6	N	4	C	4	42	31	0.02		
Aberdeen...	29.72	39	NE	3	Om	29.46	-1.38	34	32	-7	NW	3	O	3	43	33	-		
Leith ...	29.70	41	NE	1	0	29.51	-1.31	37	34	-9	NW	1	bc	*	46	34	0.10		
Shields ...	29.66	40	NNW	1	0	29.41	-1.44	35	35	-6	NNW	3	rs	3	45	33	0.34		
Spurn Head ...	29.64	48	Z	0	f	29.37	-1.54	37	36	+1	NNW	3	og	2	48	34	0.25		
York ...	29.66	46	W	1	r	29.42	-1.49	37	36	-4	NNW	2	O	*	47	33	0.59		
Loughborough	29.70	47	WSW	2	0	29.43	-1.56	36	35	0	N	2	ogd	*	54	35	0.19		
Ardrossan ...	29.67	41	NE	2	0	29.53	-1.28	35	33	-9	N	3	C	2	47	32	0.14		
Malin Head ...	29.75	51	NNW	4	0	29.59	-1.26	37	34	-9	NE	4	bc	3	46	37	0.04		
Mullaghmore ...	29.80	44	N	5	C	29.54	-1.35	39	37	-8	NE	3	CV	2	49	37	0.04		
Behnullet ...	29.87	45	NNW	3	Op	29.55	-1.36	38	37	-11	N	2	b	*	49	37	0.04		
Donaghadee ...	29.68	43	N	5	C	29.54	-1.33	37	35	-10	NE	6	C	4	51	35	0.05		
Barrow-in-Furness	29.63	42	NNW	1	f	29.46	-1.46	34	34	-7	NNE	3	C	*	43	34	0.45		
Liverpool (Bidston)	29.66	45	WSW	1	0	29.46	-1.50	35	35	-7	NE	1	S	2	50	34	0.17		
Holyhead ...	29.66	44	WSW	3	d	29.47	-1.50	39	38	-4	NNE	4	cm	4	47	38	0.15		
Parsonstown ...	29.77	45	NW	3	0	29.56	-1.40	37	36	-10	Z	0	bc	*	54	35	0.04		
Valencia ...	29.85	47	NNW	3	0	29.61	-1.40	43	41	-8	NNW	2	Op	2	51	40	0.22		
Roche's Point...	29.73	49	NW	4	bc	29.57	-1.44	43	40	-5	NNW	4	bc	3	51	40	0.06		
Pembroke ...	29.69	44	SSW	3	f	29.49	-1.54	40	38	-3	NW	4	C	3	45	39	0.11		
Seilly ...	29.74	48	W	4	f	29.54	-1.59	44	42	-2	NNW	6	C	5	49	42	0.13		
Prawle Point ...	29.80	44	SW	3	f	29.46	-1.65	40	39	-1	NNW	4	og	2	46	33	0.17		
Jersey ...	29.90	43	SW	4	OT	29.45	-1.72	44	43	+9	WNW	3	OTM	3	46	34	0.30		
Hurst Castle ...	29.80	41	WSW	3	rm	29.37	-1.72	41	41	+4	W	3	f	2	42	37	0.20		
Dungeness ...	29.78	39	W	6	r	29.42	-1.64	39	38	+9	SW	5	r	4	40	29	0.17		
London ...	29.77	45	SW	2	0	29.38	-1.66	42	41	+8	S	1	r	*	47	34	0.23		
Oxford ...	29.71	44	SW	2	r	29.37	-1.67	42	41	+7	NW	1	r	*	48	34	0.23		
Cambridge ...	29.72	46	SW	1	0	29.40	-1.61	37	37	+3	N	1	r	*	49	32	0.19		
Yarmouth ...	29.73	41	WSW	3	odm	29.36	-1.63	41	40	+8	SW	3	od	3	42	31	0.12		
Cuxhaven ...	29.92	32	NW	1	0	29.64	-1.43	29	29	-1	S	3	f	*	32	27	-		
Berlin ...	29.86	31	WNW	2	0	29.76	-1.19	26	26	-7	WSW	1	O	*	34	23	0.04		
Wiesbaden ...	*	*	*	*	*	29.74	-1.30	35	32	+3	SW	3	O	*	37	32	-		
Munich ...	29.92	31	W	3	0	29.78	-1.18	32	31	+1	SE	1	O	*	37	28	-		
FRANCE & NETHERLANDS.																			
The Helder ...	29.76	33	S	3	S	29.43	-1.61	35	35	+4	SSW	5	r	3	36	?	0.28		
Brussels ...	*	*	*	*	*	29.58	-1.51	35	33	+4	SSW	3	r	*	38	?	0.08		
Cape Gris Nez...	29.80	37	WSW	7	r	29.46	-1.62	37	37	+4	SSW	7	r	5	39	33	?		
Paris ...	30.00	34	SSW	3	0	29.68	-1.48	33	31	+2	SW	4	O	*	36	?	-		
Brest ...	29.91	46	SW	3	r	29.55	-1.67	44	41	+13	N	5	O	5	47	29	0.39		
Lorient ...	29.99	44	SW	3	r	29.53	-1.72	45	45	+11	WNW	4	f	4	45	32	0.20		
Rochefort ...	30.16	38	WNW	4	0	29.74	-1.49	39	38	+5	S	7	r	3	43	30	0.08		
Belfort ...	29.97	36	W	1	C	29.76	-1.27	38	31	-1	W	1	O	*	37	29	-		
Lyons ...	30.04	35	N	3	0	29.85	-1.28	31	28	-1	N	1	O	*	43	30	-		
Nice ...	29.77	45	E	1	b	29.66	-1.28	46	41	+5	E	1	C	1	54	37	-		
Perpignan ...	29.99	46	NW	4	b	29.84	-1.20	41	36	-2	NW	1	O	*	54	39	-		
Biarritz ...	30.12	42	NE	1	0	29.80	-1.33	42	39	+5	S	4	O	2	45	37	-		
PENINSULA.																			
Corunna ...	*	*	*	*	*														
Lisbon ...	30.10	50	NW	7	C	29.99	-1.09	46	44	0	WNW	1	b	2	55	45	-		

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Friday, 23rd March

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 —

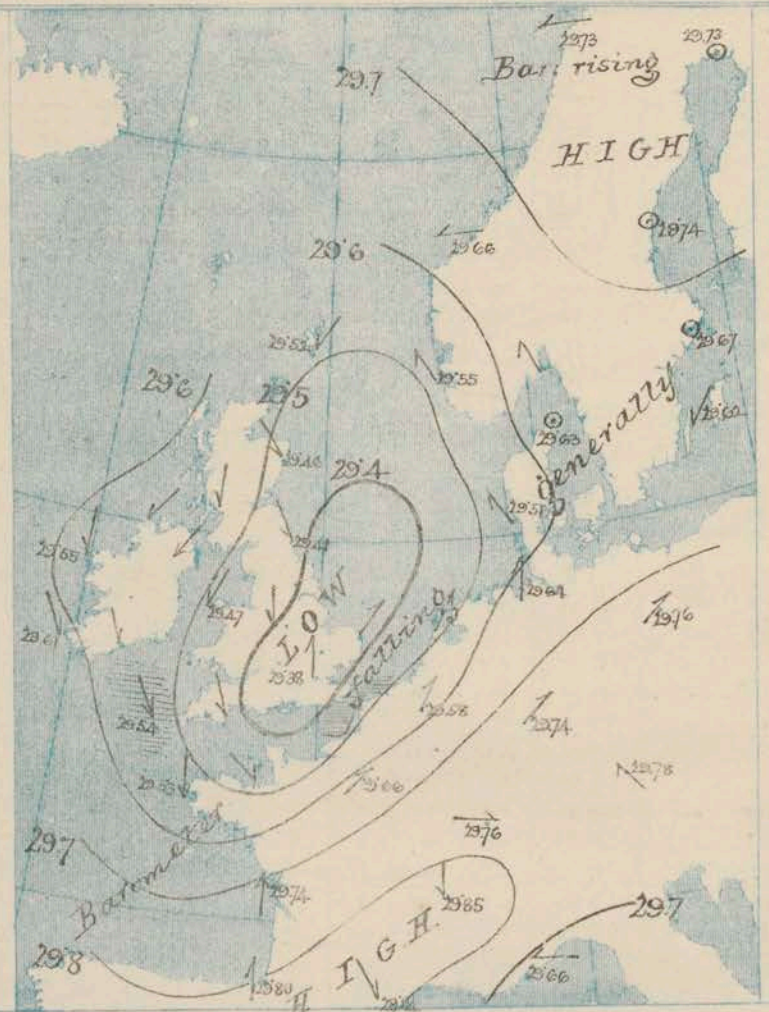
→ = forces above 10; →→ = forces 8 to 10;
 →→ = forces 5 to 7; →→ = forces 1 to 4;
 ⊙ = dead calm.

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.751
Stornoway	29.779
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.862
Shields	29.896
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.919
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.966
Dover	29.955
LONDON	29.967
Oxford	29.966
Cambridge	29.957
Yarmouth	29.938



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

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

Weather is shown by Letters of the Beaufort Scale.

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

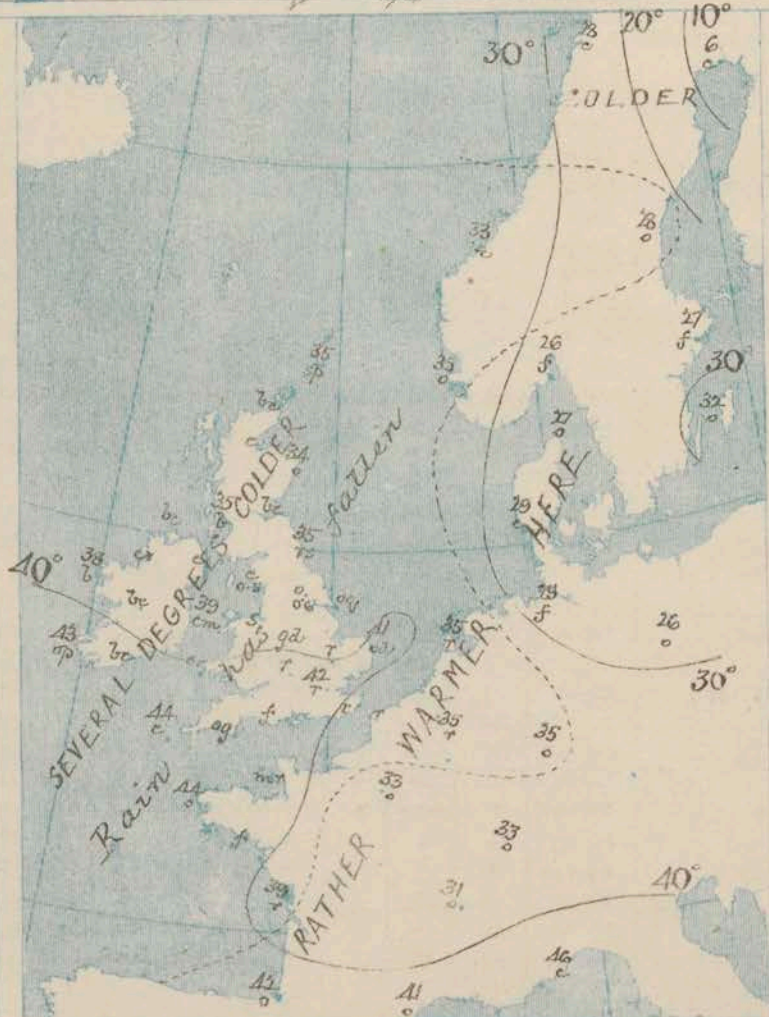
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of March.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.6	34.0	38.5	37.1	2.02
Stornoway	44.9	34.4	39.2	38.0	3.87
Wick	44.7	33.9	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	36.3	1.72
Aberdeen	45.4	34.7	38.9	36.8	2.24
Leith	48.2	34.6	39.7	37.9	1.36
Shields	45.9	35.4	39.6	38.0	1.60
Tork	48.9	33.7	38.6	37.1	1.63
Loughborough	49.8	34.3	39.5	37.7	1.47
Ardrossan	46.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.0	39.7	1.99
Holyhead	47.6	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	39.5	42.6	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.9	40.5	44.7	42.7	2.32
Hurst Castle	48.3	37.7	41.6	40.7	1.80
Dover	46.9	37.8	41.6	39.9	1.86
LONDON	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	33.3	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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 ins. and upwards, over Portugal; 29.7 ins. and upwards, over the northern part of Scandinavia. Lowest, 29.4 ins. and less, in an elongated depression lying over the south-east of England and the adjacent portion of the North Sea. Gradients moderate or slight generally. Barometer falling steadily at all but the northern Scandinavian stations.
TEMPERATURE	Highest, 46° at Nice and Lisbon, 45° at Lyons, 44° at Seilly, Jersey, and Brest, and 43° at Valencia and Rock Point. Lowest, 6° at Haparanda, 16° at Tander and Berlin, 27° at Stockholm and Slagow, 28° at Hernosand, and 29° at Hana and Copenhagen.
WIND	N ^W in all the more western and northern parts of the United Kingdom; moderate in force generally, but strong at Donaghadee and Seilly. Moderate SW ^W over the Netherlands and south-east of England. Strong from S. in the southwest of France; light from the SE ^W on the eastern shore of the North Sea. Fair at many of our western and northern stations.
WEATHER	Dull elsewhere, with rain over England, the Netherlands, and the north of France, and snow at Liverpool. Rain fell generally yesterday the largest amounts being 0.6 in. at York, and 0.5 in. at Banow in Lunenburg.
SEA	Rather rough at Seilly and Cape Fin Ileg, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure system will probably continue to move south-eastwards, and N^W winds, with cold, changeable weather are likely to become general over our Islands.

In the north and west some increase of force is probable.

FORECASTS

For the 24 hours ending at NOON on 24th March 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	N ^W winds, moderate or fresh; changeable, some snow showers.	6 { SCOTLAND WEST	Same as No 0.
1 { SCOTLAND EAST	----- D° ----- D° ----- D° -----	7 { ENGLAND N. W.	Same as No 0.
2 { ENGLAND N. E.	----- D° ----- D° ----- D° -----	8 { ENGLAND S. W.	NW ^W and N ^W winds, fresh or strong; changeable, some cold showers.
3 { ENGLAND EAST	Same as No 5.	9 { IRELAND NORTH	N ^W winds, fresh or strong; fair generally but some cold showers.
4 { MIDLAND COUNTIES	Same as No 5.	10 { IRELAND SOUTH	----- D° ----- D° ----- D° -----
5 { ENGLAND SOUTH	Wind veering to the NW ^W or N ^W with colder weather. Changeable, some rain or sleet.	WARNINGS	NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnæs ...	29.86	33	32	SE 4	S	4	Holyhead ...	29.78	46	46	SSW 3	m	3
Sumburgh Head ...	29.81	36	34	NE 2	0	3	Valencia ...	29.90	49	49	HW 3	of	3
Stornoway ...	29.82	42	41	E 5	0	4	Scilly ...	29.89	48	48	SW 4	r	4
Aberdeen ...	29.78	43	41	NE 3	0	2	Dungeness ...	29.89	39	38	WSW 5	m	3
Shields ...	29.72	44	44	WN 1	T	3	London ...	29.86	45	43	W 2	od	*
Ardrossan ...	29.72	42	41	E 2	0	1	Yarmouth ...	29.83	38	37	SSW 3	dm	3
Main Head ...	29.80	43	42	NEW 4	0	3	Jersey ...	30.02	46	43	SW 4	e	3
Mullaghmore ...	29.83	45	44	NEW 4	om	8	Rochefort ...	30.23	39	37	N 4	0	2
Belmullet ...	29.89	47	47	N 3	0	*							

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

Yesterday morning reports showed that both the European and Atlantic anticyclones, to which attention has recently been drawn, were moving steadily in a southeasterly direction and that a well marked depression had appeared over the northern parts of Scandinavia, while secondary disturbances were shown over the British Isles, North Germany and the Gulf of Genoa. SW and W winds had become general over the whole of Northwestern Europe, and were accompanied by an increase of temperature (after a cold night) cloudy weather, rain in several places, and sleet in some, while over France the wind was N, the weather cloudy, with snow in several places, but with some tendency to an increase of temperature. Over Central and Northern Europe S winds were experienced, and in these regions also the thermometer showed some tendency to rise, but in Russia the cold was still severe. The lowest individual values at 8 am were 7° at Moscow, 13° at Kharkov, 14° at St. Petersburg, 16° at Helsinki, 19° at Kuopio, 22° at Archangel and also at Carrel, 24° at Stockholm, 27° at Hamburg, 28° at Limerick and Wexford and 32° at Paris. The highest were 57° at Brindisi, 56° at Cagliari, 54° at Jofa (Tunis), 52° at Palermo, 51° at Valencia, and 50° at Barcelona, Malin Head, and Scilly.

Later in the day, the depression over the British Isles began to move southwards, and N^{ly} breezes again began to appear on our northwest coast, with a fall of temperature, while SW^{ly} winds and rain were experienced 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.

‡ 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 24th March.

1887.

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

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	29.82	14	Z	0	0	29.77	+ .04	17	16	+ 11	N	4	S	*	30	0	—	
Hernösand ...	29.77	27	ENE	2	0	29.76	+ .02	23	22	— 5	NE	2	b	*	24	?	—	
Stockholm ...	29.56	27	NNW	4	S	29.63	— .04	27	26	0	NNW	4	0	*	34	23	0.16	
Wisby ...	29.53	32	ESE	2	S	29.65	+ .03	28	27	— 4	NW	6	0	*	36	28	0.20	
Bodö ...	29.87	27	ENE	2	C	29.79	+ .06	24	22	— 4	ENE	4	b	2	30	23	—	
Christiansund...	29.70	33	ENE	2	C	29.74	+ .08	31	29	— 2	ENE	3	b	2	37	28	—	
Skudesnaes ...	29.53	36	E	6	0	29.58	+ .03	34	33	— 1	ENE	4	S	4	40	?	—	
Christiania Fjord (Fæder)	29.67	28	Z	0	b	29.70	+ .02	28	27	+ 2	NNE	3	0	1	30	25	—	
Skagen (The Seaw)	29.63	28	SE	2	0	29.65	+ .02	29	28	+ 2	SE	2	0	1	30	27	—	
Fanö ...	29.47	32	SE	4	S	29.50	— .06	32	32	+ 3	SE	4	C	*	32	28	0.08	
BRITISH ISLANDS.																		
Sumburgh Head	29.54	35	NE	4	r	29.60	+ .08	38	36	+ 3	NE	5	0	6	39	33	0.16	
Stornoway ...																		
Wick ...	29.43	37	NE	6	0	29.53	— .02	38	38	+ 6	E	8	ow	6	39	30	0.35	
Nairn ...	29.38	36	ENE	5	r	29.41	— .19	37	36	+ 4	NE	7	rs	6	37	31	0.33	
Aberdeen...	29.35	36	NNE	5	r	29.36	— .10	38	36	+ 4	ESE	4	0	5	41	33	0.44	
Leith ...	29.36	39	NW	2	b	29.26	— .25	34	34	— 3	SW	1	of	*	42	32	0.39	
Shields ...	29.33	37	WNW	3	C	29.30	— .11	33	31	— 2	WSW	2	m	3	38	30	0.05	
Spurn Head ...	29.30	37	NNW	4	b	29.37	— .03	34	32	— 3	WNW	2	b	3	39	32	—	
York ...	29.35	38	NW	2	0	29.39	— .03	33	31	— 4	W	1	b	*	43	27	—	
Loughborough	29.37	38	NNW	3	0	29.40	— .03	29	29	— 7	SE	1	bm	*	41	26	—	
GERMANY.																		
Ardrossan ...	29.41	39	NW	3	C	29.30	— .23	34	34	— 1	NW	2	crsm	1	42	33	0.08	
Malin Head ...	29.51	35	N	5	b	29.38	— .21	38	37	+ 1	NNE	6	opq	6	39	33	0.02	
Mullaghmore ...	29.53	39	N	7	C	29.40	— .14	36	35	— 3	NNE	6	orsp	4	42	33	0.09	
Belmullet ...	29.59	38	N	8	S	29.45	— .10	38	37	0	NE	10	r	*	41	33	0.33	
Donaghadee ...	29.45	38	NE	5	C	29.35	— .19	33	32	— 4	WNW	3	S	1	41	30	0.16	
Barrow-in-Furness	29.38	38	NW	3	b	29.35	— .11	32	30	— 2	NE	2	b	*	42	29	—	
Liverpool (Bidston)	29.39	38	NW	2	b	29.39	— .07	35	32	— 0	SW	1	b	1	41	32	0.01	
Holyhead ...	29.42	38	NNE	4	C	29.38	— .09	36	34	— 3	SSE	1	omur	2	39	31	—	
Parsonstown ...	29.51	39	N	1	b	29.40	— .16	33	32	— 4	Z	0	0	*	43	28	0.09	
Valencia ...	29.46	41	NNE	5	0	29.41	— .20	39	37	— 4	NNW	3	C	3	48	34	0.04	
Roche's Point...	29.44	37	ESE	4	r	29.40	— .17	35	33	— 8	NNE	2	0	3	47	32	0.50	
Pembroke ...	29.39	38	NNE	4	C	29.37	— .12	34	33	— 6	NE	8	b	1	43	32	—	
Scilly ...	29.39	43	NNW	2	C	29.30	— .14	39	37	— 5	ENE	5	r	4	45	37	0.03	
Prawle Point ...																		
Jersey ...	29.37	44	WNW	5	C	29.39	— .06	43	41	— 1	SE	3	bm	3	47	34	0.03	
Hurst Castle ...	29.33	39	NE	3	C	29.40	+ .03	36	36	— 5	E	3	cm	1	45	?	0.01	
Dungeness ...	29.25	40	WNW	4	r	29.40	— .02	36	36	— 3	N	2	C	2	40	34	0.23	
London ...	29.33	38	N	2	0	29.41	+ .03	37	35	— 5	SSE	1	og	*	42	35	0.08	
Oxford ...	29.37	37	NE	3	0	29.42	+ .05	32	30	— 10	Z	0	bf	*	42	29	0.01	
Cambridge ...	29.34	38	N	1	0	29.43	+ .03	34	34	— 3	Z	0	a	*	40	29	0.09	
FRANCE & NETHERLANDS.																		
Yarmouth ...	29.32	37	N	2	0	29.37	+ .01	37	36	— 4	SW	2	cm	2	42	34	0.11	
Cuxhaven ...	29.55	34	SSE	2	b	29.54	— .10	35	34	+ 6	SE	2	C	*	35	?	—	
Berlin ...	29.66	34	S	1	0	29.65	— .11	36	29	+ 4	SSE	1	b	*	36	25	—	
Wiesbaden ...	*	*	*	*	*	29.57	— .17	36	34	+ 1	Z	0	0	*	43	?	—	
Munich ...	29.62	33	E	3	b	29.64	— .14	35	32	+ 3	SE	1	b	*	43	27	—	
PENINSULA.																		
The Helder ...	29.38	36	S	1	f	29.36	— .07	36	35	+ 1	SSE	1	f	1	37	?	0.32	
Brussels ...	*	*	*	*	*	29.43	— .15	40	39	+ 5	SW	4	0	*	42	?	0.08	
Cape Gris Nez...	29.27	39	SW	7	r	29.39	— .07	36	36	— 1	W	3	0	2	41	36	0.24	
Paris ...	29.44	41	SW	4	0	29.47	— .21	39	38	+ 6	SSE	1	0	*	44	?	0.28	
Brest ...	29.45	45	NW	4	0	29.31	— .24	41	37	— 3	SE	5	r	5	46	30	0.16	
Lorient ...	29.42	44	NW	3	C	29.34	— .19	41	39	— 4	ESE	4	r	2	46	37	0.04	
Rochefort ...	29.32	46	WSW	4	0	29.51	— .23	42	41	+ 3	SSE	4	0	2	48	36	0.24	
Belfort ...	29.56	46	SW	1	b	29.61	— .15	42	40	+ 9	S	1	0	*	47	30	—	
Lyons ...	29.58	46	SSE	5	b	29.59	— .26	44	42	+ 13	S	5	0	*	51	?	—	
Nice ...	29.83	44	SSW	3	b	29.80	+ .14	42	41	— 4	ENE	1	r	1	54	39	0.04	
Perpignan ...	29.64	48	E	3	0	29.58	— .26	41	40	0	Z	0	0	*	54	38	—	
Biarritz ...	29.58	50	SW	4	0	29.47	— .33	50	49	+ 8	SSW	4	0	2	50	?	0.12	
CORUNNA.																		
Corunna ...	*	*	*	*	*													
Lisbon ...	29.79	52	W	4	r	29.68	— .31	53	51	+ 7	SW	7	C	4	55	?	0.32	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Saturday, 24th March

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.

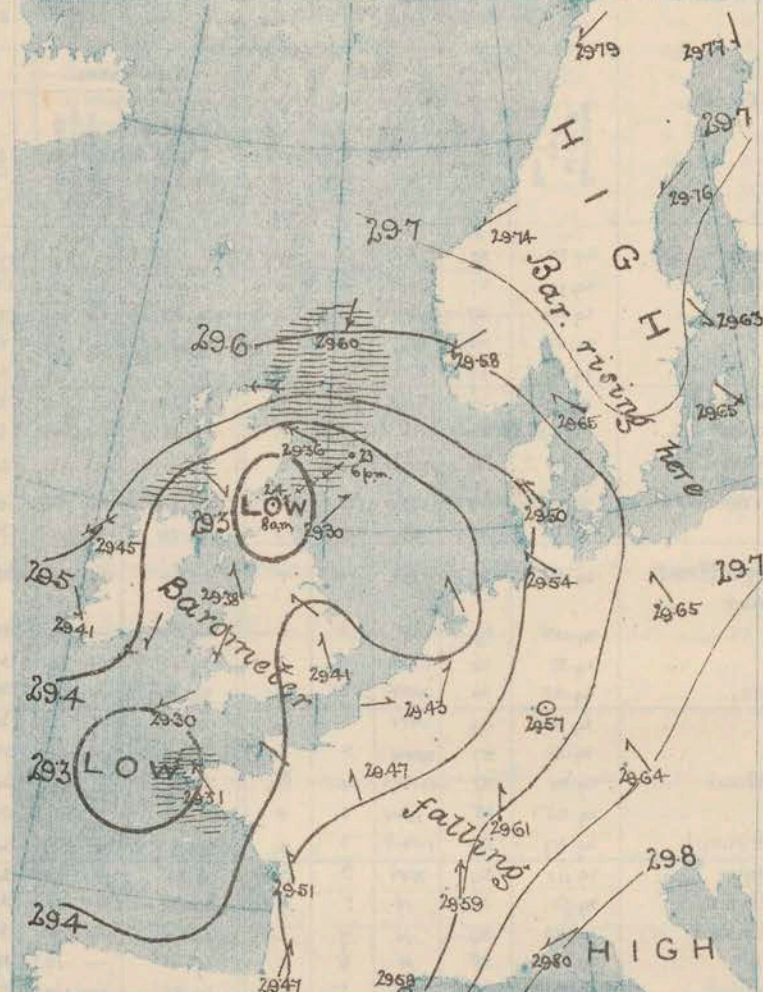
Sea Disturbance — where considerable is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.779
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.862
Shields	29.898
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.919
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.966
Dover	29.955
LONDON	29.967
Oxford	29.966
Cambridge	29.957
Yarmouth	29.935



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

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

Weather is shown by Letters of the Beaufort Scale.

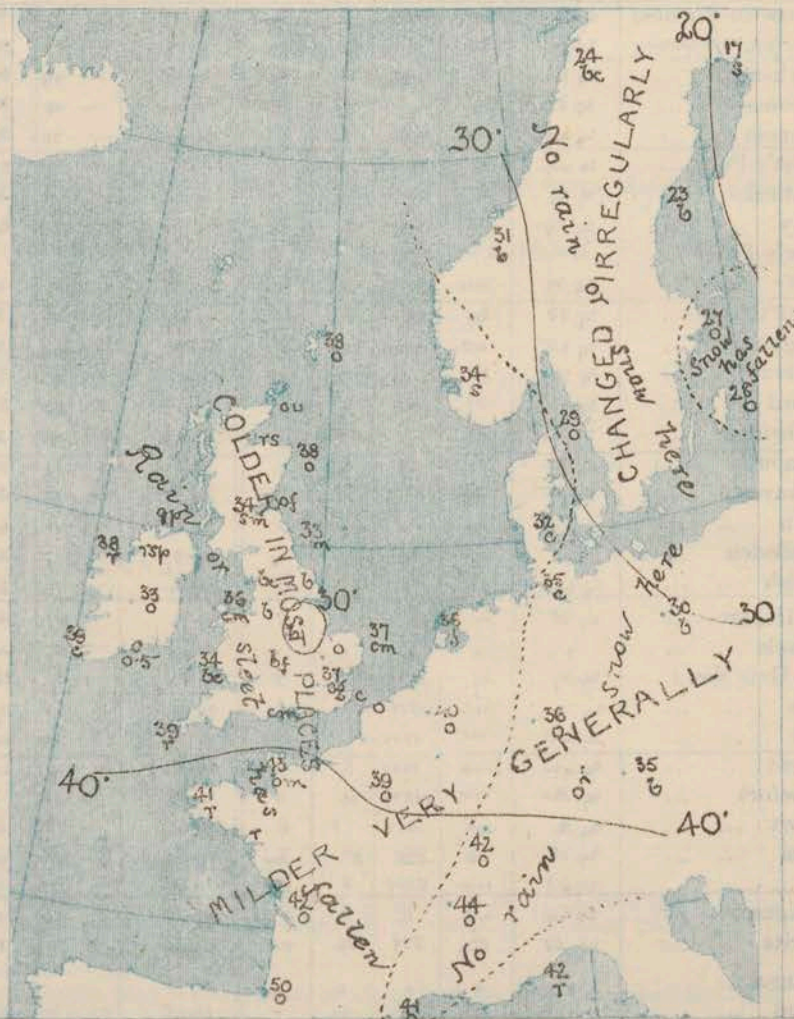
Rainfall A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of March

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry	Wet	
Sumburgh Head	42.0	34.0	38.5	37.1	2.92
Stornoway	44.9	34.4	39.2	38.0	3.87
Wick	44.7	33.9	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	36.3	1.72
Aberdeen	45.4	34.7	38.9	36.8	2.24
Leith	48.2	34.6	39.7	37.9	1.36
Shields	45.9	35.4	39.6	38.0	1.60
York	48.9	33.7	38.6	37.1	1.63
Loughborough	49.8	34.3	39.5	37.7	1.47
Ardrossan	46.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.0	39.7	1.99
Holyhead	47.0	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.60
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	39.5	42.0	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.9	40.5	44.7	42.7	2.32
Hurst Castle	48.3	37.7	41.6	40.7	1.80
Dover	46.0	37.8	41.6	39.9	1.86
LONDON	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	33.3	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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 29.7 ins. and upwards over Scandinavia, and also over the southeast of France; 29.6 ins. and upwards in Portugal.
Lowest 29.3 ins. and less in a small depression lying over the south of Scotland and also in another lying near the mouth of the Channel.
Gradients rather steep over the extreme North and Northwest of our Islands, but slight and irregular elsewhere.
Barometer rising on all but the West coasts of our Islands and France.

TEMPERATURE

Highest 53° at Lisbon, 50° at Biarritz, 44° at Lyons, 43° at Jersey and 42° at Rochefort, Belfast and Nice.
Lowest 17° at Haparanda, 23° at Hernösand, 24° at Bodo, 27° at Stockholm, 28° at Ulsby and Faerder, and 29° at Rügen and Loughborough.

WIND

Moderate S. in France; light SE over Germany, Denmark and the southeast of England.
Moderate N. or NW in Sweden; E. in Norway; strong to a gale from NE. on the North coasts of Ireland and Scotland.
Variable over the more central parts of our Islands.

WEATHER

Fair in Scandinavia, Denmark, Germany and the greater part of England.
Dull elsewhere with sleet showers over the northern parts of Ireland and Scotland, and rain in the northwest of France.
Rain or sleet fell generally yesterday, the largest amounts being 0.5 ins. at Rock's Point, and 0.4 ins. at Wick, Aberdeen and Leith.

SEA

Rough off the North coasts of Ireland and Scotland, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

With the present very irregular distribution of pressure it is almost impossible to say in which direction the disturbances over our Islands will travel. As the barometer is rising somewhat decidedly in Scandinavia and the North of Scotland, it is however, not unlikely that the Scotch depression will ultimately move slowly in a southerly direction. Some extension of the strong NE winds and gales is therefore probable.

FORECASTS

For the 24 hours ending at NOON on 25th March 1888.

DISTRICTS.

FORECASTS.

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

10th and 11th gales; squally, some snow.
7th and 11th winds, increasing in force; unsettled, some snow.
Wind shifting to the E. and freshening; fair to unsettled and some snow showers.
Same as N° 5.
Same as N° 5.
SE and E winds, light or moderate; weather very changeable, probably some sleet showers.

DISTRICTS.

FORECASTS.

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

Same as N° 1.
Same as N° 2.
W winds, fresh or strong; unsettled, some rain or sleet.
Same as N° 0.
NE winds, force doubtful; dull, some rain or sleet.
The NORTH CONE was hoisted yesterday in districts 0, 1, 6, 7, 9, 10 and part of 2.

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.	Ther.	Wet.	Wind.	Wet.	Sea.		Bar.	Ther.	Wet.	Wind.	Wet.	Sea.
Skudesnaes ...	29.51	40	35	E 3	o	3	Holyhead ...	29.46	39	35	NNE 5	6	5
Sumburgh Head ...	29.49	37	37	NE 3	r	4	Valencia ...	29.45	47	43	NNW 2	6	2
Stornoway ...							Scilly ...	29.43	45	42	NNW 5	c	4
Aberdeen ...	29.38	41	38	N 5	c	4	Dungeness ...	29.30	39	39	SW 5	r	4
Shields ...	29.36	36	36	NNW 4	r	4	London ...	29.32	38	37	N 2	og	*
Ardrossan ...	29.48	42	36	NW 3	c	2	Yarmouth ...	29.34	37	36	N 2	od	3
Malin Head ...	29.50	38	34	N 4	bc	4	Jersey ...	29.40	45	41	NNW 4	o	3
Mullaghmore ...	29.50	40	35	NE 7	bcwp	5	Rocheport ...	29.59	46	44	SSW 8	r	2
Belmullet ...	29.55	? 40	? 39	NE 8	c	5							

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

Yesterday morning observations showed that pressure was highest (30.5 ins. and more) over Southern Russia, but that the Atlantic anticyclone recently observed had disappeared from our neighbourhood. Over the British Isles and North Sea lay a depression very irregular in form and of little depth, so that while SW^{ly} and S^{ly} winds still prevailed over France, the south-east of England, the Netherlands, Denmark, and the south of Norway, and were accompanied by rain at times, N^{ly} breezes had set in over the greater part of the British Isles, with cold changeable weather and sleet at times. Over Eastern and Central Europe the winds were very light and variable, with cloudy weather and a few showers locally. Temperature was changing irregularly over Western Europe; in the north and west of the British Isles it was giving way again, while in the west and north of France and over Austria and Poland it was rising. It was below the freezing point over the whole of Russia, Scandinavia, Denmark, Western Germany, and part of Central France. The lowest individual values were 6° at Haparanda, 9° at Moscow, 12° at Kharkov, 21° at Archangel, 24° at Alermont, 26° at Rulvi and Christiania, 30° at Traper, 31° at Beaumont and Lynn; the highest were 57° at Brindisi, 54° at Biskra (Algeria), 53° at Baghara, 52° at Legna, 51° at Corunna, 46° at Lisbon and Nice, 44° at Jersey, Scilly and Brest, 43° in the south of Ireland, 42° in London, 41° at Hermannstadt and Budapest.

Later in the day the N^{ly} wind spread to London, and as the barometer began to rise in the extreme northwest a NE^{ly} gale set in over Scotland and the northwestern parts 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 Sunday 25th March 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. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.		Difference from 8 a.m. yesterday.	WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)				Dry.	Wet.		Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ..	29.47	14	N	2	0	29.72	-.05	11	12	-3	NNE	2	0	*	25	10	0.04		
Hernösand ...	29.63	23	Z	0	0	29.63	-.12	21	19	-2	ENE	4	5	*	26	19	—		
Stockholm ...	29.61	25	Z	0	0	29.50	-.13	23	23	-4	E	2	5	*	32	23	0.08		
Wisby ...	29.69	29	ENE	2	0	29.44	-.21	31	30	+3	ESE	4	5	*	34	27	0.08		
Bodö ...	29.58	24	ENE	2	6	29.52	-.27	23	19	-1	ENE	4	0	3	27	19	—		
Christiansund...	29.47	30	ENE	1	6	29.23	-.51	27	26	-4	E	2	6	3	36	25	—		
Skudesnaes ...	29.42	33	ENE	4	5	29.09	-.49	32	32	-2	ENE	4	5	3	34	32	—		
Christiania Fjord (Fjorder)	29.52	29	ENE	2	5	29.21	-.49	30	30	+2	NNE	2	f	1	32	27	—		
Skagen (The Scaw)	29.43	31	SE	1	0	29.21	-.44	32	31	+3	SW	2	0	1	32	28	0.0		
Fanö ...	29.36	33	S	3	m	29.19	-.31	31	31	-1	SSE	4	5	*	37	36	—		
BRITISH ISLANDS.																			
Sumburgh Head	29.52	37	NE	4	0	29.13	-.47	30	30	-8	Z	0	0	3	41	29	0.06		
Stornoway ...	29.58	40	NE	8	e	29.19	-.39	32	32	-6	NE	4	0	4	42	29	0.20		
Wick ...	29.50	37	E	5	0	29.13	-.40	34	32	-4	N	2	0	4	39	31	0.07		
Nairn ...	29.48	36	NE	7	5	29.17	-.24	32	31	-5	NNW	3	5	2	38	30	0.20		
Aberdeen...	29.41	37	NNE	3	r	29.09	-.27	33	32	-5	SSE	2	0	3	40	31	0.28		
Leith ...	29.42	36	W	1	0	29.15	-.11	35	32	+1	W	1	0	*	41	32	0.21		
Shields ...	29.39	40	E	1	6	29.09	-.21	34	34	+1	Z	0	5	3	43	29	0.05		
Spurn Head ...	29.38	38	ESE	3	6	29.09	-.28	34	33	0	NNE	1	0	2	43	33	0.08		
York ...	29.41	40	NNE	1	6	29.11	-.28	37	36	+4	NW	1	0	*	47	31	—		
Loughborough	29.39	42	E	1	0	29.15	-.25	33	33	+4	NW	1	5	*	46	29	0.27		
Ardrossan ...	29.42	36	SSW	2	om	29.14	-.16	35	33	+1	ENE	1	0	1	38	32	0.18		
Malin Head ...	29.39	39	NE	5	cpq	29.23	-.15	37	34	-1	N	3	0	3	40	34	0.09		
Mullaghmore ...	29.38	38	ENE	6	p	29.27	-.13	37	34	+1	N	5	0	4	40	34	0.22		
Belmullet ...	29.41	40	NE	7	ap	29.32	-.13	38	37	0	N	5	0	*	42	36	0.15		
Donaghadee ...	29.41	37	SSE	3	6	29.19	-.16	34	34	+1	E	5	rs	3	43	32	0.35		
Barrow-in-Furness	29.38	38	NNE	2	6	29.13	-.22	36	34	+4	NW	1	0	*	43	32	—		
Liverpool (Bidston)	29.38	41	ESE	2	6	29.16	-.23	35	34	0	W	1	0	2	45	33	0.02		
Holyhead ...	29.38	38	NE	3	6	29.19	-.19	35	34	-1	SSW	1	0	2	45	34	0.01		
Parsonstown ...	29.37	40	Z	0	6	29.29	-.11	31	29	-2	Z	0	5	*	43	25	0.01		
Valencia ...	29.38	41	N	3	cp	29.34	-.07	37	35	-2	N	3	0	3	45	35	0.14		
Roche's Point...	29.37	40	SW	1	6	29.29	-.11	34	32	-1	NNE	2	0	3	42	31	—		
Pembroke ...	29.33	40	ESE	3	0	29.21	-.16	39	37	+5	NW	2	0	1	41	34	—		
Scilly ...	29.38	39	N	5	r	29.23	-.07	41	38	+2	SSW	1	0	4	41	35	0.56		
Prawle Point ...	29.24	35	ENE	5	r	29.26	-.11	38	37	0	W	3	0	2	41	31	0.29		
Jersey ...	29.25	44	SSE	4	6	29.33	-.06	41	38	-2	SW	4	0	3	44	38	0.22		
Hurst Castle ...	29.30	39	ESE	5	r	29.18	-.22	38	37	+2	W	6	0	3	43	36	0.17		
Dungeness ...	29.39	40	E	4	0	29.13	-.27	40	38	+4	WSW	5	0	5	45	35	0.14		
London ...	29.38	42	E	2	om	29.13	-.28	34	33	-3	SW	3	0	*	47	34	0.16		
Oxford ...	29.33	38	E	1	r	29.13	-.29	33	33	+1	NNW	1	5	*	44	32	0.33		
Cambridge ...	29.41	41	E	1	0	29.09	-.34	35	34	+1	NE	1	0	*	48	32	0.12		
Yarmouth ...	29.45	38	E	2	6	29.10	-.27	34	34	-3	Z	0	0	3	40	32	0.39		
Cuxhaven ...	29.53	37	S	2	0	29.31	-.23	36	36	+1	S	2	f	*	39	33	—		
Berlin ...	29.59	41	SSE	1	0	29.44	-.21	40	37	+10	S	3	0	*	45	30	—		
Wiesbaden ...	*	*	*	*	*	29.46	-.11	43	41	+7	Z	0	r	*	40	36	0.08		
Munich ...	29.64	40	NE	1	6	29.56	-.08	43	40	+8	WSW	7	0	*	54	35	—		
FRANCE & NETHERLANDS.																			
The Helder ...	29.47	34	SSW	1	6	29.15	-.21	37	—	+1	SSW	4	0	3	39	32	0.12		
Brussels ...	*	*	*	*	*	29.34	-.09	44	41	+4	SW	5	0	*	47	40	0.08		
Cape Gris Nez...	29.43	43	SW	1	6	29.18	-.21	40	38	+4	SW	7	0	5	45	36	0.20		
Paris ...	29.43	47	SE	3	r	29.41	-.06	44	41	+5	SSW	5	0	*	50	34	—		
Brest ...	29.28	40	W	5	0	29.37	+0.06	42	39	+3	W	5	0	4	46	37	0.20		
Lorient ...	29.36	45	WSW	4	6	29.38	+0.04	43	40	+2	W	3	0	4	48	39	0.35		
Rocheport ...	29.32	47	SW	5	0	29.55	+0.04	46	44	+4	SW	5	r	2	54	39	0.08		
Belfort ...	29.64	45	S	1	r	29.63	+0.02	46	43	+4	S	1	0	*	48	41	0.28		
Lyons ...	29.61	50	SSW	7	0	29.59	+0.00	48	—	+4	SSW	5	0	*	52	44	—		
Nice ...	29.82	44	E	1	r	29.87	+0.01	46	44	+4	ENE	3	0	5	54	41	0.18		
Perpignan ...	29.58	32	Z	0	6	29.67	+0.09	43	42	+2	NE	3	0	*	57	36	—		
Biarritz ...	29.57	52	NW	3	r	29.57	+0.00	54	48	+4	SW	5	0	2	63	45	0.24		
PENINSULA.																			
Corunna ...	*	*	*	*	*	29.58	+0.13	48	46	0	SSW	4	r	4	55	45	0.04		
Lisbon ...	29.73	55	SW	7	r	29.78	+0.10	56	54	+3	SSW	8	0	5	57	53	0.71		

For Explanation of Columns, see p. 4.

WEATHER

CHARTS

for 8 a.m. on

Sunday, 25th March.

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.

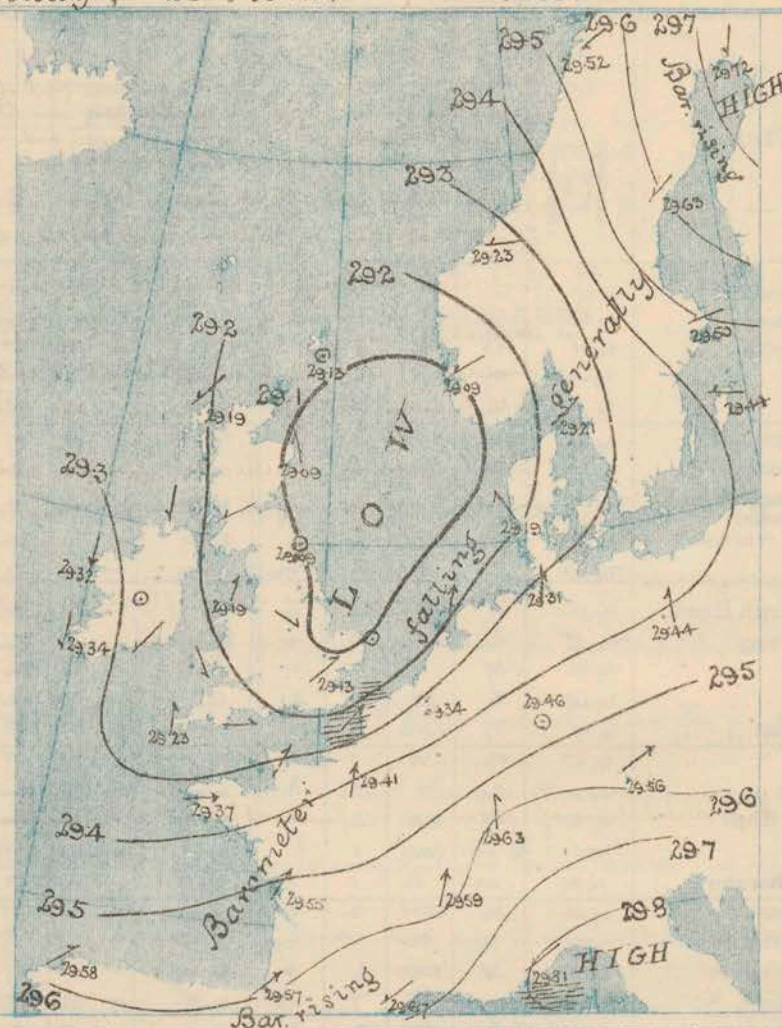
Sea Disturbance — where considerable is shown thus.

— Rough. — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head.	29.751
Stornoway.	29.779
Wick.	29.797
Nairn.	29.815
Aberdeen.	29.830
Leith.	29.862
Shields.	29.896
York.	29.925
Loughborough.	29.948
Ardrossan.	29.876
Dunghaden.	29.892
Holyhead.	29.919
Liverpool.	29.925
Parsonstown.	29.940
Valencia.	29.938
Roche's Point.	29.941
Pembroke.	29.944
Scilly.	29.966
Jersey.	29.971
Hurst Castle.	29.966
Dover.	29.955
LONDON.	29.967
Oxford.	29.966
Cambridge.	29.957
Yarmouth.	29.938



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

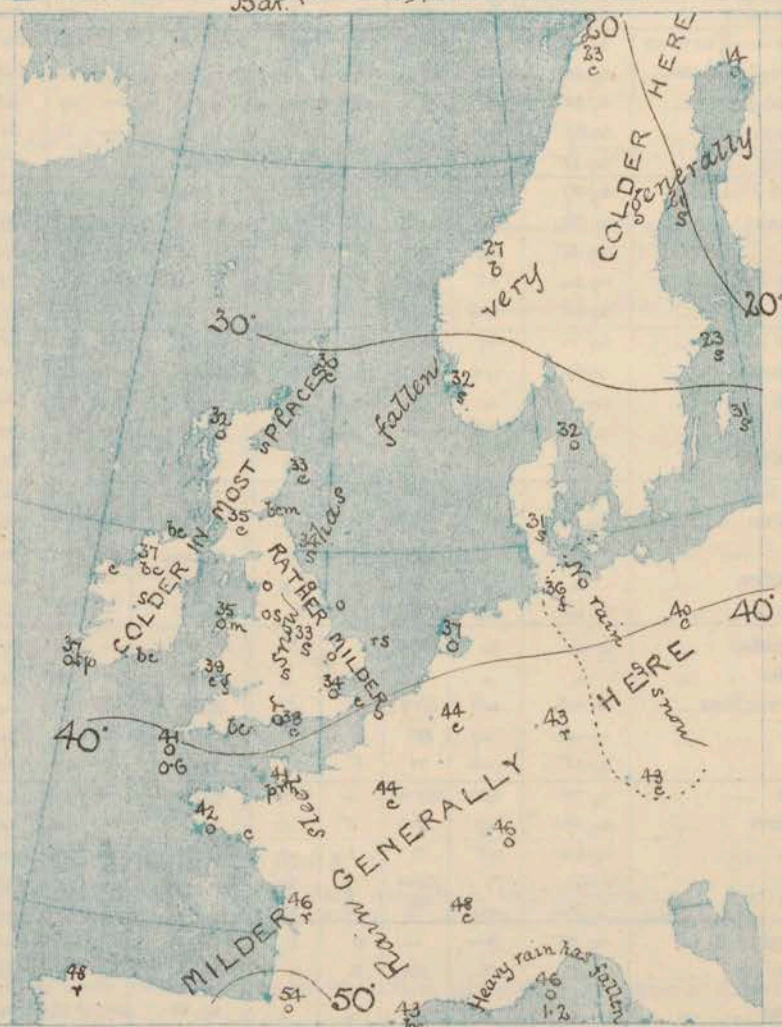
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
			Dry	Wet	
Sumburgh Head.	42.6	34.0	38.5	37.1	2.92
Stornoway.	44.9	34.4	39.2	38.0	3.87
Wick.	44.7	33.9	39.1	37.2	1.97
Nairn.	45.6	34.2	38.2	36.3	1.72
Aberdeen.	45.4	34.7	38.9	36.8	2.24
Leith.	48.2	34.6	39.7	37.9	1.36
Shields.	45.9	35.4	39.6	38.0	1.60
York.	48.9	33.7	38.6	37.1	1.63
Loughborough.	49.8	34.3	39.5	37.7	1.47
Ardrossan.	46.8	36.6	40.5	38.7	2.59
Dunghaden.	47.3	37.1	41.0	39.7	1.99
Holyhead.	47.6	39.2	42.5	41.0	2.21
Liverpool.	47.3	37.1	40.8	38.7	1.69
Parsonstown.	50.1	35.5	41.2	39.6	2.35
Valencia.	51.6	40.6	45.4	43.4	4.24
Roche's Point.	50.2	40.0	43.8	42.1	3.71
Pembroke.	47.1	39.5	42.6	40.8	2.45
Scilly.	49.9	43.0	46.5	44.7	2.38
Jersey.	49.9	40.5	44.7	42.7	2.32
Hurst Castle.	48.3	37.7	41.6	40.7	1.80
Dover.	46.9	37.8	41.6	39.9	1.86
LONDON.	50.6	35.8	40.6	38.7	1.43
Oxford.	49.5	35.2	39.4	37.9	1.52
Cambridge.	50.6	33.3	39.2	37.7	1.33
Yarmouth.	45.7	35.8	40.8	39.1	1.77

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.6 ins. to 29.8 ins. over the southern parts of France and Spain and also over the northern parts of Sweden and Lapland.
Lowest, 29.1 ins. and less, in a depression lying over the North Sea and East of England.
Gradients, moderate, for S.W. winds in France and Holland, and for E. winds in Scandinavia—slight elsewhere, favourable for N. winds in our Islands.
Barometer falling—most over the North Sea—rising in Spain.

TEMPERATURE

Highest, 56° at Lisbon, 54° at Biarritz, 48° at Courmayeur and Lyons, 44° at Paris, 41° at Sicily, 40° at Berlin.
Lowest, 14° at Haparanda, 23° at Rode and Stockholm, 30° at Lumburg, 41° at Carlsbad and Tams and 34° in London.
Lower than the Mean for March by 10° over Central Ireland to 5° or 6° over England.

WIND

Moderate S.W. and W. over France and the Bay of Biscay, rather strong in the Eastern part of the Channel.
Moderate S. in Holland and Denmark, light to moderate N. over Ireland and Scotland.
Light to moderate N.E. over Scandinavia, nearly calm over the midland and northern counties.

WEATHER

Cold, changeable and unsettled—showers of cold rain or snow at several stations spread over the whole of Northwestern Europe.
In some localities the fall has been heavy—especially at Pembroke and Nice.

SEA

Rather rough in the Straits of Dover and at Nice, moderate to slight in nearly all other places.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure is favourable for a continuance of cold, rainy unsettled weather—with snow in several places.

FORECASTS

for the 24 hours ending at NOON on 26th MARCH 1888.

DISTRICTS.

- 10 { SCOTLAND NORTH
- 7 { 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

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 S. cone which was hoisted on Friday in districts 0, 1, 6, 7, 9, 10, and part of 2 was lowered again yesterday except in district 0.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.55	34	33	ENE 4	s	4	Holyhead ...	29.40	44	38	SSW 2	0	3
Sumburgh Head ...	29.59	39	39	NE 5	o	6	Valencia ...	29.40	43	39	NNE 2	cm	3
Stornoway ...	29.59	40	38	NE 8	o	6	Scilly ...	29.26	38	38	NE 5	r	4
Aberdeen ...	29.43	39	38	ENE 3	af	3	Dungeness ...	29.45	44	42	S 2	bc	1
Shields ...	29.40	42	36	W 1	c	3	London ...	29.41	45	42	SSE 2	c	*
Ardrossan ...	29.38	38	37	E 1	om	1	Yarmouth ...	29.45	40	38	NNE 1	bc	2
Malin Head ...	29.44	39	38	NNE 5	ap	5	Jersey ...	29.30	43	41	E 3	rg	3
Mullaghmore ...	29.38	39	38	N 5	op	4	Rochefort ...	29.40	50	49	SSW 8	r	3
Belmullet ...	29.44	39	38	NE 8	rhp	*							

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

The reports for yesterday morning showed that pressure was highest 30.1 ins. and upwards over the south of Russia, but relatively high 29.9 ins. and upwards over Algeria and Tunis. Over Northern and North-western Europe readings were low and the distribution of pressure very irregular, small depressions being found respectively over the Gulf of Finland, the southern part of the North Sea, the south of Scotland and the mouth of the English Channel. Over the more central and southern parts of Europe the wind was chiefly SW^{ly}, and moderate or fresh in force, but in the extreme north and northwest it was NE^{ly}, and in the northern parts of Scotland and Ireland it blew with the force of a gale. In Germany, Denmark and the southeast of England light or moderate SE^{ly} breezes were reported, while at the Baltic stations the wind circulated round the small depression lying over the Gulf of Finland. Snow was falling in Finland and the Baltic provinces, sleet showers over the northern parts of Ireland and Scotland, and rain at several of the French stations, but elsewhere the weather was mostly fair. Temperature had fallen a few degrees in our Islands and the north of France, but elsewhere the changes were somewhat irregular; readings ranged from 50° and 60° over Algeria, Spain and South Italy to 15° or less, over Northern Russia. The highest individual readings were 59° at Khiridin, 57° at Barcelona, 56° at San Fernando, Malta, Oran and Algiers, 55° at Palermo, and 54° at Jaffa; the lowest were 8° at Archangel, 13° at Moscow, 17° at Haparanda, 19° at Uleaborg, 21° at Kharkov, 24° at Rode, 25° at Kuopio, 28° at Stockholm and Nisby, and 29° at Lwinmendi, Chagen, and Loughborough.

In the course of the day the small depression over the south of Scotland gradually filled up but the disturbance lying near the mouth of the Channel advanced slowly eastwards, and occasioned rain and sleet over the south of England. Temperature over our Islands remained low for the time of year.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Monday, 26th March

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. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ..	29.69	3	W	0	b	29.61	-.11	4	3	- 10	E	4	0	*	21	?	-		
Hernösand ...	29.55	15	ENE	6	c	29.22	-.41	16	15	- 5	NE	6	5	*	30	14	0.08		
Stockholm ...	29.19	32	SE	6	s	29.04	-.46	33	32	+ 10	S	2	5	*	33	19	0.24		
Wisby ...	29.25	34	SW	4	0	29.17	-.27	33	32	+ 2	SW	6	0	*	37	27	0.28		
Bodö ...	29.49	19	ENE	6	b	29.34	-.18	19	17	- 4	ESE	6	6	?	?	?	-		
Christiansund...	29.06	32	E	1	bc	28.93	-.30	32	31	+ 5	ESE	1	bc	2	36	?	-		
Skudesnaes ...	28.97	33	ENE	2	s	28.93	-.16	34	33	+ 2	E	2	0	2	34	32	-		
Christiania Fjord (Færder)	29.06	31	ENE	3	s	28.96	-.25	27	27	- 3	N	5	f	1	32	23	-		
Skagen (The Scaw)	28.99	33	S	3	0	28.99	-.22	32	32	0	SW	3	0	2	?	30	0.04		
Fanö ...	29.02	32	SW	4	0	29.05	-.14	31	31	0	SE	3	f	*	37	30	0.04		
BRITISH ISLANDS.																			
Sumburgh Head	29.00	36	NE	4	0	28.97	-.16	33	32	+ 3	N	3	csp	4	39	30	0.01		
Stornoway ...	28.99	35	E	2	c	28.99	-.14	37	36	+ 3	N	3	csp	3	40	32	0.11		
Wick ...	29.00	36	NNE	1	c	28.98	-.19	34	33	+ 2	N	3	c	3	37	31	0.05		
Nairn ...	?	34	NW	2	c	28.92	-.17	34	33	+ 1	NW	2	rsp	2	40	30	0.10		
Aberdeen...	28.97	34	W	1	s	28.97	-.18	31	30	- 4	W	1	em	*	39	28	0.08		
Leith ...	28.98	35	W	0	c	28.97	-.12	33	32	- 1	W	1	em	2	38	27	0.06		
Shields ...	29.02	36	SSE	2	m	29.00	-.09	33	32	- 1	SW	3	em	2	42	30	0.14		
Spurn Head ...	29.10	38	W	1	bc	28.99	-.12	34	32	- 3	S	1	c	*	46	28	-		
York ...	29.06	37	SE	1	0	29.00	-.15	31	31	- 2	ESE	1	S	*	40	29	0.09		
Loughborough	28.96	38	E	1	c	29.00	-.14	34	31	- 1	N	1	b	0	41	29	0.01		
Ardrossan ...	28.99	35	N	2	b+sp	29.05	-.18	35	33	- 2	NE	3	bsp	3	39	32	0.01		
Malin Head ...	28.98	37	NW	4	chp	29.06	-.21	36	34	- 1	NE	4	b	2	41	29	0.13		
Mullaghmore ...	29.02	36	ENE	5	0	29.10	-.22	34	32	- 4	SE	1	OS	*	41	31	0.34		
Belmullet ...	28.98	33	SSE	2	c	29.00	-.19	37	34	+ 3	NE	5	b	4	42	31	0.28		
Donaghadee ...	28.96	37	NW	3	bc	28.97	-.16	30	?	- 6	NE	1	bc	*	42	30	0.18		
Barrow-in-Furness	29.00	34	WSW	2	0	28.99	-.17	33	32	- 2	SSE	1	bc	2	41	30	0.02		
Liverpool (Bidston)	29.01	38	W	2	b	28.98	-.21	37	36	+ 2	W	0	bcmst	0	43	32	0.18		
Holyhead ...	29.01	40	W	0	0	29.08	-.21	26	26	- 5	W	0	f	*	43	24	0.02		
Parsonstown ...	29.12	38	WSW	4	0	29.08	-.26	37	35	0	ENE	1	bcm	1	45	30	0.29		
Valencia ...	29.07	42	NW	4	bc	29.05	-.24	34	32	0	N	3	b	3	44	31	-		
Roche's Point...	29.06	38	W	3	bc	29.01	-.20	38	37	- 1	NW	3	c	3	41	33	0.16		
Pembroke ...	29.14	40	NW	5	c	29.05	-.18	41	39	0	W	5	r	5	41	37	0.31		
Scilly ...	29.10	35	W	4	0	29.09	-.17	40	39	+ 2	WSW	5	7c	4	44	34	0.25		
Prawle Point ...	29.16	43	SSW	5	cgu	29.24	-.09	44	40	+ 3	SSW	5	b	5	49	36	0.21		
Jersey ...	29.17	37	SW	5	c	29.09	-.09	37	37	- 1	WSW	8	rt hq	6	44	36	0.27		
Hurst Castle ...	29.15	40	WSW	3	c	29.11	-.02	41	39	+ 1	WSW	7	c	6	43	35	0.10		
Dungeness ...	29.09	41	S	2	c	29.04	-.09	38	37	+ 4	S	4	OS	*	44	32	0.15		
London ...	29.03	33	W	2	s	28.99	-.14	36	35	+ 3	SW	3	OS	*	42	29	0.42		
Oxford ...	29.02	38	W	0	0	29.01	-.08	33	33	- 2	S	1	f	*	41	29	0.21		
Cambridge ...	29.10	37	WSW	2	c	29.07	-.03	33	33	- 1	SW	3	S	4	38	30	0.19		
Yarmouth ...	29.21	39	SW	4	r	29.15	-.16	37	37	+ 1	SW	2	c	*	42	31	0.10		
Cuxhaven ...	29.35	42	SW	2	0	29.29	-.15	39	37	- 1	SW	2	0	*	46	36	-		
Berlin ...	*	*	*	*	*	29.36	-.10	42	40	- 1	SW	5	r	*	46	37	0.43		
Wiesbaden ...	29.53	45	W	7	0	29.57	+0.1	37	36	- 6	SW	4	r	*	57	36	0.28		
Munich ...	29.17	36	SW	3	0	29.06	-.01	36	34	- 6	WSW	7	c	4	39	34	0.04		
The Helder ...	*	*	*	*	*	29.33	-.01	38	36	- 6	SW	5	c	*	50	34	0.24		
Brussels ...	29.15	42	SW	5	bc	29.20	+0.02	41	40	+ 1	WSW	8	0	6	46	36	0.04		
Cape Gris Nez...	29.33	45	SW	5	c	29.43	+0.02	38	?	- 6	SW	4	b	*	49	36	0.12		
Paris ...	29.24	41	NW	5	0	29.24	-.13	46	42	+ 4	SW	7	bc	5	46	36	0.20		
Brest ...	29.26	44	W	9	c	29.32	-.06	44	41	+ 1	SW	5	bc	5	48	37	0.21		
Lorient ...	29.52	48	SW	8	0	29.54	-.01	46	43	0	SW	4	0	2	50	41	0.12		
Rochefort ...	29.51	43	W	3	r	29.57	-.06	37	37	- 9	W	3	r	*	?	31	0.08		
Belfort ...	29.50	56	S	8	0	29.65	?	42	39	?	SSW	1	r	*	62	40	0.12		
Lyons ...	29.79	57	E	1	0	29.71	-.10	48	48	+ 2	E	1	f	4	54	46	0.08		
Nice ...	29.58	50	W	0	0	29.60	-.07	45	44	+ 2	W	1	c	*	61	42	-		
Perpignan ...	29.61	49	NW	7	r	29.52	-.05	45	43	- 9	ESE	4	0	2	57	43	0.39		
Biarritz ...	*	*	*	*	*														
Corunna ...	*	*	*	*	*														
Lisbon ...	*	*	*	*	*														

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Monday, 26th March 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

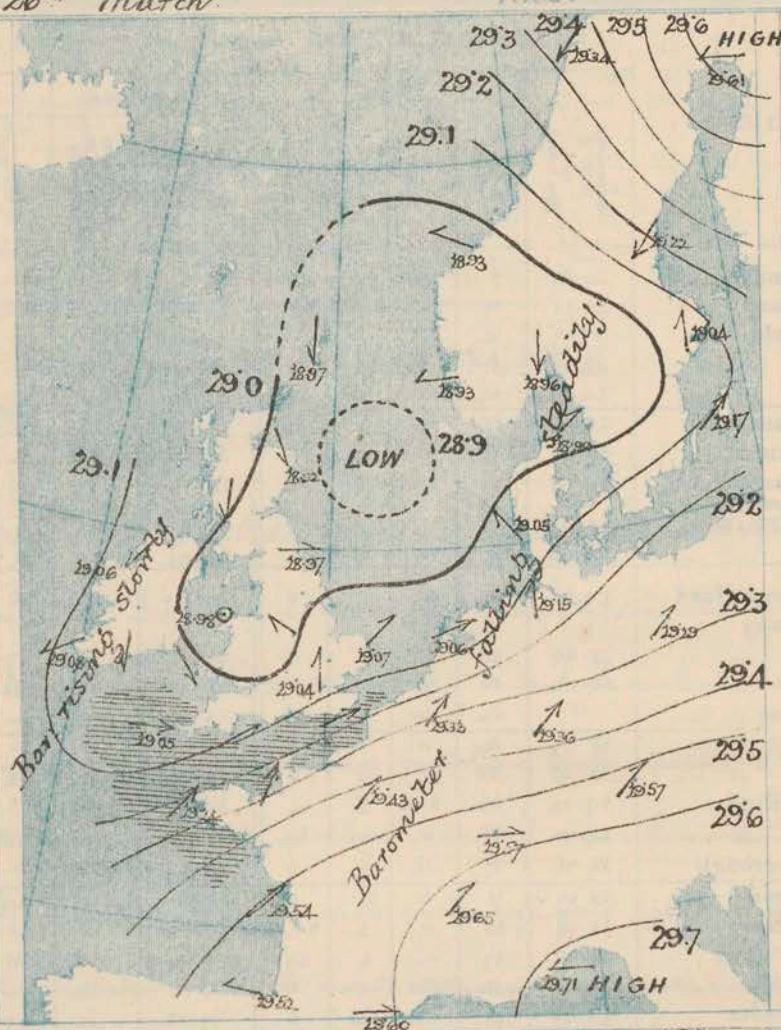
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus —
 * — forces above 10; — forces 8 to 10;
 — forces 5 to 7; — forces 1 to 4;
 ⊙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

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburg Head	29.751
Stornoway	29.779
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.882
Shields	29.896
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.919
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.966
Dover	29.955
LONDON	29.967
Oxford	29.960
Cambridge	29.957
Yarmouth	29.938



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

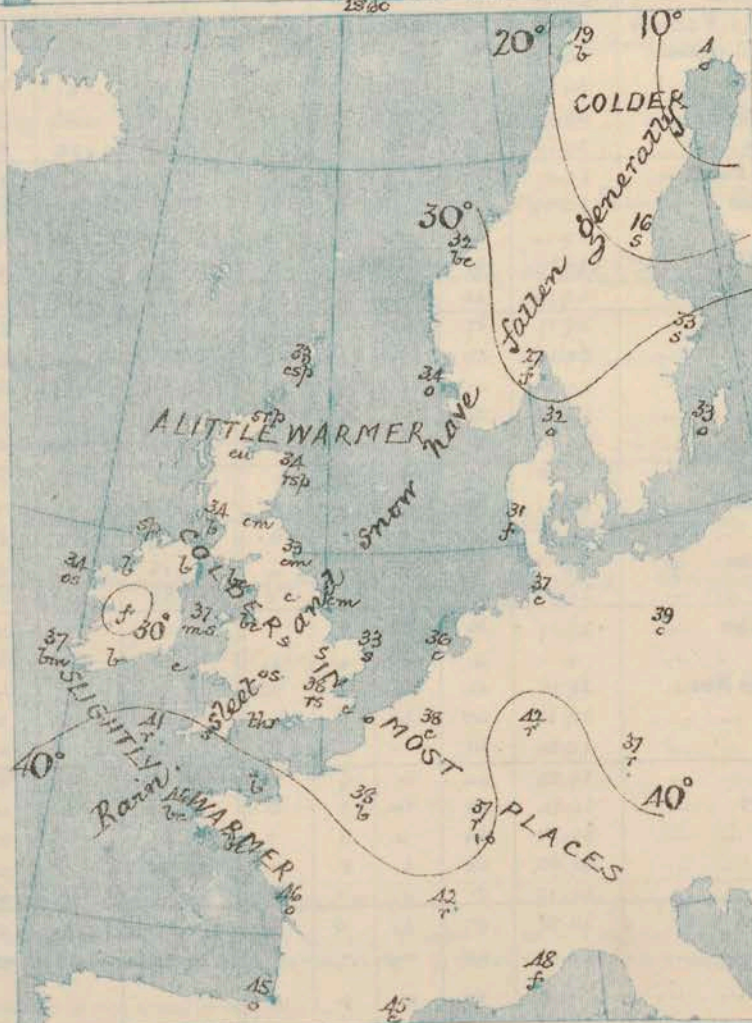
Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.
Weather — is shown by Letters of the Beaufort Scale.
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted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

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
 for the month of March.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
			Dry.	Wet.	
Sumburg Head	42.6	34.0	38.5	37.1	2.92
Stornoway	44.9	34.4	39.2	38.0	3.37
Wick	44.7	33.9	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	36.3	1.72
Aberdeen	45.4	34.7	38.9	36.8	2.24
Leith	48.2	34.6	39.7	37.9	1.36
Shields	45.0	35.4	39.6	38.0	1.60
York	48.9	33.7	38.6	37.1	1.03
Loughborough	49.8	34.3	39.6	37.7	1.47
Ardrossan	46.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.0	39.7	1.99
Holyhead	47.6	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.9	42.1	3.71
Pembroke	47.1	39.5	42.6	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.9	40.5	44.7	42.7	2.32
Hurst Castle	48.3	37.7	41.6	40.7	1.80
Dover	46.9	37.8	41.6	39.9	1.66
LONDON	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	33.8	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.5 in. to 29.7 in. over the southern half of France — 29.5 in. to 29.6 in. (or more) over the East of Lapland.
Lowest, 29.0 in. and less, over the south of Norway, the North Sea, Scotland, Wales and the north of England.
Gradients, rather steep for SW winds over the Channel and France, moderate for SE winds over the northern half of Scandinavia, slight and irregular elsewhere. Barometer unsteady.

TEMPERATURE

Highest, 48° at Nice, 46° at Rochefort and Brest, 44° at Jersey, 41° at Scilly and Dungeness.
Lowest, 4° at Haparanda, 16° at Helsingfors, 19° at Bodø, 26° at Porsmorken, and 30° at Rannar in Finmark.
It is 15° below the average over Central Iceland and 6° to 8° below over Great Britain.

WIND

SW at the southern stations — moderate to fresh in most places, but a moderate to fresh gale over the eastern part of the Channel.
NE and N, light to moderate in Ireland and Scotland — NE, strong in the north of Sweden.
Variable and light over the North Sea and north of England.

WEATHER

Very changeable and unsettled generally — Clear just now at several of the western stations.
Cloudy or overcast elsewhere, with rain sleet or snow in several places, and thunderstorms in the Channel.
Cold showers have been very general during the past day.

SEA

Rough in the south, moderate in the far north, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is unsteady, and the present distribution of pressure is favourable for a continuance of cold, showery, unsettled weather.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

N^w winds, cold, sleet and snow.

-----D°-----D°-----D°-----

Variable light winds, unsettled, sleet and cold rain at times.

Same as N° 5

Same as N° 2

SW^w and W^w winds, strong, squally, cold rain and sleet at times, some bright intervals.

DISTRICTS.

FORECASTS.

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

NE^w breezes, moderate, cold showers with bright intervals.

-----D°-----D°-----D°-----

NW^w winds, fresh to moderate, cold some cold showers locally.

N^w winds, moderate, cold showers with bright intervals. Sharp frost at night.

-----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 ...	29.01	34	32	E 2	S	3	Holyhead ...	29.08	37	36	W.S.W 4	o.h.p	3
Sumburgh Head							Valencia ...						
Stornoway ...	29.06	37	36	N.E 4	S	4	Scilly ...						
Aberdeen ...							Dungeness ...	29.19	43	40	W.S.W 6	c	5
Shields ...							London ...						*
Ardrossan ...							Yarmouth ...						
Malin Head ...	29.01	34	34	N.W 3	c	2	Jersey ...	29.25	42	40	S.W 4	bc	3
Mullaghmore ...							Rocheport ...	29.56	49	46	S.W 7	o	3
Belmullet ...	29.17	37	37	N.W 3	S	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that while the highest pressures, 30.1 ins. and upwards, were reported over Algeria and Tunis, two large areas of low readings existed over northern and northwestern Europe. One of these in which the barometer was below 29.5 ins. lay over northern Russia, while the other with readings below 29.1 ins. was found over the North Sea and the East of England. With these conditions fresh S.W. and W. winds prevailed over the greater part of southern and central Europe, and S.E. or E. breezes over the more eastern countries. Over the eastern shores of the Baltic however, and in Ireland the wind was N., while in Scandinavia it varied between E and N.E. The weather was in a changeable, unsettled state generally, with snow in many parts of northern and northwestern Europe, and rain at some of the French and German stations. Temperature had fallen a little in the North and northwest, but risen elsewhere; readings ranged from between 55° and 65° at several of the Spanish, Algerian and Italian stations to 54° and less over northern Europe. The highest individual readings were 63° at Cagliari, 62° at Algiers, 60° at Barcelona and Palermo, 59° at Brindisi, 57° at Malta, and 56° at Lisbon and Oren; the lowest were 3° at Archangel, 8° at Uleaborg, 9° at Kuopio, 14° at Naparanda, 21° at Hernösand, 22° at Moscow, and 23° at Stockholm and Helsingfors. In the course of the day very little change was observed either in pressure or wind. A temporary improvement in the weather took place over our Islands, but temperature remained low for the time of year, the maximum readings being below 45° even at our extreme southern stations.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 18TH TO THE 24TH MARCH 1888.

In the course of this week there has been a material change of weather from the conditions which prevailed during the previous week. For the first few days very cold biting N.E. winds were prevalent, which blew with greater strength at the southern and eastern stations than elsewhere. These were accompanied by showers of dry fine snow, or sleet, which were prevalent mainly at the southern and southeastern stations, and during their continuance the barometer was highest in the northwest, North and northeast, and lowest in the South and southeast. Temperature was much below the average, and the general appearance was essentially wintry.

On the 21st, however, a change began to appear. The high pressure areas in the northwest and northeast, and their connecting "col" began to move southeastward, and S.W. winds set in over Norway and the extreme North of our Islands, bringing with them milder weather, and at times, rain. A depression soon moving northeastwards, appeared in the far North, while a secondary disturbance, irregular in form, advanced over the northern parts of our Islands, and moved southeastward. The rise of temperature which ensued was decided, but less so than at first seemed probable, and the rainfall was slight. The more northerly system passed rapidly away, and as the secondary (which was of a complex character) moved southeastwards, N. and N.E. winds again set in over the country, and for a time blew very hard in the extreme north and northwest.

At the close of the week the low pressure area, - still undergoing great modifications in form, without growing deeper - showed signs of moving eastwards; but, while the general condition remained unsettled the gales in the North died down.

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, 27th March

1888.

Issued by the Meteorological Office, 116, Victoria Street, London, A. 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.		Amount of Rainfall.															
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)		Weather.	Max.		Min.														
SCANDINAVIA.																															
Haparanda ..	29.27	10	SE	6	a	29.18	- .43	9	9	+ .5	NE	4	bc	*	14	0	0.04														
Hernösand ...	29.15	15	NE	2	c	29.24	+ .02	7	7	- .9	NE	2	bc	*	19	?	0.04														
Stockholm ...	29.11	33	SSW	2	o	29.09	+ .05	26	24	- .7	Z	0	o	*	39	?	0.12														
Wisby ...	29.12	34	W	4	c	29.15	- .02	35	34	+ .2	WSW	4	c	*	41	32	-														
Bodö ...	29.12	19	ESE	6	bc	29.07	- .27	17	15	- .2	ESE	6	b	3	21	16	-														
Christiansund...	28.88	34	SW	2	c	28.84	- .09	31	28	- .1	E	4	bc	2	37	23	-														
Skudesnaes ...	28.93	33	SSW	4	S	28.84	- .09	34	33	0	SSE	4	o	3	?	33	-														
Christiania Fjord (Færder)	29.03	29	Z	0	o	28.98	+ .02	30	29	+ .3	ESE	3	f	1	?	23	-														
Skagen (The Scaw)	29.02	31	SW	1	c	28.97	- .02	31	31	- .1	S	2	o	1	34	28	-														
Fanö ...	29.08	31	SW	2	o	28.97	- .08	32	32	+ .1	SW	2	S	*	35	30	0.16														
BRITISH ISLANDS.																															
Sumburgh Head	28.96	33	N	3	bc	28.77	- .20	32	31	- .1	N	1	c	3	40	28	0.02														
Stornoway ...																															
Wick ...	29.00	36	N	3	c	28.82	- .17	32	32	- .5	NW	2	bc	2	41	26	0.10														
Nairn ...	29.00	36	NNE	3	o	28.87	- .11	30	30	- .4	Z	0	c	1	40	30	0.02														
Aberdeen...	28.96	35	NNW	1	bc	28.86	- .06	31	30	- .3	NW	2	o	1	37	30	0.30														
Leith ...	29.00	35	W	1	o	28.89	- .08	33	31	+ .2	W	1	cm	*	42	30	0.20														
Shields ...	29.00	40	W	1	b	28.93	- .04	34	32	+ .1	W	1	cm	2	41	27	0.01														
Spurn Head ...	29.04	37	SSW	2	o	28.99	+ .01	34	32	+ .1	WSW	3	bcn	2	43	31	0.03														
York ...	29.03	40	WNW	1	bc	28.99	- .00	33	32	- .1	S	1	b	*	45	28	-														
Loughborough	29.07	39	WSW	1	c	29.06	+ .06	34	31	+ .3	WSW	2	b	*	44	30	0.07														
Ardrossan ...	29.02	42	W	3	b	28.90	- .10	35	34	+ .1	WNW	1	sp	1	45	32	0.04														
Malin Head ...	29.08	38	N	4	bsp	28.95	- .10	31	31	- .4	NNW	2	asp	3	40	30	0.01														
Mullaghmore ...	29.12	37	NNE	4	bcs	29.00	- .06	34	33	- .2	WSW	4	csp	2	42	30	0.13														
Belmullet ...	29.18	35	WNW	2	o	28.99	- .11	33	32	- .1	S	3	os	*	38	29	0.65														
Donaghadee ...	29.07	40	N	3	b	28.95	- .05	34	32	- .3	NW	3	b	1	43	31	0.01														
Barrow-in-Furness	29.04	37	NW	2	b	28.97	- .00	37	35	+ .7	SW	3	bc	*	41	29	-														
Liverpool (Bidston)	29.07	37	WNW	2	b	29.00	+ .01	36	32	+ .3	SW	3	b	3	40	31	0.01														
Holyhead ...	29.09	37	WNW	1	b	29.01	+ .03	39	36	+ .2	W	3	basp	2	43	33	0.06														
Parsonstown ...	29.13	37	NW	1	bc	29.07	- .01	30	30	+ .4	Z	0	o	*	42	25	-														
Valencia ...	29.17	41	N	3	bv	29.12	+ .04	40	38	+ .3	N	1	bcn	1	45	32	-														
Roche's Point...	29.14	45	SE	1	b	29.10	+ .05	35	32	+ .1	W	1	b	3	46	31	-														
Pembroke ...	29.08	38	N	3	bc	29.07	+ .06	32	36	0	W	3	bc	2	42	33	-														
Scilly ...	29.06	40	NNW	2	r	29.09	+ .04	41	37	0	NNE	2	c	4	43	38	0.26														
Prawle Point ...	29.05	41	WSW	5	c	29.10	+ .01	36	35	- .4	NNE	3	og	2	41	29	0.28														
Jersey ...	29.13	46	SSW	3	og	29.11	- .13	43	41	- .1	SW	5	ogm	4	51	41	0.02														
Hurst Castle ...	29.08	43	WSW	5	c	29.11	+ .02	35	35	- .2	ESE	1	o	4	45	34	0.18														
Dungeness ...	29.13	43	SW	4	c	29.08	- .03	40	39	- .1	WSW	4	r	4	46	39	0.01														
London ...	29.08	41	W	3	org	29.09	+ .05	34	34	- .4	W	1	c	*	46	33	0.23														
Oxford ...	29.09	35	SW	2	S	29.09	+ .10	31	30	- .5	WNW	1	cm	*	45	30	0.08														
Cambridge ...	29.09	40	SW	1	o	29.08	+ .07	34	34	+ .1	SW	1	b	*	46	30	0.05														
Yarmouth ...	29.08	41	WSW	2	org	29.09	+ .02	36	34	+ .3	W	3	bcn	3	44	31	0.22														
Cuxhaven ...	29.22	?	SW	5	r	?	?	39	38	+ .2	SW	4	b	*	41	37	-														
Berlin ...	29.40	39	SSW	1	bc	29.12	- .17	37	36	- .2	SSE	2	o	*	45	36	0.16														
Wiesbaden ...	*	*	*	*	*	29.28	- .08	46	42	+ .4	W	5	b	*	52	41	0.51														
Munich ...	29.51	37	E	4	o	29.45	- .12	40	39	+ .3	NW	1	o	*	44	32	0.16														
FRANCE & NETHERLANDS.																															
The Helder ...	29.12	38	SW	3	r	29.03	- .03	38	38	+ .2	WSW	3	r	2	39	34	0.28														
Brussels ...	*	*	*	*	*	29.20	- .13	39	38	+ .1	S	3	o	*	51	38	0.04														
Cape Gris Nez...	29.15	44	WSW	7	o	29.10	- .10	40	39	- .1	SW	7	o	5	45	37	-														
Paris ...	29.25	45	SW	3	r	29.27	- .16	41	39	+ .3	SSW	3	o	*	53	38	0.39														
Brest ...	29.13	46	SW	5	r	29.14	- .10	44	41	- .2	SW	4	o	5	46	37	0.08														
Lorient ...	29.20	44	SW	4	o	29.15	- .17	45	44	+ .1	SSW	3	o	4	48	41	0.12														
Rochefort ...	29.17	54	SSW	9	o	29.19	- .35	45	44	- .1	SSE	7	o	3	55	34	0.16														
Belfort ...	29.44	40	WNW	1	o	29.38	- .19	49	49	+ .12	WNW	1	o	*	50	35	0.43														
Lyons ...	29.37	53	S	8	o	29.36	- .29	52	48	+ .10	SSE	5	bc	*	56	?	0.08														
Nice ...	29.69	50	Z	0	f	29.63	- .08	51	50	+ .3	E	1	b	2	57	45	-														
Perpignan ...	29.43	54	NE	3	o	29.46	- .14	45	45	0	NNE	3	o	*	61	42	-														
Biarritz ...	29.28	64	SSW	9	b	29.29	- .23	59	52	+ .14	SW	8	o	2	68	45	-														
PENIN- SULA.																															
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*														
Lisbon ...	29.47	57	SSW	8	r	29.52	+ .07	53	51	- .4	SSW	5	o	6	59	50	0.43														

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Tuesday, 27th March.

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.

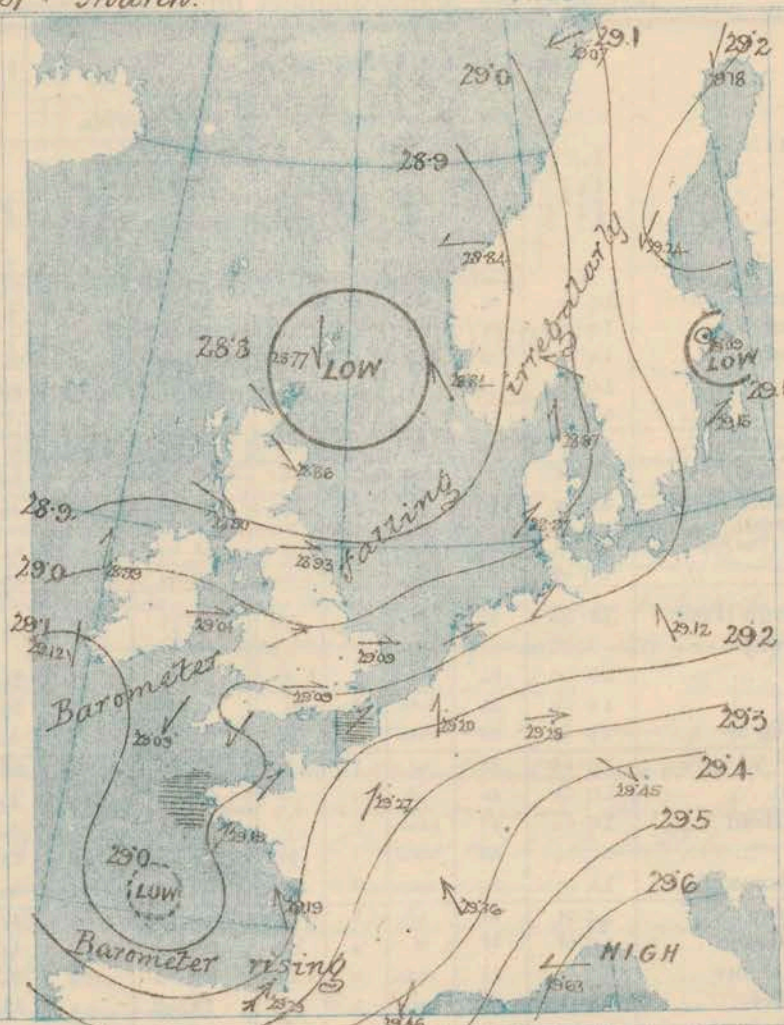
Sea Disturbance — where considerable is shown thus

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head.	29.751
Stornoway	29.779
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.862
Shields	29.896
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.919
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.914
Scilly	29.966
Jersey	29.971
Hurst Castle	29.996
Dover	29.955
LONDON	29.967
Oxford	29.966
Cambridge	29.957
Yarmouth	29.938



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

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

STATIONS	TEMPERATURE				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	42.8	34.0	38.5	37.1	2.92
Stornoway	44.9	34.4	39.2	38.0	3.87
Wick	44.7	33.9	39.1	37.2	1.97
Nairn	45.8	34.2	38.2	36.3	1.72
Aberdeen	45.4	34.7	38.9	36.8	2.24
Leith	45.2	34.6	39.7	37.9	1.36
Shields	45.9	35.4	39.6	38.0	1.60
York	48.9	33.7	38.6	37.1	1.63
Loughborough	46.8	34.3	39.5	37.7	1.47
Ardrossan	46.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.0	39.7	1.99
Holyhead	47.6	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	39.5	42.6	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.9	40.5	44.7	42.7	2.32
Hurst Castle	48.3	37.7	41.6	40.7	1.80
Dover	46.9	37.8	41.6	39.8	1.86
LONDON	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	33.3	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.63 in. at Kice, 29.52 in. at Lisbon, 29.45 in. at Munich, 29.24 in. at Herzsand.
Lowest, 28.77 in. at Sumbagh Head, 28.39 in. at Malin Head, and apparently about 29.1 in. over the Bay of Biscay.
Gradients moderate and very variable. Barometer changing very irregularly - falling in most places.

TEMPERATURE

Highest, 53° at Biarritz, 53° at Lisbon, 52° at Lyons, 51° at Kice, and 41° at Bouilly.
Lowest, 7° at Herzsand, 9° at Haparanda, 17° at Bodo, 30° at Aavin and Narvik, 31° at Malin Head, 34° in London.
It was still much below the average in our Islands and was changing irregularly.

WIND

Mainly W^{ly} (NW to SW) over our Islands - SW^{ly} to SE^{ly} on the eastern shores of the North Sea.
NE^{ly} on the southwest coast of England - Moderate or light in all these districts.
Moderate S^{ly} gale prevails in the southwest of France - Moderate SSE^{ly} to S^{ly} winds over Central France.

WEATHER

Very unsettled generally, with snow or sleet at nearly all our northwestern stations.
Showers of cold rain, hail, sleet or snow have fallen over all but the southwestern part of our Islands.
Thunder occurred in London shortly before 6 pm yesterday.

SEA

Rather rough over the southern side of the Channel, moderate off our southern coasts, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

None of the depressions in our neighbourhood appear to be of any great intensity so that gales are improbable at present. Very changeable, unsettled weather is, however, likely, with cold showers in all districts and varying winds.

FORECASTS

for the 24 hours ending at NOON on 28th March 1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	Wind and weather very variable; cold showers of snow or rain at times.
1	SCOTLAND EAST	----- D° ----- D° ----- D° -----
2	ENGLAND N.E.	----- D° ----- D° ----- D° -----
3	ENGLAND EAST	Wind backing to SW, very variable; weather changeable, cold showers.
4	MIDLAND COUNTIES	----- D° ----- D° ----- D° -----
5	ENGLAND SOUTH	Wind variable, weather unsettled; rain or wet snow at times.


DISTRICTS.


FORECASTS.

6	SCOTLAND WEST	Wind backing to SW, force doubtful at present; very unsettled with cold showers.
7	ENGLAND N.W.	----- D° ----- D° ----- D° -----
8	ENGLAND S.W.	----- D° ----- D° ----- D° -----
9	IRELAND NORTH	----- D° ----- D° ----- D° -----
10	IRELAND SOUTH	----- D° ----- D° ----- D° -----

WARNINGS

NONE ISSUED AT PRESENT.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Stadenæs ...	28.95	35	33	ESE 2	S	3	Holyhead ...	29.08	42	38	rrr 1	bc	2
Sumburgh Head ...	28.97	37	36	r 3	C	4	Valencia ...	29.15	44	39	r 3	bc	3
Stornoway ...							Scilly ...	29.07	40	39	rrr 1	T	4
Aberdeen ...	28.96	37	36	rrr 2	TSps	2	Dungeness ...	29.15	45	42	SW 6	C	5
Shields ...	28.99	40	36	W 2	C	2	London ...	29.12	46	44	rrr 4	Op	*
Ardrossan ...	29.03	43	38	rrr 3	bc	2	Yarmouth ...	29.06	44	41	W 5	bc	4
Malin Head ...	29.09	40	37	N 3	bc	3	Jersey ...	29.19	49	45	SSW 5	C	5
Mullaghmore ...	29.12	38	37	rrr 4	CSp	2	Rochefort ...	29.39	44	42	SSW 5	T	1
Belmullet ...	29.17	36	35	rrr 2	C	*							

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

The reports for yesterday morning showed that pressure was highest, 29.9 ins. and upwards, over Algeria, the Eastern parts of the Mediterranean and the Black Sea, and lowest, 29.0 ins. and less, in a large and irregularly formed area lying over the North Sea, the south of Scandinavia and the north of the British Islands. In addition to this low pressure system there were indications on the Portuguese coast of an advance of a well defined disturbance from the Atlantic. The prevailing winds were SW² over all the more Central and Southern countries and E² over Scandinavia and Northern Russia, but in the west and north of our Islands moderate N² breezes were reported. Over the Netherlands and the English Channel a moderate to fresh gale from WSW. was blowing, while at Lisbon there was a strong gale from SSW. Fair weather was reported over Southern and Eastern Europe, but elsewhere the conditions were very changeable and unsettled, with snow in the north and rain in many other localities. At Hurst Castle a thunderstorm was in progress. Temperature had risen a little at the French stations and also in the north of our Islands, but fallen in most other places: readings ranged from between 55° and 65° over Algeria, Spain, Italy, and the southern part of France and Austria to several degrees below zero over Northern Russia. The highest individual readings were 64° at Cagliari, 62° at Tunis, 61° at Malta and Lax, 60° at Biskaw, 59° at Palermo and Algiers, and 57° at San Fernando, Lisbon, Pesaro, Livourne, Rome, and Brindisi, the lowest were -7° at Archangel, +4° at Haparanda, 6° at Uleaborg, 12° at Kaspio, 16° at Helsingfors, 19° at Rode, 22° at St. Petersburg, 26° at Versonabrown and 28° at Helsingfors and Moscow.

In the course of the day the depression off the Portuguese coast moved northward to the Bay of Biscay and strong gales from SSW. set in over the southwest of France. Changeable, unsettled weather continued generally with snow, sleet or cold rain in nearly all 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 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 28th MARCH 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.		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.)	Weather.		Max.	Min.													
SCANDINAVIA.																														
Haparanda ..	29.29	4	N	2	b	29.18	00	10	10	+ 1	N	4	s	*	?	3	0.04													
Hernösand ...	29.21	13	NE	6	s	29.17	- 07	10	15	+ 9	N	2	b	*	19	1	0.32													
Stockholm ...	29.05	34	S	4	r	29.25	+ 10	25	23	- 1	L	0	c	*	26	23	0.04													
Wisby ...	29.19	33	SW	4	b	29.26	+ 11	36	33	+ 1	SW	2	o	*	41	30	-													
Bodö ...	29.15	10	SE	4	b	29.17	+ 10	15	13	- 2	ENE	4	b	2	19	12	-													
Christiansund...	28.95	33	L	0	bc	29.08	+ 24	35	32	+ 4	ESE	1	c	2	39	28	-													
Skudesnaes ...	28.96	35	SE	4	o	29.12	+ 28	33	33	- 1	ESE	4	s	3	35	33	-													
Christiania Fjord (Færder)	29.03	31	L	0	o	29.20	+ 22	28	28	- 2	NNE	2	f	1	32	25	-													
Skagen (The Scaw)	29.9	32	SW	2	b	29.20	+ 23	32	32	+ 1	WSW	3	o	2	34	30	0.08													
Fanö ...	29.09	31	SSW	1	c	29.25	+ 28	26	26	- 6	L	0	f	*	36	23	0.08													
BRITISH ISLANDS.																														
Sumburgh Head	28.80	36	SSE	1	bc	29.07	+ 20	34	33	+ 2	L	0	b	2	39	30	-													
Stornoway ...																														
Wick ...	28.87	31	N	1	o	29.10	+ 28	30	30	- 2	W	1	b	2	38	22	?													
Nairn ...	28.87	33	L	0	b	29.07	+ 20	28	27	- 2	L	0	b	0	37	20	-													
Aberdeen...	28.88	33	WNW	1	c	29.12	+ 26	22	20	- 9	NNW	1	m	1	37	17	0.05													
Leith ...	28.88	37	L	0	c	29.03	+ 14	34	33	+ 1	SE	1	o	*	38	26	0.04													
Shields ...	28.90	38	SW	2	c	29.01	+ 08	38	37	+ 4	ESE	4	o	3	42	31	0.01													
Spurn Head ...	28.97	37	WNW	4	c	28.96	- 03	34	34	0	ESE	6	s	4	44	32	0.06													
York ...	28.94	39	WSW	1	b	28.95	- 04	34	33	+ 1	ENE	3	s	*	45	30	0.04													
Loughborough	29.01	38	SW	3	bc	28.87	- 19	35	34	+ 1	ESE	2	d	*	44	30	0.21													
Ardrossan ...	28.86	38	L	0	c	28.93	+ 03	34	32	- 1	NE	5	om	3	42	29	-													
Malin Head ...	28.75	37	SSE	4	cgw	28.79	- 16	37	35	+ 6	SE	5	cg	4	40	31	-													
Mullaghmore	28.65	39	SSE	6	org	28.69	- 31	38	36	+ 4	E	8	og	6	39	30	0.05													
Belmullet ...	28.53	35	WSW	4	s	28.66	- 33	37	35	+ 4	E	7	o	*	38	33	1.44													
Donaghadee ...	28.85	38	SW	3	b	28.82	- 13	38	35	+ 4	E	7	o	5	43	33	0.03													
Barrow-in-Farress	28.92	36	S	2	c	28.85	- 12	33	32	- 4	E	6	s	*	40	33	0.09													
Liverpool (Bidston)	28.94	38	SW	2	b	28.77	- 23	32	32	- 4	E	6	s	4	41	31	0.17													
Holyhead ...	28.90	39	SSW	5	cpm	28.66	- 35	33	33	- 6	ENE	8	omspg	6	42	32	0.05													
Parsonstown ...	28.77	40	SSE	2	o	28.57	- 50	35	34	+ 5	ENE	3	s	*	43	29	-													
Valencia ...	28.67	43	SSW	8	mr	28.41	- 71	40	38	0	ENE	5	o	5	44	37	1.03													
Roche's Point...	28.84	41	SW	6	o	28.44	- 66	38	38	+ 3	ENE	5	rm	5	47	35	0.18													
Pembroke ...	28.93	40	SW	5	bc	28.48	- 54	43	42	+ 5	SE	7	rsqj	5	43	33	0.47													
Scilly ...	28.99	40	SW	3	c	28.39	- 70	45	44	+ 4	SW	4	c	6	45	39	0.44													
Prawle Point ...	29.06	36	SSW	3	o	28.57	- 53	45	44	+ 9	ESE	6	cu	6	46	36	0.09													
Jersey ...	29.08	40	SW	3	o	28.69	- 42	45	42	+ 2	SE	7	ou	6	49	36	0.35													
Hurst Castle ...	29.07	39	SSW	3	os	28.73	- 38	43	42	+ 8	SSE	6	p	3	43	35	0.23													
Dungeness ...	29.05	39	W	1	r	28.92	- 16	42	41	+ 2	S	5	c	4	42	33	0.45													
London ...	29.06	35	SSE	2	o	28.85	- 24	43	41	+ 9	SE	4	r	*	44	33	0.08													
Oxford ...	29.05	35	SSW	3	b	28.80	- 29	41	40	+ 10	SE	3	rgw	*	43	31	0.16													
Cambridge ...	29.04	40	SW	1	o	28.85	- 23	41	40	+ 7	SE	2	o	*	47	30	0.06													
Yarmouth ...	29.03	39	SSW	3	c	29.01	- 08	38	37	+ 2	SE	6	c	4	41	33	0.04													
Cuxhaven ...	29.13	36	S	1	o	29.30	?	35	35	- 4	ENE	3	c	*	42	34	-													
Berlin ...	29.15	42	SE	2	r	29.41	+ 29	36	36	- 1	S	1	f	*	45	34	0.24													
Wiesbaden ...	*	*	*	*	*	29.35	+ 07	41	40	- 5	L	0	b	*	48	36	0.43													
Munich ...	29.37	48	W	7	r	29.51	+ 06	41	40	+ 1	E	3	r	*	61	34	0.39													
FRANCE & NETHERLANDS.																														
The Helder ...	29.09	36	S	1	s	29.17	+ 14	34	34	- 4	ESE	1	f	1	39	34	0.35													
Brussels ...	*	*	*	*	*	29.15	- 05	45	42	+ 6	SSE	4	o	*	45	39	0.04													
Cape Gris Nez...	29.08	42	SW	5	r	28.99	- 11	42	40	+ 2	SSE	5	o	4	45	32	0.51													
Paris ...	29.24	46	SW	3	c	29.07	- 20	44	39	+ 3	SE	5	c	*	48	40	0.32													
Brest ...	29.11	41	NE	4	r	28.55	- 59	46	42	+ 2	SSW	8	r	7	46	37	0.16													
Lorient ...	29.14	47	SW	7	o	28.67	- 48	47	45	+ 2	SSW	8	r	7	50	43	0.24													
Rochefort ...	29.40	49	SW	7	b	28.98	- 21	48	45	+ 3	S	8	c	4	52	39	0.08													
Belfort ...	29.38	47	SW	3	o	29.30	- 08	45	44	- 4	NE	1	b	*	54	32	0.08													
Lyons ...	29.39	49	WSW	8	o	29.23	- 13	48	46	- 4	SSE	4	c	*	65	40	0.12													
Nice ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*													
Perpignan ...	29.45	56	W	3	o	29.20	- 26	50	47	+ 5	W	3	b	*	61	44	-													
Biarritz ...	29.38	57	ESE	3	b	29.03	- 26	57	48	- 2	SSW	11	bc	3	59	50	-													
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*													
Lisbon ...	29.40	57	SSW	9	o	29.49	- 03	50	46	- 3	WSW	5	b	8	59	48	0.04													
PENINSULA.																														

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Wednesday, 28th March

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.

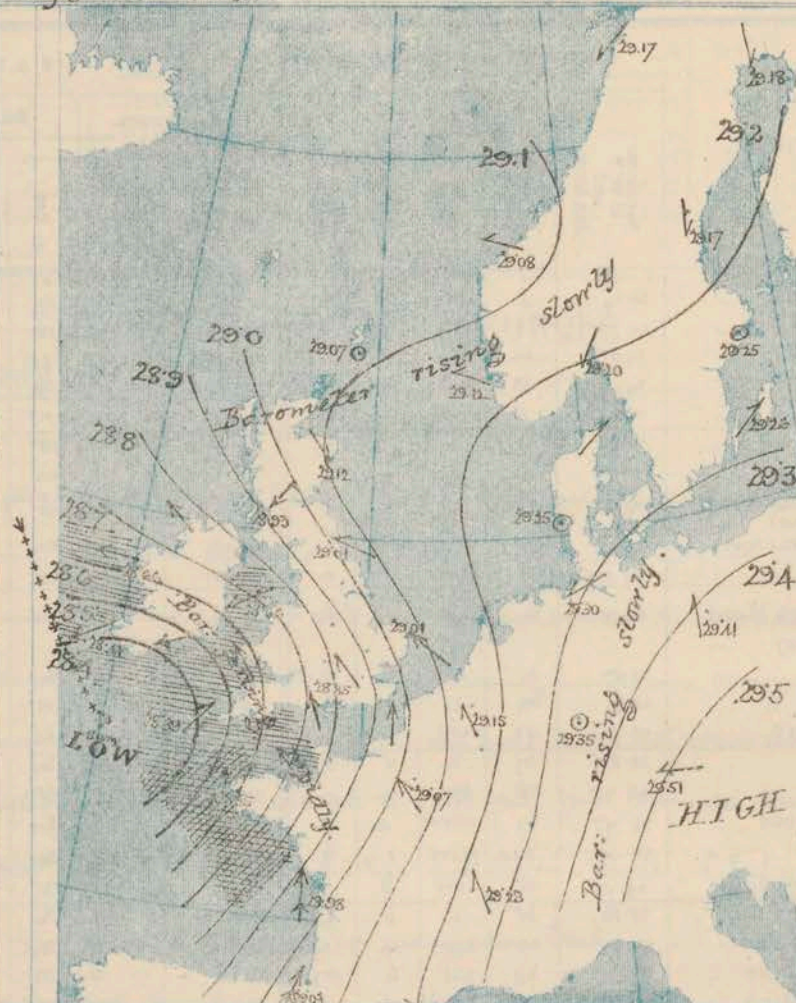
■ = Rough ■ = High

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871 — 1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.751
Stornoway	29.779
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.862
Shields	29.896
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.919
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.966
Dover	29.955
LONDON	29.967
Oxford	29.966
Cambridge	29.957
Yarmouth	29.938



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

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

Weather is shown by Letters of the Beaufort Scale.

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

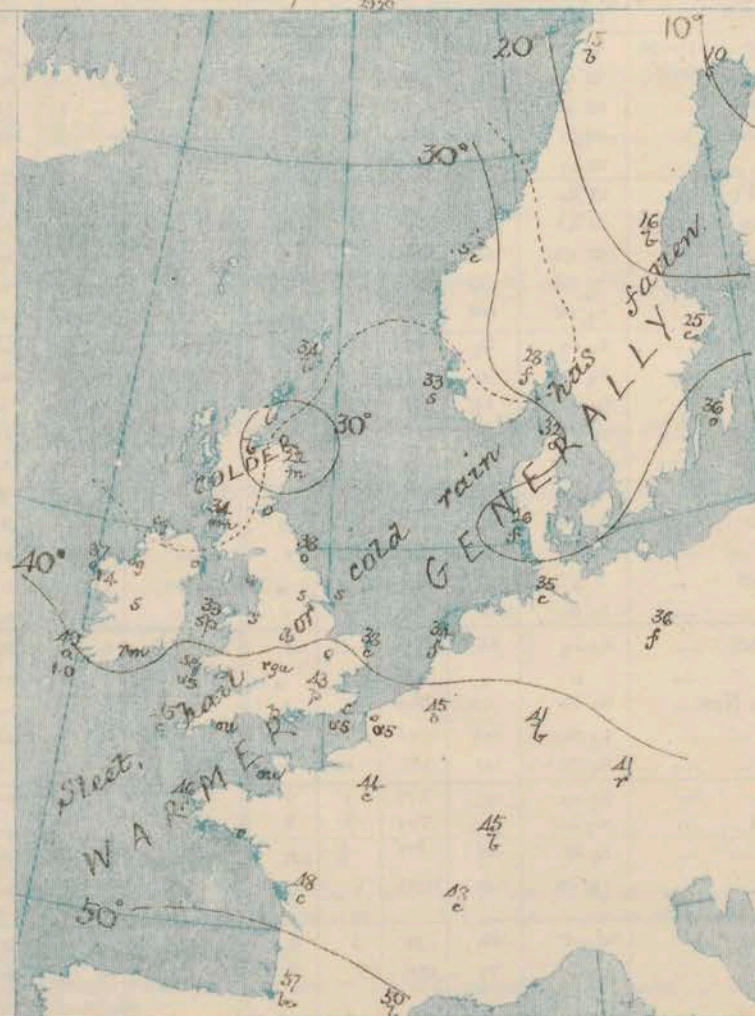
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of March.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.6	34.0	38.5	37.1	2.92
Stornoway	44.9	34.4	39.2	38.0	3.87
Wick	44.7	33.9	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	36.8	1.72
Aberdeen	45.4	34.7	38.9	36.8	2.24
Leith	48.2	34.6	39.7	37.9	1.36
Shields	45.9	35.4	39.6	38.0	1.60
York	48.9	33.7	38.6	37.1	1.63
Loughborough	48.8	34.3	39.5	37.7	1.47
Ardrossan	46.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.0	39.7	1.99
Holyhead	47.6	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	39.5	42.6	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.9	40.5	44.7	42.7	2.32
Hurst Castle	48.3	37.7	41.6	40.7	1.80
Dover	46.9	37.8	41.6	39.9	1.86
LONDON	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	33.3	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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

at 29.6 in Germany and the Tyrol, 29.6 in at Limerick and 29.4 in at Aberdeen.
A deep depression, the centre of which lies off the South of Ireland,
in the Bay of Biscay, England and Ireland, moderate over France, very light in the northeast.
The southwest and south, rising in North and Northeast.

TEMPERATURE

At 12.5 at Biarritz, 50° at Lisbon and Pampun, 48° at Lyons and Rochefort, 45° at Bally and 43° in London.
At 10.15 at Havana, 18° at Porto, 16° at Helsingborg, 12° at Aberdeen, 32° at Liverpool.
It has risen considerably over England but fallen in Scotland. It is much below the average value for March in the north and west, but slightly above it in the south.

WIND

Light and variable over Scandinavia, calm and variable air over Scotland, the Baltic and Central Europe.
E. gales prevail in Ireland (after S. gales last night), S.E. strong winds over England.
S.W. gales over the Bay of Biscay, fresh S.E. breezes in the east of France.

WEATHER

Fine and bright in Scotland and at most of the Scandinavian stations.
Overcast in Ireland and England, with cold rain or sleet in many places.
(In the west of Ireland the rainfall during the past 24 hours exceeded an inch.)
Very changeable on the Continent, with rain in places - most over Brittany.

SEA

High in the Bay of Biscay, rough on the Irish and English coasts, slight or smooth at the northern stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the depression in the west (which is growing deeper) moves southeastwards, E. gales and strong winds with wet snow and a great fall of temperature will probably set in over England and Ireland, but in Scotland the weather will probably remain fine and frosty.

The warning signals have consequently been lowered in Scotland, but are still up elsewhere.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	Very light winds; cold, fair, some fog.
1	SCOTLAND EAST	.....
2	ENGLAND N.E.	E. to NE. winds, strong to moderate; colder, some snow.
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	Same as N° 5.
5	ENGLAND SOUTH	SE. winds, strong to a gale, much rain; then E. to NE. gales, with snow, much colder.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NE. winds, strong to moderate; cold.
7	ENGLAND N.W.	NE. gales and strong winds; snow squalls, then finer.
8	ENGLAND S.W.	Same as N° 5.
9	IRELAND NORTH	Same as N° 7.
10	IRELAND SOUTH	Same as N° 7.

WARNINGS

The SOUTH CONE was hoisted on all coasts yesterday afternoon, but has been lowered in Scotland this morning.

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 ...	28.88	34	33	S	4	5	3	Holyhead ...	28.96	39	35	WSW	4	c	4
Sunburgh Head ...	28.77	37	35	SSE	1	bc	3	Valencia ...	28.94	41	39	SW	4	ogvhrp	4
Stornoway ...								Scilly ...	29.07	43	38	WSW	2	o	4
Aberdeen ...	28.85	34	33	SSE	1	osp	1	Dungeness ...	29.06	40	39	W	1	o	4
Shields ...	28.88	37	36	ENE	2	c	2	London ...	29.05	43	37	SW	2	o	*
Ardrossan ...	28.86	39	36	SW	3	c	3	Yarmouth ...	29.03	40	38	S	4	cm	3
Malin Head ...	28.80	37	35	SSW	4	o	3	Jersey ...	29.09	46	45	SW	4	bc	4
Mullaghmore ...	28.78	37	35	SSW	5	sp	3	Rochefort ...	29.26	48	46	WNW	7	b	3
Belmullet ...	28.70	36	36	SW	6	o	*								

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

The reports for yesterday morning showed that barometrical pressure was still highest 29.9 ins. and upwards over Algeria, the eastern parts of the Mediterranean and the Black Sea. The lowest readings 28.8 ins. and less, were found in a shallow depression which lay over the Shetlands, but smaller disturbances were also reported over the Bay of Biscay and in the neighbourhood of Stockholm. With these conditions the winds over the more central and southern parts of Europe were chiefly S.W., but over the Baltic and Russia they drew into S. or S.E., and in Norway they were E. In the North of the British Islands moderate N.W. breezes were reported. The weather was fine in Italy, the extreme South of France and some parts of Algeria, but cloudy and unsettled elsewhere, with snow over northern Russia and the northwest of our Islands, and rain at some of our southern and the French stations. Temperature had fallen a little in most parts of the United Kingdom, and also in Scandinavia, but risen elsewhere; readings ranged from between 60° and 70° over Italy and Algeria, to 15° and less over the northern parts of Russia and Sweden. The highest individual readings were 73° at Palermo, 68° at Cagliari, Algiers and La Calle, 65° at Malta, 64° at Oran, 63° at Rome, and 62° at Barcelona, Spax and Biskra; the lowest were 7° at Hernösand, 9° at Haparanda, 13° at Kuopio, 14° at Uleaborg, 17° at Bodö, 26° at Stockholm, and 30° at Helsingfors, Nairn and Parsonstown.

In the course of the day the depressions over the Shetlands and Bay of Biscay dispersed, but a new and much deeper disturbance appeared off the West of Ireland, where the wind rose to a gale from the S.W. Heavy rain was experienced at night at many of our western stations.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Thursday, 29th March

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 ..	29.17	17	NW	4	0	29.54	+ 36	6	6	- 4	20	0	6	*	27	3	0.20
	Hernösand ...	29.41	10	Z	0	S	29.67	+ 50	14	14	- 2	20	0	0	*	34	10	-
	Stockholm ...	29.54	26	S	2	C	29.64	+ 39	23	23	- 2	NE	4	0	*	36	23	0.08
	Wisby ...	29.58	31	SE	2	6	29.52	+ 26	33	32	- 3	ESE	6	0	*	39	28	-
	Bodö ...	29.32	?	E.NE	2	0	29.50	+ 33	25	23	+ 10	E.NE	2	0	1	?	12	-
	Christiansund...	29.36	35	Z	0	C	29.66	+ 58	33	32	- 2	ESE	4	0	3	36	30	0.04
	Skudesnaes ...	29.36	35	E.NE	2	0	29.24	+ 12	38	34	+ 5	E.NE	6	0	4	41	?	-
	Christiania Fjord (Ferder)	29.47	30	ESE	2	6	29.44	+ 24	31	30	+ 3	N.E	5	0	1	34	27	-
	Skagen (The Scaw)	29.44	30	SE	3	0	29.31	+ 11	32	32	0	ESE	3	0	2	36	28	0.04
	Fanö ...	29.32	35	E	4	C	29.10	- 15	35	35	+ 9	E	4	0	*	36	20	0.32
BRITISH ISLANDS.	Sumburgh Head	29.24	38	SSW	1	0	29.25	+ 18	35	35	+ 1	E	4	RS	4	42	32	0.05
	Stornoway ...	29.19	37	E	3	0	29.15	+ 05	37	36	+ 1	E	7	0.04	4	42	28	0.10
	Wick ...	29.14	36	ESE	1	C	29.09	+ 02	37	36	+ 9	E	5	0	4	37	27	0.11
	Nairn ...	29.12	35	ESE	6	STP	29.01	- 11	38	37	+ 16	E.NE	2	0	4	39	21	0.42
	Leith ...	28.93	35	E.NE	5	S	28.97	- 06	37	37	+ 3	NE	2	0.04	*	38	33	0.45
	Shields ...	28.84	40	E	6	0.04	28.94	- 07	39	39	+ 1	Z	0	0	5	40	32	0.53
	Spurn Head ...	28.74	39	ESE	6	C	28.91	- 05	40	39	+ 6	SSE	3	0	3	41	33	0.13
	York ...	28.77	42	E	3	0	28.93	- 02	40	39	+ 6	E.NE	1	0	*	43	38	0.30
	Loughborough	28.73	46	ESE	1	C	28.89	+ 02	37	36	+ 2	ESE	1	0.04	*	48	32	0.11
	Ardrossan ...	28.64	35	NE	8	RS.M	28.95	+ 02	38	37	+ 4	E.NE	4	0.04	2	38	34	0.11
GERMANY.	Malin Head ...	28.80	35	E.NE	5	0.5	28.95	+ 16	36	36	- 1	N	6	0.5	5	39	30	0.10
	Mullaghmore ...	28.75	36	NE	9	RS	28.99	+ 30	37	36	- 1	N.E	7	0.5	5	39	34	0.25
	Belmullet ...	28.78	32	N.E	10	0	29.09	+ 43	38	37	+ 1	N.E	10	0	*	39	34	0.58
	Donaghadee ...	28.73	38	E	7	0	28.91	+ 09	42	41	+ 4	E.NE	5	0	4	42	35	0.27
	Barrow-in-Furness	28.68	40	NE	4	5	28.88	+ 03	40	38	+ 7	NE	1	0.04	*	42	32	0.22
	Liverpool (Bidston)	28.65	44	ESE	4	0	28.88	+ 11	40	38	+ 8	ESE	2	0	2	45	32	0.11
	Holyhead ...	28.60	42	E	4	RM	28.84	+ 18	45	42	+ 12	E	2	0.04	2	45	33	0.07
	Parsonstown ...	28.58	41	NE	1	5	28.92	+ 35	35	34	0	NW	2	0	*	42	33	0.46
	Valencia ...	28.51	42	N	4	0.04	29.03	+ 62	41	37	+ 1	N	7	0.04	6	42	37	0.37
	Roche's Point...	28.46	45	ESE	3	C	28.84	+ 40	38	36	0	N.E	5	0	4	49	36	0.08
FRANCE & NETHERLANDS.	Pembroke ...	28.49	42	SSE	4	C	28.75	+ 22	41	40	- 2	E	4	0.04	4	46	39	0.06
	Scilly ...	28.39	44	SSE	5	C	28.67	+ 28	44	41	- 1	N.W	5	0.04	6	49	39	0.09
	Prawle Point ...	28.58	42	E.NE	6	0.04	28.61	+ 04	44	41	- 1	SE	5	0.04	4	47	33	0.15
	Jersey ...	28.72	47	S	7	0.04	28.65	- 04	41	40	- 4	SSE	9	0.04	7	52	40	0.29
	Hurst Castle ...	28.73	44	SSW	6	0.04	28.76	+ 03	44	42	+ 1	SE	6	0.04	4	47	41	0.04
	Dungeness ...	28.82	44	SSE	4	0.04	28.90	- 02	43	41	+ 1	S	4	0.04	4	47	40	0.07
	London ...	28.77	49	S	4	0.04	28.86	+ 01	46	42	+ 3	SSE	3	0.04	*	51	40	0.23
	Oxford ...	28.76	45	SE	4	C	28.85	+ 05	43	41	+ 2	SE	2	0.04	*	49	38	0.26
	Cambridge ...	28.79	47	SE	2	C	28.91	+ 06	42	41	+ 1	SE	1	0	*	50	35	0.11
	Yarmouth ...	28.84	41	SSE	5	C	28.94	- 07	39	38	+ 1	SSE	2	0.04	3	42	36	0.17
PENIN. SULA.	Cuxhaven ...	29.25	41	SE	3	C	29.13	- 17	39	38	+ 4	ESE	3	0	*	43	?	-
	Berlin ...	29.30	50	ESE	1	6	29.08	- 33	43	42	+ 7	SE	2	0	*	54	?	-
	Wiesbaden ...	*	*	*	*	*	29.08	- 27	47	46	+ 6	Z	0	0	*	59	?	0.12
	Munich ...	29.19	50	SE	4	C	29.15	- 36	47	44	+ 6	W	1	0	*	50	39	0.04
	The Helder ...	29.00	45	SSE	3	5	29.01	- 16	40	39	+ 6	S	1	0	3	46	34	0.04
	Brussels ...	*	*	*	*	*	29.02	- 13	43	41	- 2	S	1	0	*	58	42	0.24
	Cape Gris Nez...	28.84	47	SW	7	0.04	28.91	- 08	41	39	- 1	SSW	5	0	4	59	39	0.08
	Paris ...	28.96	53	SSW	5	C	29.03	- 04	42	39	- 2	S	4	0	*	61	41	0.04
	Brest ...	28.56	42	SSW	11	0	28.73	+ 18	41	?	- 5	NW	8	0	7	48	37	0.28
	Lorient ...	28.71	45	SW	9	0.04	28.71	+ 04	41	41	- 6	NW	8	0.04	8	50	37	0.20
LISBON.	Rochefort ...	29.05	47	SW	9	5	29.03	+ 05	46	44	- 2	SW	12	0	7	?	37	0.08
	Belfort ...	29.15	54	SW	1	0.04	29.25	- 05	38	38	- 7	W	1	0	*	56	35	0.08
	Lyons ...	29.09	59	SW	7	C	29.35	+ 12	36	35	- 12	SSE	3	0	*	66	35	0.47
	Nies ...	29.38	57	W	1	6	29.33	- 48	48	44	- 12	S	5	0	5	57	46	0.43
	Perpignan ...	29.13	63	SW	5	0.04	29.41	+ 21	44	39	- 6	W	3	0	*	81	36	-
Biarritz ...	29.17	43	W	11	5	29.28	+ 25	50	43	- 7	W	9	0	7	?	41	0.04	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lisbon ...	29.70	51	WSW	7	6	29.80	+ 31	52	49	+ 2	WSW	7	0	8	57	50	0.12	

For Explanation of Columns, see p. 4.

WEATHER

CHARTS

for 8 a.m. on Thursday, 29th March.

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

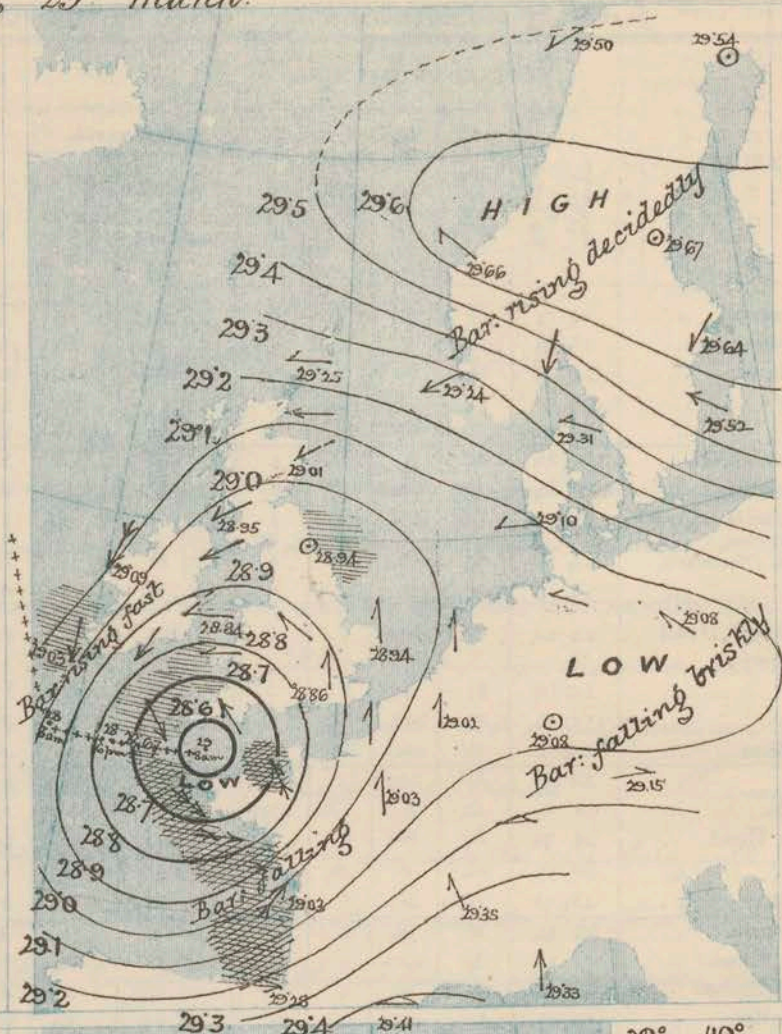
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus —
 — = forces above 10; — = forces 8 to 10;
 — = forces 5 to 7; — = forces 1 to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

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

MEAN HEIGHT of the BAROMETER

at 6 a.m. for the month of March.
 During the 15 Years 1871–1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head.	29.751
Stornoway.	29.779
Wick.	29.797
Nairn.	29.815
Aberdeen.	29.830
Leith.	29.862
Shields.	29.896
York.	29.925
Loughborough.	29.949
Androsan.	29.876
Donsghadee.	29.892
Holyhead.	29.919
Liverpool.	29.925
Parsonstown.	29.940
Valencia.	29.938
Rocha's Point.	29.941
Pembroke.	29.944
Silly.	29.968
Jersey.	29.971
Hurst Castle.	29.986
Dover.	29.955
LONDON.	29.987
Oxford.	29.966
Cambridge.	29.957
Yarmouth.	29.938



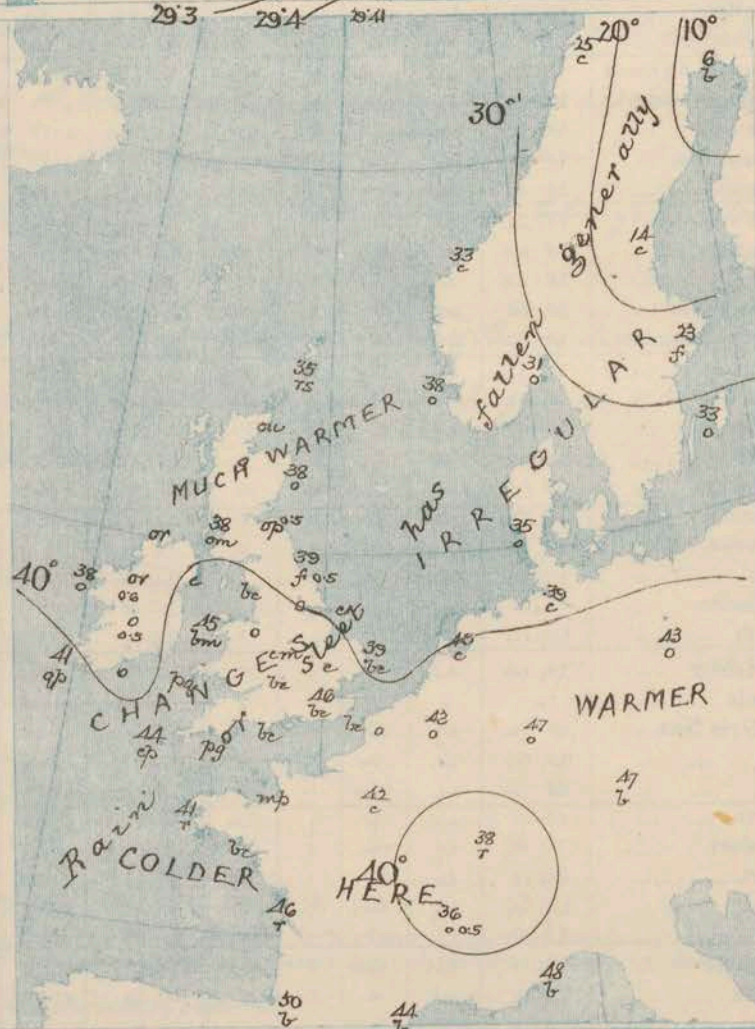
TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

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

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

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
			Dry	Wet	
Sumburgh Head.	42.6	34.0	38.5	37.1	2.02
Stornoway.	44.9	34.4	39.2	38.0	3.87
Wick.	44.7	33.9	39.1	37.2	1.97
Nairn.	45.6	34.2	38.2	36.8	1.72
Aberdeen.	45.4	34.7	38.9	36.8	2.24
Leith.	43.2	34.6	39.7	37.9	1.36
Shields.	45.9	35.4	39.6	38.0	1.60
York.	48.9	33.7	38.6	37.1	1.63
Loughborough.	49.8	34.3	39.5	37.7	1.47
Androsan.	46.8	36.0	40.5	38.7	2.59
Donsghadee.	47.3	37.1	41.0	39.7	1.99
Holyhead.	47.6	39.2	42.5	41.0	2.21
Liverpool.	47.3	37.1	40.8	38.7	1.69
Parsonstown.	50.1	35.5	41.2	39.6	2.35
Valencia.	51.6	40.6	45.4	43.4	4.24
Rocha's Point.	50.2	40.0	43.8	42.1	3.71
Pembroke.	47.1	39.5	42.6	40.8	2.45
Silly.	49.9	43.0	46.5	44.7	2.88
Jersey.	49.9	40.5	44.7	42.7	2.32
Hurst Castle.	48.3	37.7	41.6	40.7	1.80
Dover.	46.9	37.8	41.6	39.9	1.86
LONDON.	50.6	35.8	40.6	38.7	1.43
Oxford.	49.5	35.2	39.4	37.9	1.52
Cambridge.	50.6	33.3	39.2	37.7	1.38
Yarmouth.	45.7	35.8	40.8	39.1	1.77

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, 29.30 ins. to 29.8 ins. over the northern part of Spain - 29.5 ins. to 29.65 ins. over the greater part of Scandinavia.
Lowest, 28.6 ins. and less, in a depression lying near the Eddystone, and about 29.0 in a new disturbance forming over Germany.
Gradients steep for W^{ly} winds over Spain and the Bay of Biscay, rather so for N^{ly} winds in Ireland.

TEMPERATURE

Highest, 52° at Lisbon, 50° at Biarritz, 48° at Nice, 47° at Munich, 46° at Rochefort and London.
Lowest, 6° at Haparanda, 23° at Stockholm, 32° at the Scaw, 35° at Harrogate, and 37° to 38° in the east of Scotland.
It has risen quickly in Scotland, and slightly over Germany, fallen in Sweden and over France. Its distribution is very irregular.

WIND

E^{ly}, rather strong, over the southern part of Scandinavia - a moderate gale at W^{est} NE, fresh, to a whole gale in Ireland. W^{ly}, heavy gale, over the Bay of Biscay.
S^{ly}, moderate, in the east of France, S^{ly} to SE^{ly}, moderate to strong at our eastern and southeastern stations.
A fresh NW^{ly} gale is blowing at Brest, and a strong SSE gale at Jersey.

WEATHER

Very unsettled - Cloudy in most places, with showers in the west and south, and a threatening appearance in the far north. Fair at present in the southeast and also over Scandinavia.

SEA

Very high over the Bay of Biscay, high over the western part of the Channel, rough on our western coast, moderate in the southeast and far north, slight in the east.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the southwest is beginning to fill up, so that the gales in the southwest, south, and north will probably moderate before long.

The general distribution of pressure, however, is so complex that no settled weather is likely at present.

FORECASTS

for the 24 hours ending at NOON on 30th March 1888.

DISTRICTS.

FORECASTS.

1	SCOTLAND NORTH	E ^{ly} winds, strong to a gale, sleet showers.
1	SCOTLAND EAST	----- D° ----- D° ----- D° -----
2	ENGLAND N.E.	SE ^{ly} and E ^{ly} winds, force doubtful; cold showers.
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as No 2.
5	ENGLAND SOUTH	SE ^{ly} winds, fresh or strong; squally, some showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No 0
7	ENGLAND N.W.	NE ^{ly} winds, unsettled; some showers.
8	ENGLAND S.W.	Wind moderating gradually, unsettled, cold showers.
9	IRELAND NORTH	NE ^{ly} and N ^{ly} winds, fresh in the east, gales moderating in the west; cold showers.
10	IRELAND SOUTH	----- D° ----- D° ----- D° -----
WARNINGS		The N. cone is still up in districts 0 and 1 and the S. cone in districts 6 to 10 and part of 5. In districts 2, 3, and the remainder of 5 the cone has been lowered this morning.

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 ...	29.28	41	37	SE 2	c	3	Holyhead ...	28.59	41	40	E 6	o p m q	6
Sumburgh Head ...	29.18	40	39	SSE 1	c	2	Valencia ...	28.45	40	38	NNE 5	o q	5
Stornoway ...							Scilly ...	28.40	44	43	S 2	e	6
Aberdeen ...	29.12	37	34	ESE 4	0	3	Dungeness ...	28.80	46	44	S 6	e	5
Shields ...	28.93	35	35	E 6	rs	4	London ...	28.74	50	47	SSE 5	cp	*
Ardrossan ...	28.88	36	35	NNE 7	r	4	Yarmouth ...	28.87	41	40	SE 5	c q	5
Malin Head ...	28.75	36	36	NNE 6	0	4	Jersey ...	28.68	51	46	SSE 6	bc	6
Mullaghmore ...	28.70	36	36	ENE 9	rsq	6	Rochefort ...	29.04	54	49	SW 8	e	4
Belmullet ...	28.72	36	35	NNE 10	ots	a							

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

The Continental Information will appear in Friday's Report.

EASTER HOLIDAYS.

The Daily Weather Report for tomorrow (Good Friday) will be issued on Monday and that for Easter Sunday on Tuesday next.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Friday 30th March 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.)	Weather.	SHADE TEMP.		Inch. of Rain.	
				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	0	2	0	b	29.76	+22	12	12	+6	NE	2	0	*	18	0	—	
	Hernösand ...	29.68	17	2	0	o	29.40	-27	27	26	+13	NE	6	s	*	?	3	0.08	
	Stockholm ...	29.29	32	ESE	8	r	29.13	-57	32	?	+9	2	0	f	*	32	21	0.46	
	Wisby ...	29.19	33	ESE	4	b	29.18	-34	33	33	0	W	4	b	*	39	25	0.08	
	Bodö ...	29.72	26	ENE	2	b	29.61	+11	27	23	+2	ENE	4	c	2	32	23	—	
	Christiansund...	29.37	33	ENE	2	b	29.28	-38	33	31	0	E	2	b	2	39	30	—	
	Skudesnaes ...	29.27	36	NNE	2	r	29.23	-101	37	35	-1	2	0	0	2	32	36	0.59	
	Christiania Fjord (Færder)	29.30	33	NE	5	s	29.20	-24	30	30	-1	N	5	s	1	36	27	—	
	Skagen (The Scaw)	29.15	31	E	3	o	29.15	-16	31	31	-1	2	0	0	3	34	30	0.12	
	Fanö ...	29.27	34	E	1	f	29.17	-107	35	35	0	S	1	c	*	37	32	0.08	
BRITISH ISLANDS.	Sumburgh Head	29.30	37	NE	4	o	29.35	+10	39	38	+4	NE	4	0	5	40	35	0.09	
	Stornoway ...	29.27	40	NE	6	r	29.44	+25	39	39	0	NE	4	0	3	40	37	0.10	
	Wick ...	29.23	36	E	4	r	29.38	+13	40	39	+3	NE	4	0	3	40	36	0.10	
	Nairn ...	29.18	39	ENE	3	r	29.35	+29	38	38	+1	NNW	3	0	2	40	36	0.31	
	Aberdeen...	29.13	40	NE	3	f	29.30	+29	39	38	+1	NE	2	of	3	42	38	0.14	
	Leith ...	29.09	39	NE	1	r	29.30	+33	38	38	+1	N	2	omv	*	39	36	0.35	
	Shields ...	29.04	38	W	1	r	29.19	+25	39	38	0	NNE	5	r	5	42	35	1.37	
	Spurn Head ...	28.97	39	E	3	o	29.13	+22	38	38	-2	NNW	1	og	2	45	35	—	
	York ...	29.02	43	ENE	1	bc	29.15	+22	35	24	-5	N	1	s	*	49	33	0.05	
	Loughborough	28.97	40	E	2	c	29.16	+27	41	40	+4	WSW	2	0	*	54	36	—	
GERMANY.	Ardrossan ...	29.10	39	NE	2	rm	29.39	+38	41	39	+4	N	2	0	1	42	36	0.22	
	Malin Head ...	29.15	39	N	4	or	29.44	+49	41	39	+5	N	4	0	4	41	36	0.12	
	Mullaghmore ...	29.20	40	NNW	5	or	29.46	+47	43	40	+6	N	6	bc	4	43	36	0.04	
	Belmullet ...	29.20	42	NNE	5	o	29.55	+46	44	41	+6	NNW	5	bc	*	45	36	0.15	
	Donaghadee ...	29.10	42	NE	5	c	29.35	+44	42	41	0	NNE	5	c	3	47	40	0.21	
	Barrow-in-Farness	29.01	45	N	4	r	29.20	+32	39	38	-1	NE	3	r	*	51	37	0.36	
	Liverpool (Bidston)	29.01	42	NNW	2	o	29.20	+32	37	36	-3	NNW	3	r	3	51	36	0.14	
	Holyhead ...	29.04	43	N	4	cm	29.26	+42	41	40	-4	N	6	omp	5	49	37	0.15	
	Parsonstown ...	29.20	39	NNW	1	o	29.46	+54	40	38	+5	NNW	2	o	*	40	33	0.11	
	Valencia ...	29.24	44	NNW	7	bc	29.63	+60	44	40	+3	NNW	6	c	6	45	39	0.09	
FRANCE & NETHERLANDS.	Roche's Point...	29.19	40	N	6	r	29.44	+60	43	40	+5	N	7	bc	5	43	38	0.06	
	Pembroke ...	29.04	43	N	3	bc	29.29	+53	40	39	-1	NNW	5	rgm	2	48	37	0.08	
	Scilly ...	29.07	44	NNW	7	og	29.39	+72	41	41	-3	NNW	8	og	7	46	39	0.16	
	Prawle Point ...	28.93	43	NNW	3	r	29.32	+71	42	40	-2	W	4	b	3	48	34	0.03	
	Jersey ...	28.88	43	W	5	o	29.36	+71	42	41	+1	W	4	omv	4	48	40	0.20	
	Hurst Castle ...	28.89	41	ENE	3	c	29.27	+51	40	40	-4	NNW	4	cmv	4	46	38	0.04	
	Dungeness ...	28.91	41	SSW	3	c	29.19	+29	41	40	-2	NNW	4	c	3	47	38	0.06	
	London ...	28.93	44	SSE	2	c	29.21	+35	41	39	-5	W	1	0	*	53	40	0.08	
	Oxford ...	28.98	42	E	1	o	29.22	+37	40	39	-3	W	2	cmv	*	50	38	0.01	
	Cambridge ...	28.96	45	ESE	1	c	29.20	+29	40	39	-2	NNW	1	0	*	56	36	0.12	
PENINSULA.	Yarmouth ...	28.99	39	ESE	4	bc	29.12	+18	39	39	0	NNW	2	cf	3	40	36	—	
	Cuxhaven ...	29.25	48	W	2	r	29.44	+101	42	41	+3	S	2	c	*	48	?	0.06	
	Berlin ...	29.11	50	NNW	4	c	29.45	+37	46	42	+3	NNW	4	b	*	61	41	0.35	
	Wiesbaden ...	*	*	*	*	*	29.40	+32	46	42	-1	SW	3	0	*	52	44	0.16	
	Munich ...	29.47	?	2	0	b	29.54	+29	42	38	-5	SE	1	0	*	61	32	0.04	
	The Helder ...	29.09	40	ESE	1	c	29.10	+09	41	41	+1	S	1	0	1	46	37	0.04	
	Brussels ...	*	*	*	*	*	29.20	+18	41	40	-2	WSW	5	r	*	51	41	0.16	
	Cape Gris Nez...	28.88	45	SSW	5	c	29.17	+36	42	42	+1	SW	5	f	4	50	41	0.20	
	Paris ...	29.05	46	SSW	7	c	29.36	+33	43	41	+1	SW	4	0	*	49	41	0.16	
	Brest ...	29.11	46	NNW	8	o	29.44	+41	41	40	0	NNW	9	0	8	48	37	0.32	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Friday, 30th March

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

Sea Disturbance — where considerable is shewn thus.

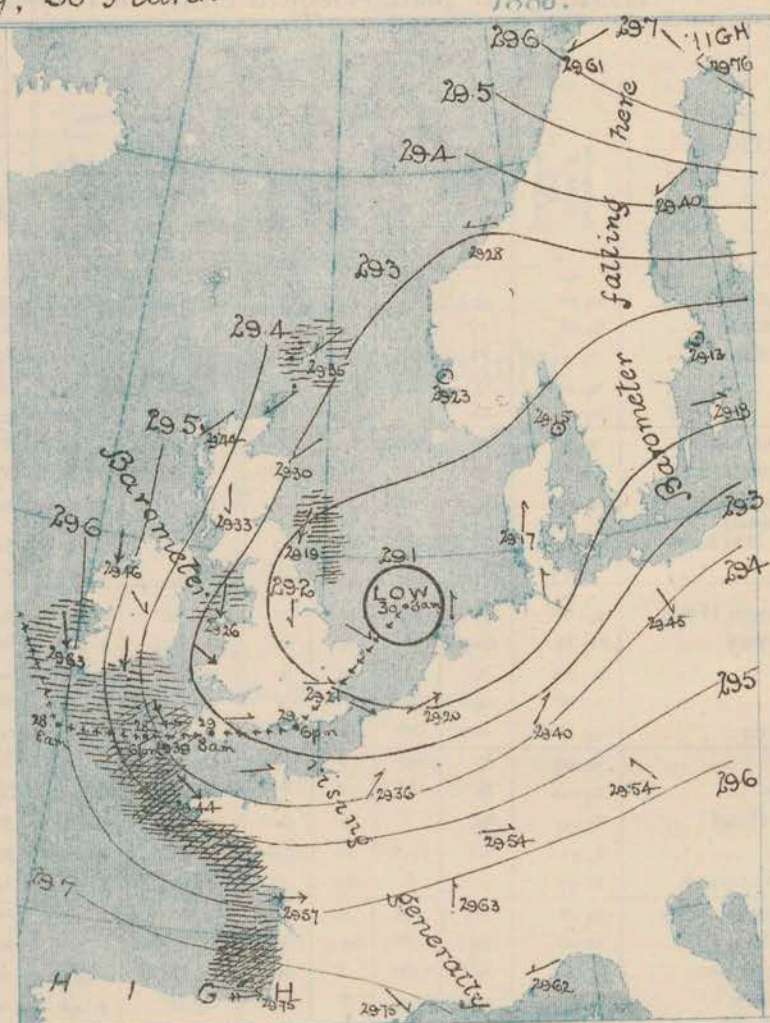
■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871-1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.751
Stornoway	29.779
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.862
Shields	29.896
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.919
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.966
Dover	29.955
LONDON	29.967
Oxford	29.968
Cambridge	29.957
Yarmouth	29.938



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of March.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry	Wet	
Sumburgh Head	42.6	34.0	38.5	37.1	2.82
Stornoway	44.9	34.4	39.2	38.0	3.87
Wick	44.7	33.9	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	36.3	1.72
Aberdeen	45.4	34.7	38.9	36.8	2.24
Leith	48.2	34.6	39.7	37.9	1.36
Shields	45.9	35.4	39.6	38.0	1.60
York	48.9	33.7	38.6	37.1	1.63
Loughborough	49.8	34.3	39.5	37.7	1.47
Ardrossan	46.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.0	39.7	1.99
Holyhead	47.6	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	39.5	42.6	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.9	40.5	44.7	42.7	2.32
Hurst Castle	48.3	37.7	41.6	40.7	1.80
Dover	46.9	37.3	41.6	39.9	1.86
LONDON	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	33.3	39.2	37.7	1.33
Yarmouth	46.7	35.8	40.8	39.1	1.77

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 29.8 ins. to 30.1 ins. over the northern half of the Spanish Peninsula, 29.6 ins. to 29.8 ins. over Lapland. Lowest 29.1 ins. and less in a depression lying between the Humber and the Helder and apparently over the Baltic also. The depression is filling up rapidly; gradients rather steep over Ireland, moderate elsewhere. Barometer rising except over Sweden and Norway.
TEMPERATURE	Highest 55° at Lisbon, 48° at Perpignan, 47° at Nice and Belfort, 46° at Wiesbaden and Berlin, and 45° in the west of Ireland. Lowest 12° at Kaparanda, 27° at Rods and Hernösand, 32° at Stockholm, 38° to 39° along our east coasts. It is falling at the southern stations, rising over northern Europe and Sweden.
WIND	Strong from the N.W. in Ireland, N.W. gales at the mouth of the Lohannel. W. gales over the Bay of Biscay, moderate S.W. winds in the east of France. Light S.W. over the Netherlands and Denmark. Over Great Britain the wind is light to moderate from between N.E. and N.W.
WEATHER	Fair in Ireland - cloudy and dull over Great Britain and France, with rain or sleet in places - variable elsewhere, with snow at Hernösand. In London the sky is overcast, the air raw, and appearance rainy.
SEA	High at Scilly and rather rough on nearly all the more exposed parts of our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

for the 24 hours ending at NOON on 31st March 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	NONE ISSUED	6 { SCOTLAND WEST	NONE ISSUED
1 { SCOTLAND EAST		7 { ENGLAND N. W.	
2 { ENGLAND N. E.		8 { ENGLAND S. W.	
3 { ENGLAND EAST		9 { IRELAND NORTH	
4 { MIDLAND COUNTIES		10 { IRELAND SOUTH	
5 { ENGLAND SOUTH		WARNINGS	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.
Skudesnæs	29.23	38	36	ENE 4	rs	3	Holyhead	28.96	45	42	NNE 4	6	2
Gumburgh Head	29.28	37	36	NE 4	0	5	Valencia	29.22	43	39	N 7	o f r p	6
Stormoway	29.23	40	39	NE 6	0	4	Scilly	28.94	42	42	N 6	o p r	6
Aberdeen	29.10	42	41	NNE 2	0	4	Dungeness	28.90	42	41	S 3	r	4
Shields	29.02	41	40	Z 0	r	4	London	28.89	49	44	SE 4	bc	*
Ardrossan	29.03	40	39	NE 3	o ow	2	Yarmouth	28.98	40	39	SE 3	bc	3
Malin Head	29.10	38	38	N 4	0	4	Jersey	28.79	46	44	?	6	0
Mullaghmore	29.14	40	38	N 6	ogr	5	Rocheport	29.17	47	45	WSW 12	r	7
Belmullet	29.23	42	40	NNW 7	0	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that pressure varied from 29.9 ins. and more over southern Russia, the Black Sea, Asia Minor and the southeastern parts of the Mediterranean, as well as over Algeria, to about 28.6 ins. in the centre of a deep depression which had moved eastwards during the day to the neighbourhood of the Eddystone, and which already showed indications of filling up. Thus while SE and E winds prevailed over central and northwestern Europe, strong NE gales were blowing in Ireland, and very severe SW to NW gales over the Bay of Biscay, while S and SE winds, strong to a gale in force, were felt over the greater part of the Channel and the southern counties of England. The weather was very unsettled, snow and rain showers prevailed in the northwest and west, and rain in the south and southeast of our Islands and the neighbouring countries. Over Austria the weather was cloudy, but fair. Temperature had again risen over central Europe, and had recovered in Scotland from the hard frost noticed there on Wednesday, but had fallen in France and over northern Europe and was somewhat irregularly distributed. The lowest individual readings were 14° at Ulmenborg, 6° at Naparanda, 14° at Kuopio and Harnissand, 22° at Helsingfors, and 28° at St. Petersburg; frost prevailed over northern Europe only. The highest readings were 67° at Cagliari, 66° at Malta, 63° at Sfax (Tunis), 63° at Pesaro and Brindisi, 61° at Palermo and Hermannstadt, 60° at Sanguinaire, 59° at Trieste, 52° at Lisbon, and 50° at Biarritz. The daily range of temperature over southern Europe was very large, maxima as high as 73° to 77° being recorded in several places. Later on the depression off our south coast continued to fill up quickly, and moved eastwards to the North Sea, while N and NW winds spread over the British Islands and the gales abated except at the French stations.

General remarks on the Weather for the 24 hours ending at 8 a.m. on March 29th 1888.

The reports for Wednesday morning showed that pressure varied from a little above 30.0 ins. at Constantinople and from 29.9 ins. and more over the Black Sea, the Balkan Peninsula and the southeastern part of the Mediterranean, to rather below 28.6 ins. in a deep depression, the centre of which had advanced from the northwestward to a position off the south of Ireland. ESW gales of great strength had set in over the Bay of Biscay, strong SE gales over England, and E to NE gales over the northwestern parts of our Islands, while over northern and central Europe the wind was light and variable. Much rain had fallen in France, and a great deal of wet snow at our own western stations, while over Ireland and England generally, squally showery weather had become general. In the north however, the weather was fair. Temperature varied greatly over the British Islands and their neighbourhood, and its changes were very irregular, but in northern and eastern Europe the thermometer had risen decidedly, though the readings in the north were still a good deal below the freezing point. The lowest individual values at 8 a.m. were 10° at Naparanda, 16° at Harnissand, 22° at Ulmenborg and Aberdeen, 25° at Stockholm, 28° at Helsingfors and 32° at Hangö; the highest were 73° at Malta, 66° at Cagliari and Naples, 63° at Sanguinaire, 60° at Trieste and Barcelona, 59° at Lavinia, and 57° at Biarritz. During the day the barometer rose fast in the North, the weather over northwestern Europe remained very rough and unsettled, and E gales set in over Scotland with a rise of temperature.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for *Saturday, 31st March* 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 ..	29.51	22	NE	6	0	29.68	- .08	19	19	+ .7	N	4	S	*	25	8	-	
	Hernösand ...	29.29	26	NE	6	S	29.80	+ .40	26	25	- .1	NE	2	0	+	27	16	0.32	
	Stockholm ...	29.52	36	S	2	0	29.65	+ .52	38	36	+ .6	Z	0	0	*	?	30	0.04	
	Wisby ...	29.59	36	SSW	4	6	29.65	+ .47	39	37	+ .6	SSE	2	6	*	41	30	0.16	
	Bodö ...	29.63	25	ENE	2	6	29.76	+ .15	22	20	- .5	E	2	0	1	32	21	-	
	Christiansund...	29.44	35	NE	7	6	29.68	+ .40	34	31	+ .1	NE	5	e	3	43	30	-	
	Skudesnaes ...	29.39	33	SSE	2	S	29.57	+ .34	34	34	- .3	Z	0	e	3	?	34	-	
	Christiania Fjord (Fjorder)	29.44	35	NW	2	6	29.54	+ .34	31	31	+ .1	NW	5	0	1	32	28	-	
	Skagen (The Scaw)	29.40	33	Z	0	0	29.50	+ .35	33	33	+ .2	S	1	0	0	37	?	0.16	
	Fanö ...	29.38	37	S	4	0	29.51	+ .34	33	33	- .2	SW	4	f	*	46	32	0.04	
BRITISH ISLANDS.	Sumburgh Head	29.51	40	NNE	3	C	29.73	+ .38	38	36	- .1	NNE	5	bc	4	44	34	0.01	
	Stornoway ...																		
	Wick ...	29.56	41	N	3	e	29.82	+ .44	39	39	- .1	N	4	bc	2	42	36	-	
	Nairn ...	29.57	40	NNE	3	e	29.83	+ .45	36	34	- .2	NW	3	bc	4	44	35	0.01	
	Aberdeen...	29.50	41	NE	4	e	29.77	+ .47	39	36	0	N	4	e	3	43	35	0.02	
	Leith ...	29.53	39	NW	2	C	29.80	+ .50	38	35	0	NW	1	bc	*	43	33	-	
	Shields ...	29.44	39	NNE	2	r	29.72	+ .53	40	38	+ .1	NW	3	e	4	40	36	0.20	
	Spurn Head ...	29.41	38	NW	4	0	29.68	+ .55	40	38	+ .2	NW	4	e	3	41	36	0.03	
	York ...	29.23	39	N	2	0	29.76	+ .61	40	38	+ .5	NW	4	0	*	42	34	0.13	
	Loughborough	29.42	39	N	3	0	29.74	+ .58	40	38	- .1	NW	3	om	*	42	36	0.08	
GERMANY.	Ardrossan ...	29.52	42	NE	2	0	29.85	+ .52	42	37	0	NW	1	6	1	43	35	-	
	Malin Head ...	29.60	42	N	3	6	29.91	+ .47	41	37	0	NNE	3	6	3	43	39	0.01	
	Mullaghmore ...	29.61	44	NW	5	e	29.90	+ .44	40	39	- .3	NE	2	6	2	47	37	-	
	Behaulet ...	29.67	44	N	4	0	29.93	+ .38	42	39	- .2	ENE	3	6	*	46	36	0.19	
	Donaghadee ...	29.53	43	NNE	3	0	29.87	+ .52	42	38	0	NNE	3	6	2	50	39	0.04	
	Barrow-in-Furness	29.46	42	NE	2	0	29.78	+ .58	39	36	0	NNE	3	0	*	45	38	0.01	
	Liverpool (Bidston)	29.49	40	NW	2	0	29.80	+ .60	39	36	+ .2	N	1	0	2	42	37	0.09	
	Holyhead ...	29.50	42	NW	4	0	29.81	+ .55	41	39	0	NE	4	e	4	44	40	0.01	
	Parsonstown ...	29.63	44	NW	2	e	29.88	+ .42	36	35	- .4	Z	0	0	*	50	34	0.01	
	Valencia...	29.75	45	NW	3	e	29.88	+ .25	44	40	0	NNE	4	6	5	49	33	0.01	
FRANCE & NETHERLANDS.	Roche's Point...	29.65	43	N	5	bc	29.81	+ .37	39	37	- .4	NNE	3	e	3	48	35	0.01	
	Pembroke ...	29.55	43	NW	4	e	29.77	+ .48	41	40	+ .1	N	1	bc	2	46	37	0.04	
	Seilly ...	29.63	46	NW	8	bc	29.78	+ .39	45	42	+ .4	NW	2	bc	5	48	40	0.03	
	Prawle Point ...	29.54	43	NW	4	0	29.78	+ .46	45	43	+ .3	NW	3	bc	3	46	36	-	
	Jersey ...	29.50	48	W	4	0	29.80	+ .44	44	42	+ .2	NW	3	cm	3	48	40	0.07	
	Hurst Castle ...	29.43	40	NW	2	r	29.75	+ .48	40	40	0	NW	2	cm	2	45	39	0.07	
	Dungeness ...	29.36	42	W	5	C	29.67	+ .48	39	38	- .2	N	3	r	2	47	38	-	
	London ...	29.40	44	SW	1	r	29.73	+ .52	39	38	- .2	NW	1	02	*	50	38	0.08	
	Oxford ...	29.49	39	NW	3	0	29.75	+ .53	39	38	- .1	N	2	02	*	45	37	0.13	
	Cambridge ...	29.42	40	NW	1	0	29.75	+ .55	40	39	0	N	1	0	*	48	35	0.03	
PENIN. ISLS.	Yarmouth ...	29.34	40	ENE	2	e	29.64	+ .52	39	38	0	N	3	e	3	46	36	0.17	
	Cuxhaven ...	29.48	38	SSW	4	r	29.62	+ .48	40	39	- .2	WSW	4	0	*	50	38	0.08	
	Berlin ...	29.58	51	SSW	1	e	29.67	+ .22	44	41	- .2	WSW	2	0	*	54	41	-	
	Wiesbaden ...	*	*	*	*	*	29.69	+ .29	40	39	- .6	SW	3	0	*	52	37	0.04	
	Munich ...	29.67	45	W	4	0	29.82	+ .28	38	37	- .4	SW	5	0	*	52	34	0.16	
	The Helder ...	29.43	38	SW	3	f	29.62	+ .52	37	37	- .4	SW	1	f	1	43	37	0.04	
	Brussels ...	*	*	*	*	*	29.65	+ .45	42	41	+ .1	W	1	m	*	49	40	0.12	
	Cape Gris Nez...	29.40	41	WSW	5	bc	29.63	+ .46	39	39	- .3	N	5	0	4	46	37	0.04	
	Paris ...	29.52	45	SW	3	e	29.74	+ .38	43	39	0	SSE	3	0	*	52	39	0.16	
	Brest ...	29.67	41	NW	1	0	29.81	+ .37	44	41	+ .3	NW	4	0	5	46	37	-	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Saturday, 31st March

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.

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

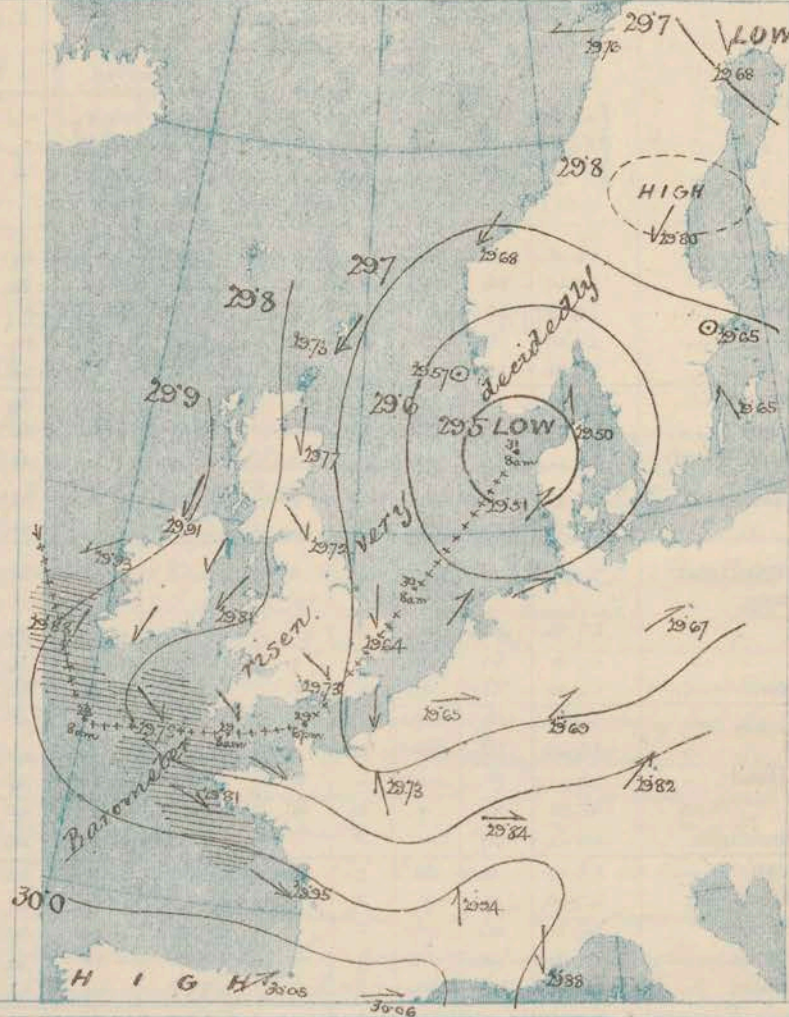
Sea Disturbance — where considerable is shown thus.

— Rough — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	inc.
Sumburgh Head	29.751
Stornoway	29.779
Wick	29.797
Nairn	29.815
Aberdeen	29.830
Leith	29.862
Shields	29.896
York	29.925
Loughborough	29.948
Ardrossan	29.876
Donaghadee	29.892
Holyhead	29.910
Liverpool	29.925
Parsonstown	29.940
Valencia	29.938
Roche's Point	29.941
Pembroke	29.944
Scilly	29.966
Jersey	29.971
Hurst Castle	29.968
Dover	29.955
LONDON	29.967
Oxford	29.966
Cambridge	29.957
Yarmouth	29.938



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

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

Weather — is shown by letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of March.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.6	34.0	38.5	37.1	2.92
Stornoway	44.9	34.4	39.2	38.0	3.87
Wick	44.7	33.9	39.1	37.2	1.97
Nairn	45.6	34.2	38.2	36.3	1.72
Aberdeen	45.4	34.7	38.9	36.8	2.24
Leith	48.2	34.6	39.7	37.9	1.86
Shields	45.9	35.4	39.6	38.0	1.60
York	48.9	33.7	38.6	37.1	1.63
Loughborough	49.8	34.3	39.5	37.7	1.47
Ardrossan	46.8	36.6	40.5	38.7	2.59
Donaghadee	47.3	37.1	41.0	39.7	1.99
Holyhead	47.6	39.2	42.5	41.0	2.21
Liverpool	47.3	37.1	40.8	38.7	1.69
Parsonstown	50.1	35.5	41.2	39.6	2.35
Valencia	51.6	40.6	45.4	43.4	4.24
Roche's Point	50.2	40.0	43.8	42.1	3.71
Pembroke	47.1	39.5	42.6	40.8	2.45
Scilly	49.9	43.0	46.5	44.7	2.38
Jersey	49.0	40.5	44.7	42.7	2.32
Hurst Castle	48.3	37.7	41.6	40.7	1.90
Dover	46.9	37.8	41.6	39.9	1.86
LONDON.	50.6	35.8	40.6	38.7	1.43
Oxford	49.5	35.2	39.4	37.9	1.52
Cambridge	50.6	33.3	39.2	37.7	1.33
Yarmouth	45.7	35.8	40.8	39.1	1.77

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 in: and more over Spain and the extreme southwest of France — 29.7 in: to 29.8 in: over the northern half of Scandinavia.
 Lowest, 29.5 in: and less, in a depression over Denmark, about 29.5 in: between Falmouth and the Helder, and about 29.75 in: at the mouth of the Bristol Channel.
 Gradients moderate for N. winds in our Islands, and for W. winds over France.
 Barometer rising generally — most in the southeast.

TEMPERATURE

Highest, 48° at Birnity, 46° at Kier, 45° at Scilly, 44° at Valencia and Berlin, and 42° at Ardrossan.
 Lowest, 12° to 16° over the northern parts of Scandinavia, 33° in Denmark, 36° at Kain and Parnassus, 39° at Oxford and in London.
 It is several degrees below the average for the time of year throughout our Islands.

WIND

Light to moderate from the N. (NE to NW) over the United Kingdom.
 Moderate to fresh from NW. over the Bay of Biscay. S. in the east of France and in Denmark.
 SW over Germany and variable over Sweden and Norway. The gales over the Bay of Biscay have subsided.

WEATHER

Fine and bright in our western and northern coasts, dull over England with rain in places.
 B. over the Continent also — with rain at Belfast, snow at Helsingland.

SEA

Rather rough in the southwest (but going down), slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is at present no indication of any important change.

FORECASTS

for the 24 hours ending at NOON on 1st April.

1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	N ^W winds, moderate or fresh; some cold showers.
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	Varying NW ^W to NE ^W breezes, light; cloudy, cold, rain at times.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	N ^W winds, moderate; cold, fair as a whole.
7	ENGLAND N.W.	----- D° ----- D° ----- D° -----
8	ENGLAND S.W.	Same as N° 5.
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.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.30	36	35	SE 1	TS	2	Holyhead ...	29.44	44	42	W 5	C	5
Sumburgh Head ...							Valencia ...						
Stornoway ...	29.55	45	44	NE 6	BC	4	Scilly ...						
Aberdeen ...							Dungeness ...	29.48	42	40	W 3	C	3
Shields ...							London ...						*
Ardrossan ...	29.42	43	42	N 2	O	1	Yarmouth ...						
Malin Head ...	29.50	41	40	N 3	O	3	Jersey ...	29.45	47	44	W 5	C	4
Mullaghmore ...							Rochefort ...	29.73	50	46	W 8	T	1
Belmullet ...	29.64	40	39	W 5	Chp	*							

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

The reports for yesterday morning showed that pressure was highest 30.1 ins: and upwards over Algeria, but high 29.9 ins: and upwards over the whole of Southern and Eastern Europe. The lowest reading, 29.1 ins: and less, were found in two small depressions, one of which - (identical with the disturbance noticed over the Channel on the previous day) lay off the East of England, while the other was shown over the Baltic. Light to fresh NE^{ly} breezes prevailed over Scandinavia and the north of our Islands, strong N^{ly} winds on our western coasts, W^{ly} gales over the Bay of Biscay, moderate NW^{ly} breezes over the East and southeast of England, and light SW^{ly} or S^{ly} breezes over the greater part of Central and Southern Europe. Cloudy, unsettled weather continued generally, with snow in many parts of Scandinavia, cold rain in the west and north of England, and passing showers in many other localities. Temperature had fallen a little over Southern Europe and also over England, but risen elsewhere; readings ranged from between 53° and 65° over Algeria, Italy, and Southern Austria to 15° over Lapland and Northern Russia. The highest individual readings were 64° at Sfax, 63° at Cagliari, 61° at Hermannstadt, Brindisi and La Galle, 60° at Palermo, 59° at Oran, 58° at Algiers, and 57° at Rome, the lowest were 12° at Naparanda, and Archangel, 15° at Uleaborg, 17° at Rode, Hernsand and Kropio, 30° at Lander, 31° at Ragn and 32° at Oso.

In the course of the ^{day} depression off the East of England moved slowly northwards over the North Sea, but some secondary disturbances were formed in its rear and cold showers therefore continued in most parts of the United Kingdom.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

CORRECTIONS AND ADDITIONS TO THE REPORTS FOR MARCH 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	Malin Hd. 2pm	-	-	-	-	-	30.46	-	39	35	-	E	3	C	1	-	-	-		
2	Nice	29.89	41	S	4	S	29.84	-11	37	33	-3	E	1	B	1	52	32	-		
	Corunna	*	*	*	*	*	29.71	-31	48	44	+3	NE	9	C	5	48	41	-		
3	Kisby	29.12	29	SSW	4	C	28.78	-72	25	-	-5	ESE	6	S	*	34	25	0.28		
	Corunna	*	*	*	*	*	29.92	+21	44	42	-4	NE	1	B	4	54	37	-		
5	Kisby	29.46	24	NE	4	S	29.46	-	18	-	-	ESE	6	S	*	25	12	0.08		
	SKagen	29.44	12	2	0	B	29.65	+23	14	13	-7	E	3	B	2	23	12	0.08		
	Corunna	*	*	*	*	*	30.16	+08	46	42	-4	NE	1	B	2	52	37	-		
6	SKagen	29.84	16	SW	1	B	29.71	+06	21	21	+7	SW	5	C	3	21	9	-		
	Lisbon	30.21	50	NW	7	B	30.30	+22	56	-	+6	NW	5	BC	1	57	45	-		
	Corunna	*	*	*	*	*	30.38	+17	41	-	-5	ESE	3	C	4	55	34	-		
7	Corunna	*	*	*	*	*	30.30	-03	48	44	+7	ESE	1	B	3	55	36	-		
8	Corunna	*	*	*	*	*	30.17	-13	55	52	+7	S	7	T	4	63	46	-		
9	Corunna	*	*	*	*	*	30.03	-14	60	57	+5	S	8	T	4	63	52	-		
10	Brussels	*	*	*	*	*	29.42	-27	49	47	-1	WSW	4	C	*	54	48	0.35		
	Corunna	*	*	*	*	*	30.03	-00	58	57	-2	SSW	6	C	6	63	54	0.12		
12	Prawle Point	29.26	43	W	8	B	29.87	+49	43	41	-1	W	4	B	4	46	32	0.10		
	Jersey	-	-	-	-	-	29.44	+23	44	42	-4	WSW	5	BC	4	49	41	0.02		
	Corunna	*	*	*	*	*	29.87	+09	53	50	0	SSW	7	C	5	59	45	0.79		
	Lisbon	30.07	58	WSW	5	T	30.07	-04	55	54	-2	WSW	3	C	4	59	54	0.84		
13	Prawle Point	29.40	43	WSW	3	C	29.55	+18	38	38	-5	E	5	T	4	48	30	0.04		
	Corunna	*	*	*	*	*	29.87	-00	55	51	+2	SSW	4	B	5	57	45	0.04		
14	Parsonstown	29.21	38	NE	1	C	29.17	-24	35	34	-1	NW	1	C	*	39	34	0.10		
	The Helder	29.76	28	ESE	1	C	29.58	-01	26	-	-4	ESE	5	C	4	50	26	-		
	Corunna	*	*	*	*	*	29.68	-19	58	52	+3	SSW	5	C	4	64	45	-		
15	Stornoway	29.30	33	SE	8	S	29.43	+17	34	34	+1	SE	7	C	6	38	31	0.08		
16	Lyons	29.47	46	E	1	C	29.49	-01	41	-	-2	SSW	1	C	*	55	39	0.20		
	Corunna	*	*	*	*	*	29.59	+03	50	46	-8	NW	5	T	5	54	41	0.20		
17	Corunna	*	*	*	*	*	30.05	+46	50	-	0	N	7	BC	6	54	37	0.08		
19	Corunna	*	*	*	*	*	30.01	-16	44	42	-3	NE	8	BC	6	55	36	-		
20	Corunna	*	*	*	*	*	30.10	+09	44	43	0	N	7	T	7	45	34	0.20		
21	Cap Gris Nez	29.97	31	ESE	8	S	30.09	+25	34	-	+4	ESE	8	S	8	?	27	-		
	Corunna	*	*	*	*	*	30.16	+06	47	45	+3	NNE	8	C	7	46	39	0.12		
22	Corunna	*	*	*	*	*	30.26	+10	49	45	+2	NNE	8	BC	6	49	39	-		
23	Stornoway	29.77	40	E	5	C	29.69	-20	32	32	-10	NE	5	S	4	43	29	0.05		
	Corunna	*	*	*	*	*	29.80	-46	51	51	+2	NW	7	C	4	55	45	-		
	Stornoway	-	-	-	-	-	29.66	-	33	33	-	NE	7	S	5	-	-	-		
24	Stornoway 2pm	29.55	34	NE	7	S	29.58	-11	38	37	+6	NE	8	C	6	39	29	0.28		
	Prawle Point	29.35	43	NW	3	BC	29.37	-09	38	37	-2	ESE	4	C	3	47	31	-		
	Corunna	*	*	*	*	*	29.45	-35	48	48	-3	SW	4	T	4	55	45	0.43		
26	Stornoway	29.02	33	NE	4	S	29.08	-11	34	33	+2	NE	6	S	5	38	24	0.30		
	Corunna	*	*	*	*	*	30.30	-28	42	42	-6	N	5	T	6	50	39	0.53		
	Lisbon	29.75	57	S	7	C	29.45	-33	57	56	+1	SSW	9	C	8	59	54	0.28		
	Stornoway 2pm	-	-	-	-	-	29.11	-	39	38	-	NNE	6	C	5	-	-	-		
27	Stornoway	29.11	35	NNE	6	S	28.89	-20	32	32	-2	NE	3	C	3	40	27	0.05		
	Corunna	*	*	*	*	*	29.34	+04	51	48	+9	S	4	B	?	?	?	?		
	Stornoway 2pm	-	-	-	-	-	28.86	-	32	31	-	NE	4	S	3	-	-	-		
28	Stornoway	28.89	31	NE	4	S	29.05	+17	33	33	+1	NE	5	C	4	37	29	0.45		
	Corunna	*	*	*	*	*	29.05	-29	40	40	-11	SW	11	C	4	59	34	0.18		
	Stornoway 2pm	-	-	-	-	-	29.14	-	38	36	-	E	5	C	4	-	-	-		
29	Stornoway	29.17	38	NE	5	C	29.19	+14	39	38	+6	NE	5	C	4	39	?	-		
	Corunna	*	*	*	*	*	29.06	+01	51	47	+11	SW	9	T	7	54	40	0.51		
30	Corunna	*	*	*	*	*	29.96	+90	50	46	-1	WSW	7	BC	6	54	39	0.20		
31	Stornoway	29.63	42	NE	6	BC	29.92	+48	33	33	-6	NE	3	B	3	46	32	0.04		
	Corunna	*	*	*	*	*	30.03	+07	52	48	+2	SW	?	?	4	54	41	0.04		

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

Names of Districts.	Names of Stations.	Mean height of Barometer (at 32° Fahrenheit and Mean Sea Level) from observations made at 8 a.m.	Air Temperature.								Tension of Vapour
			At 8 a.m.	Means of			Absolute Extremes.				
				Minima	Maxima	Min. and Max. combined	Minimum	Date	Maximum	Date	
		ins.	°	°	°	°	°		°		ins.
0. SCOTLAND, N.	{ Sumburgh Head ...	29.655	34.8	30.5	39.4	35.0	25	3 rd	45	20 th	0.176
	{ Wick ...	29.650	36.0	31.3	41.0	36.2	22	28 th	50	9 th	.203
	{ Stornoway ...	29.642	37.1	32.8	42.3	37.6	27	27 th	49	6 th + 8 th	.217
1. SCOTLAND, E.	{ Nairn ...	29.643	33.8	29.3	41.9	35.6	19	17 th	56	9 th	.166
	{ Aberdeen ...	29.643	34.5	30.4	41.5	36.0	17	28 th	54	7 th	.174
	{ Leith ...	29.630	36.3	32.0	42.9	37.5	24	17 th	56	8 th	.188
2. ENGLAND, N.E.	{ Shields ...	29.608	36.4	32.2	41.4	36.8	26	14 th	56	9 th	.193
	{ York ...	29.613	35.9	31.7	43.8	37.8	26	2 nd + 5 th	58	9 th	.185
	{ Spurn Head ...	29.579	36.3	33.2	41.0	37.1	29	17 th	50	8 th + 9 th	.186
3. ENGLAND, E.	{ Yarmouth ...	29.578	36.2	32.3	40.1	36.2	27	1 st	55	9 th	.193
	{ Cambridge ...	29.608	36.5	31.3	45.2	38.3	23	2 nd	56	9 th 10 th 29 th	.200
4. MIDLAND COUNTIES.	{ Loughborough ...	29.615	35.6	32.3	44.3	38.3	26	24 th	56	8 th + 9 th	.181
	{ Oxford ...	29.620	36.1	32.7	43.7	38.2	24	2 nd	54	9 th	.190
5. ENGLAND, S.	{ London ...	29.610	37.3	33.7	44.7	39.2	25	2 nd	56	10 th	.192
	{ Dungeness ...	29.593	36.3	32.7	44.7	37.2	24	2 nd 5 th + 6 th	47	2 nd 29 th 30 th	.199
	{ Hurst Castle ...	29.626	37.7	34.7	43.1	38.9	24	2 nd	50	6 th	.210
6. SCOTLAND, W.	Ardrossan ...	29.632	36.6	32.1	41.9	37.0	25	5 th 17 th	50	6 th	.190
7. ENGLAND, N.W.	{ *Hawes Junction ...	28.358	30.7	27.2	36.3	31.8	20	2 nd + 24 th	46	8 th 9 th 12 th 14 th	.167
	{ Barrow-in-Furness ...	29.611	35.9	32.9	42.0	37.5	28	13 th + 17 th	51	29 th	.185
	{ Liverpool Obs. (Bidston) ...	29.617	36.5	33.7	42.6	38.2	28	2 nd	55	9 th	.180
	{ Holyhead ...	29.614	38.4	35.5	42.9	39.2	30	2 nd	49	9 th 10 th 29 th	.204
8. ENGLAND, S.W.	{ Pembroke ...	29.602	38.9	35.5	43.1	39.3	26	2 nd	48	9 th 11 th 29 th	.210
	{ Prawle Point ...	29.631	39.0	31.4	45.3	38.4	23	17 th	52	21 st	.209
9. IRELAND, N.	{ Malin Head ...	29.638	38.0	34.6	41.9	38.3	29	15 th + 17 th	51	8 th	.199
	{ Donaghadee ...	29.635	38.1	34.8	44.4	39.6	29	5 th	53	6 th + 8 th	.198
	{ Mullaghmore ...	29.638	38.7	34.6	44.1	39.4	29	2 nd 17 th 21 st 26 th	53	8 th	.204
	{ Belmullet ...	29.652	39.4	35.8	44.4	40.1	27	2 nd	51	6 th	.212
10. IRELAND, S.	{ Parsonstown ...	29.654	35.0	30.6	45.5	38.1	22	2 nd 3 rd 19 th 20 th	57	8 th	.180
	{ Valencia ...	29.665	41.7	36.1	47.9	42.0	28	10 th	54	10 th	.210
	{ Roche's Point ...	29.638	39.1	35.3	46.4	40.9	30	1 st 2 nd 17 th 19 th 20 th	53	10 th	.204
CHANNEL ISLANDS.	{ Scilly (St. Mary's) ..	29.626	42.8	38.9	46.2	42.6	31	1 st	54	10 th	.234
	{ Jersey (Noirmont) ...	29.664	40.9	36.9	45.6	41.3	28	1 st	52	10 th 28 th	.216
* Hawes Junction is 1185 feet above mean Sea Level and the											

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

STATIONS in the BRITISH ISLANDS during the Month of MARCH 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.																	
87	8.4	1.37	0.35	21 st	23	13	1	0	2	20	0	8	4	2	7	3	1	1	1	4
96	7.9	2.82	0.35	23 rd	26	7	1	0	2	18	5	6	2	4	5	4	2	4	4	0
98	8.2	3.97	0.44	7 th	21	5	0	0	1	21	7	1	10	3	6	1	3	2	1	4
85	6.4	2.62	1.01	7 th	19	10	0	0	8	12	1	4	1	4	2	0	6	1	3	10
86	7.6	3.37	0.54	10 th	21	6	1	0	4	18	3	5	1	4	5	3	3	3	7	0
88	6.8	2.79	0.45	28 th	19	11	0	0	5	11	0	1	1	8	2	1	3	9	5	1
90	8.2	4.22	1.37	29 th	22	12	2	0	3	21	5	4	6	4	2	1	3	7	2	2
88	7.5	3.06	0.59	22 nd	18	7	0	0	6	19	0	8	3	5	1	3	1	5	5	0
87	8.2	1.68	0.43	11 th	18	9	0	1	1	17	8	5	6	3	2	2	5	4	4	0
90	6.8	3.36	0.67	11 th	20	12	0	2	0	8	5	4	5	2	3	2	4	5	5	1
93	8.2	2.20	0.65	11 th	20	13	1	0	5	22	0	10	3	0	4	4	4	2	3	1
86	8.4	2.17	0.27	11 th & 24 th	17	13	2	0	3	21	2	6	2	5	4	0	4	5	5	0
89	7.7	3.12	0.42	25 th	20	12	1	0	4	17	0	6	5	0	2	3	6	5	3	1
87	8.7	2.75	0.34	13 th	19	9	2	2	2	24	6	3	5	1	2	4	6	6	3	1
94	8.1	3.08	0.45	27 th	23	8	0	0	0	13	5	5	6	0	1	3	6	6	4	0
93	7.0	2.89	0.51	10 th	22	7	1	1	2	9	6	5	4	4	1	1	6	7	3	0
88	6.8	2.88	1.02	7 th	15	6	0	0	7	15	5	5	10	4	0	3	1	2	6	0
97	7.0	4.30	0.90	8 th	22	11	0	0	8	19	1	3	12	4	3	3	4	7	1	0
88	6.5	3.60	0.63	11 th	17	6	1	0	3	14	3	6	11	3	1	3	2	0	5	0
83	7.1	2.05	0.34	11 th	19	7	1	0	6	17	2	5	5	6	1	2	6	4	2	0
88	6.3	2.72	0.53	11 th	21	8	1	0	4	7	3	3	9	5	1	2	5	4	1	1
89	6.3	2.74	0.60	13 th	18	4	0	0	2	9	6	5	7	2	2	2	4	3	6	0
88	6.7	2.38	0.29	24 th	20	5	1	0	6	15	2	7	4	2	2	1	5	6	4	0
87	7.6	1.86	0.30	10 th	20	7	2	0	5	19	0	5	7	3	4	3	3	3	3	0
86	5.8	3.11	0.60	11 th	22	3	0	0	7	10	3	1	8	9	2	0	4	4	3	0
87	6.6	3.75	1.42	11 th	17	7	3	0	4	7	9	5	8	7	1	1	6	2	1	0
88	7.6	5.53	1.44	27 th	24	5	3	0	5	20	5	4	3	9	3	2	3	3	4	0
88	7.5	3.02	0.68	10 th	18	5	0	0	3	16	0	1	2	2	0	3	0	0	4	19
81	6.6	4.51	1.03	27 th	23	1	1	1	5	11	3	7	4	4	1	3	3	3	3	3
85	5.8	4.08	1.05	10 th	20	3	2	1	7	10	4	9	5	3	1	0	4	5	4	0
85	8.3	3.41	0.56	24 th	22	2	1	0	0	14	7	5	6	2	0	2	5	6	5	0
85	6.6	4.20	0.42	10 th	22	4	6	1	5	13	4	4	5	1	2	3	7	7	2	0

Baremetric Observations at this Station are not corrected for altitude.

2. CORRECTIONS.

DATE.	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.								PAST 24 HOURS.			
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.
				Direc.	Force, (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force, (0 to 12.)			Max.	Min.	
1	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain
3	York	29.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Loughborough	-	-	-	-	-	-	-	32	-	0	-	-	-	-	-	-	-
6	London	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
10	Barrow-in-Fur.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-	-
12	Sumburgh Hd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain
15	Stockholm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?	-
-	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain
16	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-	-
18	Stornoway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	-
-	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	-
21	Mullaghmore	-	-	-	-	-	-	-	-	33	-	-	-	-	-	-	-	-
24	Hurst Castle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	-
26	Aberdeen	28.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	-
28	Wick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15
-	Yarmouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02
31	Mullaghmore	-	-	-	-	-	-	-	42	-	- 1	-	-	-	-	-	-	-

Note.— Owing to a Telegraphic Error the amount of Rainfall given in the Monthly Summary for February at Malin Head is erroneous. The "Total Fall for the month" should read "0.93" and the "Number of Rainy Days" "16".

Note.— Owing to a Telegraphic Error the amount of Rainfall given in the Monthly Summary for February at Malin Head is erroneous. The "Total Fall for the month" should read "0.93" and the "Number of Rainy Days" "16".