

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 Wednesday 1st February 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.		
SCANDINAVIA.		Inch.	°				Inch.	Inch.	°	°	°					°	°	Inch.	
Haparanda ..		29.44	8	2	0	b	29.54	+ .19	-1	-1	- 24	S	2	c	*	25	?	—	
Hernösand ...		29.65	22	2	0	0	29.67	+ .17	16	15	- 6	Z	0	0	*	25	16	—	
Stockholm ...		29.86	17	SSW	2	c	29.74	- .12	21	21	+ 8	SW	2	s	*	23	9	0.04	
Wisby ...		29.91	23	SSE	1	0	29.78	- .14	22	21	+ 4	N	1	b	*	30	14	—	
Bodö ...		29.48	25	NW	6	0	29.55	+ .21	22	19	- 6	NW	4	c	2	28	19	—	
Christiansund...		29.74	28	NNE	6	S	29.82	+ .28	28	26	- 5	N	5	c	4	34	23	—	
Skudesnaes ...		29.73	37	S	4	0	29.80	+ .26	28	26	- 9	NNW	4	bc	3	37	?	—	
Christiania Fjord (Fæder)		29.74	31	SSW	6	0	29.72	+ .05	30	28	0	N	6	0	4	32	25	—	
Skagen (The Scaw)		29.83	22	SW	2	bc	29.75	+ .03	23	23	- 4	WSW	4	0	3	27	21	0.04	
Fanö ...		29.85	23	SSE	2	b	29.90	+ .16	14	13	- 11	Z	0	b	*	?	12	—	
Sumburgh Head		29.86	30	N	5	0	30.01	+ .53	28	27	- 7	N	1	bc	2	35	26	0.03	
Stornoway ...		29.92	33	N	9	0	30.09	+ .57	30	30	- 6	N	6	bc	4	36	28	—	
Wick ...		29.87	37	NNE	6	0	30.07	+ .74	28	28	- 12	NNW	2	c	2	40	28	0.08	
Nairn ...		29.79	36	NNE	8	0	30.07	+ .81	30	29	- 9	WNW	2	b	3	40	29	0.11	
Aberdeen...		29.68	36	NNE	5	c	30.04	+ .85	31	30	+ 1	NNW	2	c	2	41	30	0.08	
Leith ...		29.58	41	NE	5	c	30.03	+ .85	33	30	- 2	N	1	c	*	41	32	0.21	
Shields ...		29.47	40	NE	4	c	29.92	+ .73	34	34	+ 1	NW	2	s	3	40	32	0.45	
Spurn Head ...		29.33	36	ENE	5	S	29.88	+ .55	34	32	- 1	ENE	4	bc	4	38	31	0.03	
York ...		29.46	36	NNE	1	0	29.92	+ .65	29	29	- 6	N	1	b	*	39	28	0.05	
Loughborough		29.26	34	ENE	1	S	29.89	+ .48	29	28	- 5	NNE	2	bm	*	39	29	0.09	
Ardrossan ...		29.60	40	NNE	5	b	30.05	+ .80	30	30	- 7	N	1	bm	1	42	29	0.10	
Malin Head ...		29.66	39	N	7	c	30.05	+ .70	37	35	- 3	NNE	4	0	4	42	36	—	
Mullaghmore ...		29.72	40	N	9	0	30.03	+ .48	38	36	- 2	NE	5	c	3	42	37	0.01	
Belmullet ...		29.87	39	N	10	0	30.11	+ .39	39	36	- 1	N	3	0	*	41	37	0.15	
Donaghadee ...		29.54	42	NNE	8	c	30.02	+ .75	37	35	- 5	NE	7	bc	5	43	37	0.03	
Barrow-in-Furness		29.34	36	NW	5	c	29.93	+ .74	34	33	- 5	NNE	2	c	*	40	33	0.03	
Liverpool (Bidston)		29.32	36	NE	5	0	29.93	+ .63	33	31	- 4	ENE	2	b	2	38	32	0.18	
Holyhead ...		29.38	40	N	8	0	29.93	+ .55	37	35	- 3	ENE	4	c	4	43	37	0.02	
Parsonstown ...		29.63	39	NNW	4	0	30.02	+ .40	36	33	+ 1	NNW	1	0	*	41	34	0.02	
Valencia ...		29.80	41	N	6	c	30.03	+ .26	40	36	- 2	NE	5	c	5	45	39	0.04	
Roche's Point...		29.68	42	NNW	7	c	29.98	+ .27	37	34	- 3	NNE	5	b	4	44	36	—	
Pembroke ...		29.31	38	NNW	7	r	29.33	+ .31	35	33	- 5	NE	4	b	2	42	35	0.12	
Scilly ...		29.44	44	NNW	9	0	29.66	+ .06	40	37	- 5	NNE	9	0	y	45	38	0.08	
Prawle Point ...		29.29	37	WNW	6	bc	29.67	+ .12	33	31	- 8	NE	7	ow	6	43	30	0.11	
Jersey ...		29.65	40	WNW	4	c	29.54	- .13	39	37	- 3	E	6	om	5	45	35	0.31	
Hurst Castle ...		29.24	37	WNW	2	bc	29.68	+ .12	33	32	- 7	ENE	7	crs	3	41	31	0.04	
Dungeness ...		29.26	36	W	3	c	29.65	+ .08	31	31	- 6	E	5	c	4	39	29	0.27	
London ...		29.24	36	SSW	3	op	29.75	+ .25	32	31	- 4	ENE	5	oq	*	41	31	0.20	
Oxford ...		29.30	32	NNW	2	c	29.87	+ .36	29	28	- 7	NE	5	c	*	42	29	0.01	
Cambridge ...		29.28	33	Z	0	c	29.85	+ .38	27	26	- 7	NNE	2	b	*	42	25	0.02	
Yarmouth ...		29.43	32	SE	8	S	29.83	+ .35	28	27	- 6	ENE	6	bc	5	38	27	0.21	
Cuxhaven ...		29.83	23	SE	2	b	29.96	+ .06	18	18	- 2	S	1	m	*	23	16	—	
Berlin ...		29.86	20	E	3	0	29.85	- .12	19	19	- 2	WNW	2	s	*	25	14	—	
Wiesbaden ...		*	*	*	*	*	29.82	- .08	12	12	- 6	NE	4	b	*	23	10	—	
Munich ...		29.73	4	Z	0	b	29.75	- .08	-7	-7	- 14	SE	1	b	*	18	-8	—	
The Helder ...		29.63	23	SE	4	b	29.88	+ .20	20	19	- 4	E	1	b	2	25	19	0.08	
Brussels ...		*	*	*	*	*	29.73	- .05	19	19	0	ENE	3	c	*	25	18	0.04	
Cape Gris Nez...		29.27	28	S	8	S	29.65	+ .03	22	22	- 7	ESE	7	0	5	32	21	—	
Paris ...		29.50	25	S	7	S	29.54	- .33	28	27	+ 10	NNE	1	s	*	?	?	0.08	
Brest ...		29.51	40	NNW	8	0	29.71	- .29	37	35	- 7	N	9	r	7	46	34	0.67	
Lorient ...		29.50	42	NNW	7	b	29.43	- .39	36	34	- 7	NE	4	c	4	45	36	0.12	
Rochefort ...		29.62	44	SW	8	r	29.53	- .47	39	38	+ 8	WSW	3	r	2	46	?	0.39	
Belfort ...		29.78	12	E	1	0	29.72	- .16	14	14	+ 1	NE	1	0	*	19	9	—	
Lyons ...		29.87	19	E	1	0	29.68	- .31	24	22	+ 12	SSE	4	0	*	?	?	—	
Nice ...		29.58	33	E	1	b	29.75	+ .08	36	?	+ 7	ENE	3	r	2	41	25	—	
Perpignan ...		29.84	36	NN	4	b	29.65	- .26	23	22	- 3	SW	3	b	*	39	23	—	
Biarritz ...		29.83	41	WSW	7	bc	29.29	- .45	41	36	+ 14	SW	7	0	5	43	27	—	
Corunna ...		*	*	*	*	*	29.72	- .29	45	43	+ 12	NN	8	s	6	48	32	0.39	
Lisbon ...		30.06	42	NN	4	b	29.89	- .19	41	39	+ 5	ESE	1	c	2	46	36	0.04	

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

WEATHER CHARTS

for 8 a.m. on

WEDNESDAY, 1st February, 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.

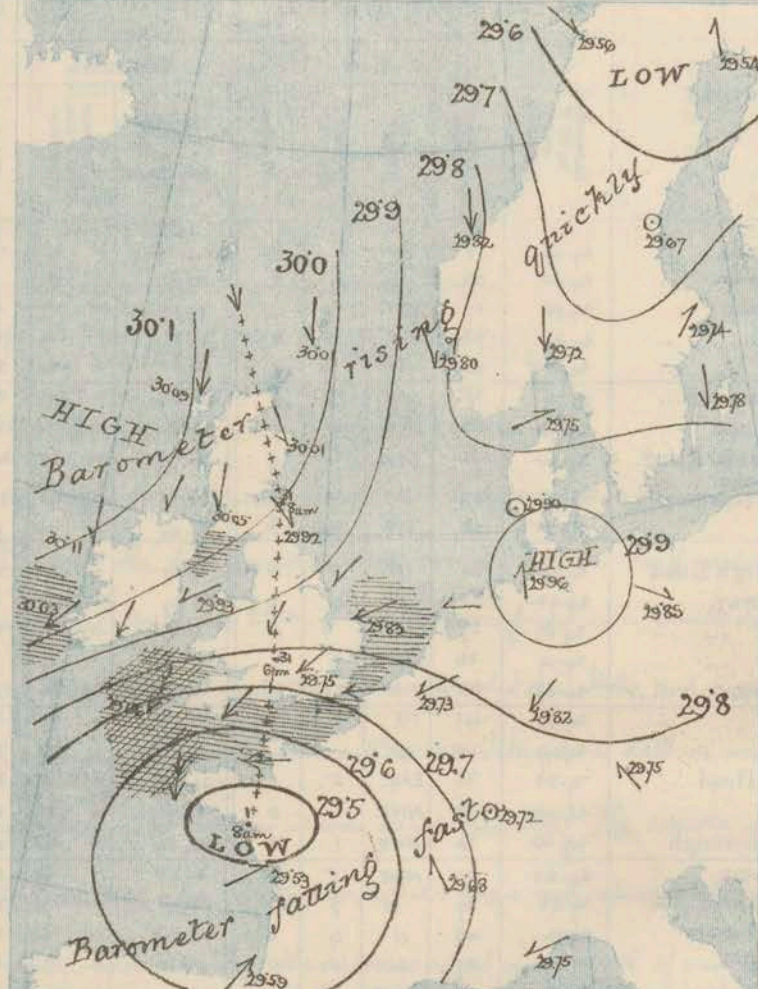
Sea Disturbance—where considerable is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS
Sumburgh Head	29.718
Stornoway	29.700
Wick	29.737
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.884
Loughborough	29.913
Ardrossan	29.905
Donaghadee	29.812
Holyhead	29.845
Liverpool	29.878
Parsonstown	29.894
Valencia	29.850
Roche's Point	29.850
Pembroke	29.875
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.987
LONDON	29.940
Oxford	29.988
Cambridge	29.995
Yarmouth	29.928



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

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

Weather—is shown by letters of the Beaufort Scale.

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

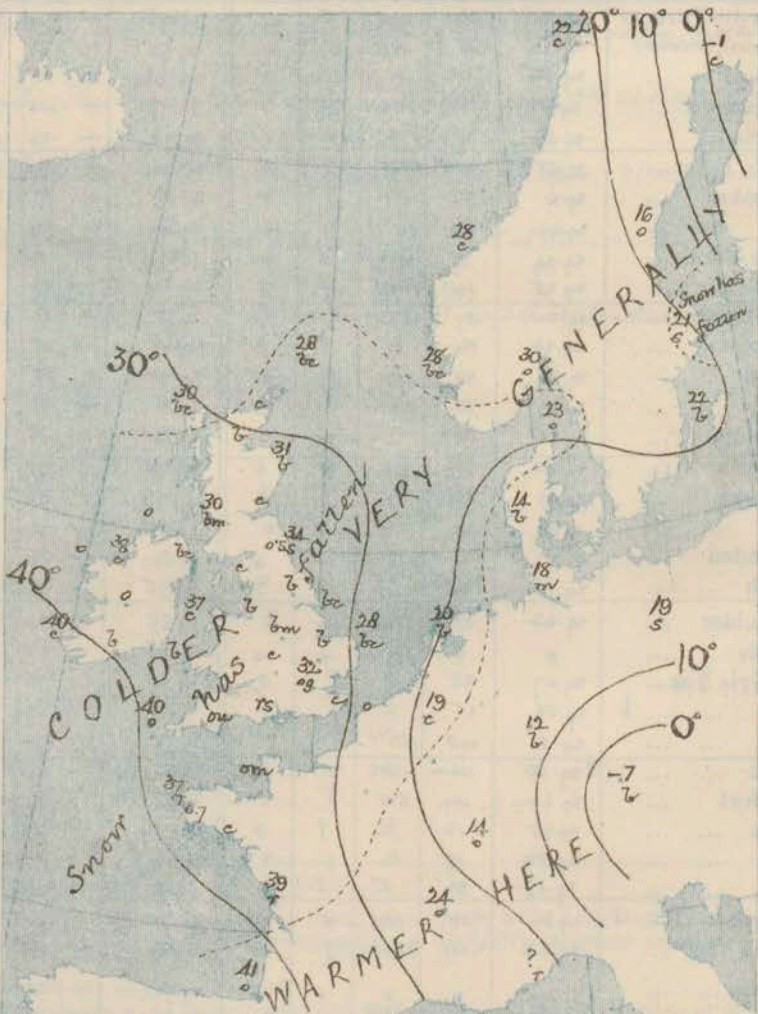
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of February.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	At 8 a.m.	At 8 a.m.	
			Dry.	Wet.	
Sumburgh Head	42.0	34.7	38.7	37.7	3.20
Stornoway	43.5	34.7	39.8	38.2	3.87
Wick	45.4	33.6	38.4	37.0	2.02
Nairn	45.4	33.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	46.0	34.7	39.2	37.7	1.58
Shields	44.3	35.7	39.2	37.9	1.38
York	45.3	34.3	39.2	37.1	1.48
Loughborough	46.0	34.5	39.4	37.8	2.00
Ardrossan	45.0	36.2	40.0	38.6	2.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.00
Liverpool	45.3	36.9	39.9	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	3.29
Roche's Point	48.9	40.0	43.6	42.2	4.88
Pembroke	46.2	40.3	43.1	41.9	3.20
Scilly	40.7	43.7	45.9	45.0	9.95
Jersey	47.6	40.1	43.2	42.0	2.73
Hurst Castle	46.5	37.9	41.3	40.4	2.63
Dover	45.4	37.4	40.2	39.1	2.12
LONDON	46.9	36.0	39.7	38.6	1.80
Oxford	45.9	35.9	38.8	37.7	2.06
Cambridge	46.4	33.9	38.3	37.3	1.80
Yarmouth	43.5	35.2	38.5	38.3	2.02

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.1 ins. and upwards in an anticyclone lying off our extreme northwest coast; e.g. 9 in. and upwards over North Germany.
Lowest 29.5 ins. and less in a depression lying over the northwest of France.
Gradients rather steep over the south of our Islands, but slight elsewhere. Barometer rising at all but the southern French stations.

TEMPERATURE

Highest 41° at Biarritz and Lisbon, 40° at Valencia and Sicily, and 39° at Belmullet, Jersey and Rochefort.
Lowest -7° at Munich, -1° at Haparanda, +12° at Wiesbaden, 14° at Delfort, 16° at Hermosant, and 19° at Berlin and Brussels.
Sharp frost occurred last night at all but our western stations.

WIND

Light or variable from the N.W. on our northern coast, fresh from the same quarter in Norway.
Strong to a gale from E. or N.E. in the south of our Islands.
S.W. in the south and west of France; moderate from S.E. in the east of that country, variable in Germany.
Strong N.W. gales were experienced yesterday on all our western coast, and a fresh S.E. gale in the East of England.

WEATHER

Dull over the Channel and France with sleet at Hurst Castle, and rain at Brest, Rochefort and Nice.
Fair in most other localities, but snow falling at Shields, Stockholm and Berlin.
Snow fell yesterday in nearly all parts of the United Kingdom.

SEA

High at the mouth of the Channel, and rough or rather so on all our south and southeast coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The deep depression noticed off our northeast coast yesterday morning has travelled steadily southwards, and now lies over the northwest of France. In its rear a brisk rise of the barometer has taken place over our Islands, but in the south of France the mercury is still falling decidedly.

There are at present no definite indications of the advance of any fresh depression, but the barometric rise appears to be slackening in the North, while the wind there is inclined to back. Conditions are therefore still unsettled.

FORECASTS

For the 24 hours ending at NOON on 2nd February 1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	N ^{ly} to NW ^{ly} winds; fair to unsettled and some snow
1	SCOTLAND EAST	.....D.....D.....D.....
2	ENGLAND N.E.	NE ^{ly} to N ^{ly} winds, moderate; fair generally, but some snow showers
3	ENGLAND EAST	Same as N ^o 5.
4	MIDLAND COUNTIES	Same as N ^o 5.
5	ENGLAND SOUTH	E ^{ly} and NE ^{ly} winds, moderating; fair generally, but possibly some snow showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NE ^{ly} winds, light or moderate; fair generally.
7	ENGLAND N.W.	.....D.....D.....D.....
8	ENGLAND S.W.	NE ^{ly} winds, moderating gradually; fair generally.
9	IRELAND NORTH	NE ^{ly} to N ^{ly} winds, moderate or fresh; fair generally.
10	IRELAND SOUTH	.....D.....D.....D.....

WARNINGS

The NORTH CONE has been lowered this morning in all districts excepting 3, 5 and 8.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.64	37	35	SE	5	0	4	Holyhead ...	29.25	39	37	N	6	cpq	6
Sumburgh Head ...	29.73	34	32	NNE	6	0	6	Valencia ...	29.75	44	39	N	6	bepw	6
Stornoway ...	29.79	32	32	N	9	5	7	Scilly ...	29.51	44	41	NNW	8	og	6
Aberdeen ...	29.46	41	39	ENE	3	bc	4	Dungeness ...	29.27	39	38	SW	6	r	6
Shields ...	29.24	36	36	E	2	r	3	London ...	29.27	41	39	SW	3	bc	*
Ardrossan ...	29.40	39	37	NNE	4	c	3	Yarmouth ...	29.31	38	38	S	6	spq	5
Malin Head ...	29.50	40	38	N	8	0	6	Jersey ...	29.42	44	40	NW	4	c	4
Mullaghmore ...	29.63	40	37	N	9	cg	6	Rochefort ...	29.78	39	38	SW	7	o	2
Belmullet ...	29.78	38	37	N	9	chpq	*								

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

The continental information for to day will appear to morrow.

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 26th February 1888.

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

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

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Inference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ..	29.62	-13	Z	0	b	29.61	+0.07	-24	-24	-23	Z	0	0	*	9	?	Ins.		
Hernösand ...	29.76	6	Z	0	b	29.73	+0.06	-2	-2	-18	Z	0	0	*	25	?	-		
Stockholm ...	29.74	16	N	2	b	29.82	+0.08	2	2	-19	Z	0	0	*	25	?	0.04		
Wisby ...	29.71	28	NW	6	s	29.77	-0.01	25	23	+3	Z	6	0	*	30	19	0.04		
Bodö ...	29.66	21	NW	2	s	29.15	-0.40	23	21	+1	E	6	0	3	25	19	-		
Christiansund...	29.77	29	SW	6	0	29.46	-0.36	37	34	+3	SW	8	0	5	37	25	0.24		
Skudesnaes ...	29.92	30	N	2	0	29.87	+0.07	30	29	+2	SE	4	0	4	32	28	-		
Christiania Fjord (Fæder)	29.88	27	SW	3	b	29.84	+0.12	26	25	-1	W	2	0	1	30	19	-		
Skagen (The Scaw)	29.86	27	NE	1	b	29.88	+0.13	19	18	-1	Z	0	0	1	30	18	0.16		
Fanö ...	29.88	26	NW	4	b	29.95	+0.05	23	22	+1	Z	0	0	*	32	14	-		
Sumburgh Head	29.94	33	W	1	S	29.94	-0.37	41	40	+13	WSW	4	0	4	41	27	0.07		
Stornoway ...	30.03	33	W	4	S	29.68	-0.41	43	43	+13	SW	6	0	4	43	28	0.05		
Wick ...	30.03	31	NW	2	0	29.70	-0.37	37	36	+1	SSW	4	0	2	37	26	-		
Nairn ...	30.05	30	W	1	bc	29.79	-0.28	37	37	+7	WSW	3	0	2	37	28	-		
Aberdeen...	30.07	31	NW	2	0	29.86	-0.18	32	30	+1	WSW	2	0	2	34	28	-		
Leith ...	30.09	34	N	1	c	29.95	-0.08	35	33	+2	W	1	cw	*	40	30	-		
Shields ...	30.07	34	NW	2	b	30.00	+0.08	32	31	-1	WSW	2	0	3	40	28	0.09		
Spurn Head ...	30.01	34	Z	0	bc	30.06	+0.18	33	32	-1	WSW	3	0	3	35	31	-		
York ...	30.06	35	N	1	0	30.06	+0.14	33	32	+1	S	1	0	*	46	28	0.16		
Loughborough	30.08	29	Z	0	b	30.12	+0.23	28	27	-1	ESE	1	0	*	37	22	-		
ARDROSSAN ISLANDS.																			
Ardrossan ...	30.10	33	S	1	of	29.97	-0.08	39	38	+1	WSW	4	0	3	39	29	-		
Malin Head ...	30.14	38	NW	4	0	30.04	+0.01	38	37	0	SSW	5	0	3	41	34	0.03		
Mullaghmore ...	30.16	38	N	2	c	30.04	-0.07	43	43	+4	W	6	0	*	43	36	0.12		
Belmullet ...	30.12	36	W	5	c	30.05	+0.03	35	33	-2	W	4	0	2	38	32	-		
Donaghadee ...	30.09	34	NW	2	bc	30.06	+0.13	36	34	+2	NW	3	0	*	41	32	-		
Barrow-in-Farness	30.09	35	NW	1	bc	30.09	+0.16	35	33	+2	WSW	2	0	3	37	33	-		
Liverpool (Bidston)	30.11	38	NE	3	c	30.11	+0.18	37	35	0	WSW	1	0	2	41	36	-		
Holyhead ...	30.18	36	Z	0	0	30.14	+0.12	33	32	-1	Z	0	0	*	40	30	-		
Parsonstown ...	30.18	39	NNE	2	bc	30.17	+0.14	39	37	-1	ESE	2	0	2	44	33	-		
Valencia ...	30.13	39	NNE	4	bc	30.15	+0.22	33	32	-1	NNE	2	0	3	43	32	-		
Roche's Point...	30.07	36	NE	3	b	30.17	+0.34	37	35	+2	S	2	cgm	1	38	32	-		
Pembroke ...	29.96	40	NE	6	c	30.15	+0.49	34	32	-2	ESE	2	0	3	41	32	-		
Scilly ...	30.01	32	NE	7	bc	30.19	+0.52	28	26	-2	N	3	0	3	37	23	-		
Prawle Point ...	29.89	37	ESE	5	0	30.15	+0.61	33	30	-3	NE	3	0	3	40	32	-		
Jersey ...	29.99	31	ESE	6	bm	30.16	+0.48	24	24	-1	NNE	2	0	1	37	20	-		
Hurst Castle ...	29.92	32	E	6	bc	30.13	+0.48	22	22	-1	NE	3	0	2	35	21	-		
Dungeness ...	30.03	29	NE	4	bm	30.16	+0.41	20	18	-2	SW	1	0	*	33	20	-		
London ...	30.10	25	NE	3	b	30.18	+0.37	21	20	-1	W	1	0	*	32	19	-		
Oxford ...	30.05	24	N	1	b	30.14	+0.29	23	22	-1	SW	1	0	*	32	16	-		
Cambridge ...	30.02	31	ESE	3	bc	30.10	+0.27	25	25	-1	NW	3	0	4	31	20	-		
Yarmouth ...	30.04	24	WSW	1	0	30.01	+0.05	29	29	+1	W	4	0	*	?	?	-		
Cuxhaven ...	29.99	20	NW	2	b	30.01	+0.16	19	19	0	NW	3	0	*	25	14	0.04		
Berlin ...	*	*	*	*	*	30.16	+0.34	7	7	-1	E	2	0	*	28	7	-		
Wiesbaden ...	29.91	11	E	2	b	30.04	+0.29	12	12	+1	NE	3	0	*	14	?	0.04		
Munich ...	30.06	20	E	1	b	30.06	+0.18	31	30	+1	WSW	3	0	2	32	18	-		
The Helder ...	*	*	*	*	*	30.17	+0.44	12	12	-1	Z	0	0	*	24	10	-		
Brussels ...	29.92	19	E	5	b	30.13	+0.48	21	21	-1	ESE	3	0	2	27	16	-		
Cape Gris Nez...	29.87	26	NE	3	0	30.11	+0.57	14	14	-1	N	3	0	*	30	11	0.04		
Paris ...	29.88	34	NNE	5	0	30.12	+0.71	31	28	-3	NE	4	0	5	?	28	0.12		
Brest ...	29.81	36	NE	7	0	30.06	+0.63	30	28	-2	ESE	5	0	4	43	28	-		
Lorient ...	29.74	40	ESE	5	0	30.01	+0.48	33	31	-2	ESE	7	0	2	45	27	-		
Rochefort ...	29.85	21	NE	3	S	30.03	+0.31	17	16	+1	NE	1	0	*	21	12	0.04		
Belfort ...	29.83	33	ESE	1	S	30.02	+0.34	29	29	+1	NW	1	0	*	37	?	0.24		
Lyons ...	29.80	41	S	1	c	29.97	+0.22	39	36	+3	E	1	0	*	?	?	-		
Nice ...	29.73	37	N	3	b	29.89	+0.24	28	28	+1	N	1	0	*	43	?	-		
Perpignan ...	29.68	44	S	5	0	29.88	+0.29	36	34	-2	E	4	0	2	46	34	-		
Biarritz ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-		
Oorunna ...	29.76	44	N	3	r	29.74	-0.15	37	36	-1	N	5	0	5	52	36	0.63		
Lisbon ...																			

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

WEATHER CHARTS

for 8 a.m. on

Thursday, 2nd February,

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.

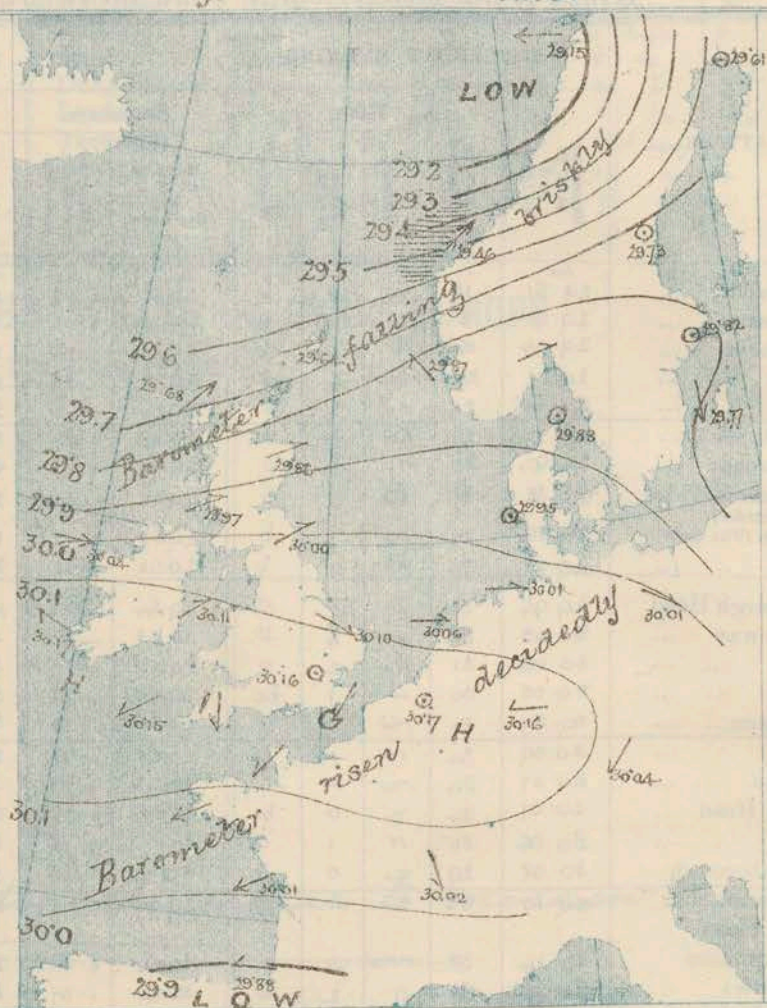
▨ = Rough. ▨ = High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.718
Stornoway	29.700
Wick	29.737
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.906
Donaghadee	29.912
Holyhead	29.948
Liverpool	29.973
Parsonstown	29.934
Valencia	29.950
Roche's Point	29.950
Pembroke	29.975
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.938
Cambridge	29.935
Yarmouth	29.928



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and upwards, in an anticyclonic band extending from our extreme southwest coasts across the south of England and north of Frankfurt in Germany.
Lowest, 29.2 in. and less, in a depression lying off the northwest of Norway.
Gradients slight in the south, but increasing in the north. Barometer falling briskly in the extreme north.

TEMPERATURE

Highest, 43° at Bornoway and Helmslet, 41° at Sunbury Head, 39° at Anderson and Valencia, and 38° at Mullaghmore.
Lowest, -24° F. at Kapuvanda, -2° at Helsingfors, +2° at Stockholm, 7° at Narvik, 12° at Munich and Brussels, 13° at Lyons and Berlin and 20° in London.
Hard frost occurred over England last night; at Cambridge the thermometer in the screen fell to 16° and at Oxford to 19°.

WIND

Calm in Sweden; light NE² at the Channel stations, fresh E² in the west of France.
SW² or W² elsewhere, strong in force on our extreme northwest coasts.

WEATHER

Fair in France, the south of Scandinavia, the east and south of our islands and the north of France.
Cloudy elsewhere, with rain in the north of Ireland, and snow in Norway and North Germany, as well as at Lyons.
Snow-fell last evening in the extreme north of Scotland.

SEA

Rather rough at Christiansund, moderate on our extreme northern coasts generally, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which had reached the north-west of France yesterday has now disappeared over Spain and the barometer has risen at all our more southern stations. In the north, however, the mercury is again falling briskly, and while the centre of a new and rather deep disturbance is shown off the northwest of Norway, a secondary depression is apparently advancing towards the Scotch coasts.

The last mentioned disturbance is likely to move eastwards or southeastwards, and to occasion a considerable increase of wind on our north and northwest coasts generally, with snow in many places. Over England a temporary change to milder weather is probable.

FORECASTS

for the 24 hours ending at NOON on 13th February. 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW ² to W ² or NW ² strong winds and gales; unsettled, some snow.	6 SCOTLAND WEST	SW ² to NW ² winds, increasing to a gale; dull, some snow.
1 SCOTLAND EAST	SW ² to W ² winds, increasing in force; fair to unsettled, and some snow.	7 ENGLAND N. W.	Same as N° 1.
2 ENGLAND N. E.	Do Do Do	8 ENGLAND S. W.	NE ² and N ² winds, moderate; fair generally.
3 ENGLAND EAST	Same as N° 5.	9 IRELAND NORTH	Same as N° 6.
4 MIDLAND COUNTIES	Same as N° 5.	10 IRELAND SOUTH	Same as N° 8.
5 ENGLAND SOUTH	W ² winds, moderate; fair and milder at first, less settled later, probably some snow.	WARNINGS	

The north cone was hoisted last evening in districts 0, 6, 9 and part of 1.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnes	29.88	31	27	NW 4	0	3	Holyhead	30.05	40	38	NW 4	0	4
Sumburgh Head	30.00	32	30	2 0	0	2	Valencia	30.13	43	39	NW 3	bcw	3
Stornoway	30.08	34	32	W 3	0	3	Silly	29.88	40	36	ESE 7	0	6
Aberdeen	30.01	34	33	NW 2	0	2	Dungeness	29.82	38	33	E 6	0	5
Shields	30.02	39	36	NW 3	0	5	London	29.92	32	32	N 4	0	*
Ardrossan	30.08	35	32	2 0	0	0	Yarmouth	29.94	31	30	ESE 5	bc	5
Malin Head	30.00	36	35	N 3	0	3	Jersey	29.77	36	34	ESE 5	0	4
Mullaghmore	30.12	40	36	NE 2	0	3	Rochefort	29.63	41	40	S 4	0	2
Belmullet	30.15	39	36	NE 3	0	*							

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

The reports for yesterday morning showed that the distribution of pressure over Europe was somewhat complicated. An anticyclone (with readings above 30.3 ins.) lay over Central Russia, and a second high pressure system (with readings above 30.1 ins.) to the northward of the British Islands, while a small area of relatively high readings, 29.9 ins. and upwards, existed over the south of Denmark. Over the northwest of France and Eastern Austria, however, well defined depressions were shown, while over the north of Scandinavia a third disturbance existed, the barometric readings in all three systems being below 29.5 ins. With these conditions the wind varied greatly in different localities. In the north of our Islands it was moderate from the N^W, and in the south strong from NE., while in the south of France it was chiefly SW^W, and over Central France SE^W. Over Eastern Europe a similar cyclonic circulation was shown round the Austrian depression, but in this case the winds were of little strength. In the extreme north of Europe the winds were chiefly SW^W. The weather was fair over the greater part of Northwestern Europe, but dull and unsettled elsewhere, with rain in many parts of France and snow at some of the German and Austrian stations. Temperature had risen somewhat in Spain and the south of France and the greater part of Russia, but fallen elsewhere; readings ranged from 45° and upwards in the extreme south to 10° or less over the northern parts of Scandinavia, Russia and Germany. The highest individual readings were 54° at Madrid, 46° at Paris and Palermo, and 45° at Algiers, Genoa and Oporto; the lowest were -1° F. at Haparanda and Moscow, +3° at Cassel, 5° at Carlsruhe and St. Petersburg, 8° at Munster, and 10° at Helsingfors and Archangel.

General Remarks on the Weather for 24 hours ended at 8 a.m. Feby 1st

The Continental Reports for Tuesday morning showed that pressure was highest, 30.1 ins. and upwards, in a large anticyclone lying over Central Russia. The lowest readings, 29.2 ins. and less, were found in a deep depression the centre of which was lying off the northeast coasts of our Islands, but another depression, with readings below 29.3 ins. existed over the north of Scandinavia, while a third disturbance, with readings below 29.5 ins., was shown over Italy. Strong winds or gales from the NW^W prevailed in the west and north of our Islands, and fresh SW^W breezes in the south, but on the Eastern shores of the North Sea the wind drew into SE. Over Northern Europe the wind was chiefly SW^W, but in the more Central countries it was rather variable, while in the extreme south it varied between NE. and NW. The weather was fine in Spain, Algeria, and the south of France, but dull elsewhere, with rain sleet or hail over NW^W Europe generally, and a thunderstorm at Rome. Temperature had risen a few degrees over England and the Eastern shores of the North Sea, and rapidly over Northern Russia, but fallen elsewhere; readings ranged from 50° and upwards over South Italy and some parts of Algeria to 10° or more below zero over Russia. The highest individual readings were 59° at Palermo, 57° at Malta, 54° at Naples, 50° at Tunis and Tiflis, and 48° at Brest; the lowest were -17° F. at Archangel, -5° at St. Petersburg, -3° at Moscow, +1° at Munster, 2° at Kiofis and Kiev, 3° at Besancon, Tallinn. In the course of the day the depression off our NE. coasts moved steadily southwards, and the wind increased to a gale over the greater part of the United Kingdom with snow 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. 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 3rd February

1888.

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

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

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Inch.	°				Inch.	Inch.	°	°	°					°	°	Inch.	
Haparanda ..	29.38	3	S	4	S	29.17	- .44	21	21	+ .45	S	2	C	*	?	-26	0.12	
Hernösand ...	29.45	10	SSW	2	b	29.26	- .47	12	12	+ .14	S	2	C	*	19	-6	-	
Stockholm ...	29.67	18	SW	2	o	29.52	- .30	27	26	+ .25	S	2	O	*	?	1	-	
Wisby ...	29.83	24	NW	4	b	29.67	- .10	31	29	+ .6	W	4	O	*	41	23	-	
Bodö ...	29.06	34	W	8	S	28.52	- .63	32	31	+ .9	ENE	2	S	1	34	19	-	
Christiansund...	29.33	37	SW	4	o	29.19	- .27	36	35	- .1	WSW	8	T	5	39	34	0.20	
Skudesnes ...	29.58	36	SSE	6	o	29.47	- .40	35	35	+ .5	Z	0	T	3	36	30	-	
Christiania Fjord (Fjorder)	29.64	30	WSW	5	bc	29.37	- .47	34	33	+ .8	S	3	T	4	?	25	-	
Skagen (The Sound)																		
Fanö ...	29.84	32	WSW	2	c	29.60	- .35	36	36	+ .13	WSW	5	C	*	36	23	-	
BRITISH ISLANDS.																		
Sumburgh Head	? 29.23	43	W	4	T	29.54	- .10	41	41	0	W	3	T	4	43	37	0.43	
Stornoway ...	? 29.41	43	W	6	o	29.71	+ .03	44	44	+ .1	SW	4	O	3	43	38	0.29	
Wick ...	29.52	40	NW	5	b	29.67	- .03	42	42	+ .5	SW	1	O	1	43	36	0.20	
Nairn ...	29.58	45	SW	2	o	29.73	- .06	44	42	+ .7	WSW	3	bc	2	47	36	0.02	
Aberdeen...	29.56	38	SW	4	C	29.77	- .09	41	38	+ .9	WNW	2	C	2	41	31	0.11	
Leith ...	29.66	37	W	4	C	29.85	- .10	42	41	+ .7	W	1	cm	*	45	35	0.01	
Shields ...	29.80	38	SW	3	o	29.87	- .13	40	39	+ .8	WSW	2	O	2	42	31	0.03	
Spurn Head ...	29.95	35	SW	4	o	29.93	- .13	38	38	+ .5	WSW	2	cm	3	38	32	-	
York ...	29.94	34	WSW	2	S	29.93	- .13	38	37	+ .5	W	1	b	*	40	33	0.07	
Loughborough	30.03	33	SSW	4	S	29.96	- .16	41	40	+ .13	W	2	O	*	41	28	0.08	
GERMANY.																		
Ardrossan ...	29.71	45	SW	5	o	29.92	- .05	44	43	+ .5	Z	0	O	1	45	38	0.24	
Malin Head ...	29.77	46	W	4	o	29.90	- .08	43	43	+ .9	S	1	odf	2	47	39	0.19	
Mullaghmore ...	29.88	47	WSW	6	od	29.96	- .08	47	47	+ .9	WSW	5	om	4	47	37	0.38	
Belmullet ...	29.94	48	W	5	om	29.98	- .06	48	48	+ .5	W	3	O	*	48	43	0.33	
Donaghadee ...	29.84	43	WSW	5	C	29.97	- .08	43	42	+ .8	WSW	3	C	2	44	34	0.01	
Barrow-in-Farness	29.91	39	SSW	5	T	29.95	- .11	42	42	+ .6	NW	2	O	*	44	36	0.24	
Liverpool (Bidston)	29.97	36	WSW	2	o	29.98	- .11	42	41	+ .7	W	4	O	3	44	35	0.08	
Holyhead ...	29.99	39	SW	5	rm	30.01	- .10	45	45	+ .8	WSW	3	3m	3	46	37	0.19	
Parsonstown ...	30.02	42	WSW	3	T	30.05	- .09	46	45	+ .13	Z	0	O	*	46	32	0.18	
Valencia ...	30.12	46	WSW	2	rm	30.13	- .04	49	48	+ .10	WSW	2	of	2	49	39	0.14	
Roche's Point...	30.11	42	WSW	2	C	30.12	- .03	44	43	+ .11	W	2	C	3	44	33	0.10	
Pembroke ...	30.11	39	WSW	4	T	30.09	- .08	45	45	+ .8	W	3	cp	3	45	37	0.16	
Scilly ...	30.16	39	SW	2	o	30.17	+ .02	47	47	+ .13	WNW	4	O	4	47	33	-	
Prawle Point ...	30.18	36	WSW	2	b	30.13	- .06	44	43	+ .16	W	4	m	3	45	28	0.04	
Jersey ...	30.19	33	NE	2	b	30.20	+ .05	40	37	+ .7	W	3	om	3	40	28	-	
FRANCE & NETHERLANDS.																		
Hurst Castle ...	30.15	35	W	2	bc	30.07	- .09	40	40	+ .16	W	5	omd	2	40	20	0.02	
Dungeness ...	30.12	35	W	3	C	30.03	- .10	39	39	+ .17	W	4	C	3	39	21	0.07	
London ...	30.13	33	W	2	o	30.03	- .13	37	36	+ .17	SW	1	O	*	37	20	0.04	
Oxford ...	30.11	33	WSW	4	S	30.04	- .14	39	39	+ .18	WSW	3	om	*	39	21	0.01	
Cambridge ...	30.07	33	S	1	o	29.99	- .15	38	37	+ .15	SW	1	O	*	38	21	0.06	
Yarmouth ...	30.05	32	WSW	3	C	29.93	- .17	35	33	+ .10	W	2	cf	4	35	24	0.01	
Cuxhaven ...	30.04	30	SW	4	S	29.84	- .17	30	29	+ .1	WSW	6	O	*	30	28	-	
Berlin ...	30.06	25	W	2	o	29.97	- .04	24	23	+ .5	SW	3	O	*	27	?	-	
Wiesbaden ...	*	*	*	*	*	30.18	+ .02	11	11	+ .4	NE	1	O	*	23	7	-	
Munich ...	30.13	11	NE	1	b	30.14	+ .10	10	10	- .2	SW	4	bc	*	23	5	-	
PENIN. SULA.																		
The Helder ...	30.02	35	SW	4	o	29.88	- .18	36	36	+ .5	WSW	3	S	3	36	?	0.04	
Brussels ...	*	*	*	*	*	30.08	- .09	24	24	+ .12	SW	7	S	*	26	22	0.04	
Cape Gris Nez...	30.14	30	SW	3	C	30.06	- .07	39	39	+ .18	W	7	T	5	?	21	0.12	
Paris ...	30.19	16	NE	1	b	30.24	+ .13	11	11	- .3	SW	1	m	*	25	5	-	
Brest ...	30.15	33	E	4	b	30.20	+ .08	37	34	+ .6	Z	0	O	3	?	?	-	
Lorient ...	30.14	34	ENE	3	b	30.27	+ .21	32	30	+ .2	Z	0	C	2	39	23	-	
Rocheport ...	30.17	33	NE	7	o	30.26	+ .25	28	27	- .5	NE	4	b	2	36	23	-	
Belfort ...	30.12	19	NE	1	b	30.17	+ .14	25	?	+ .8	W	1	b	*	27	5	-	
Lyons ...	30.16	28	ENE	1	C	30.28	+ .26	22	21	- .7	N	1	p	*	32	20	-	
Nice ...	30.04	40	NW	1	o	30.12	+ .15	37	35	- .2	ENE	3	b	2	45	32	-	
Perpignan ...	30.03	43	N	3	o	30.18	+ .29	32	?	+ .4	N	3	b	*	50	?	-	
Biarritz ...	29.99	42	ENE	4	b	30.18	+ .30	36	33	0	SE	4	m	2	50	30	-	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	
Lisbon ...	29.75	41	N	8	o	29.92	+ .18	39	38	+ .2	NNE	8	L	4	46	?	0.12	

For Explanation of Columns, see p. 4.

† Received too late to be used in drawing up the Remarks

WEATHER CHARTS

for 8 a.m. on Friday, 3rd February, 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 —
 * — force above 10; * — forces 6 to 10;
 — — forces 5 to 7; — — forces 1 to 4;
 ○ — dead calm.

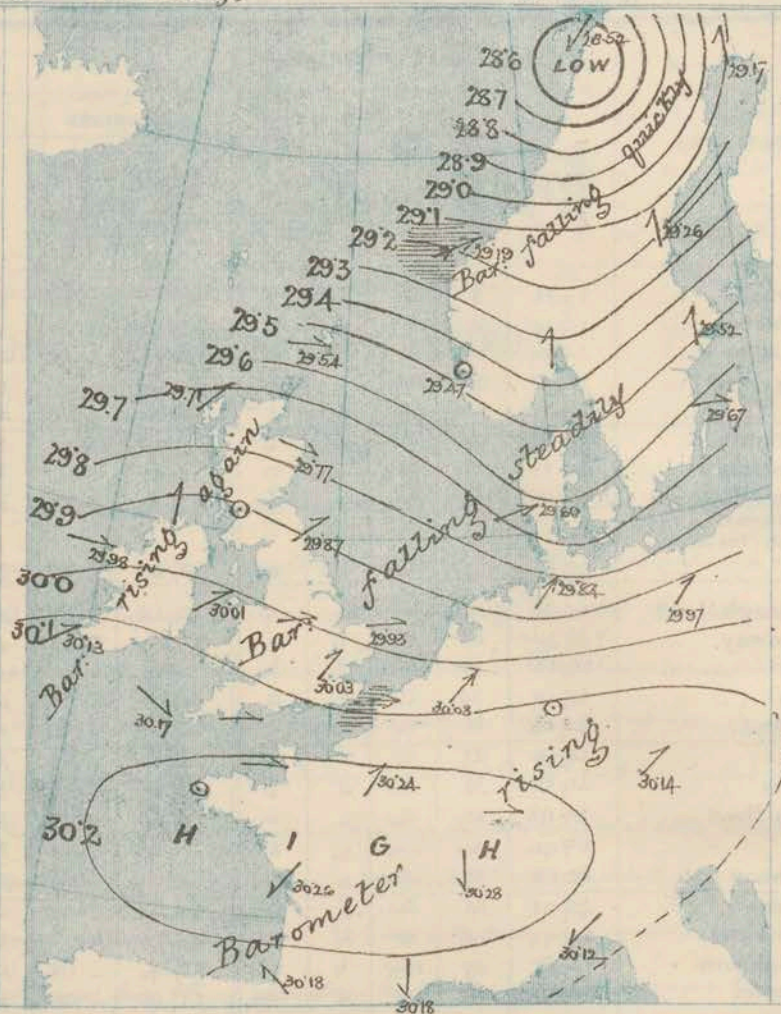
Sea Disturbance — where considerable is shown thus.

— Rough. — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.712
Stornoway	29.700
Wick	29.737
Nairn	29.747
Aberdeen	29.730
Leith	29.803
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.805
Donaghadee	29.812
Holyhead	29.848
Liverpool	29.878
Parsonstown	29.884
Valencia	29.850
Roche's Point	29.850
Pembroke	29.875
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.938
Cambridge	29.935
Yarmouth	29.928



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

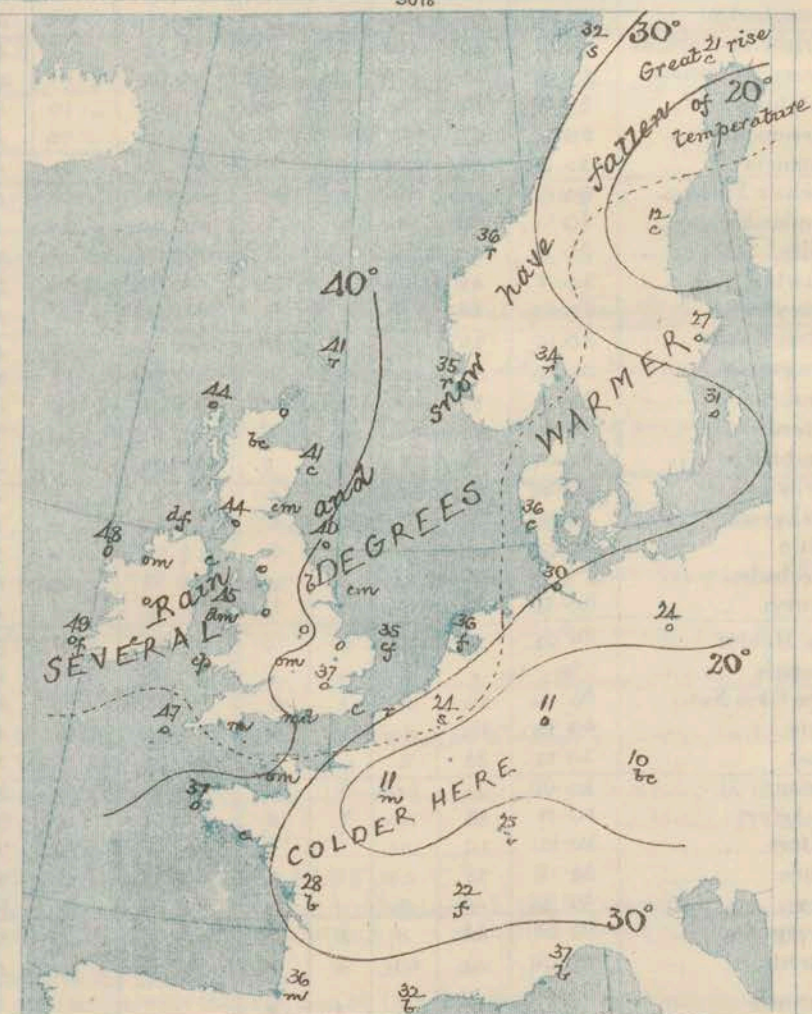
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of February.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	42.5	34.7	38.7	37.7	3.29
Stornoway	43.5	34.7	39.8	38.2	3.97
Wick	43.4	33.5	38.4	37.0	2.02
Nairn	43.4	33.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	40.6	34.7	39.2	37.7	1.58
Shields	44.3	35.7	39.2	37.9	1.63
York	45.8	34.2	38.2	37.1	1.88
Loughborough	45.0	34.5	38.4	37.3	2.00
Ardrossan	45.0	36.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.90
Liverpool	45.2	36.9	39.9	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	5.29
Roche's Point	48.9	40.0	43.6	42.2	4.86
Pembroke	46.2	40.3	43.1	41.9	3.20
Scilly	49.7	43.7	46.9	45.3	2.98
Jersey	47.6	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.63
Dover	45.4	37.4	40.3	39.1	2.12
LONDON	46.9	36.0	39.7	38.6	1.89
Oxford	45.9	35.9	38.8	37.7	2.06
Cambridge	46.4	33.9	39.3	37.3	1.60
Yarmouth	43.5	35.2	38.9	38.2	2.02

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, 30.2 in. and upwards, in an anticyclone lying over France.
Lowest, 28.6 in. and less, in a deep depression having its centre near Bodø.
Gradients steep over the north of Scandinavia, moderate elsewhere. Barometer rising in France, but falling in most other localities.

TEMPERATURE

Highest, 49° at Valencia, 48° at Belmullet, 47° at Mullaghmore and Seilly, and 46° at Pansnatoron.
Lowest, 11° at Paris, 12° at Hunsand, 21° at Haparanda, 22° at Oporto, 24° at Brussels, and 25° at Delft.
Slight frost occurred over England during the early part of last night, and severe frost in France; at Paris the thermometer fell to 5° Fahr.

WIND

Light or moderate from the NEnd in the south of France, strong to a gale from the same quarter at Lisbon.
SW^{ly} or W^{ly} elsewhere, moderate in force generally, but strong to a gale at Christiansund.

WEATHER

Fine in the south of France, but cloudy or overcast elsewhere.
Rain is falling in the Shetlands and west of Norway, and snow at Bodø as well as at Brussels.
Rain fell yesterday in the west and north of our Islands, and snow was experienced over England at night.

SEA

Rather rough at Christiansund and Ofris Vig, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the night a recovery of pressure has taken place on our extreme western and northern coasts, but as the wind there is now backing again it is probable that another depression is advancing from the Atlantic.
Freshening SW^{ly} or S^{ly} winds and unsettled weather are therefore probable in the west and north generally, with a further rise of temperature over England.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	W ^{ly} and SW ^{ly} winds; drizzle, rain at times.
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	W ^{ly} and SW ^{ly} breezes, light; drizzle, damp, rain at times, becoming still milder.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	SW ^{ly} and S ^{ly} winds, freshening; showery, squally, mild.
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		Signals all 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 ...	29.78	35	34	SSW 6	0	4	Holyhead ...	30.06	38	36	SW 4	rm	3
Sumburgh Head ...	29.48	41	41	WSW 4	5	4	Valencia ...	30.13	46	44	SW 3	omd	3
Stornoway ...	29.46	48	48	W 6	5	5	Scilly ...	30.17	43	38	2 0	bc	3
Aberdeen ...	29.69	37	36	WSW 4	5	2	Dungeness ...	30.14	37	36	NW 2	c	2
Shields ...	29.89	38	35	WSW 3	0	3	London ...	30.16	35	31	W 2	om	*
Ardrossan ...	29.82	41	40	SW 6	5	5	Yarmouth ...	30.08	32	31	W 3	cj	4
Malin Head ...	29.76	45	45	SW 5	0	5	Jersey ...	30.17	37	32	ESE 3	b	3
Mullaghmore ...	29.90	44	44	SW 5	5	4	Rochefort ...	30.10	33	32	NE 7	0	2
Belmullet ...	29.94	42	42	W 5	5	6							

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

The reports for yesterday morning showed that pressure was giving way over Russia, the north and west of our Islands and Spain, but increasing decidedly over southeastern and central Europe; and that the 8 a.m. values varied from 30.0 ins. and more over the whole of western and central Europe and the Mediterranean to rather below 29.7 ins. over the southwest of Portugal and to 29.1 ins. in the extreme northwest of Norway. The wind was NW² over the Baltic, W² over Austria, Poland, and Hungary, and NE² over Germany, France and Spain, and was accompanied by very cold weather and in some places snow. Over the western and northern parts of the British Isles, however, and in the west of Norway winds from the SW² had set in, and the thermometer was rising, while anticyclonic air, fog, and hard frost had set in. The morning readings varied from much below 32° (F) over Northern Europe, and several degrees below the freezing point over Central Europe and England to upwards of 40° on our extreme north and northwest coasts and to upwards of 50° in the southeastern parts of the Mediterranean. The lowest individual values were -24° F. at Haparanda, -16° at Uleaborg, -2° at Östersund, +2° at Stockholm, 4° at Archangel, Kuopio and Helsinki, 5° at Riga, 7° at Wiesbaden, 12° at Brussels and Munich, 14° at Paris, 19° at Berlin and 20° in London (the lowest recorded in London this season). The highest were 52° at Malta, 51° at Pescara, 50° at Brindisi, 48° at Algiers, 46° at San Fernando and Barcelona, 43° at Belmullet and Stornoway and 41° at Sumburgh Hd.

Later in the day the SW² winds and mild weather spread southwards and at several of our southern stations wet snow fell. Over Central France, however, the frost hardened as the anticyclonic centre moved in that direction.

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 4th February 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 ..	28.95	20	8	4	S	29.08	-0.09	4	4	+10	S	2	6	*	27	?	0.20	
	Hernösand ...	29.19	15	2	0	b	29.15	-1.1	20	20	+8	2	0	8	*	28	9	-	
	Stockholm ...	29.29	29	S	2	0	28.95	-1.59	30	29	+3	SE	4	8	*	30	16	0.04	
	Wisby ...	29.43	32	SSW	4	S	28.95	-1.72	32	30	+1	SSW	6	8	*	34	27	0.04	
	Bodö ...	28.91	29	NW	4	0	29.13	+6.1	30	28	-2	NW	4	0	2	32	28	-	
	Christiansund...	29.15	31	W	4	S	29.50	+3.1	28	26	+8	W	8	8	6	36	25	-	
	Skudesnaes ...	29.29	42	W	8	r	29.71	+2.4	39	30	-2	W	8	0	5	48	?	-	
	Christiania Fjord (Færd)	29.36	34	W	3	0	29.34	-0.3	32	31	-2	W	6	6	3	34	28	-	
	Skagen (The Scaw)	29.43	35	NW	3	bc	29.34	+0.2	33	31	-1	NW	8	6	6	36	?	-	
	Fanö ...	29.66	36	W	4	r	29.66	+0.6	35	34	-1	NW	6	6	*	39	?	0.16	
BRITISH ISLANDS.	Sumburgh Head	29.38	43	NW	4	r	29.96	+4.2	31	29	-10	N	3	0	4	45	29	0.20	
	Stornoway ...	29.69	47	SW	6	r	29.98	+2.7	41	41	-3	SW	3	0	3	47	37	0.04	
	Wick ...	29.57	46	W	4	0	29.95	+2.8	35	34	-1	SE	1	0	1	47	34	0.03	
	Nairn ...	29.67	47	W	4	c	30.02	+2.9	39	38	-5	W	0	0	1	48	37	-	
	Aberdeen...	29.67	42	W	1	b	30.05	+2.8	38	37	-3	W	1	bc	1	44	37	0.06	
	Leith ...	29.81	44	W	4	c	30.04	+1.9	41	40	-1	SE	1	om	*	48	40	-	
	Shields ...	29.84	46	W	3	bc	30.05	+1.8	43	42	+3	N	2	d	2	48	39	-	
	Spurn Head ...	29.94	41	W	3	m	30.04	+1.1	42	41	+4	W	3	bc	2	44	37	-	
	York ...	29.93	47	W	1	0	30.07	+1.4	45	44	+1	W	1	b	*	48	37	-	
	Loughborough	30.01	44	W	3	c	30.16	+2.0	45	44	+4	W	2	og	*	47	40	-	
GERMANY.	Ardrossan ...	29.91	46	SW	4	c	30.09	+1.7	46	45	+2	W	3	c	2	49	42	0.01	
	Malin Head ...	29.92	46	W	5	od	30.11	+2.1	45	45	+2	W	3	odf	3	47	43	0.11	
	Mullaghmore ...	30.04	47	W	4	om	30.18	+2.2	45	45	-2	W	2	rm	2	47	45	0.03	
	Belmullet ...	30.06	48	W	3	c	30.19	+2.1	45	45	-3	W	2	f	*	50	44	0.05	
	Donaghadee ...	29.98	47	W	3	bc	30.13	+1.6	47	46	+4	W	3	bc	1	50	42	-	
	Barrow-in-Farress	29.98	44	SW	3	0	30.12	+1.7	43	43	+1	W	3	0	*	45	41	0.03	
	Liverpool (Bidston)	30.02	46	W	5	0	30.16	+1.8	44	43	+2	W	6	0	4	47	42	-	
	Holyhead ...	30.04	47	SW	3	c	30.19	+1.8	47	46	+2	W	4	0	4	49	45	0.01	
	Parsonstown ...	30.11	49	W	0	0	30.24	+1.9	46	45	0	W	0	r	*	50	43	0.02	
	Valencia ...	30.18	50	W	2	om	30.29	+1.6	48	48	-1	W	2	om	1	51	47	0.05	
FRANCE & NETHERLANDS.	Roche's Point...	30.15	50	W	3	bc	30.28	+1.6	46	45	+2	W	3	c	3	52	40	-	
	Pembroke ...	30.13	46	W	2	c	30.27	+1.8	46	46	+1	W	2	c	2	47	45	0.02	
	Scilly ...	30.19	47	W	4	om	30.31	+1.4	47	47	0	W	2	c	4	48	45	0.01	
	Prawle Point ...	30.19	44	W	4	bc	30.32	+1.9	45	45	+1	W	2	c	2	49	41	0.03	
	Jersey ...	30.22	46	W	3	om	30.34	+1.4	46	45	+6	W	2	om	2	46	39	0.04	
	Hurst Castle ...	30.13	43	W	2	odp	30.27	+2.0	40	40	0	W	3	om	1	44	38	0.01	
	Dungeness ...	30.05	42	W	2	m	30.15	+1.2	41	41	+2	W	4	0	3	44	38	-	
	London ...	30.00	42	W	1	0	30.19	+1.6	42	41	+5	W	1	og	*	46	36	-	
	Oxford ...	30.11	41	W	3	0	30.21	+1.7	42	41	+3	W	3	0	*	48	39	-	
	Cambridge ...	30.08	42	W	2	bc	30.15	+1.6	46	44	+8	W	2	0	*	48	36	-	
PENINSULA.	Yarmouth ...	29.97	38	W	3	af	30.04	+1.1	42	41	+7	W	4	c	3	42	34	-	
	Cuxhaven ...	29.84	35	W	5	r	29.72	-1.2	40	40	+10	W	6	bc	*	40	?	0.16	
	Berlin ...	29.83	32	W	5	S	29.58	-3.9	36	35	+12	W	5	r	*	36	24	0.24	
	Wiesbaden ...	*	*	*	*	*	30.09	-0.9	34	32	+23	W	2	0	*	34	?	-	
	Munich ...	30.15	29	W	3	0	30.03	-1.1	33	30	+23	W	7	0	*	?	?	-	
	The Helder ...	29.94	37	W	3	b	29.93	+0.5	40	39	+4	W	4	c	3	41	36	-	
	Brussels ...	*	*	*	*	*	30.12	+0.4	37	37	+13	W	2	r	*	38	?	-	
	Cape Gris Nez...	30.06	41	W	3	0	30.10	+0.4	42	42	+3	W	5	0	4	43	39	0.04	
	Paris ...	30.23	32	SSW	3	0	30.29	+0.5	35	34	+24	W	1	m	*	?	?	-	
	Brest ...	30.28	46	W	4	0	30.38	+1.8	45	42	+8	W	3	0	4	52	30	-	

For Explanation of Columns, see p. 4.

† Received too late for insertion in Chart

WEATHER CHARTS

for 8 a.m. on *Saturday, 4th February, 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.

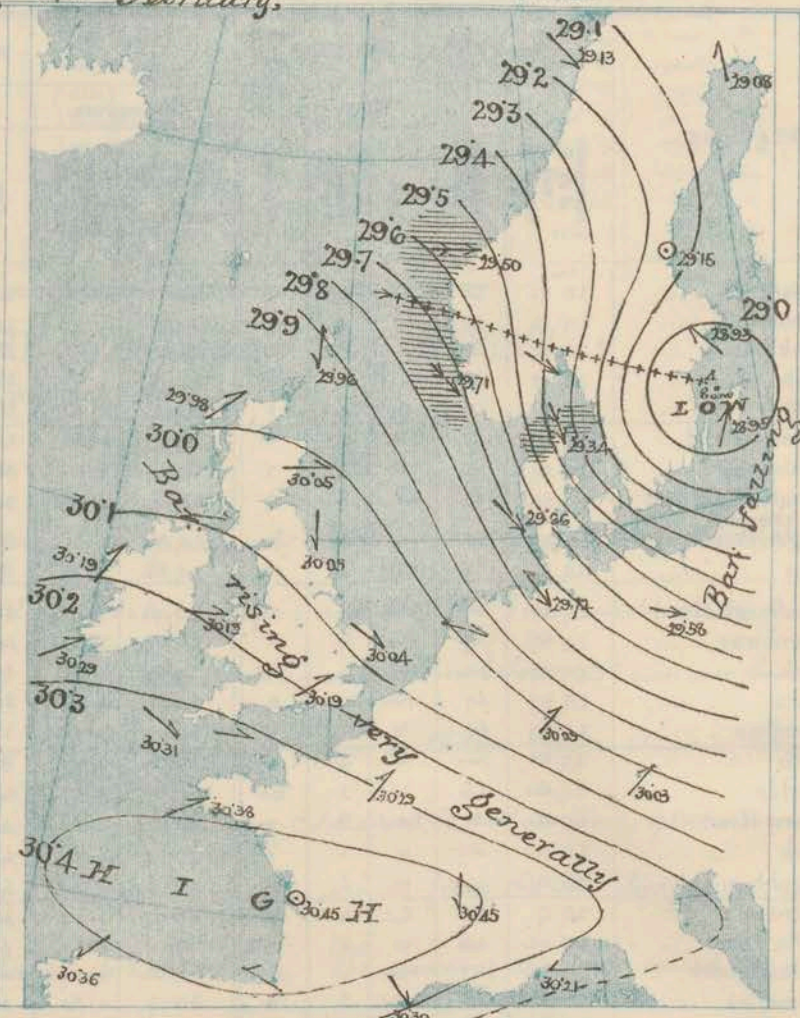
— Rough. — High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.713
Stornoway	29.700
Wick	29.737
Nairn	29.747
Aberdeen	29.780
Leith	29.808
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.905
Donaghadee	29.912
Holyhead	29.848
Liverpool	29.878
Parsonstown	29.884
Valencia	29.850
Roche's Point	29.850
Pembroke	29.875
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.988
Cambridge	29.935
Yarmouth	29.928



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

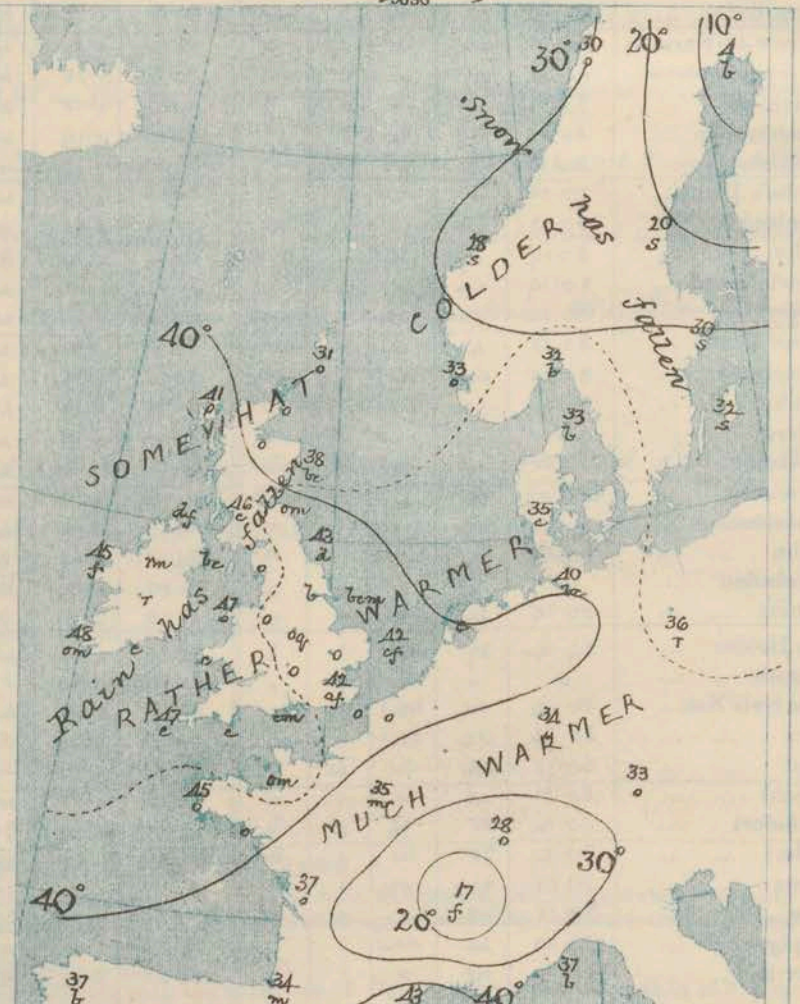
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of February.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.6	34.7	38.7	37.7	3.29
Stornoway	43.5	34.7	39.3	38.2	3.97
Wick	43.4	33.5	38.4	37.0	2.02
Nairn	43.4	33.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	46.6	34.7	39.2	37.7	1.58
Shields	44.3	35.7	39.2	37.9	1.63
York	45.3	34.2	38.2	37.1	1.88
Loughborough	46.0	34.5	38.4	37.3	2.00
Ardrossan	45.0	36.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.90
Liverpool	45.3	36.9	39.9	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	5.29
Roche's Point	48.9	40.0	43.6	42.2	4.86
Pembroke	48.2	40.3	43.1	41.9	3.20
Scilly	49.7	43.7	46.9	45.8	2.98
Jersey	47.6	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.63
Dover	45.4	37.4	40.3	39.1	2.12
LONDON	46.9	36.0	39.7	38.6	1.89
Oxford	45.9	35.9	38.8	37.7	2.06
Cambridge	46.4	33.9	38.3	37.3	1.60
Yarmouth	43.5	35.2	38.9	38.2	2.02

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 ins: and more, over the Bay of Biscay and western parts of France, and 30.2 ins: to 30.3 ins: over the SW part of the British Islands.
 Lowest, 29.0 ins: and less, in a depression lying over Gotthard and the south-east of Sweden, and about 29.95 ins: in the north of Scotland.
 Gradients, slight, for W winds over the British Islands, — steep for NW winds in Denmark and Norway.
 Barometer rising over Norway, the United Kingdom, France and Spain, falling over the Baltic.

TEMPERATURE

Highest, 48° at Valencia, 47° at Sicily, Holyhead and Donaghadee, 46° at Rembert, Kichenbint, Androsan and Cambridge.
 Lowest, 4° at Haparanda, 20° at Helsingfors, 28° at Christiania, 30° at Bodø and Stockholm.
 The rise of temperature noticed over England yesterday has now reached Germany and the north of France.

WIND

Variable from the Wnd, and light to moderate in force, over the British Isles and north of France.
 NW, strong to a gale in Norway, Denmark, and Holstein.
 SW and W over Germany, variable E in the south of France.
 A N gale is reported at Lisbon.

WEATHER

Cloudy and misty in the British Isles and France, with slight rain in places.
 Very unsettled to eastward of North Sea, with snow in many places.
 Fine and bright over Portugal and the northwest of Spain.

SEA

Very little disturbed.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

1. The depression near Wierby, was very shallow at first, but has grown deep in the night during its passage eastwards across Scandinavia; it will probably now move south-eastwards to Germany.
2. There is no indication of any immediate change of weather in our Islands.

FORECASTS

for the 24 hours ending at NOON on 5th FEB^y 1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	Variable W nd (NW to SW) breezes, light to moderate; some showers but fair as a whole.
1	SCOTLAND EAST	Variable airs, mainly from the W nd ; fair, misty at times, mild.
2	ENGLAND N.E.	----- D° ----- D° ----- D° -----
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	Same as N° 5.
5	ENGLAND SOUTH	Light variable W nd breezes; fair, mild, damp mist or fog at times.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as N° 0.
7	ENGLAND N.W.	W nd and SW nd breezes, moderate; some slight misty showers, but fair as a whole. Mild.
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.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.54	41	39	NW 1	0	3	Holyhead ...	30.04	47	46	W 3	cm	2
Sumburgh Head ...	29.42	44	44	W 5	7	5	Valencia ...	30.15	51	50	WSW 3	0	4
Stornoway ...	29.61	47	46	SW 6	0	4	Scilly ...	30.18	48	47	W 5	0	4
Aberdeen ...	29.72	43	41	WSW 2	C	1	Dungeness ...	30.04	43	42	W 3	m	2
Shields ...	29.85	46	43	SW 3	60	2	London ...	30.06	46	46	SW 2	om	*
Ardrossan ...	29.89	46	45	SSW 3	0	3	Yarmouth ...	29.95	38	37	W 3	cf	3
Malin Head ...	29.89	46	46	W 4	0	3	Jersey ...	30.20	43	42	W 3	m	3
Mullaghmore ...	29.99	47	46	WSW 4	om p	3	Rochefort ...	30.32	37	36	fine 1	bc	2
Belmullet ...	30.22	50	49	WNW 4	0 g	*							

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

The reports for yesterday morning showed that a long band of high pressure, in which readings were above 30.1 in., extended eastwards from the Bay of Biscay across France and Germany to the Black Sea, while a deep depression, in which readings were below 28.6 in., lay over the Norway, and a well defined secondary disturbance off the south of that country. In addition to these, a shallow area of low pressure, (29.9 in. and less) was found over the Straits of Gibraltar. Moderate or fresh breezes from SW. or W. prevailed in all the more northern countries, but in France, Spain, and the north of Italy the wind was chiefly NE³, while in the north of Algeria it was S⁴. The weather was fine over the south of France and also over Eastern Europe, but cloudy or overcast elsewhere, with rain on the eastern shores of the Baltic and North Sea, as well as at some of the Spanish and Algerian stations, and snow at Bodö, Lwinamundo, and Khamsel. Temperature had fallen in Russia and also over the greater part of France, but risen elsewhere — several degrees over England; readings ranged from 50° at several of the Algerian and Spanish stations to 15° or less over Central France, to 5° or less over Southern Austria, and to a few degrees ^{below zero} over Finland. The highest individual readings were 56° at Malta, 54° at Sfax, 52° at San Fernando, 51° at Palma and Algiers, and 49° at Khindiri; the lowest were -5° F. at Kuspio, -4° at Archangel, -2° at Hermantodt, +3° at Haparanda, 4° at St Petersburg, 8° at Buda Pesth, 10° at Charleston and 11° at Paris.

In the course of the day the depression over Norway travelled away to the eastward and the barometer rose generally. Mild W. breezes continued to prevail over our Islands, with a damp air, but very little rain.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Sunday 5th FEBRUARY 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.		
		In.	°				In.	In.	°	°	°					°	°	In.	
SCANDINAVIA.																			
Haparanda ..		29.43	-3	Z	0	0	29.61	+ .53	0	0	- 4	N	2	30	*	23	0	—	
Hernösand ...		29.55	22	N	4	0	29.75	+ .60	17	15	- 3	NE	2	0	*	27	14	—	
Stockholm ...		29.43	26	N	9	5	29.69	+ .76	16	15	- 14	Z	0	0	*	32	?	?	
Wisby ...		29.23	33	N	8	5	29.69	+ .74	27	26	- 5	N	6	0	*	24	21	0.24	
Bodö ...		29.60	25	NW	6	5	29.60	+ .47	25	24	- 5	NW	4	5	2	30	23	—	
Christiansund...		29.88	25	N	4	C	29.71	+ .21	26	25	- 2	ESE	3	0	5	28	23	0.62	
Skudesnaes ...		29.98	30	NNW	3	0	29.65	- .06	33	32	0	SE	6	5	4	41	30	—	
Christiania Fjord (Fjærd)		29.81	29	NW	4	0	29.84	+ .50	27	24	- 5	Z	0	0	1	32	23	—	
Skagen (The Seaw)		29.84	32	N	6	0	29.85	+ .51	28	28	- 5	E	1	0	2	24	28	—	
Fanö ...		30.00	34	NW	4	0	29.85	+ .19	31	31	- 4	SSE	4	5	*	37	32	0.08	
Sumburgh Head		29.98	30	SSE	1	5	29.68	- .28	46	45	+ 15	WNW	4	0	4	46	30	0.54	
Stornoway ...		29.98	47	W	6	0	29.91	- .07	48	48	+ 7	SW	4	1	4	50	39	0.20	
Wick ...		29.94	46	S	3	0	29.88	- .07	47	47	+ 12	WNW	4	2	1	49	34	0.05	
Nairn ...		29.99	47	W	2	C	29.91	- .11	50	48	+ 11	SW	2	0	1	50	37	0.01	
Aberdeen...		30.03	39	SW	1	0	29.95	- .10	50	47	+ 12	NW	1	0	1	50	36	0.01	
Leith ...		30.12	44	W	4	C	30.02	- .02	49	48	+ 8	W	5	C	*	50	41	—	
Shields ...		30.15	47	WSW	2	C	30.04	- .01	48	46	+ 5	W	6	0	3	49	40	0.03	
Spurn Head ...		30.21	40	W	3	0	30.10	+ .06	45	43	+ 3	W	4	0	3	45	40	—	
York ...		30.21	45	W	2	0	30.14	+ .07	47	45	+ 2	W	4	0	*	52	42	—	
Loughborough		30.27	47	WNW	1	0	30.24	+ .08	46	44	+ 1	W	3	0	*	50	41	—	
Ardrossan ...		30.17	46	W	2	0	30.10	+ .01	49	48	+ 3	WSW	4	0	3	50	45	—	
Malin Head ...		30.15	45	WSW	4	0	30.12	+ .01	47	47	+ 2	WSW	4	0	4	48	45	—	
Mullaghmore ...		30.24	47	WSW	4	0	30.24	+ .06	48	47	+ 3	SW	5	0	3	51	44	0.01	
Belmullet ...		30.24	47	SW	3	0	30.27	+ .08	49	48	+ 4	SW	3	0	*	49	44	0.01	
Donaghadee ...		30.24	49	W	3	C	30.17	+ .04	50	48	+ 3	WSW	5	C	3	52	45	—	
Barrow-in-Furness		30.25	44	WSW	3	0	30.20	+ .08	45	44	+ 2	SW	5	0	*	46	42	—	
Liverpool (Bidston)		30.31	44	W	3	0	30.27	+ .11	44	43	0	W	6	0	4	47	48	0.01	
Holyhead ...		30.31	46	W	1	0	30.30	+ .11	47	46	0	W	3	0	2	48	45	—	
Parsonstown ...		30.33	47	W	2	0	30.35	+ .11	46	45	0	Z	0	0	*	52	42	—	
Valencia ...		30.27	49	WSW	2	0	30.39	+ .10	48	47	0	WSW	1	0	1	50	47	0.16	
Roche's Point...		30.35	46	SE	1	0	30.39	+ .11	46	44	0	W	2	C	3	50	45	—	
Pembroke ...		30.39	47	W	2	C	30.38	+ .11	47	45	+ 1	W	3	0	3	47	45	0.01	
Scilly ...		30.29	48	W	2	0	30.42	+ .11	46	45	- 1	NW	3	C	3	49	45	0.02	
Prawle Point ...		30.29	45	WNW	2	C	30.41	+ .09	44	44	- 1	WSW	1	0	0	52	41	0.02	
Jersey ...		30.41	47	WNW	3	0	30.43	+ .09	45	44	- 1	W	3	0	3	49	43	0.04	
Hurst Castle ...		30.33	45	W	3	C	30.36	+ .09	42	42	+ 2	W	1	0	1	50	37	—	
Dungeness ...		30.27	47	NW	3	0	30.28	+ .13	42	42	+ 1	WNW	3	0	2	51	35	—	
London ...		30.30	48	NW	2	0	30.31	+ .12	42	41	0	WSW	1	0	*	51	40	—	
Oxford ...		30.34	43	WSW	2	C	30.31	+ .10	41	40	- 1	SW	3	0	*	50	38	0.01	
Cambridge ...		30.28	47	W	1	0	30.26	+ .11	45	43	- 1	W	1	0	*	51	37	—	
Yarmouth ...		30.21	45	NW	2	0	30.18	+ .14	43	42	+ 1	WNW	4	0	3	46	36	—	
Cuxhaven ...		30.14	34	WNW	6	0	29.99	+ .27	36	36	- 4	SW	3	0	*	39	24	0.08	
Berlin ...		29.80	28	NW	8	0	30.00	+ .42	30	28	- 6	NW	3	0	*	37	28	0.16	
Wiesbaden ...		*	*	*	*	*	30.25	+ .16	36	35	+ 2	W	1	0	*	41	34	0.08	
Munich ...		30.09	35	NW	8	0	30.21	+ .18	33	33	0	NW	7	0	*	36	32	0.20	
The Helder ...		30.17	37	NW	1	0	30.08	+ .15	39	39	- 1	W	4	0	3	41	37	—	
Brussels ...		*	*	*	*	*	30.26	+ .14	37	37	0	SW	4	0	*	41	?	0.12	
Cape Gris Nez...		30.26	44	W	4	0	30.28	+ .18	40	40	- 2	SW	5	0	4	46	39	—	
Paris ...		30.36	39	WSW	3	0	30.42	+ .13	37	37	+ 2	SW	1	0	*	41	35	—	
Brest ...		30.44	46	NW	4	0	30.45	+ .07	41	40	- 4	Z	0	0	4	52	39	—	
Lorient ...		30.46	46	W	3	0	30.47	+ .05	37	37	- 9	N	3	0	2	50	39	—	
Rochefort ...		30.48	44	W	4	0	30.47	+ .02	41	41	+ 4	SE	1	0	2	46	36	0.08	
Belfort ...		30.31	33	W	1	0	30.38	+ .11	32	29	+ 4	W	3	0	*	36	25	—	
Lyons ...		30.43	31	NNW	1	0	30.39	- .06	36	33	+ 19	NNW	3	0	*	37	17	—	
Nice ...		30.15	43	NNW	1	0	30.01	- .20	40	34	+ 3	E	1	0	0	53	36	—	
Perpignan ...		30.29	47	NW	4	0	30.18	- .12	47	41	+ 4	NW	5	0	*	54	31	—	
Biarritz ...		30.42	45	NE	4	0	30.38	- .02	39	37	+ 5	E	3	0	0	?	34	—	
Corunna ...		*	*	*	*	*	30.35	- .01	39	37	+ 2	NE	1	0	4	54	34	—	
Lisbon ...		30.21	50	N	7	0	30.20	+ .03	41	37	- 2	NNE	7	0	2	54	41	—	

For Explanation of Columns, see p. 4.

WEATHER

CHARTS

for 8 a.m. on

Sunday

5th February

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.

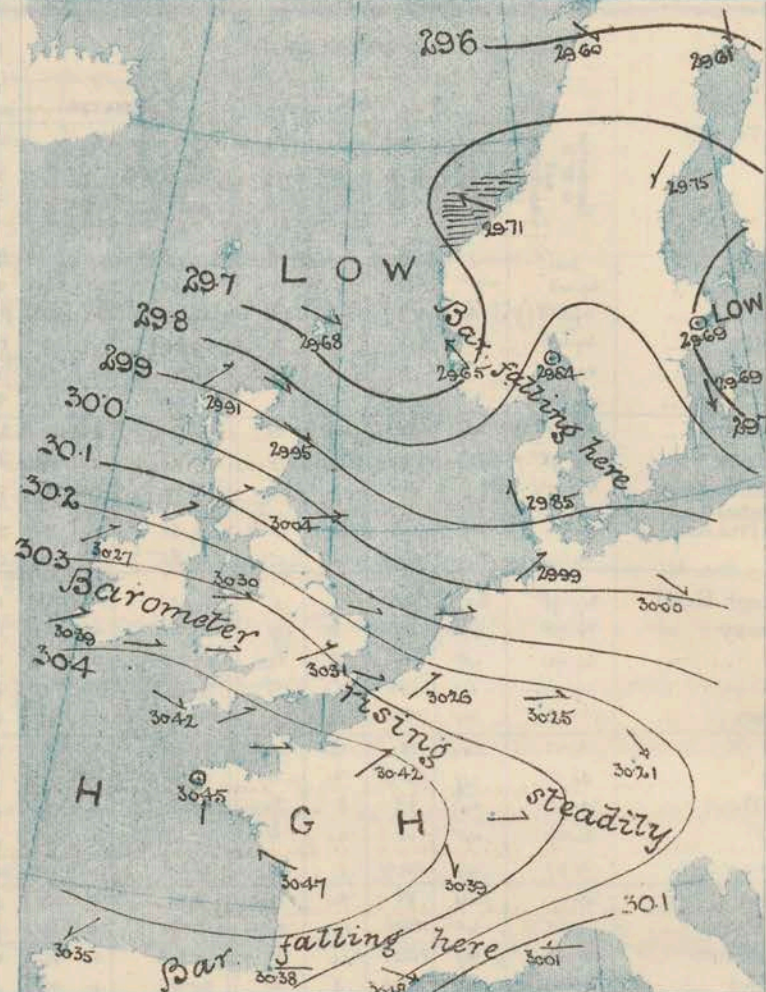
Sea Disturbance — where considerable is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS	MEAN READINGS.
Sumburgh Head	29.718
Stornoway	29.700
Wick	29.737
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.905
Donaghadee	29.812
Holyhead	29.848
Liverpool	29.873
Parsonstown	29.834
Valencia	29.850
Roch's Point	29.850
Pembroke	29.875
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.938
Cambridge	29.935
Yarmouth	29.928



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

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

Weather — is shown by Letters of the Beaufort Scale.

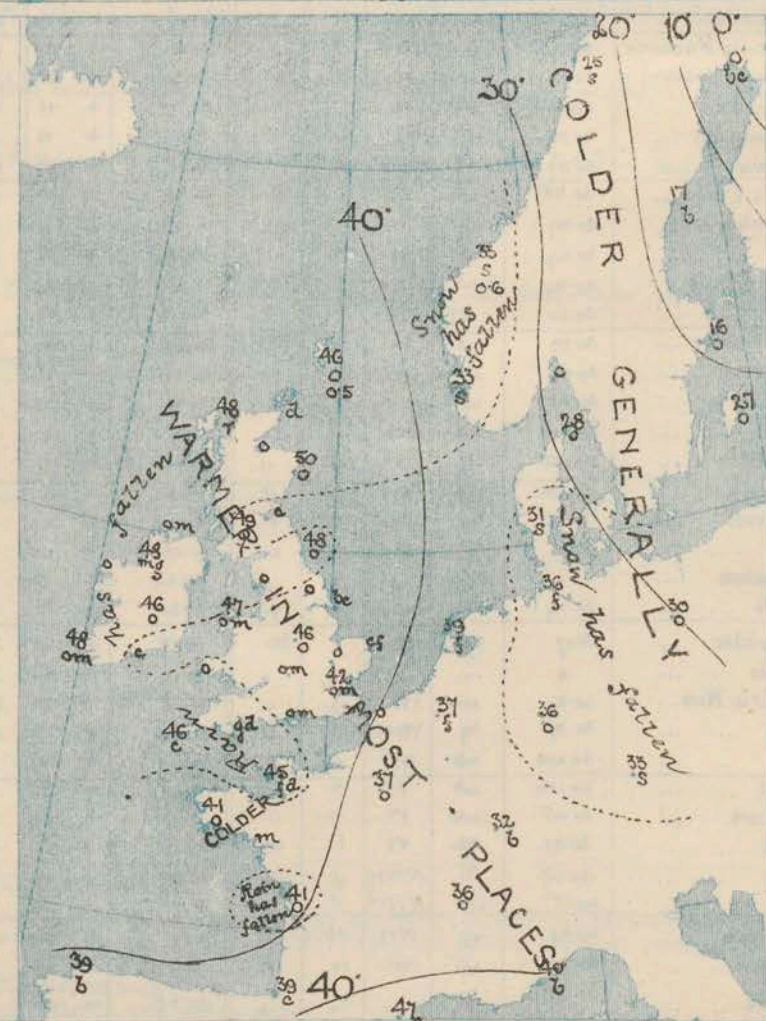
Rainfall A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE

AND RAINFALL.
for the month of February.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	42.6	34.7	38.7	37.7	3.20
Stornoway	43.5	34.7	39.3	38.2	3.97
Wick	43.4	33.5	38.4	37.0	2.02
Nairn	43.4	33.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	46.6	34.7	39.2	37.7	1.58
Shields	44.3	35.7	39.2	37.9	1.63
York	45.3	34.2	38.2	37.1	1.88
Loughborough	46.0	34.6	38.4	37.3	2.00
Ardrossan	45.0	36.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.90
Liverpool	45.3	36.9	39.9	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	5.29
Roche's Point	48.9	40.0	43.6	42.2	4.86
Pembroke	46.2	40.3	43.1	41.9	3.20
Scilly	49.7	43.7	46.9	45.3	2.98
Jersey	47.6	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.63
Dover	45.4	37.4	40.3	39.1	2.12
LONDON	46.9	36.0	39.7	38.6	1.89
Oxford	45.9	35.9	38.8	37.7	2.06
Cambridge	46.4	38.9	38.3	37.3	1.60
Yarmouth	43.5	35.2	38.9	38.2	2.02

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.4 ins. and upwards, in an anticyclone lying over the Bay of Biscay, our extreme SW. coast, and the western and central parts of France. Lowest, 29.6 ins. in the extreme north of Scandinavia, and also (apparently) in a small depression lying off the west of Norway. Gradient moderate over our Islands and the North Sea, but slight elsewhere. Barometer falling in the north and east of our Islands, but rising elsewhere.
TEMPERATURE	Highest, 50° at Kain, Aberdeen, and Donaghadee, 49° at Faith and Belmullet, and 48° at Stornoway, Mullaghmore and Valencia. Lowest, 0° at Haparanda, 16° at Stockholm, 17° at Hovvands, and 25° at Bodö; lowest in our Islands 41° at Oxford. (During yesterday the thermometer rose to slightly above 50° in many parts of the United Kingdom.)
WIND	Light to fresh from W. or SW. in our Islands, the Netherlands, the north of France. Moderate to strong from the SE. on the eastern shores of the North Sea. Moderate NW. in the south of France, light NE. in the west of that country.
WEATHER	Fine in Spain and the south of France, but dull elsewhere. Fog prevails over the Netherlands, mist is reported in many parts of our Islands, and snow is falling at Bodö, Haparanda, Jämt and Munnich. Since yesterday rain has fallen at several of our northern stations, and at Stornoway the fall still continues.
SEA	Rather rough at Christiansund, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past twenty-four hours a small depression has moved eastwards along our extreme northern coasts. The disturbance is, however, now passing away towards Norway, and the anticyclone to the southward of our Islands is inclined to spread southwards.

FORECASTS

for the 24 hours ending at NOON on 6th FEBRUARY 1888.

DISTRICTS.

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

FORECASTS.

NONE ISSUED

DISTRICTS.

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

WARNINGS

FORECASTS.

NONE ISSUED.

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudenes	30.24	30.2	30.2	NW	8	0	Holyhead	30.27	46	45	W	2	0
Samburgh Head	30.02	30	30	L	0	5	Valencia	30.34	30	49	WSW	3	0
Stornoway	29.95	50	48	SW	5	bc	Scilly	30.36	49	49	WSW	2	bc
Aberdeen	30.06	44	41	SW	2	c	Dungeness	30.22	30	50	NW	4	0
Shields	30.14	43	42	SSW	1	m	London	30.25	51	48	WSW	2	bc
Ardrossan	30.17	48	47	W	2	0	Yarmouth	30.15	46	45	NW	4	bc
Malin Head	30.15	47	47	WSW	3	0	Jersey	30.38	49	48	NW	3	om
Mullaghmore	30.22	50	49	SSW	2	c	Rochefort	30.48	45	43	W	4	0
Belmullet	30.23	47	47	WSW	1	og							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday showed that at 8 a.m. pressure varied from 30.4 ins. and more over the Bay of Biscay and the western parts of France, and from 30.1 ins. and more, over Southern and Southeastern Europe and the Mediterranean to about 29.9 ins. in a depression over Northern Europe, as well as in a secondary system which lay over the southern part of the Baltic. Thus, while S and SW winds prevailed over Russia and Germany, with squally and showery weather, strong NW winds and gales were felt over the eastern shores of the North Sea with much snow. In the British Islands conditions were more quiet, the wind W², the weather mild, cloudy, rather misty, and in several places showery. Temperature was changing irregularly; in France and the south of our islands it had risen decidedly, but over Northern Europe it was beginning to fall. It varied from many degrees below the freezing point over Russia and Lapland and from several degrees below the same value over the southern half of France to a good deal above 40° in Ireland, England, Brittany, and to more than 50° over the southern part of the Mediterranean. The lowest individual values were 4° at Haparanda, 8° at Archangel and Nicolaiuff, 9° at Kharkov and Moscow, 10° at Kiev, 15° at Uleaborg, 17° at Lyons, 20° at Harnstadt, and 28° at Wiesbaden; the lowest were 50° at Malta, 55° at Algiers, 50° at Brindisi, 48° at Sanguniar, and Valencia (Ireland) and 47° at Scilly, Holyhead and Donaghadee.

Later in the day the mild weather spread to Scotland on the one hand and to the south of France on the other, while the barometer rose slowly over the whole 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 Monday 6th February 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 35° F. and Sea Level.	Temp. in Shade.	WIND.			Weather.	BAROMETER.		SHADE TEMP.			WIND.			Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.													
			Dir.	Force. (0 to 12.)			Reading at 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	-10	Z	0	b	29.78	+1.11	-17	-17	-7	N	2	b	*	3	3	-	-														
Hernösand ...	29.63	4	Z	0	b	29.94	+1.31	8	8	-9	Z	0	b	*	25	3	-	-														
Stockholm ...	29.60	12	Z	0	b	29.95	+1.35	4	3	-12	NW	2	b	*	27	9	-	-														
Wisby ...	29.79	27	NNE	4	o	29.87	+1.26	26	22	-1	NNE	6	b	*	30	21	-	-														
Bodö ...	29.82	21	ESE	2	o	29.91	+1.31	32	30	+7	W	4	o	2	32	18	-	-														
Christiansund...	29.95	22	ESE	1	bc	30.04	+1.33	23	22	-3	ESE	3	bc	2	27	19	-	-														
Skudesnaes ...	29.76	36	NW	6	c	30.08	+1.43	34	33	+1	SSE	7	o	5	41	33	-	-														
Christiania Fjord	29.88	24	NE	3	b	30.13	+1.29	20	18	-7	N	5	b	1	27	18	-	-														
(Færder)																																
Skagen (The Scaw)	29.86	25	SE	2	b	30.09	+1.24	25	24	-3	NE	3	c	3	28	23	0.20	-														
Fanö ...	29.78	37	NW	4	o	30.10	+1.25	28	27	-3	ESE	4	b	*	41	28	0.12	-														
BRITISH ISLANDS.																																
Sumburgh Head	29.89	43	N	4	o	29.97	+1.29	43	42	-3	Z	0	o	3	47	36	0.17	-														
Stornoway ...	30.01	49	W	5	r	30.08	+1.17	47	47	-1	NW	4	o	3	50	45	0.06	-														
Wick ...	29.99	47	NW	1	o	30.07	+1.19	46	45	-1	Z	0	o	0	48	45	0.11	-														
Nairn ...	30.04	50	W	1	o	30.10	+1.19	48	46	-2	WSW	1	o	1	52	46	-	-														
Aberdeen...	30.03	49	SSW	1	d	30.13	+1.18	48	45	-2	WNW	2	c	1	54	46	0.01	-														
Leith ...	30.08	47	W	4	c	30.18	+1.16	47	45	-2	W	2	bc	*	52	45	-	-														
Shields ...	30.08	50	W	4	c	30.19	+1.15	46	45	-2	W	2	c	2	50	45	-	-														
Spurn Head ...	30.09	43	W	4	bc	30.18	+1.08	42	40	-3	WNW	3	c	3	46	40	-	-														
York ...	30.13	49	W	3	o	30.23	+1.09	47	45	0	WNW	1	o	*	50	43	-	-														
Loughborough	30.20	48	NW	4	c	30.25	+1.01	45	44	-1	W	1	q	*	50	44	-	-														
Ardrossan ...	30.15	49	W	4	om	30.28	+1.13	47	46	-2	W	3	om	2	50	46	-	-														
Malin Head ...	30.19	47	W	4	om	30.26	+1.14	45	45	-2	WSW	3	om	3	48	45	-	-														
Mullaghmore ...	30.28	47	WSW	4	om	30.31	+1.07	46	45	-2	SW	4	o	3	49	45	-	-														
Belmullet ...	30.29	49	WSW	3	o	30.33	+1.06	46	45	-3	SW	2	bc	*	50	46	-	-														
Donaghadee ...	30.24	51	WNW	4	c	30.30	+1.13	46	45	-4	W	3	b	2	52	45	-	-														
Barrow-in-Furness	30.21	45	WSW	3	o	30.25	+1.05	44	44	-1	WNW	3	c	*	46	44	-	-														
Liverpool (Bidston)	30.23	44	W	6	o	30.30	+1.03	43	42	-1	W	5	o	4	46	43	0.01	-														
Holyhead ...	30.28	48	W	4	o	30.32	+1.02	46	45	-1	WNW	3	c	3	49	45	-	-														
Parsonstown ...	30.35	48	Z	0	o	30.38	+1.03	45	43	-1	Z	0	o	*	49	44	-	-														
Valencia ...	30.37	49	WSW	1	om	30.42	+1.03	46	45	-2	SSW	1	om	1	50	43	0.01	-														
Roche's Point...	30.87	43	WNW	1	o	30.40	+1.01	45	44	-1	W	1	o	3	49	44	-	-														
Pembroke ...	30.34	46	WNW	2	c	30.37	-1.01	46	45	-1	NW	2	bc	1	48	46	-	-														
Scilly ...	30.38	46	WNW	3	op	30.38	-1.04	48	46	+2	N	2	o	4	48	45	0.01	-														
Prawle Point ...	30.38	45	WNW	2	c	30.36	-1.05	44	43	0	W	1	c	1	47	41	-	-														
Jersey ...	30.36	46	WNW	3	o	30.31	-1.12	48	45	+3	WNW	3	ogm	3	48	44	0.01	-														
Hurst Castle ...	30.28	46	NW	2	c	30.27	-1.09	38	38	-4	WNW	2	bc	1	48	35	0.01	-														
Dungeness ...	30.19	44	WNW	3	c	30.18	-1.10	45	45	+3	NW	3	o	2	50	40	-	-														
London ...	30.22	48	NW	2	c	30.25	-1.06	46	44	+4	NW	1	ogf	*	50	41	-	-														
Oxford ...	30.24	45	W	2	c	30.29	-1.02	42	41	+1	W	1	c	*	50	41	-	-														
Cambridge ...	30.21	49	W	1	o	30.25	-1.01	46	44	+1	NW	1	o	*	51	42	-	-														
Yarmouth ...	30.11	47	NW	5	cm	30.17	-1.01	45	44	+2	WNW	2	egf	3	48	42	0.05	-														
Cuxhaven ...	29.84	37	NW	6	r	30.01	+1.02	35	34	-1	NE	4	o	*	38	33	0.12	-														
Berlin ...	29.72	28	SSE	1	e	29.98	-1.02	26	25	-4	E	1	s	*	34	25	0.43	-														
Wiesbaden ...	*	*	*	*	*	30.08	-1.22	41	40	+5	W	1	o	*	45	3	-	-														
Manich ...	29.99	34	W	7	r	29.96	-1.25	34	34	+1	W	6	s	*	37	3	0.47	-														
GERMANY.																																
The Helder ...	30.03	39	NW	3	f	30.10	+1.02	39	38	-1	N	3	o	3	41	39	0.04	-														
Brussels ...	*	*	*	*	*	30.15	-1.11	41	41	+4	W	1	r	*	43	3	0.35	-														
Cape Gris Nez...	30.19	42	WNW	4	o	30.20	-1.08	44	44	+4	WNW	4	m	3	43	39	-	-														
Paris ...	30.28	42	NW	1	o	30.20	-1.22	41	41	+4	NW	3	r	*	46	3	0.04	-														
Brest ...	30.41	45	N	1	o	30.38	-1.07	45	42	+4	NE	3	o	5	52	41	-	-														
Lorient ...	30.38	46	NNE	3	o	30.36	-1.11	44	44	+7	N	1	o	2	45	36	-	-														
Rochefort ...	30.39	44	N	1	o	30.32	-1.15	44	41	+3	N	3	o	2	48	37	-	-														
Belfort ...	30.18	34	W	1	o	30.17	-1.21	36	36	+4	W	3	o	*	37	32	0.08	-														
Lyons ...	30.26	36	WNW	4	b	30.15	-1.24	36	35	0	N	3	o	*	39	35	-	-														
Nice ...	29.97	45	ESE	1	b	29.82	-1.19	39	38	-1	E	3	bc	1	52	37	-	-														
Perpignan ...	30.06	47	NW	7	b	29.95	-1.23	46	40	-1	NW	7	bc	*	56	45	-	-														
Biarritz ...	30.30	47	ESE	4	o	30.27	-1.11	45	41	+6	E	4	o	1	48	3	-	-														
FRANCE & NETHERLANDS.																																
Corunna ...	*	*	*	*	*																											
Lisbon ...	*	*	*	*	*																											
PENINSULA.																																

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts.



for 8 a.m. on Monday, 6th February,

(*Explanation of Map*

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

* \longrightarrow = forces above W ; \longrightarrow = forces 8 to W ;
 \longrightarrow = forces 5 to 7; \longrightarrow = forces 1 to 4;
 @ = dead calm.

Sea Disturbance—where considerable, is shewn thus.

	= Rough.		= High.
-----------------------------------------------------------------------------------	----------	-----------------------------------------------------------------------------------	---------

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

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

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

for the month of February

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 ins. and upwards, in an anticyclone lying off the south and southwest of Ireland.
Lowest, 29.9 ins. and less, over the Gulf of Genoa, 29.8 ins. and less, over the north of Sweden.
A large shallow depression is lying over Germany and a smaller disturbance off the west of Norway.
Gradients slight. Barometer falling in France, the Netherlands, and South Germany, but rising elsewhere.

TEMPERATURE

Highest, 48° at Nain, Aberdeen, Selly and Jersey, 47° at Stomoway, Leith, and Anderson.
Lowest, -17° at Haparanda, +4° at Stockholm, 8° at Helsingfors, 20° at Tawder, 23° at Christiansund and 25° at Hagen.
During yesterday the thermometer rose to 50° in many parts of the United Kingdom.

WIND

Light SW^{ly} in the west of Ireland, W^{ly} or NW^{ly} over Great Britain.
NE^{ly} in Denmark and North Germany, W^{ly} over the Netherlands, South Germany and the east of France.
N^{ly} in the west of France, SE^{ly} in the west of Norway.

WEATHER

Fair over the greater part of Scandinavia and Denmark, but cloudy in places.
Dull in Germany and France, with snow at Berlin and Munich, and rain at Brussels and Paris.
A little rain fell yesterday at some of our northern stations.

SEA

Rather rough at the coasts, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The small depression noticed yesterday off the west of Norway has moved southwards to Germany, and the barometer is now rising at all our more northern stations.

The anticyclone in the southeast is apparently moving northwards, and as the barometer is falling somewhat decidedly in France the wind on our southern coasts will probably veer to the NE^{ly} with colder weather. No other change is indicated at present.

FORECASTS

for the 24 hours ending at NOON on 7th FEB^{ry}

1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW ^{ly} winds, light; fair generally, but dull in places.
1	SCOTLAND EAST	----- D° ----- D° ----- D° -----
2	ENGLAND N.E.	----- D° ----- D° ----- D° -----
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	Same as N° 5.
5	ENGLAND SOUTH	NW ^{ly} to NE ^{ly} winds, light or moderate; fair generally. Colder.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as N° 0
7	ENGLAND N.W.	Same as N° 0
8	ENGLAND S.W.	N ^{ly} to NE ^{ly} winds, moderate; fair generally.
9	IRELAND NORTH	SW ^{ly} to NW ^{ly} winds, light; fair generally.
10	IRELAND SOUTH	NE ^{ly} winds, light or moderate; cloudy generally.

WARNINGS

NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wva.	Sea.		Bar.	Dry.	Wet.	Wind.	Wva.	Sea.
Skudesnaes ...	29.65	41	41	W 4	78	4	Holyhead ...	30.50	49	47	W 4	0	3
Samburgh Head ...							Valencia ...						
Stornoway ...	29.98	50	50	SW 3	7	3	Scilly ...						
Aberdeen ...							Dungeness ...	30.20	44	43	WNW 5	0	2
Shields ...							London ...						*
Ardrossan ...							Yarmouth ...						
Malin Head ...	30.15	48	47	W 4	0	4	Jersey ...	30.38	46	45	NW 2	0	2
Mullaghmore ...							Rocheport ...	30.44	44	43	N 1	m	2
Belmullet ...	30.28	50	48	WSW 4	0	*							

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

Yesterday morning's reports showed that pressure varied from between 30.30 ins. and 30.45 ins. over France, the Bay of Biscay and North of Spain, 29.5 ins. and less in a long "trough" of low pressure which extended southwards from Finland, across the Baltic Provinces and Poland to Austria-Hungary. Further to the eastward pressure increased to 30 ins. and upwards. Fresh to moderate W. (SW to NW) winds prevailed over the British Islands, with mild, dull and rather damp weather, while over southern Europe the wind was variable from the NE and the weather brighter and drier. On the eastern shores of the North Sea there was a S.E. breeze with dull weather, some snow and fog; in central Europe it was N.E. and over eastern Europe S.E. The change in temperature had been somewhat irregular, but at 8 a.m. it varied from 50° and more over the southern parts of the Mediterranean, and from between 40° and 50° over the whole of the British Isles and Bay of Biscay, to rather below zero over central Russia, to very little above that value in Lapland. Frost was prevalent over all the northern, eastern and central countries. The lowest individual readings reported were -2° F. at Moscow, 0° at Haparanda, 9° at St. Petersburg and Uleaborg, 11° at Kharkov, 16° at Kioio and Stockholm, 21° at Kieff, 22° at Helsingfors, 30° at Berlin and 32° at Belfort; the highest were 55° at Algier, 53° at Malta, 50° at Brindisi, 48° at Barcelona, Shields, Stornoway, Mullaghmore and Valencia. Later in the day the wind veered somewhat over the United Kingdom and, temperature over northern Europe showed a tendency to become still lower.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 29TH JANUARY TO THE 4TH FEBRUARY 1888.

In the course of this week the weather over the British Islands and their neighbourhood has undergone some very marked changes. At its commencement the barometer was highest in an anticyclone whose centre lay over Ireland - where the readings exceeded 30.2 ins. in value. Rather cold N.E. breezes prevailed over the United Kingdom, the North Sea and France, but a very hard frost was reported over northern and central Europe. The anticyclone then moved quickly to the southwards and on Tuesday a large and somewhat deep depression advanced on Great Britain from the northward, producing strong N.E. gales at our northern and western stations, strong W. winds in the South, S.E. gales in the East, and equally unsettled weather, rain and sleet very generally - These were followed by very keen N.E. breezes and dry weather. As this depression passed away towards Spain, the barometer rose rapidly, and a new anticyclonic (ridge) system came over our area from the northward, bringing with it a very sharp frost; in London the cold was more severe than any recorded during the present winter. Minimum (shade) temperatures were registered early on Thursday, as low as 20° at Hurst Castle, Larmouth and in London, 19° at Oxford, and 16° at Cambridge. On the Continent the frost was still more severe. The anticyclone reached France next day and in its rear the thermometer rose briskly, and mild W. breezes set in over the Kingdom, with damp mists, cloudy skies and in several places slight rain.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for

Tuesday 7th February

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.													
																			In.	°				In.	In.	°	°		In.
SCANDINAVIA.	Haparanda ..	29.93	5	N	2	0	29.88	+10	-9	-9	+8	E	2	0	+	-2	-20	-											
	Hernösand ...	29.96	10	Z	0	6	29.79	-15	5	5	-3	Z	0	6	+	27	0	-											
	Stockholm ...	30.00	9	Z	0	6	29.65	-30	6	5	+2	SSE	2	6c	+	14	3	-											
	Wishby ...	30.06	25	N	6	6	29.75	-12	20	18	-6	S	2	6	+	30	?	-											
	Bodö ...	29.88	25	E	2	6	29.47	-44	25	23	-7	E	6	6	3	32	21	-											
	Christiansund...	29.74	28	SE	7	8	29.46	-58	37	35	+14	W	6	6c	4	37	?	0.35											
	Skudesnaes ...	29.94	36	SSE	8	0	29.71	-37	40	39	+6	WNW	4	0	4	?	34	-											
	Christiania Fjord (Fierder)	30.03	28	SW	5	8	29.58	-55	33	33	+13	WSW	2	8	4	?	?	-											
	Skagen (The Scaw)	30.08	25	WSW	3	0	29.65	-44	33	33	+8	WSW	5	0	3	33	23	0.08											
	Fanö ...	30.16	29	WSW	2	0	29.85	-25	35	35	+7	WSW	4	+	+	36	27	0.12											
BRITISH ISLANDS.	Sumburgh Head	29.83	46	W	5	7	29.73	-24	40	38	-3	WNW	3	0	4	47	38	0.10											
	Stornoway ...	29.98	49	W	6	7	29.99	-09	42	42	-5	W	6	0	4	50	39	0.09											
	Wick ...	29.96	48	SW	1	0	29.89	-18	40	39	-6	WNW	3	0	1	50	37	0.02											
	Nairn ...	30.05	48	WSW	1	6c	30.00	-10	42	40	-6	SW	2	6c	1	52	40	0.01											
	Aberdeen...	30.10	49	WSW	2	0	30.01	-12	40	38	-8	WNW	4	6c	2	52	39	0.02											
	Leith ...	30.17	46	W	3	0	30.10	-08	41	38	-6	W	1	6	+	50	40	-											
	Shields ...	30.21	48	SW	2	m	30.09	-10	42	39	-4	W	2	0	2	51	41	-											
	Spurn Head ...	30.22	44	WNW	3	0	30.11	-07	42	41	0	WNW	3	0	3	46	41	-											
	York ...	30.25	48	W	2	0	30.20	-03	45	43	-2	W	3	0	+	53	42	-											
	Loughborough	30.30	47	W	2	0	30.19	-06	43	42	-2	WNW	4	6	+	51	42	-											
GERMANY.	Ardrossan ...	30.23	47	W	3	0	30.16	-07	45	43	-2	W	4	6	3	49	43	-											
	Malin Head ...	30.24	46	WSW	4	0	30.23	-03	44	43	-1	NW	3	6p	3	48	43	0.03											
	Mullaghmore ...	30.32	47	SW	4	0	30.32	+01	46	42	0	WNW	5	0	4	48	43	0.03											
	Belmullet ...	30.34	48	SW	3	0	30.38	+05	46	43	0	NW	4	0	+	49	43	0.05											
	Donaghadee ...	30.32	47	W	3	0	30.24	-06	43	41	-3	WNW	4	6c	2	49	42	-											
	Barrow-in-Furness	30.29	44	W	3	0	30.19	-06	43	42	-1	NW	5	6cp	+	46	42	0.03											
	Liverpool (Bidston)	30.34	43	SW	4	0	30.22	-08	42	41	-1	WNW	5	0	3	46	42	0.02											
	Holyhead ...	30.37	46	W	3	0	30.27	-05	45	44	-1	NW	4	0	3	48	44	-											
	Parsonstown ...	30.41	46	Z	0	0	30.37	-01	45	44	0	Z	0	0	+	48	43	0.03											
	Valencia ...	30.45	47	WSW	2	om	30.44	+02	50	49	+4	W	2	om	2	50	44	0.05											
FRANCE & NETHERLANDS.	Roche's Point...	30.43	46	WSW	3	0	30.39	-01	47	45	+2	W	3	0	3	48	44	-											
	Pembroke ...	30.41	46	NW	2	0	30.33	-04	46	45	0	W	4	6c	2	48	45	-											
	Scilly ...	30.41	48	WNW	3	0	30.41	+03	47	46	-1	NW	4	0	5	48	44	-											
	Prawle Point ...	30.39	47	N	2	0	30.39	+03	44	42	0	W	2	0	1	52	40	-											
	Jersey ...	30.36	48	WNW	3	om	30.39	+08	46	42	-2	N	3	om	2	50	45	-											
	Hurst Castle ...	30.33	49	NE	2	0	30.32	+05	42	40	+4	WNW	2	0	1	53	35	-											
	Dungeness ...	30.25	48	N	1	0	30.23	+05	43	43	-2	WSW	3	0	1	49	43	-											
	London ...	30.31	49	WSW	2	0	30.27	+02	44	41	-2	W	1	6c	+	52	44	-											
	Oxford ...	30.34	47	WNW	3	0	30.25	-04	42	40	0	W	3	0	+	51	41	-											
	Cambridge ...	30.29	47	Z	0	0	30.19	-06	43	41	-3	W	1	0	+	51	41	-											
PENIN. SULA.	Yarmouth ...	30.23	45	WNW	2	0	30.13	-04	43	42	-2	WNW	4	of d	3	46	41	0.03											
	Cuxhaven ...	30.10	32	NE	2	6	30.05	+04	33	32	-2	SW	3	0	+	34	32	-											
	Berlin ...	30.21	24	WNW	2	6	30.13	+15	13	13	-13	Z	0	0	+	30	10	-											
	Wiesbaden ...	*	*	*	*	*	30.17	+14	37	35	-4	NW	1	0	+	43	34	-											
	Munich ...	30.10	30	NW	2	0	30.13	+17	28	28	-6	SE	1	0	+	36	27	0.20											
	The Helder ...	30.22	36	ESE	1	0	30.06	-04	39	38	0	W	1	0	2	39	34	0.04											
	Brussels ...	*	*	*	*	*	30.18	+03	41	41	0	W	3	+	+	44	38	0.04											
	Cape Gris Nez...	30.24	44	E	1	0	30.21	+01	42	41	-2	W	5	0	2	46	39	-											
	Paris ...	30.26	44	NW	3	f	30.27	+07	43	42	+2	NW	3	f	+	46	42	-											
	Brest ...	30.41	48	NNE	4	0	30.43	+05	43	41	-2	WSW	1	0	3	52	34	-											
PENIN. SULA.	Lorient ...	30.36	48	ENE	3	0	30.42	+06	45	42	+1	N	3	0	2	50	43	-											
	Rockefort ...	30.32	45	WNW	3	0	30.38	+06	45	44	+1	WNW	4	0	2	46	39	-											
	Belfort ...	30.12	37	W	1	0	30.15	-02	34	33	-2	W	1	m	+	39	29	-											
	Lyons ...	30.17	39	WNW	5	0	30.25	+10	37	34	+1	WNW	3	0	+	40	36	-											
	Nice ...	30.18	49	E	1	6	29.93	+11	44	37	+5	E	1	6	0	54	?	-											
	Perpignan ...	30.02	47	NW	8	6	30.08	+13	49	43	+3	NW	5	6c	+	53	45	-											
	Biarritz ...	30.26	45	ENE	4	0	30.32	+05	45	43	0	Z	0	f	3	48	41	-											
	Corunna ...	*	*	*	*	*	30.28	+11	51	48	+6	NE	7	6	4	52	37	-											
	Lisbon ...	30.14	50	WNW	4	6	30.24	+12	40	39	-1	N	3	6	2	54	39	-											

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

WEATHER CHARTS

for 8 a.m. on Tuesday, 7th February, 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.

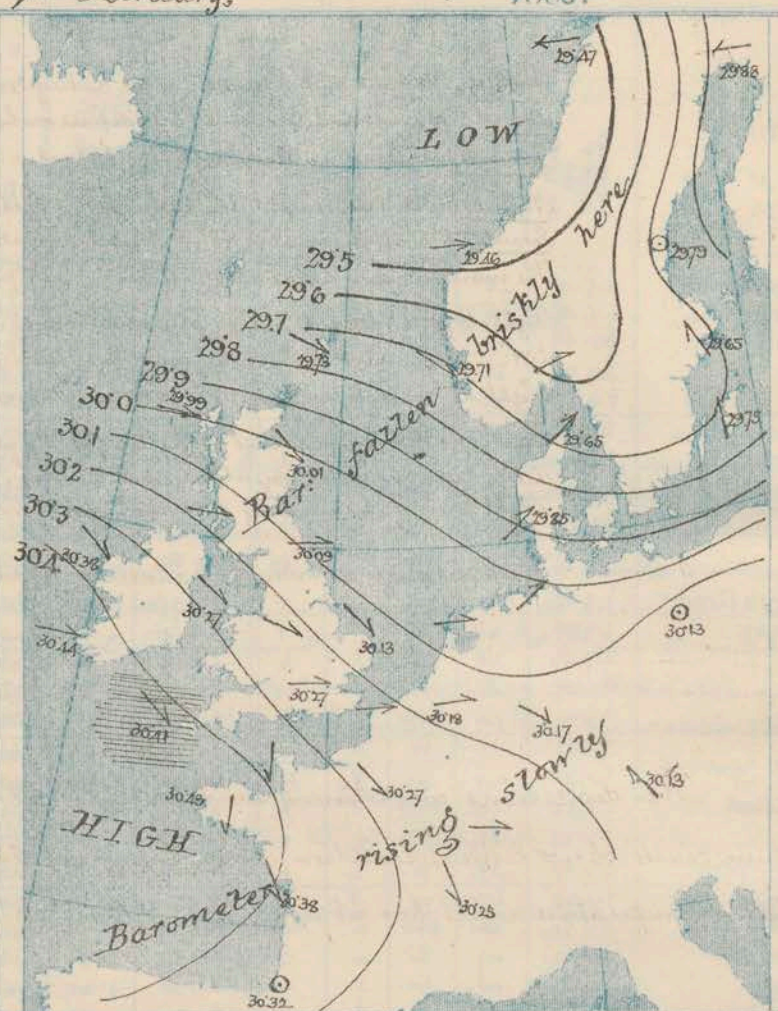
Sea Disturbance — where considerable is shown thus.

— = Rough — = High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.718
Stornoway	29.700
Wick	29.787
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.805
Donaghadee	29.812
Holyhead	29.848
Liverpool	29.878
Parsonstown	29.884
Valencia	29.850
Roche's Point	29.850
Pembroke	29.875
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.938
Cambridge	29.935
Yarmouth	29.928



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

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

Weather — is shown by Letters of the Beaufort Scale.

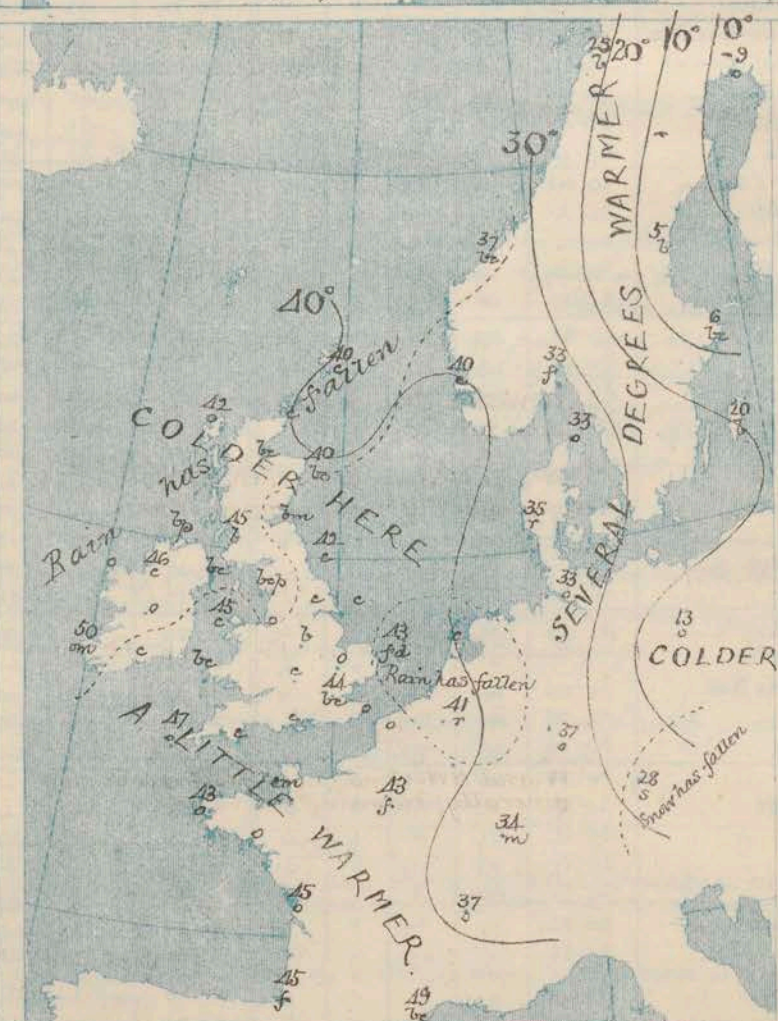
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
 for the month of February.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.6	34.7	38.7	37.7	3.29
Stornoway	43.5	34.7	39.3	38.2	3.97
Wick	43.4	33.5	38.4	37.0	2.02
Nairn	43.4	33.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	46.6	34.7	39.2	37.7	1.58
Shields	44.3	35.7	39.2	37.9	1.63
York	45.3	34.2	38.2	37.1	1.88
Loughborough	46.0	34.5	38.4	37.3	2.00
Ardrossan	45.0	36.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.90
Liverpool	45.3	36.9	39.9	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	5.29
Roche's Point	48.9	40.0	43.6	42.2	4.86
Pembroke	46.2	40.3	43.1	41.9	3.20
Scilly	49.7	43.7	43.9	45.3	2.98
Jersey	47.6	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.63
Dover	45.4	37.4	40.3	39.1	2.12
LONDON	46.9	36.0	39.7	38.6	1.89
Oxford	45.9	35.9	38.8	37.7	2.06
Cambridge	46.4	33.9	38.3	37.3	1.60
Yarmouth	43.5	35.2	38.9	38.2	2.02

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.4 ins: and upwards, in an anticyclone lying over the Bay of Biscay and our extreme southwest coasts. Lowest, 29.5 ins: and less, in a large depression lying off the northwest of Norway. A shallower secondary disturbance is reported over the south of that country. Gradients moderate in the north, slight elsewhere. Barometer falling at all but the French stations.
TEMPERATURE	Highest, 50° at Valence, 49° at Paris, 47° at Rocher's Point and Bally, and 46° at Mullaghmore, Belmullet, Dunbrody, and Jersey. Lowest, -9° F. at Haparanda, +5° at Helsingfors, 6° at Stockholm, 13° at Berlin, 20° at Wiesbaden, and 23° at Rode. The maxima were again above 50° in many parts of the United Kingdom.
WIND	Light to fresh from W. or NW. over our Islands and the west of Norway. SW. in Denmark, S. in the south of Sweden and E. in the north of Scandinavia. Light to moderate from N. or NW. in France.
WEATHER	Fair over the greater part of the United Kingdom and Scandinavia. Dull elsewhere with fog at Paris and Biarritz, and rain at Genoa and Brussels. Slight rain fell yesterday at several of our western and northern stations.
SEA	Rather rough at Bally, but moderate to smooth elsewhere.



PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions over Norway are likely to travel away in a southeasterly direction, but as the wind on our northern coasts shows little disposition to veer, it is probable that other disturbances will shortly appear in the far north. The fall of temperature which has set in at our northern stations seems likely to extend southwards.

FORECASTS

For the 24 hours ending at NOON on 8th FEBR. 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W ^{ly} winds, fresh or strong; fair to dull and some rain.	6 SCOTLAND WEST	Same as No 1.
1 SCOTLAND EAST	W ^{ly} and NW ^{ly} winds, moderate or fresh; fair generally but possibly some showers.	7 ENGLAND N.W.	NW ^{ly} winds, fresh; changeable, some showers.
2 ENGLAND N.E.	-----D°-----D°-----D°-----	8 ENGLAND S.W.	Same as No 4.
3 ENGLAND EAST	-----D°-----D°-----D°-----	9 IRELAND NORTH	Same as No 7.
4 MIDLAND COUNTIES	Same as No 5.	10 IRELAND SOUTH	W ^{ly} and NW ^{ly} winds, light; fair generally.
5 ENGLAND SOUTH	W ^{ly} and NW ^{ly} winds, light or moderate; fair generally, becoming less mild.		NONE ISSUED.
		WARNINGS	

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.10	33	32	NNE 8	0	5	Holyhead ...	30.37	47	45	WNW 2	0	2
Sumburgh Head ...	29.91	46	46	W 4	7	3	Valencia ...	30.45	49	47	W 3	0	3
Stornoway ...	30.04	49	49	SW 6	0	4	Scilly ...	30.41	48	47	N 2	0	5
Aberdeen ...	30.14	51	48	WNW 2	be	1	Dungeness ...	30.23	49	49	N 2	0	1
Shields ...	30.22	50	48	WSW 2	e	2	London ...	30.28	52	49	NW 2	om	*
Ardrossan ...	30.25	47	46	W 3	0	2	Yarmouth ...	30.21	46	45	WNW 4	e w	3
Malin Head ...	30.27	47	46	WSW 3	0	3	Jersey ...	30.34	50	46	NW 3	0	3
Mullaghmore ...	30.34	47	46	SW 5	m p	3	Rocheport ...	30.32	45	44	N 2	0	2
Belmullet ...	30.36	49	47	SW 3	e	*							

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

The reports for yesterday morning showed that pressure was highest (30.2 in. and more) over the Bay of Biscay, Brittany, and the southwestern parts of our Islands, while it was about 30.0 in. and more, in a second high pressure area, which lay over Central and Eastern Russia. These two systems were separated by a broad "trough" of low pressure stretching from S. to N. over Finland, Western and Southern Russia, and Hungary. The distribution was, therefore, very similar to that of Sunday, but the low pressure system was moving slowly to the southward. N. to W. breezes, with mild, cloudy, and slightly showery weather were prevalent over Central, Western, and Northwestern Europe, but in some localities the wind drew into S.E. or S. temporarily as some small depressions passed by them from the N.W. In Russia the wind though light and variable, was mainly S. or S.E., the weather rather snowy, and the cold less severe than on the previous day. Temperature, which had again fallen in the extreme north, ranged from many degrees below zero over Lapland, and from a little below zero in and around Moscow, to 50° and more over the southern part of the Mediterranean, and to between 40° and 48° over the British Isles and the north and west of France. The lowest individual readings were -17° at Hafnarfjörður, -12° at Uleaborg, +1° at Moscow, +4° at Kuspio and Stockholm, 8° at Heringsand, 16° at St. Petersburg, 17° at Hermannstadt, 18° at Nicolaïoff and Odessa, and 20° at Fander; the highest were 53° at Algiers, 53° at Malta, 51° at Palermo, 50° at Brindisi, 49° at Barcelona, 48° at Jersey, Kelly, Aberdeen and Kairi, 47° at Stornoway, and 45° or 46° at many other British and Irish stations.

Later in the day a shallow secondary depression passed eastwards near the Scotch coasts, but the weather remained fair and mild over the greater part of the British Isles, while rain fell in the north.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Wednesday 8th FEBRUARY 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 ..	29.87	-6	S	2	c	29.89	+ .01	5	5	+ 14	S	2	s	*	?	-15	0.08		
Hernösand ...	29.56	22	S	2	s	29.69	- .10	25	25	+ 20	SE	2	s	*	25	0	0.24		
Stockholm ...	29.51	27	ENE	4	s	29.38	- .27	30	29	+ 24	E	4	s	*	?	5	0.08		
Wisby ...	29.60	27	SE	6	s	29.33	- .42	32	?	+ 12	SSE	2	o	*	?	18	0.24		
Bodo ...	29.43	19	W	6	b	29.62	+ .15	17	15	- 8	ENE	4	b	2	25	16	-		
Christiansund...	29.36	35	SW	4	c	29.57	+ .11	34	38	- 3	SE	1	o	5	35	30	-		
Skudesnaes ...	29.48	40	NNW	3	o	29.50	- .21	35	33	- 5	NNW	5	o	3	42	?	-		
Christiania Fjord (Vardø)	29.48	24	NNW	2	b	29.41	- .17	23	22	- 10	NNE	6	o	2	34	19	-		
Skagen (The Scaw)	29.49	31	W	2	c	29.20	- .45	32	32	- 1	E	5	o	4	37	28	0.16		
Faro ...	29.66	36	WSW	4	c	29.40	- .45	34	33	- 1	NW	6	c	*	39	24	0.04		
BRITISH ISLANDS.																			
Sumburgh Head	29.56	42	NW	5	ope	29.75	+ .02	35	34	- 5	N	2	c	4	43	33	0.17		
Stornoway ...	29.94	46	W	6	r	29.89	- .10	47	47	+ 5	W	4	r	3	47	40	-		
Wick ...	29.77	40	NNW	6	o	29.84	- .05	41	41	+ 1	NW	1	o	2	45	36	0.20		
Nairn ...	29.90	45	WSW	3	e	29.86	- .14	46	45	+ 4	WSW	1	o	1	47	41	0.02		
Aberdeen...	29.90	44	NW	5	bcd	29.83	- .18	44	43	+ 4	NNW	4	c	2	46	39	0.05		
Leith ...	30.02	44	W	3	b	29.88	- .22	47	44	+ 6	W	3	c	*	49	40	-		
Shields ...	30.03	44	W	4	b	29.85	- .24	45	43	+ 3	W	2	bc	2	49	40	-		
Spurn Head ...	30.08	42	NNW	4	b	29.87	- .24	43	41	+ 1	NNW	4	bc	2	45	40	-		
York ...	30.10	45	W	3	c	29.91	- .29	45	43	0	NW	2	bc	*	49	40	0.06		
Loughborough	30.17	44	NNW	4	c	29.98	- .21	44	43	+ 1	NNW	2	o	*	50	43	0.26		
Ardrossan ...	30.10	46	NNW	5	o	29.96	- .20	47	46	+ 2	NW	5	o	4	48	43	0.01		
Malin Head ...	30.18	45	NNW	3	ope	30.08	- .15	45	45	+ 1	NW	3	oap	3	46	44	0.03		
Mullaghmore ...	30.21	45	NNW	5	cpd	30.17	- .15	46	44	0	W	5	op	4	48	44	0.03		
Behanlet ...	30.25	47	NNW	4	o	30.23	- .15	47	46	+ 1	NNW	3	o	*	48	45	0.01		
Donaghadee ...	30.21	45	NNW	4	bc	30.06	- .18	46	45	+ 3	NNW	5	c	3	48	42	-		
Barrow-in-Furness	30.17	44	W	3	b	29.98	- .21	44	44	+ 1	NW	6	o	*	46	42	0.04		
Liverpool (Bidston)	30.19	43	W	6	c	30.03	- .19	43	42	+ 1	W	6	o	4	46	42	0.02		
Holyhead ...	30.26	46	NNW	4	c	30.11	- .16	45	44	0	NNW	6	o	5	48	44	0.01		
Parsonstown ...	30.36	46	?	0	o	30.23	- .14	44	43	- 1	?	0	o	*	49	42	-		
Valencia ...	30.43	48	NW	1	o	30.32	- .12	47	46	- 3	NNW	2	o	1	51	46	0.01		
Roche's Point...	30.37	47	NW	4	bc	30.25	- .14	45	43	- 2	NW	4	c	3	48	44	0.01		
Pembroke ...	30.33	46	NW	3	c	30.18	- .15	45	44	- 1	NNW	4	o	3	47	45	-		
Scilly ...	30.37	49	NW	5	o	30.24	- .17	47	45	0	NNW	5	o	5	49	45	-		
Prawle Point ...	30.31	43	N	2	b	30.18	- .21	43	41	- 1	NNW	5	og	4	49	37	-		
Jersey ...	30.29	48	NW	3	ogm	30.18	- .21	45	42	- 1	NW	3	cm	4	49	42	-		
Hurst Castle ...	30.22	45	NNE	3	b	30.10	- .22	41	41	- 1	NW	2	r	1	53	35	0.10		
Dungeness ...	30.13	44	NNW	3	c	29.98	- .25	41	40	- 2	NNW	4	r	3	47	34	-		
London ...	30.18	45	NW	2	b	30.02	- .25	42	42	- 2	NNW	2	or	*	50	41	0.05		
Oxford ...	30.20	43	NW	3	c	30.05	- .20	43	41	+ 1	NNW	3	or	*	50	40	0.10		
Cambridge ...	30.13	42	NNW	2	b	29.96	- .23	43	43	0	NW	2	c	*	52	39	0.06		
Yarmouth ...	30.08	43	NNW	4	bc	29.88	- .25	43	42	0	NNW	5	cm	4	46	36	0.04		
Cuxhaven ...	29.87	37	WSW	3	r	29.55	- .50	39	39	+ 6	W	6	o	*	39	?	0.04		
Berlin ...	29.76	32	WSW	2	s	29.58	- .55	35	35	+ 22	NNW	3	o	*	36	10	0.12		
Wiesbaden ...	*	*	*	*	*	29.88	- .29	39	37	+ 2	W	3	o	*	41	37	0.04		
Munich ...	29.98	33	W	4	s	29.85	- .28	32	32	+ 4	W	6	s	*	34	32	0.35		
GERMANY.																			
The Helder ...	29.97	38	NW	3	b	29.75	- .31	40	39	+ 1	NNW	4	o	3	40	37	-		
Brussels ...	*	*	*	*	*	29.92	- .20	40	39	- 1	W	5	r	*	45	38	0.08		
Cape Gris Nea...	30.12	42	WSW	5	o	29.97	- .24	41	40	- 1	NNW	5	o	4	46	39	-		
Paris ...	30.20	44	W	3	c	30.08	- .19	41	39	- 2	NW	3	m	*	45	40	-		
Brest ...	30.32	46	NNW	4	o	30.28	- .15	45	41	+ 2	NW	5	o	5	52	32	-		
Lorient ...	30.38	45	NNW	3	o	30.26	- .16	44	42	- 1	N	4	o	2	48	41	-		
Rochefort ...	30.38	44	NNW	4	o	30.25	- .13	42	41	- 3	NNW	5	b	2	46	37	-		
Belfort ...	30.13	36	W	1	r	29.99	- .16	36	35	+ 2	W	1	c	*	37	31	0.08		
Lyons ...	30.22	39	NNW	3	o	30.09	- .16	37	37	0	N	1	r	*	44	36	-		
Nice ...	29.90	46	E	1	bc	29.83	- .10	43	39	- 1	ENE	3	bc	0	57	37	-		
Perpignan ...	30.11	52	NW	5	b	30.10	+ .02	45	39	- 4	NW	5	o	*	56	44	-		
Biarritz ...	30.35	48	N	1	f	30.28	- .04	45	41	0	E	3	o	1	50	41	0.04		
FRANCE & NETHERLANDS.																			
Coruana ...	*	*	*	*	*														
Lisbon ...	30.28	50	NW	4	b	30.25	+ .01	48	45	+ 8	NNW	3	b	2	55	45	-		
PENINSULA.																			

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

WEATHER CHARTS

for 8 a.m. on

WEDNESDAY 8th February,

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.

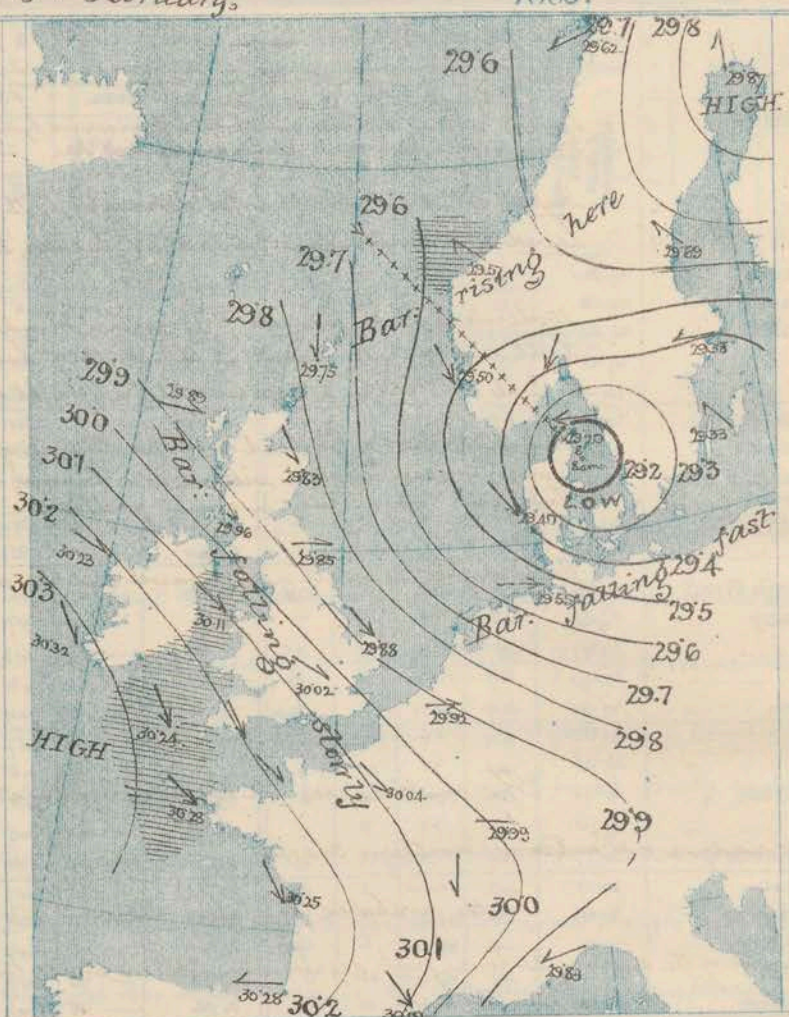
Sea Disturbance — where considerable is shown thus.

— Rough — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.718
Stornoway	29.700
Wick	29.787
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.805
Donaghadee	29.812
Holyhead	29.848
Liverpool	29.873
Parsonstown	29.884
Valencia	29.850
Roche's Point	29.850
Pembroke	29.875
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.938
Cambridge	29.935
Yarmouth	29.928



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

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

Weather is shown by Letters of the Beaufort Scale.

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

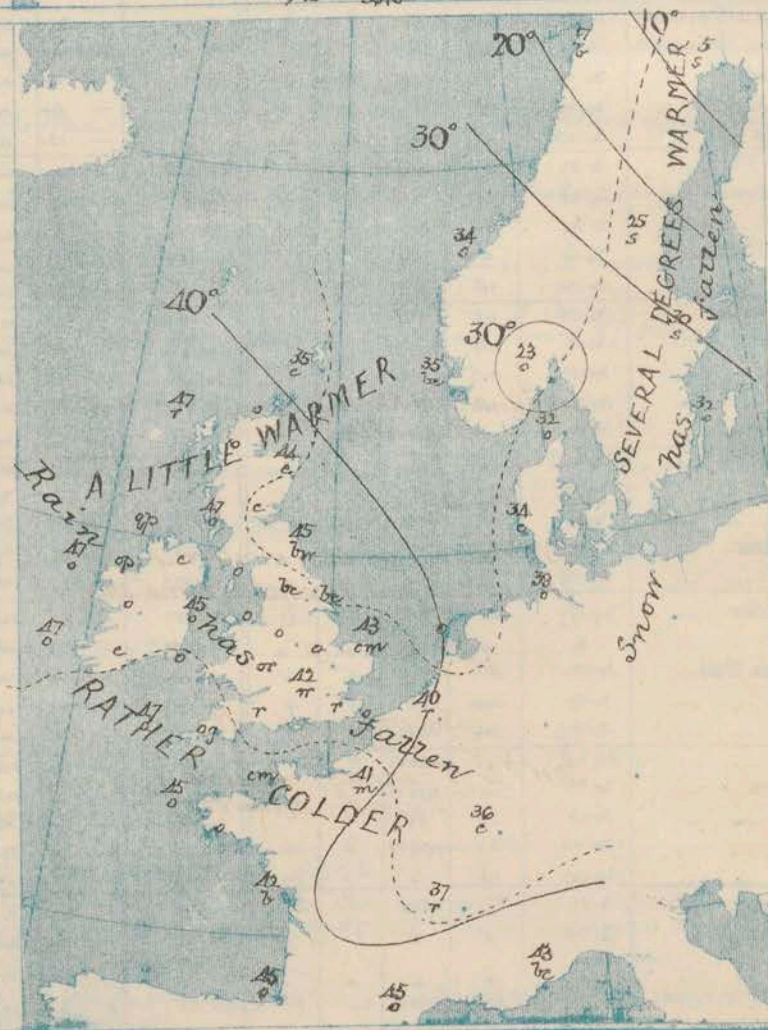
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of February.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry at 8 a.m.	Wet	
Sumburgh Head	42.6	34.7	38.7	37.7	3.29
Stornoway	43.5	34.7	39.3	38.2	3.97
Wick	43.4	33.5	38.4	37.0	2.02
Nairn	43.4	33.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	46.6	34.7	39.2	37.7	1.58
Shields	44.3	35.7	39.2	37.9	1.63
York	45.3	34.2	38.2	37.1	1.88
Loughborough	46.0	34.5	38.4	37.3	2.00
Ardrossan	45.0	36.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.90
Liverpool	45.3	36.9	39.9	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.15
Valencia	50.2	40.8	45.1	43.4	5.29
Roche's Point	48.9	40.0	43.6	42.2	4.86
Pembroke	46.2	40.3	43.1	41.9	3.20
Scilly	49.7	43.7	46.9	45.3	2.98
Jersey	47.6	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.63
Dover	45.4	37.4	40.3	39.1	2.12
LONDON	46.9	36.0	39.7	38.6	1.89
Oxford	45.9	35.9	38.8	37.7	2.66
Cambridge	46.4	33.9	38.3	37.3	1.60
Yarmouth	43.5	35.2	38.9	38.2	2.62

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.3 ins. and upwards in an anticyclone lying to the southwestward of our Islands, 29.8 ins. and upwards in an area lying over the North of Sweden.
Lowest 29.2 ins. and less in a small depression lying over the Kattegat.
Gradient moderate over our Islands and the North Sea. Barometer rising in the northern parts of Scotland & Scandinavia, but falling elsewhere.

TEMPERATURE

Highest 48° at Lisbon, and 47° at Hørnø, Leith, Ardrossan, Belmullet, Valencia and Scilly.
Lowest 5° at Haparanda, 17° at Bodø, 23° at Faerder, 25° at Hørnösand, 30° at Stockholm, and 32° at Wexby and St. agen.

WIND

Moderate to strong from the NW, over our Islands and the North Sea.
Light or moderate from E. in the North of Scandinavia; chiefly N. in France.
A light NW gale was experienced last night in the extreme North of Scotland.

WEATHER

Fine in the East of England and also at some of the southern French stations.
Cloudy or overcast elsewhere with snow in Sweden, rain in the South of England, and passing showers on our extreme NW coasts.
Slight rain fell yesterday in many parts of the United Kingdom.

SEA

Rather rough at the mouth of the Channel and also at Christiansund and Holyhead, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The small depression over the Kattegat is apparently travelling southeastward, and the barometer is now rising on our extreme northern coasts.

In the northwest and west however, the mercury is still falling and it is therefore not improbable that in the course of the ensuing 24 hours fresh depressions will advance towards our Islands from the northward.

FORECASTS

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

DISTRICTS.

FORECASTS.

↑ 0	SCOTLAND NORTH	W ^{ly} and NW ^{ly} winds, moderate to strong; changeable, some rain.
↑ 1	SCOTLAND EAST	.....D.....D.....D.....
2	ENGLAND N.E.	NW ^{ly} to W ^{ly} winds, moderate; fair generally, but probably some showers.
3	ENGLAND EAST	.....D.....D.....D.....
4	MIDLAND COUNTIES	Same as N° 5.
5	ENGLAND SOUTH	NW ^{ly} to W ^{ly} winds, moderate; cloudy; some showers.

DISTRICTS.

FORECASTS.

↑ 6	SCOTLAND WEST	NW ^{ly} and W ^{ly} winds, strong; squally, some rain.
7	ENGLAND N.W.	.....D.....D.....D.....
8	ENGLAND S.W.	NW ^{ly} winds, fresh or strong; dull, rain locally.
↑ 9	IRELAND NORTH	Same as N° 6 and 7.
10	IRELAND SOUTH	NW ^{ly} winds, moderate; fair generally, but cloudy.

WARNINGS

The NORTH CONE was hoisted yesterday in districts 0, 6, 9 and part of 1.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnæs ...	29.68	42	40	SSE 4	c	4	Holyhead ...	30.27	40	43	WNW 4	b	4
Gumburgh Head ...	29.61	42	40	WNW 5	bcpq	5	Valencia ...	30.43	51	48	NNW 2	bc	2
Stornoway ...	29.99	47	46	W 6	c	4	Scilly ...	30.38	49	48	WNW 5	c	5
Aberdeen ...	29.95	45	43	NW 4	bc	2	Dungeness ...	30.15	44	43	W 3	o	2
Shields ...	30.05	49	44	W 4	b	2	London ...	30.18	49	49	WNW 3	c	*
Ardrossan ...	30.11	48	45	WNW 5	c	4	Yarmouth ...	30.07	40	43	NW 4	bc	4
Malin Head ...	30.01	46	45	WNW 3	cp	3	Jersey ...	30.24	49	45	NW 3	o	3
Mullaghmore ...	30.31	47	44	W 5	c	4	Rocheport ...	30.43	45	45	NNW 4	o	2
Belmullet ...	30.37	48	44	WNW 4	o	*							

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

The reports for yesterday morning showed that while pressure had changed very little over the United Kingdom and its neighbourhood, it had increased somewhat decidedly over northern Russia, and decreased in Lapland and the North of Scandinavia. Readings varied from 30.3 ins. and more over the Bay of Biscay and over our southwest coasts, and from 30.1 ins. and more over the northeast of Russia, to about 29.4 ins. in a depression lying over the northwest of Norway, to about 29.5 ins. in another depression over southern Russia, and to 29.7 ins. and less over the Black Sea and the southeastern parts of the Mediterranean.

Thus the general direction of the wind was NW. by over western Europe and the North Sea, SW. by to S. by over the Baltic, and SE. by in Russia. Over southern Europe it was N. by and in Germany and Austria W. by.

Temperature had changed irregularly, but frost prevailed over all but the western countries; even over central Spain the thermometer was below the freezing point. The lowest individual values were -9° F. at Hypparando, -8° at Archangel and Uleaborg, -7° at St. Petersburg, -6° at Kuzio, +5° at Hernisand, 9° at Breslau and Hango, 13° at Lemberg, Warsaw and Berlin, 18° at Budapesth and Hermanstadt, 19° at Swinemunde, 20° at Nicolaieff, 21° at Odessa, Kharkov, Kiev and Wisly and 28° at Munich; the highest were 55° at Algiers, 54° at Barcelona, 52° at Oporto, 51° at Corunna, 50° at Brindisi and Valencia, (the Malta report is wanting), 47° at Rocks Point and Scilly, 46° in London and 42° at Stornoway.

Later in the day the thermometer rose to 50° or more, in several parts of western Europe, and the appearance of a new small depression off our extreme northern coasts caused a temporary but decided increase of wind in that region, with rain.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Thursday 9th February 1888.

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

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)		SHADE TEMP.		Amount of Rainfall.
			Dir.	Force, (0 to 12.)			Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force, (0 to 12.)				Max.	Min.	
SCANDINAVIA.	Haparanda ...	29.97	9	S	2	0	29.97	+ 0.8	8	8	+ 3	SE	2	0	*	9	-16	-	-
	Hernösand ...	29.90	21	SSE	2	0	29.87	+ 1.12	19	19	- 6	2	0	0	*	28	19	0.04	-
	Stockholm ...	29.69	23	NNE	4	6	29.82	+ 1.44	22	21	- 8	NE	2	0	*	30	18	0.08	-
	Wisby ...	29.58	28	SE	4	5	29.78	+ 1.45	19	18	- 13	ESE	2	6	*	34	?	0.08	-
	Bodö ...	29.64	17	NE	6	6	29.51	- 1.1	18	17	+ 1	EHE	7	6	4	19	14	-	-
	Christiansund...	29.56	31	ESE	5	6	29.43	- 1.44	32	31	- 2	ESE	5	5	4	34	28	0.24	-
	Skudesnaes ...	29.68	36	ESE	2	0	29.64	+ 1.14	33	32	- 2	S	8	0	5	37	?	-	-
	Christiania Fjord (Færder)	29.56	31	NNE	6	6	29.75	+ 1.34	26	25	+ 3	NNE	2	0	1	?	21	-	-
	Skagen (The Scaw)	29.62	30	NE	6	0	29.72	+ 1.52	28	27	- 4	NE	2	0	2	32	27	0.04	-
	Fanö ...	29.69	30	NNW	6	0	29.76	+ 1.36	30	29	- 4	2	0	0	*	37	28	-	-
BRITISH ISLANDS.	Sumburgh Head	29.58	39	S	2	7	29.51	- 1.24	38	37	+ 3	WNW	4	0	5	45	35	0.31	-
	Stornoway ...	29.76	48	W	6	7	29.83	- 1.06	40	39	- 7	WNW	5	6	4	48	38	0.12	-
	Wick ...	29.66	47	NW	5	0	29.73	- 1.1	39	39	- 2	NW	4	7	3	47	36	0.18	-
	Nairn ...	29.74	48	W	2	0	29.83	- 1.03	41	39	- 5	W	4	0	2	49	40	0.03	-
	Aberdeen...	29.76	45	WSW	1	7	29.84	+ 1.01	40	37	- 4	W	5	0	2	47	39	0.13	-
	Leith ...	29.85	44	W	4	0	29.92	+ 1.04	40	37	- 7	WSW	2	6	*	52	39	-	-
	Shields ...	29.86	47	SW	1	7	29.93	+ 1.08	42	40	- 3	W	2	0	2	50	41	0.02	-
	Spurn Head ...	29.90	41	NNW	4	0	29.93	+ 1.06	42	41	- 1	N	3	0	3	45	40	0.12	-
	York ...	29.91	48	NW	2	6	29.96	+ 1.05	41	39	- 4	NW	2	0	*	54	40	0.04	-
	Loughborough	29.98	46	NW	3	0	29.97	- 1.01	45	43	+ 1	WNW	2	0	*	49	44	0.12	-
GERMANY.	Ardrossan ...	29.92	47	NW	5	7	29.98	+ 1.02	43	41	- 4	WNW	3	0	2	48	42	0.05	-
	Malin Head ...	30.00	47	W	4	0	30.05	- 1.03	43	42	- 2	NW	3	0	3	47	41	0.07	-
	Mullaghmore	30.13	47	W	5	0	30.12	- 1.05	45	43	- 1	WNW	4	0	3	48	44	0.09	-
	Belmullet ...	30.18	49	W	4	0	30.17	- 1.06	46	44	- 1	WNW	3	0	*	50	46	0.03	-
	Donaghadee	30.04	49	WNW	4	0	30.07	+ 1.01	43	42	- 3	WNW	4	0	2	49	42	0.03	-
	Barrow-in-Farness	29.98	44	NW	5	7	29.99	+ 1.01	41	40	- 3	NW	2	6	*	48	40	0.02	-
	Liverpool (Bidston)	30.03	44	W	5	0	30.03	- 1.00	43	40	0	WNW	5	0	4	45	42	0.02	-
	Holyhead ...	30.08	47	WNW	4	0	30.07	- 1.04	45	42	0	NW	5	6	5	45	44	0.01	-
	Parsonstown ...	30.19	48	WNW	1	0	30.16	- 1.07	46	45	+ 2	2	0	0	*	50	43	0.02	-
	Valencia ...	30.31	48	NW	2	0	30.26	- 1.06	48	47	+ 1	WNW	3	0	2	51	46	0.03	-
FRANCE & NETHERLANDS.	Roche's Point...	30.23	49	NW	5	0	30.19	- 1.06	48	45	+ 3	NW	5	6	4	50	45	-	-
	Pembroke ...	30.15	47	WNW	3	0	30.13	- 1.05	46	46	+ 1	WNW	4	6	3	47	44	-	-
	Scilly ...	30.22	48	NW	5	0	30.20	- 1.04	47	47	0	NW	5	0	4	48	45	-	-
	Prawle Point ...	30.15	44	WNW	3	6	30.11	- 1.07	45	44	+ 2	WNW	5	0	3	47	40	-	-
	Jersey ...	30.14	47	NW	3	0	30.12	- 1.06	46	45	+ 1	NW	4	0	3	47	44	0.02	-
	Hurst Castle ...	30.05	45	WNW	4	0	30.03	- 1.07	46	45	+ 5	NW	4	0	1	48	40	0.02	-
	Dungeness ...	29.92	44	WNW	3	0	29.92	- 1.06	46	45	+ 5	NW	4	0	2	49	40	0.06	-
	London ...	29.99	47	W	3	6	29.97	- 1.05	47	45	+ 5	NW	2	0	*	50	40	0.04	-
	Oxford ...	30.04	46	NW	5	0	30.01	- 1.04	46	45	+ 3	NW	2	0	*	48	42	-	-
	Cambridge ...	29.95	45	N	2	0	29.95	- 1.01	46	44	+ 3	NW	2	0	*	53	42	0.07	-
PENINSULA.	Yarmouth ...	29.88	43	N	4	0	29.89	+ 1.01	43	42	0	N	3	0	4	47	40	0.24	-
	Cuxhaven ...	29.54	33	WNW	7	0	29.83	+ 1.28	32	31	- 7	N	2	0	*	?	30	-	-
	Berlin ...	29.36	34	WNW	2	5	29.66	+ 1.08	32	32	- 3	NW	3	0	*	39	32	0.20	-
	Wiesbaden ...	*	*	*	*	*	29.84	- 1.04	39	36	0	N	2	0	*	43	36	0.12	-
	Munich ...	29.67	32	SW	6	0	29.80	- 1.05	29	29	- 3	W	7	5	*	36	28	0.08	-
	The Helder ...	29.79	38	NW	4	6	29.82	+ 1.07	37	37	- 3	WSW	1	5	1	41	37	-	-
	Brussels ...	*	*	*	*	*	29.87	- 1.05	36	35	- 4	S	3	0	*	45	35	0.28	-
	Cape Gris Nez...	29.92	42	WNW	5	0	29.92	- 1.05	45	45	+ 4	N	5	5	4	46	41	0.08	-
	Paris ...	30.01	44	WNW	1	0	29.96	- 1.12	43	42	+ 2	NW	4	5	*	44	?	0.04	-
	Brest ...	30.24	45	WNW	5	0	30.27	- 1.01	46	45	+ 1	WNW	5	0	5	52	34	-	-

WEATHER CHARTS

for 8 a.m. on

Thursday, 9th February

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.

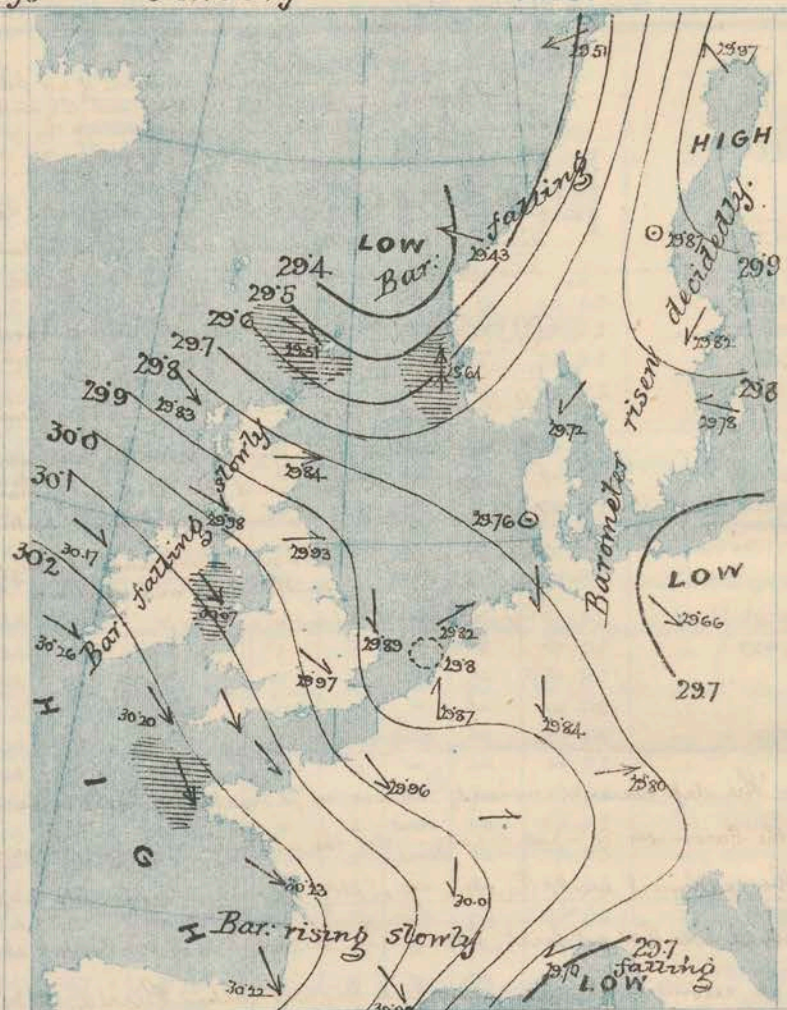
— Rough. — High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871 — 1885.

STATIONS.	MEAN READINGS
Sumburgh Head	29.713
Stornoway	29.700
Wick	29.737
Nairn	29.747
Aberdeen	29.780
Leith	29.808
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.805
Donaghadee	29.812
Holyhead	29.848
Liverpool	29.873
Parsonstown	29.834
Valencia	29.850
Roche's Point	29.850
Pembroke	29.875
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.938
Cambridge	29.935
Yarmouth	29.928



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

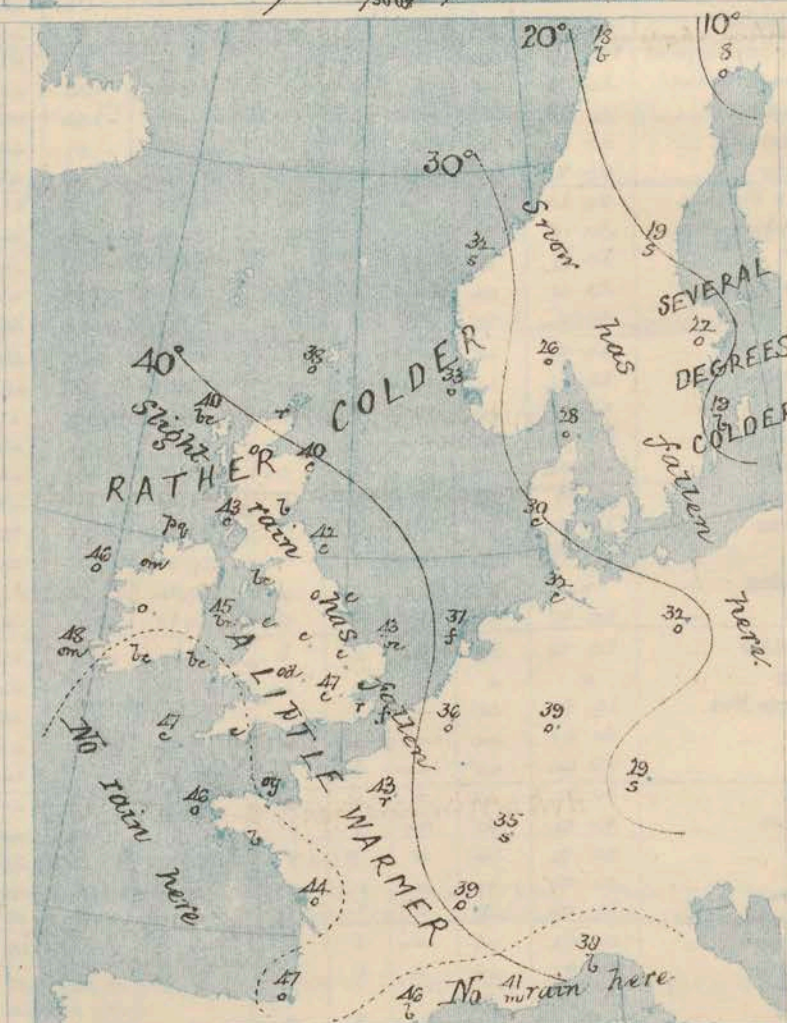
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of February.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min	Dry, at 8 a.m.	Wet.	
Sumburgh Head	42.6	34.7	38.7	37.7	3.20
Stornoway	43.5	34.7	39.3	38.2	3.97
Wick	43.4	33.5	38.4	37.0	2.02
Nairn	43.4	33.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.3	2.51
Leith	46.5	34.7	39.2	37.7	1.58
Shields	44.3	35.7	39.2	37.9	1.63
York	45.3	34.2	38.3	37.1	1.88
Loughborough	46.0	34.5	38.4	37.3	2.00
Ardrossan	45.0	36.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.90
Liverpool	45.3	36.9	39.9	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	5.29
Roche's Point	48.9	40.0	43.6	42.2	4.96
Pembroke	46.2	40.3	43.1	41.9	3.20
Scilly	49.7	43.7	46.9	45.3	2.98
Jersey	47.6	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.63
Dover	45.4	37.4	40.3	39.1	2.12
LONDON	46.9	36.0	39.7	38.6	1.89
Oxford	45.9	35.9	38.8	37.7	2.06
Cambridge	46.4	33.9	38.3	37.3	1.60
Yarmouth	43.5	35.2	38.9	38.2	2.02

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, 30.2 ins.: and more, in the southwest of our Islands, the west of France, and north of Spain.
 Lowest, 29.9 ins.: and less, over Finland and the northern part of the Gulf of Bothnia.
 Gradient moderate except in the south-east of France. Barometer rising decidedly in the far east, slightly in the south, falling slowly in northwest.

TEMPERATURE

Highest, 48° at Valencia and Hockley Point, 47° at Scilly, London, and Biarritz, 46° at Helmsdale, Pembroke, Dumfries and Berpington.
 Lowest, 8° to 22° at the Swedish stations and in Lapland, 25° at the Scars, 29° at Munich, 31° at Hilder, 35° at Munk, Mistraden and Lyons.
 It is still high for the time of year over the United Kingdom generally, and the air damp.

WIND

N.W. light to fresh over the British Isles and France — but blow a severe gale (the "Mistral") at Toulon.
 S. to E. fresh to gale in Norway, N. in Denmark and the south of Sweden.
 A S. breeze is reported locally at Brussels.
 [It blew a fresh gale from N.W. in Calhasso during the night, and a strong breeze over the north of Scotland generally.]

WEATHER

Cloudy over the British Islands generally, with rain at a few isolated stations.
 Fog prevails in Belgium and the northeast of France, snow at Belfast and Munich, and at some of the Scandinavian stations.
 Much snow fell over the southeast of Europe yesterday, and rain, in small quantity, at nearly all the British and Irish stations.

SEA

Rather rough in the extreme north and at Holyhead.
 Moderate on our southwestern and southern coasts generally.
 Light or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

- The depressions noticed in our neighbourhood appear to be passing away, so that at our northern, eastern, and southern stations the barometer is now rising. In the northwest and west, however, a slight fall has set in during the night. The anticyclone in the southwest will therefore probably move southwards and the wind back to W. or SW. over the United Kingdom, with fair mild weather, at first, and showers (in the west and northwest at all events) later.
- A second high pressure, which lay over Eastern Russia yesterday appears to be spreading westwards over the Baltic to the eastern shores of the North Sea.

FORECASTS

For the 24 hours ending at NOON on 10th FEBRUARY 1888.

DISTRICTS.

FORECASTS.

0 { SCOTLAND
NORTH

Wind backing to W or SW moderate;
fair to showery.

1 { SCOTLAND
EAST

W² breezes, moderate or light, fair, mild.

2 { ENGLAND
N.E.

----- D° ----- D° ----- D° -----

3 { ENGLAND
EAST

Same as N°5

4 { MIDLAND
COUNTIES

Same as N°5

5 { ENGLAND
SOUTH

NW¹ to W² winds, light, fair as a whole.

DISTRICTS.

FORECASTS.

6 { SCOTLAND
WEST

NW¹ to SW¹ winds, moderate; cloudy,
mild, some showers.

7 { ENGLAND
N.W.

Wind backing to W. and SW. moderate;
fair to showery, mild.

8 { ENGLAND
S.W.

----- D° ----- D° ----- D° -----

9 { IRELAND
NORTH

W¹ to SW¹ or S¹ breezes, moderate; fair
in the east, showery in the west.

10 { IRELAND
SOUTH

----- D° ----- D° ----- D° -----

WARNINGS

The signals have all 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 ...	29.65	37	36	NW 2	6	3	Holyhead ...	30.10	46	45	WNW 4	e	4
Gumburgh Head ...	29.73	38	36	2 0	0	3	Valencia ...	30.30	51	49	NW 3	0	3
Stornoway ...	29.81	48	48	SW 5	0	4	Scilly ...	30.22	48	47	WNW 6	0	5
Aberdeen ...	29.84	44	43	WNW 1	2	1	Dungeness ...	29.94	47	45	WNW 4	0	2
Shields ...	29.87	46	45	N 1	0	2	London ...	29.91	50	47	NW 3	0	*
Ardrossan ...	29.96	47	46	NW 5	0	3	Yarmouth ...	29.85	46	44	WNW 5	e q	4
Malin Head ...	30.04	47	46	W 3	0	3	Jersey ...	30.14	47	44	NW 3	0	3
Mullaghmore ...	30.15	48	47	WNW 5	f 2	4	Rochefort ...	30.25	46	44	NW 5	0	2
Belmullet ...	30.20	50	48	WNW 3	6c	*							

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

The reports for yesterday morning showed that pressure was still highest (30.3 ins: and upwards) over the Bay of Biscay and the extreme southwest of our islands, and somewhat high (30.1 ins: and upwards) over Central and Northern Russia. The lowest reading 29.2 ins: and less, were found in a well defined depression lying over the Kattegat, but a shallow disturbance was also lying over the Gulf of Genoa. The wind was NW^{ly} over the greater part of Western Europe, and, although moderate in force generally, blew strongly in the south of France and on the eastern shores of the North Sea. Over Russia and the Baltic, however, moderate SE^{ly} breezes were reported while in Spain the wind was light and very variable. Temperature had risen several degrees in Sweden and Northern Russia, and to a less extent in the north of our islands, but fallen a little elsewhere; readings ranged from 50° and upwards at several of the Algerian stations and 45° and upwards in many parts of Western and Southern Europe to 5° or less over Central Russia and the extreme north of Sweden. The highest individual readings were 55° at Algiers, 52° at Sfax, 51° at Sanguinaine and Biskra, 50° at La Galle and Malta, and 49° at Oran, Oporto, and Cagliari; the lowest were -3° F. at Riga, +2° at Moscow, 3° at Helsingfors, 5° at Haparanda, 6° at Odessa and Budapesth, 7° at Alfaborg, and 8° at Kuopio and Hangö.

In the course of the day the depression over the Kattegat travelled southeastwards towards Germany. A new disturbance appeared, however, off the north of Scotland, and strong W^{ly} winds were therefore experienced in the far north, with rain in many places.

The newspapers report that heavy snow fell all day at Vienna. At Constantinople a severe snowstorm which had commenced on Tuesday night continued during the earlier part of yesterday.

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 10th February 1888.

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

Issued by the Meteorological Office, No. 1, Victoria Street, London, W. 1.

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.		
			Direc.	Force. (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ..	29.97	3	S	2	0	29.93	- 0.4	3	3	- 5	E	2	0	*	10	1	0.08		
Hernösand ...	29.80	22	NE	2	S	29.80	- 0.7	22	22	+ 3	SE	2	S	*	23	18	0.04		
Stockholm ...	29.76	23	ESE	2	0	29.72	- 1.0	24	23	+ 2	ESE	2	S	*	25	18	-		
Wisby ...	29.81	23	E	2	0	29.75	- 0.3	21	20	+ 2	SSE	2	C	*	27	16	-		
Bodö ...	29.59	19	ESE	6	6	29.66	+ 1.5	18	16	0	ESE	5	6	3	23	16	-		
Christiansund...	29.32	32	ESE	4	6	29.45	+ 0.2	27	25	- 5	ESE	5	6	3	34	25	-		
Skudesnaes ...	29.47	33	NW	2	0	29.42	- 2.2	34	30	+ 1	WNW	1	0	4	36	33	-		
Christiania Fjord	29.56	32	S	5	S	29.41	- 3.4	29	28	+ 3	S	2	0	1	32	25	-		
(Fiorder)																			
Skagen (The Scaw)	29.58	30	SW	5	0	29.49	- 2.3	27	26	- 1	SW	2	6c	2	32	27	0.08		
Fanö ...	29.70	34	W	3	6	29.63	- 1.3	32	32	+ 2	WSW	2	6	*	36	30	0.04		
BRITISH ISLANDS.																			
Sumburgh Head	29.44	33	NW	5	ops	29.42	- 0.9	27	26	- 11	Z	0	C	2	39	24	0.08		
Stornoway ...	29.73	37	NW	4	C	29.50	- 3.3	31	31	- 9	NW	4	6c	3	44	29	0.28		
Wick ...	29.65	34	WNW	3	0	29.47	- 2.6	27	27	- 12	WNW	2	C	1	43	26	0.25		
Nairn ...	29.73	37	W	3	r	29.51	- 3.2	31	30	- 10	Z	0	C	1	45	30	0.16		
Aberdeen...	29.74	40	WNW	5	6	29.53	- 3.1	32	31	- 8	NW	2	sp	2	46	30	0.09		
Leith ...	29.84	38	W	4	6c	29.56	- 3.6	37	35	- 3	W	4	6	*	48	35	0.01		
Shields ...	29.88	44	W	1	0	29.62	- 3.1	40	38	- 2	SW	3	6c	2	47	37	-		
Spurn Head ...	29.96	42	W	2	C	29.76	- 1.7	40	39	- 2	WSW	3	6c	3	43	39	-		
York ...	29.45	44	SW	2	0	29.74	- 2.2	42	39	+ 1	W	4	0	*	48	39	-		
Loughborough	30.01	44	WNW	2	0	29.84	- 1.3	39	38	- 6	WSW	2	C	*	49	38	-		
Ardrossan ...	29.91	44	WNW	5	ogp	29.61	- 3.7	39	38	- 3	W	4	C	3	47	36	0.10		
Malin Head ...	29.98	42	WNW	3	ogp	29.67	- 3.8	39	37	- 4	NW	4	ogp	4	44	36	0.08		
Mullaghmore ...	30.07	44	W	5	cp	29.80	- 3.2	43	40	- 2	WNW	6	C	5	46	40	0.08		
Belmullet ...	30.10	46	WNW	3	0	29.86	- 3.1	43	39	+ 3	NW	6	0	*	48	43	-		
Donaghadee ...	30.01	44	WNW	4	C	29.73	- 3.4	40	38	- 3	W	4	6	2	47	38	-		
Barrow-in-Furness	29.99	42	SW	3	0	29.73	- 2.6	42	40	+ 1	SW	5	6c	*	45	40	-		
Liverpool (Bidston)	30.02	42	W	4	C	29.78	- 2.5	42	40	- 1	W	7	C	4	45	41	-		
Holyhead ...	30.06	44	WNW	3	C	29.84	- 2.3	43	41	- 2	WSW	4	C	4	48	42	-		
Parsonstown ...	30.12	46	Z	0	0	29.89	- 2.7	42	41	- 4	Z	0	C	*	49	40	0.02		
Valencia ...	30.19	49	WNW	2	rm	29.96	- 3.0	47	46	- 1	WNW	2	cp	2	51	46	0.17		
Roche's Point...	30.15	50	NW	4	C	29.93	- 2.6	45	44	- 3	WNW	2	6c	3	51	45	-		
Pembroke ...	30.12	46	W	3	0	29.92	- 2.1	45	45	- 6	W	3	C	2	47	44	0.01		
Scilly ...	30.18	48	NW	4	0	30.00	- 2.0	46	46	- 1	W	4	op	4	49	45	0.03		
Prawle Point ...	30.15	47	WNW	2	0	29.98	- 1.3	45	45	0	W	4	C	3	53	43	-		
Jersey ...	30.19	48	WNW	3	og	30.04	- 0.8	47	46	+ 1	WNW	3	ogpm	3	50	45	0.09		
Hurst Castle ...	30.07	45	NNE	2	C	29.95	- 0.8	42	42	- 4	W	2	6c	1	50	38	0.02		
Dungeness ...	30.00	46	WNW	3	C	29.89	- 0.3	41	40	- 5	WNW	3	0	2	50	35	0.02		
London ...	30.04	45	NW	2	0	29.90	- 0.7	41	40	- 6	W	2	C	*	46	39	-		
Oxford ...	30.05	42	WNW	2	0	29.89	- 1.2	39	38	- 7	W	2	C	*	46	39	0.02		
Cambridge ...	30.01	42	N	1	0	29.85	- 1.0	37	36	- 9	SW	1	C	*	48	34	-		
Yarmouth ...	29.96	43	WNW	2	C	29.82	- 0.7	39	37	- 4	WNW	2	6c	3	45	36	-		
Cuxhaven ...	29.83	33	SSW	3	f	29.75	- 0.8	35	35	+ 3	SW	3	f	*	35	?	-		
Berlin ...	29.84	32	NW	2	0	29.80	+ 1.4	33	32	+ 1	WSW	1	f	*	34	30	0.04		
Wiesbaden ...	*	*	*	*	*	29.95	+ 1.1	37	35	- 2	W	2	0	*	41	36	-		
Munich ...	29.93	30	W	3	0	29.96	+ 1.6	33	32	+ 4	W	5	S	*	36	28	0.04		
GERMANY.																			
The Helder ...	29.87	39	NW	1	C	29.78	- 0.4	38	37	+ 1	WSW	1	C	2	41	37	-		
Brussels ...	*	*	*	*	*	29.91	+ 0.4	40	38	+ 4	WSW	4	0	*	45	?	-		
Cape Gris Nez...	30.00	43	E	1	0	29.86	- 0.6	41	41	- 4	WNW	4	0	3	46	39	-		
Paris ...	30.05	44	WNW	3	C	30.03	+ 0.7	39	38	- 4	WSW	1	C	*	47	38	0.04		
Brest ...	30.27	45	NW	3	f	30.14	- 1.3	44	42	- 2	W	4	f	4	52	41	0.08		
Lorient ...	30.21	45	WNW	4	0	30.13	- 1.0	43	43	- 2	WSW	3	m	2	46	41	-		
Rochefort ...	30.23	46	NW	5	0	30.20	+ 0.3	44	43	0	W	3	m	2	47	39	-		
Belfort ...	29.97	34	W	1	0	30.02	- 0.7	36	35	+ 1	W	1	f	*	37	31	-		
Lyons ...	30.06	39	WNW	3	0	30.12	+ 1.1	40	39	+ 1	WNW	3	C	*	41	37	0.35		
Nice ...	29.77	47	E	1	6	29.93	+ 2.3	42	35	+ 4	ESE	1	6	1	52	37	-		
Perpignan ...	30.04	48	NW	6	6	30.11	+ 0.2	48	43	+ 2	WNW	4	6	*	53	47	-		
Biarritz ...	30.28	50	WNW	7	0	30.21	- 0.1	46	45	- 1	S	4	0	2	52	43	0.04		
FINANCE & NETHERLANDS.																			
Corunna ...	*	*	*	*	*														
Lisbon ...																			
PENIN. SULA.																			

For Explanation of Columns, see p. 4.

Received too late for insertion in Charts.

WEATHER CHARTS

for 8 a.m. on Friday, 10th February, 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.

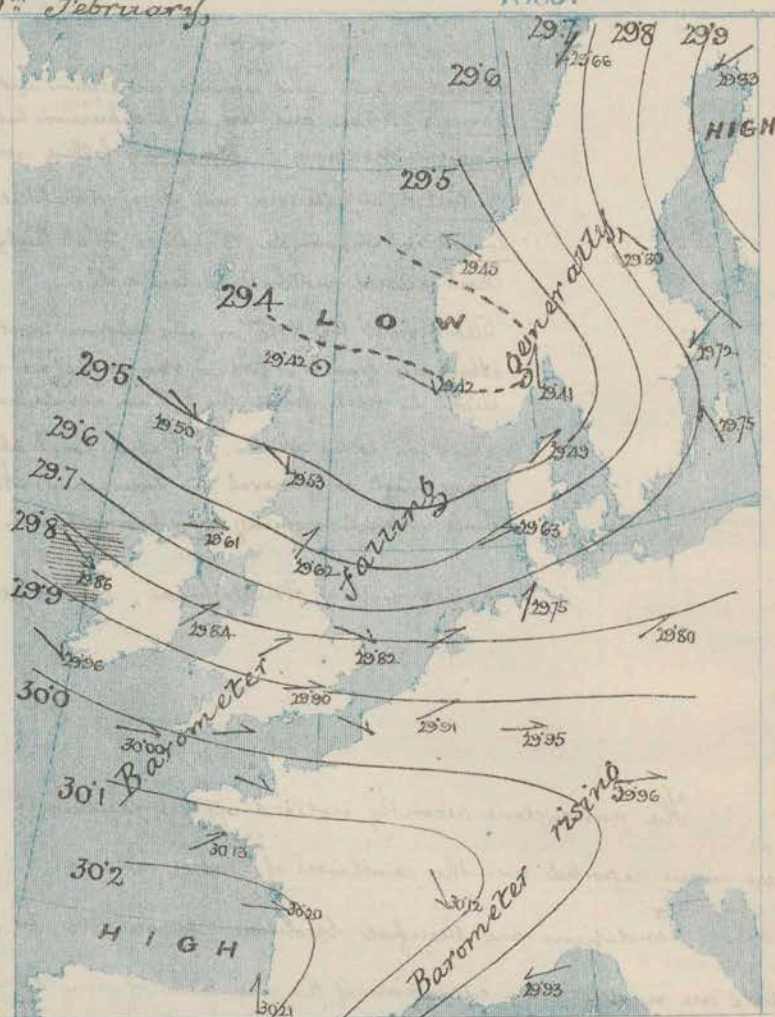
Sea Disturbance — where considerable, is shown thus.

— Rough — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.713
Stornoway	29.700
Wick	29.737
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.805
Donaghadee	29.812
Holyhead	29.848
Liverpool	29.873
Parsonstown	29.834
Valencia	29.850
Roche's Point	29.850
Pembroke	29.875
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.938
Cambridge	29.935
Yarmouth	29.928



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

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

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of February.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	42.6	34.7	38.7	37.7	3.29
Stornoway	43.5	34.7	39.3	38.2	3.97
Wick	43.4	33.5	38.4	37.0	2.02
Nairn	43.4	33.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	43.6	34.7	39.2	37.7	1.58
Shields	44.3	35.7	39.2	37.9	1.83
York	45.3	34.2	38.2	37.1	1.88
Loughborough	46.0	34.5	38.4	37.3	2.00
Ardrossan	45.0	36.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.90
Liverpool	45.3	38.9	39.9	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	5.29
Roche's Point	48.9	40.0	43.6	42.2	4.86
Pembroke	46.2	40.3	43.1	41.9	3.20
Scilly	49.7	43.7	46.9	45.3	2.98
Jersey	47.6	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.63
Dover	45.4	37.4	40.3	39.1	2.12
LONDON	46.0	36.0	39.7	38.6	1.89
Oxford	45.9	35.9	38.8	37.7	2.06
Cambridge	46.4	33.9	38.3	37.3	1.60
Yarmouth	43.5	35.2	38.9	38.2	2.02

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 Spain and the southern part of the Bay of Biscay.
Lowest, 29.4 ins: and less, in a depression lying over the southwest of Norway.
Gradient moderate. Barometer falling generally, — most in the west and north.

TEMPERATURE

Highest, 47° at Valencia and Jersey, 46° at Sicily and Biarritz and 45° at Rock Point, Pembroke, and Howland Point.
Lowest, 3° at Haparanda, 18° at Bodø, 21° at Nisby, 22° at Helsingfors, 24° at Stockholm, and 27° at Christiansund, Skagen, Loughborough, and Wick.
Frost occurred over Scotland last night.

WIND

Strong from the NWth on our extreme northwest coast.
Moderate from W. or SW. in other parts of our islands, as well as in Denmark, Germany and the north of France.
Light to fresh from the Eth in Scandinavia.

WEATHER

Fair in some places, but with local showers. Snow showers reported at Aberdeen.
Fog or mist is general in France and North Germany, and snow is falling in Sweden.
Since yesterday morning snow has fallen in the north and east of Scotland, and slight rain in many parts of Ireland and England.

SEA

Rather rough at Mullaghmore, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone recently noticed off our southwest coast has given way on its northern side and the highest pressures are now reported over the southwest of France.

Conditions are therefore becoming favourable for the advance of depressions from the westward, but at present there are no definite indications of the approach of any serious disturbance.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW th to W th winds, moderate; fair generally, but some cold showers.
1	SCOTLAND EAST	-----D°-----D°-----D°-----
2	ENGLAND N.E.	W th and SW th winds, light; fair generally, but some showers
3	ENGLAND EAST	-----D°-----D°-----D°-----
4	MIDLAND COUNTIES	-----D°-----D°-----D°-----
5	ENGLAND SOUTH	W th winds, light to fresh; changeable, some showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	W th winds, moderate; changeable, some showers
7	ENGLAND N.W.	W th to SW th winds, fresh; unsettled, showery.
8	ENGLAND S.W.	-----D°-----D°-----D°-----
9	IRELAND NORTH	NW th to SW th winds, fresh; squally, showery.
10	IRELAND SOUTH	Same as No. 7.

WARNINGS

NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.57	35	35	SSE 4	S	5	Holyhead ...	30.10	45	43	WtW 3	bc	3
Dumburgh Head ...	29.49	35	35	WtW 4	CS 10	5	Valencia ...	30.23	50	49	WtW 4	0	3
Stormoway ...	29.77	43	42	W 6	e	5	Scilly ...	30.20	49	47	W 5	e	4
Aberdeen ...	29.79	46	42	WtW 5	b	2	Dungeness ...	30.00	50	46	W 4	e	2
Shields ...	29.92	47	42	W 2	c	2	London ...	30.02	49	43	WtW 3	e	*
Ardrossan ...	29.96	44	42	WtW 5	c	4	Yarmouth ...	29.95	45	42	WtW 3	bc	4
Main Head ...	30.03	43	43	WtW 3	0	3	Jersey ...	30.14	50	48	NW 4	e	3
Mullaghmore ...	30.11	46	43	WtW 4	0	3	Rochefort ...	30.23	49	47	NW 5	e	2
Beilmullet ...	30.15	47	43	WtW 3	0	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that two high pressure areas were still prevalent, one (in which readings exceeded 30.2 ins.) being over the Atlantic, the Bay of Biscay, and our southwestern coasts, the other (in which readings were rather less high) lying over Northern Russia, and extending thence in a westerly direction to Sweden and the Gulf of Bothnia and in a S³ direction to Moscow. These two systems were separated by a broad band of relatively low readings extending from Norway and Scotland, over the North Sea, Germany, Austria, and Eastern France to the Mediterranean, Turkey, and the Black Sea. Several local minima were found in this band, but none of any great size or depth. Over Western Europe generally the wind was NW⁴, the weather cloudy, mild and somewhat showery, while in the north and east the wind was S⁴ to E⁴, the weather cold, somewhat unsettled, with snow in places. In the south of France there was a severe "Mistral," owing to the development of a local depression over the Gulf of Genoa, and snow was falling in Bavaria and Switzerland. Temperature was still high in the west, low in the east, and also over the Central parts of Spain. The lowest individual values were -7° at Humberstadt, -3° at Kiev, -1° at St. Petersburg, 0° at Archangel, +1° at Hangö, 3° at Riga, 6° at Memel, 8° at Haparanda, 19° at Nisby, 14° at Odessa and Moscow, 15° at Lemberg, 16° at Buda-Pesth, 19° at Mueby, 22° at Stockholm, 27° at Madrid and 29° at Munich. The highest were 54° at Algiers, 51° at Oporto, 50° at Barcelona, 47° at Cagliari, Palermo, Biarritz, Scilly, London.

There was not much change during the remainder of the day.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

DAILY WEATHER REPORT.

for Saturday 11th February 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.		
	Inch.	°					Inch.	Inch.	°	°	°				*	°	°	Inch.	
SCANDINAVIA.																			
Haparanda ..	29.93	2	Z	0	S		29.93	.00	-2	-2	-5	E	2	0	*	5	-4	0.04	
Hernösand ...	29.83	21	SSE	4	S		29.77	-.03	13	13	-9	NE	4	S	*	25	?	0.12	
Stockholm ...	29.65	28	E	2	S		29.52	-.20	31	30	+7	ESE	4	S	*	31	21	0.04	
Wisby ...	29.65	22	E	4	0		29.51	-.24	32	32	+11	SE	2	S	*	37	18	0.04	
Bodö ...	29.67	16	ENE	4	6		29.61	-.05	13	10	-5	ENE	5	6	3	19	12	-	
Christiansund...	29.49	26	E	1	6		29.43	-.02	25	23	-2	E	4	6	3	28	23	-	
Skudesnaes ...	29.35	32	ESE	6	6c		29.28	-.14	31	29	-3	ENE	4	S	5	36	?	-	
Christiania Fjord (Færder)	29.45	29	N	3	0		29.24	-.17	28	28	-1	NE	7	S	4	29	25	-	
Skagen (The Scaw)	29.32	31	SSW	6	0		29.18	-.31	32	32	+5	SSW	2	0	2	34	25	0.08	
Fanö ...	29.37	34	ENE	6	6		29.34	-.29	32	32	0	W	4	6	*	36	32	0.04	
BRITISH ISLANDS.																			
Sumburgh Head	29.46	31	N	3	0		29.34	-.08	31	30	+4	N	1	6c	2	34	25	0.21	
Stornoway ...	29.52	28	Z	0	S		29.46	-.04	25	25	-6	Z	0	6c	2	34	21	0.17	
Wick ...	29.49	29	NW	1	6c		29.37	-.10	29	29	+2	NW	2	S	1	30	24	0.30	
Nairn ...	29.53	30	Z	0	6		29.44	-.07	25	25	-6	W	1	6	1	35	23	-	
Aberdeen...	29.52	31	NW	4	6		29.40	-.13	27	26	-5	NW	2	6	1	36	24	-	
Leith ...	29.57	37	W	3	6		29.44	-.12	33	32	-4	W	1	em	*	41	31	-	
Shields ...	29.59	35	W	2	6		29.45	-.17	32	31	-8	WSW	1	C	2	42	31	0.01	
Spurn Head ...	29.62	39	WNW	4	6c		29.52	-.24	35	33	-5	WNW	5	6c	3	43	33	0.04	
York ...	29.64	38	NW	2	C		29.51	-.23	33	32	-9	SW	2	6	*	43	31	-	
Loughborough	29.69	42	W	2	C		29.61	-.23	33	31	-6	WSW	3	6	*	43	32	-	
GERMANY.																			
Ardrossan ...	29.60	37	W	4	C		29.45	-.16	32	32	-7	NW	2	bsp	2	42	31	0.07	
Malin Head ...	29.63	38	NW	5	6c/p		29.47	-.20	33	32	-6	WNW	1	chp	3	39	33	0.03	
Mullaghmore ...	29.73	39	WNW	6	C		29.54	-.26	35	34	-8	SSW	4	ogp	3	44	34	0.22	
Belmullet ...	29.72	37	NW	5	6hp		29.56	-.30	35	34	-8	NE	1	oshp	*	45	34	0.14	
Donaghadee ...	29.69	33	W	4	6		29.51	-.22	30	30	-10	W	4	6	2	40	30	0.04	
FRANCE & NETHERLANDS.																			
Barrow-in-Furness	29.66	35	NW	3	C		29.50	-.23	37	35	-5	W	5	C	*	42	34	0.10	
Liverpool (Bidston)	29.70	35	NW	3	r		29.55	-.23	35	33	-7	W	5	6	4	45	34	0.11	
Holyhead ...	29.72	39	WNW	5	C/p		29.58	-.26	38	35	-5	WSW	4	C	4	47	37	0.01	
Parsonstown ...	29.81	38	Z	0	C		29.61	-.28	35	34	-7	Z	0	C	*	46	32	-	
Valencia ...	29.87	42	WNW	3	6		29.66	-.30	40	38	-7	WNW	2	Cp	2	48	40	0.13	
ROEY.																			
Roche's Point...	29.82	45	WNW	2	6		29.66	-.27	40	38	-5	NW	3	6c	3	47	38	-	
Pembroke ...	29.78	44	W	3	6c		29.64	-.28	42	41	-3	W	2	Cp	2	46	40	0.08	
Scilly ...	29.84	47	W	5	Op		29.68	-.32	46	46	0	WSW	5	Op	4	49	43	0.06	
Prawle Point ...	29.81	45	W	4	r		29.71	-.27	42	41	-3	W	3	p	3	46	38	0.05	
Jersey ...	29.88	46	WNW	4	Op		29.77	-.27	41	40	-6	WNW	2	em	2	47	40	0.09	
NETHERLANDS.																			
Hurst Castle ...	29.76	42	WSW	5	C		29.70	-.25	40	39	-2	SW	3	C	1	45	36	0.02	
Dungeness ...	29.73	43	W	4	r		29.69	-.20	37	35	-4	WNW	4	C	3	48	35	0.08	
London ...	29.72	44	W	2	OT		29.68	-.22	35	34	-6	SW	2	C	*	49	34	0.06	
Oxford ...	29.73	39	W	2	6		29.65	-.24	34	33	-5	SW	3	6	*	46	33	0.17	
Cambridge ...	29.68	42	W	1	0		29.62	-.23	31	30	-6	SW	1	6	*	49	31	-	
GERMANY.																			
Yarmouth ...	29.64	43	W	3	C		29.61	-.21	33	32	-6	WSW	3	6	3	44	30	-	
Cuxhaven ...	29.65	34	WSW	2	C		29.43	-.32	32	32	-3	WSW	3	6	*	37	31	-	
Berlin ...	29.71	34	WSW	3	0		29.53	-.27	35	34	+2	WSW	2	S	*	36	?	0.14	
Wiesbaden ...	*	*	*	*	*		29.69	-.26	40	38	+3	NW	2	0	*	41	37	0.04	
Munich ...	29.90	33	SW	2	S		29.79	-.27	37	35	+4	SW	4	0	*	37	32	0.24	
FRANCE & NETHERLANDS.																			
The Helder ...	29.55	40	SW	4	6c		29.54	-.24	36	34	-2	WNW	4	C	3	41	36	-	
Brussels ...	*	*	*	*	*		29.68	-.25	37	37	-3	SW	4	C	*	45	37	0.39	
Cape Gris Nez...	29.75	42	NW	5	0		29.70	-.16	38	37	-3	WNW	5	C	4	45	37	0.16	
Paris ...	29.89	46	SW	1	0		29.79	-.24	42	41	+3	SW	4	0	*	47	?	0.04	
Brest ...	29.90	45	WNW	4	5		29.84	-.30	45	43	+1	WNW	4	0	3	52	41	-	
NETHERLANDS.																			
Lorient ...	29.99	45	W	4	0		29.86	-.27	45	44	+2	WSW	3	6c	2	46	41	-	
Rochefort ...	30.07	46	SW	4	0		29.97	-.23	44	43	0	SW	3	0	2	50	39	0.04	
Belfort ...	29.89	38	W	1	C		29.86	-.16	38	37	+2	W	1	0	*	41	38	0.12	
Lyons ...	30.05	42	N	1	r		29.95	-.17	39	37	-1	S	1	0	*	46	38	-	
Nice ...	29.94	45	SSE	1	6		29.95	+0.02	41	39	-1	ENE	3	6	1	52	36	-	
FRANCE & NETHERLANDS.																			
Perpignan ...	30.03	48	N	3	6		29.98	-.13	38	37	-10	NW	1	0	*	57	36	-	
Biarritz ...	30.01	49	E	3	6		29.97	-.24	46	43	0	SSW	3	0	0	52	41	-	
PENIN- SULA.																			
Corunna ...	*	*	*	*	*		*	*	*	*	*	*	*	*	*	*	*	*	
Lisbon ...	30.06	52	W	3	6		30.00	-.15	45	45	+2	WNW	3	C	2	59	?	-	

For Explanation of Columns, see p. 4.

† Received too late for insertion in charts.

WEATHER CHARTS

for 8 a.m. on Saturday, 14th February, 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.

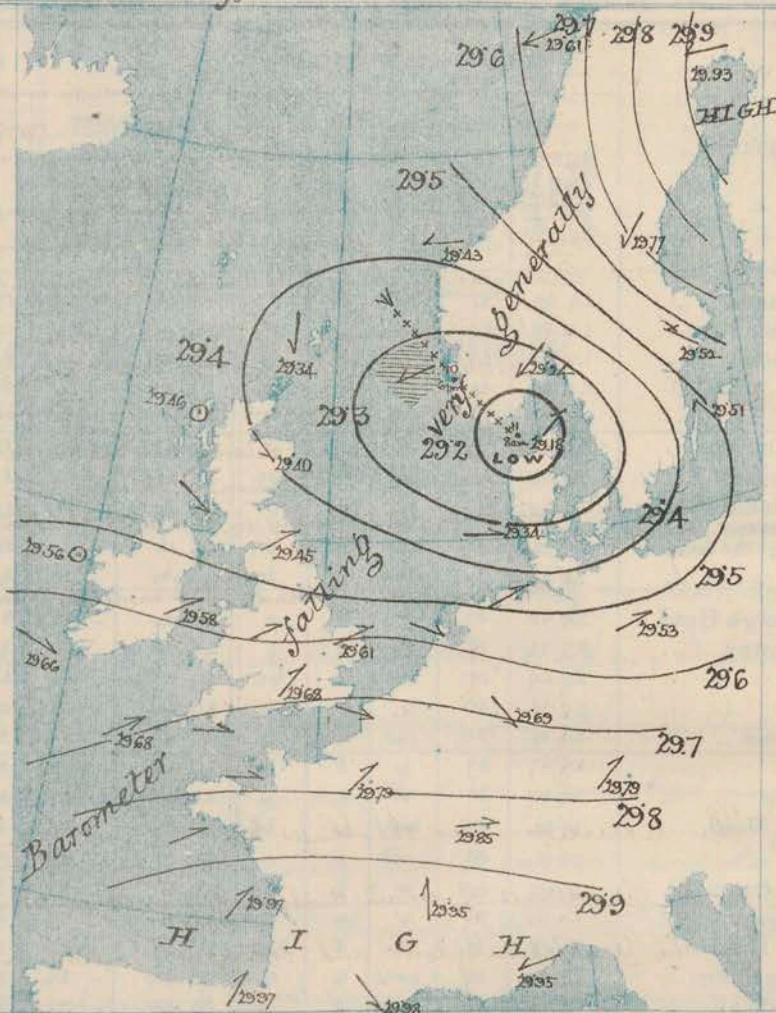
Sea Disturbance — where considerable is shown thus.

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.713
Stornoway	29.700
Wick	29.737
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.805
Donaghadee	29.813
Holyhead	29.848
Liverpool	29.873
Parsonstown	29.884
Valencia	29.850
Roche's Point	29.850
Pembroke	29.875
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.938
Cambridge	29.935
Yarmouth	29.928



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

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

Weather is shown by Letters of the Beaufort Scale.

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

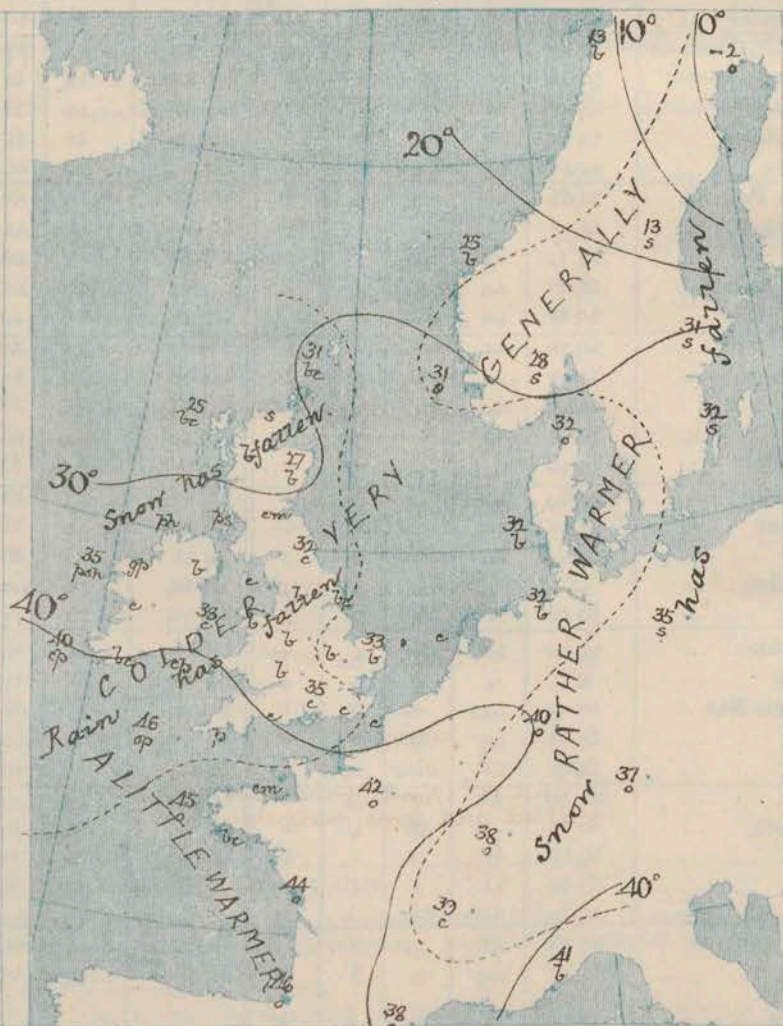
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of February.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.6	34.7	38.7	37.7	3.39
Stornoway	43.5	34.7	39.3	38.2	3.97
Wick	43.4	33.5	38.4	37.0	2.02
Nairn	43.4	33.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	46.6	34.7	39.2	37.7	1.58
Shields	44.3	35.7	39.2	37.9	1.63
York	45.3	34.2	38.2	37.1	1.88
Loughborough	46.0	34.5	38.4	37.3	2.00
Ardrossan	45.0	36.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.90
Liverpool	45.3	38.9	39.9	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	5.29
Roche's Point	48.9	40.0	43.6	42.2	4.86
Pembroke	46.2	40.3	43.1	41.9	3.20
Scilly	49.7	43.7	46.9	45.3	2.98
Jersey	47.6	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.63
Dover	45.4	37.4	40.3	39.1	2.12
LONDON	46.9	36.0	39.7	38.6	1.89
Oxford	45.9	35.9	38.3	37.7	2.06
Cambridge	46.4	33.9	38.3	37.3	1.60
Yarmouth	43.5	35.2	38.9	38.2	2.02

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 Spain and the south of France, and also in the extreme north of Sweden.
Lowest, 29.2 ins. and less, in a small depression lying over the Skager Rack.
Gradients moderate. Barometer falling generally, most in the extreme west and south-west.

TEMPERATURE

Highest, 46° at Sillby and Rinnitz, 45° at Hest, Lorient and Lisbon, 44° at Rochefort, and 42° at Brest, Poulle Point and Jersey.
Lowest, -2° F. at Haparanda, +13° at Bodø and Hemisand, 25° at Christiansund, Tromsø, and Narvik, and 27° at Aberdeen.
Frost occurred generally last night; in the north of Scotland the thermometer fell below 32°.

WIND

Light NW² in Scotland and the south of Ireland.
Moderate W² or SW² in other parts of our Islands, as well as in Denmark, Germany, and France.
SE in the south of Sweden, E or NE in Norway and the north of Sweden.

WEATHER

Fine in the east of our Islands, but showery in the west; snow reported at Mirk.
Dull at most of the Continental stations, with snow in Sweden and the south of Norway, as well as at Berlin.
Heavy snow fell yesterday in the north of Scotland, and smaller amounts over our northern districts generally.

SEA

Rather rough at Skudsmo, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the Skager Rack is not likely to alter its position much, but there are some indications of the advance of small disturbances towards our northwest and southwest coasts. These latter will probably advance over the United Kingdom and occasion showers in most districts.

FORECASTS

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

DISTRICTS.



FORECASTS.

0	SCOTLAND NORTH	NW ² to Variable breezes; changeable, some snow showers.
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	SW ² and W ² winds, moderate; fair to unsettled and some cold showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No 0.
7	ENGLAND N.W.	W ² winds, fresh or strong; changeable, some cold showers.
8	ENGLAND S.W.	-----D°-----D°-----D°-----
9	IRELAND NORTH	SW ² to NW ² winds, moderate or fresh; changeable, some cold showers.
10	IRELAND SOUTH	-----D°-----D°-----D°-----
WARNINGS		NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.38	36	33	SSE 6	0	4	Holyhead ...	29.75	45	41	W 5	c	4
Samburgh Head ...	29.43	33	32	N 3	c sph	3	Valencia ...	29.90	48	45	NW 3	c m p	3
Stornoway ...	29.53	34	32	25 0	b	2	Scilly ...	29.90	48	47	WNW 5	0	5
Aberdeen ...	29.51	36	33	NW 5	b	2	Dungeness ...	29.81	45	43	W 4	0	3
Shields ...	29.58	41	37	W 4	bc	2	London ...	29.78	49	45	WSW 3	0	*
Ardrossan ...	29.63	40	38	W 4	b	3	Yarmouth ...	29.71	44	41	W 4	bc	3
Malin Head ...	29.66	39	35	NW 5	b	4	Jersey ...	29.96	46	45	W 4	0	4
Mullaghmore ...	29.77	38	36	NW 6	cyp	5	Rocheport ...	30.44	49	45	WSW 4	a	2
Belmullet ...	29.82	41	38	NW 4	bc	*							

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

Yesterday morning's reports showed that the high pressure area over the Bay of Biscay and our south-west coasts was moving southwards and decreasing in intensity; that over Northern Europe also was decreasing in intensity, but was apparently stationary, while some of the local depressions noticed on Thursday in the low-pressure band which separated the two anticyclonic systems had disappeared. The winds over Western Europe had become rather more W^{ly} than on the 3rd, and were accompanied by a continuation of slightly showery weather, but by rather lower temperatures than of late. Over Northern Europe the wind was E^{ly} and SE^{ly}, and both over these regions and Central Europe snow was falling in several localities. Temperature remained low over Russia, Central and South-eastern Europe and Central Spain, in all of which regions frost prevailed. Even over the Mediterranean there was very little tendency to warmer weather than that experienced of late. The lowest individual 8 a.m. values reported were -10° at St Petersburg, 0° at Helingsfors, +1° at Uleaborg, Kuopio, and Riga, 3° at Haparanda, 6° at Himmastadt, 8° at Archangel and Nicolaiiff, 10° at Odessa, 12° at Moscow, 14° at Budapesth, 19° at Kharkov and Memel, 22° at Turin, 23° at Lemberg ~~and~~ 26° at Warsaw, and 29° at Madrid; the highest were 55° at Sfax (Algeria), 54° at Palma, 52° at Malta and Barcelona, 51° at Oporto, 47° at Valencia and Jersey and 46° at Scilly.

During the day the barometer fell decidedly over the whole of Western Europe, and a new depression was developed slowly over the south of Norway.

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 12th February. 1888.

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

Issued by the Meteorological Office, 16, Victoria Street, London, W. H. SCOTT, Secretary.																			
STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																			
Haparanda ..	29.87	2	SE	2	S	29.73	— .20	1	1	2	0	S	*	5	—4	—			
Hernösand ...	29.75	4	NE	4	S	29.68	— .09	3	2	NE	6	S	*	23	3	0.04			
Stockholm ...	29.39	27	E	6	S	29.40	— .12	29	28	S	2	C	*	32	19	0.20			
Wisby ...	29.40	27	W	4	bc	29.40	— .11	31	30	SSW	4	S	*	48	25	0.28			
Bodö ...	29.59	17	ENE	4	b	29.54	— .07	14	12	ENE	5	b	3	19	—6	—			
Christiansund...	29.34	24	ESE	2	b	29.30	— .13	26	23	ESE	4	b	3	28	21	—			
Skudesnaes ...	29.22	30	ESE	2	C	29.24	— .04	31	30	ENE	2	O	3	?	?	—			
Christiania Fjord (Fjorder)	29.20	32	E	3	b	29.22	— .02	26	25	NE	6	S	3	34	23	—			
Skagen (The Scaw)	29.20	30	SW	3	O	29.20	— .02	30	29	SW	1	O	1	32	28	0.04			
Fanö ...	29.30	33	W	4	S	29.23	— .11	31	31	W	3	cap	*	36	30	0.04			
BRITISH ISLANDS.																			
Sumburgh Head	29.29	34	NNE	1	O	29.26	— .08	30	29	NNE	3	O	3	36	28	0.01			
Stornoway ...	29.26	33	N	4	C	29.31	— .15	31	31	2	0	C	2	34	23	0.05			
Wick ...	29.32	26	NW	1	bc	29.32	— .05	19	19	NW	1	bc	1	32	16	0.02			
Nairn ...	29.24	33	WNW	1	C	29.32	— .12	27	26	SW	2	b	1	34	24	—			
Aberdeen...	29.30	33	NW	2	S	29.33	— .07	26	24	WNW	1	b	1	35	25	0.11			
Leith ...	29.35	32	W	1	b	29.35	— .09	27	26	W	1	bm	*	41	26	—			
Shields ...	29.36	33	WSW	2	b	29.37	— .08	25	25	W	2	b	2	39	24	—			
Spurn Head ...	29.39	37	WSW	3	bc	29.40	— .12	31	31	W	4	bc	3	40	30	—			
York ...	29.39	36	NNW	2	C	29.42	— .09	27	26	W	1	b	*	42	24	—			
Loughborough	29.45	36	WSW	1	C	29.46	— .15	31	30	W	1	O	*	42	30	—			
Ardrossan ...	29.37	34	NW	2	b	29.38	— .07	29	29	E	1	bf	1	38	26	—			
Malin Head ...	29.42	26	N	3	bc	29.40	— .07	36	35	N	2	okp	3	38	33	0.07			
Mullaghmore ...	29.46	32	SSW	2	b	29.45	— .09	35	34	W	3	C	2	37	31	0.06			
Belmullet ...	29.49	35	SW	3	cap	29.49	— .07	34	33	NNW	2	osp	*	37	31	0.10			
Donaghadee ...	29.41	34	NW	3	b	29.42	— .09	30	30	W	3	b	1	39	29	—			
Barrow-in-Furness	29.38	35	W	3	O	29.41	— .09	30	30	E	1	bps	*	41	26	0.02			
Liverpool (Bidston)	29.41	35	W	2	C	29.44	— .11	32	31	SW	2	C	3	40	30	0.32			
Holyhead ...	29.42	38	WNW	4	ct	29.46	— .12	35	34	WNW	4	C	4	44	35	0.01			
Parsonstown ...	29.49	33	2	O	bc	29.52	— .09	27	27	2	O	bc	*	44	24	0.04			
Valencia ...	29.54	38	W	2	Chp	29.59	— .07	33	32	2	O	bc	2	46	31	0.03			
Roche's Point...	29.51	40	NW	3	b	29.54	— .12	32	31	N	3	b	3	41	31	—			
Pembroke ...	29.48	41	WNW	3	bc	29.52	— .12	34	33	NW	2	b	2	43	33	0.04			
Scilly ...	29.55	44	WNW	4	op	29.52	— .16	41	40	NW	3	cp	4	48	38	0.20			
Prawle Point ...	29.52	42	W	4	r	29.53	— .18	37	36	NNW	1	og	1	46	34	0.37			
Jersey ...	29.61	48	W	5	ogw	29.54	— .23	43	42	WNW	4	omw	4	49	40	0.26			
Hurst Castle ...	29.51	40	WSW	3	bc	29.52	— .18	35	35	NW	2	b	1	43	33	0.20			
Dungeness ...	29.46	42	W	3	r	29.47	— .22	33	33	W	3	bc	3	46	33	0.20			
London ...	29.47	37	W	2	O	29.50	— .18	32	31	NNW	2	*	*	43	32	0.18			
Oxford ...	29.47	37	W	2	O	29.50	— .15	30	29	W	1	bm	*	43	32	0.11			
Cambridge ...	29.44	35	W	1	C	29.49	— .15	30	30	W	1	O	*	42	27	0.01			
Yarmouth ...	29.45	39	WSW	4	C	29.42	— .19	33	32	WNW	3	cm	3	40	30	—			
Cuxhaven ...	29.50	32	WSW	3	S	29.30	— .13	34	34	WNW	3	O	*	35	32	—			
Berlin ...	29.62	33	WSW	2	O	29.43	— .10	37	35	SSW	4	O	*	39	28	0.08			
Wiesbaden ...	*	*	*	*	*	29.54	— .15	42	40	SW	4	r	*	46	37	0.04			
Munich ...	29.80	36	W	2	b	29.75	— .04	30	28	SW	2	bc	*	41	28	—			
FRANCE & NETHERLANDS.																			
The Helder ...	29.42	38	SW	3	r	29.38	— .16	36	35	O	W	3	C	2	39	36	0.04		
Brussels ...	*	*	*	*	*	29.52	— .16	37	?	O	WSW	3	O	*	43	36	0.47		
Cape Gris Nez...	29.49	41	SW	8	r	29.49	— .21	39	37	WNW	5	bc	4	45	37	0.39			
Paris ...	29.71	43	SW	3	r	29.61	— .18	40	39	NNW	3	r	*	45	39	0.20			
Brest ...	29.70	46	WNW	5	r	29.59	— .25	45	43	O	WNW	4	r	5	43	43	0.24		
Lorient ...	29.71	46	WSW	2	O	29.56	— .28	42	42	SW	4	*	4	48	41	0.35			
Rochefort ...	29.89	46	WSW	4	bc	29.76	— .21	45	45	SW	5	O	2	52	39	—			
Belfort ...	29.84	40	W	1	O	29.73	— .13	40	39	W	3	C	*	44	34	—			
Lyons ...	29.87	44	S	3	b	29.83	— .12	38	36	S	3	bc	*	52	34	—			
Nice ...	29.88	45	E	1	b	29.94	— .01	43	39	ENE	1	C	1	32	36	—			
Perpignan ...	29.89	45	2	O	bc	29.86	— .12	43	42	2	O	O	*	50	37	—			
Biarritz ...	29.89	49	NNE	1	bc	29.79	— .18	45	43	SSE	4	O	1	54	41	—			
Corunna ...	*	*	*	*	*	29.82	— .16	47	46	SW	4	bc	4	54	41	—			
Lisbon ...	29.94	53	SW	1	O	29.91	— .09	49	48	S	1	b	2	55	?	0.04			
PENINSULA.																			

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Sunday 12th February

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.

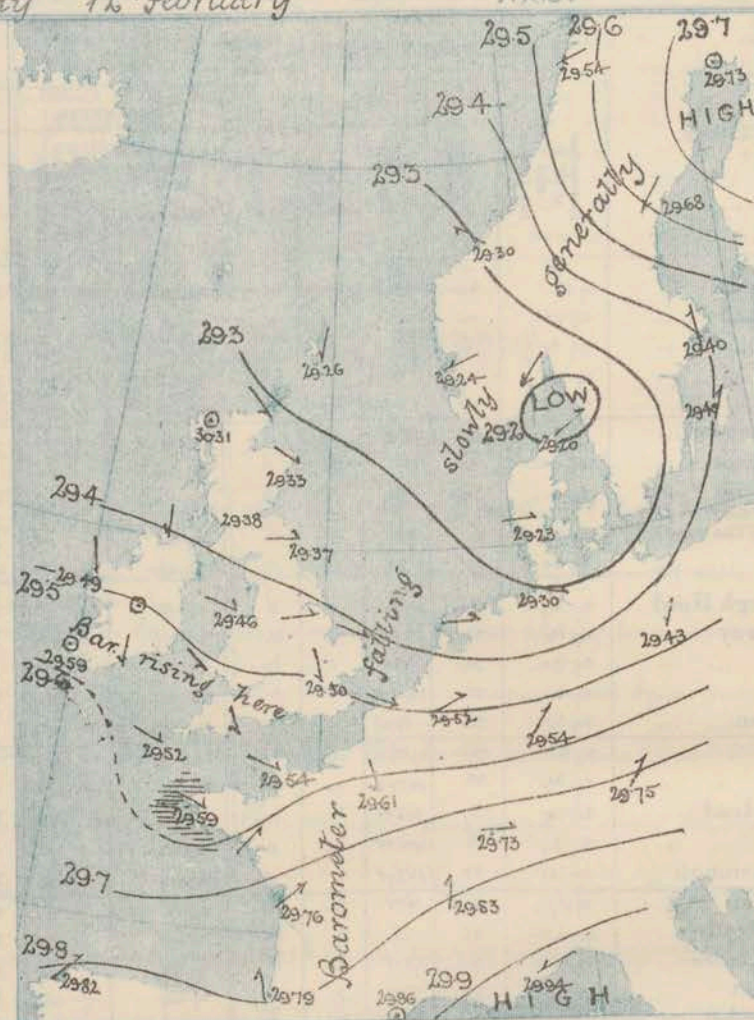
Sea Disturbance — where considerable is shown thus.

— Rough — High

MEAN HEIGHT OF THE BAROMETER

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

STATIONS	MEAN READINGS.
Sumburgh Head	29.718
Stornoway	29.700
Wick	29.737
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.905
Donaghadee	29.812
Holyhead	29.848
Liverpool	29.878
Parsonstown	29.834
Valencia	29.850
Rocha's Point	29.850
Pembroke	29.875
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.938
Cambridge	29.935
Yarmouth	29.928



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

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

Weather — is shown by Letters of the Beaufort Scale.

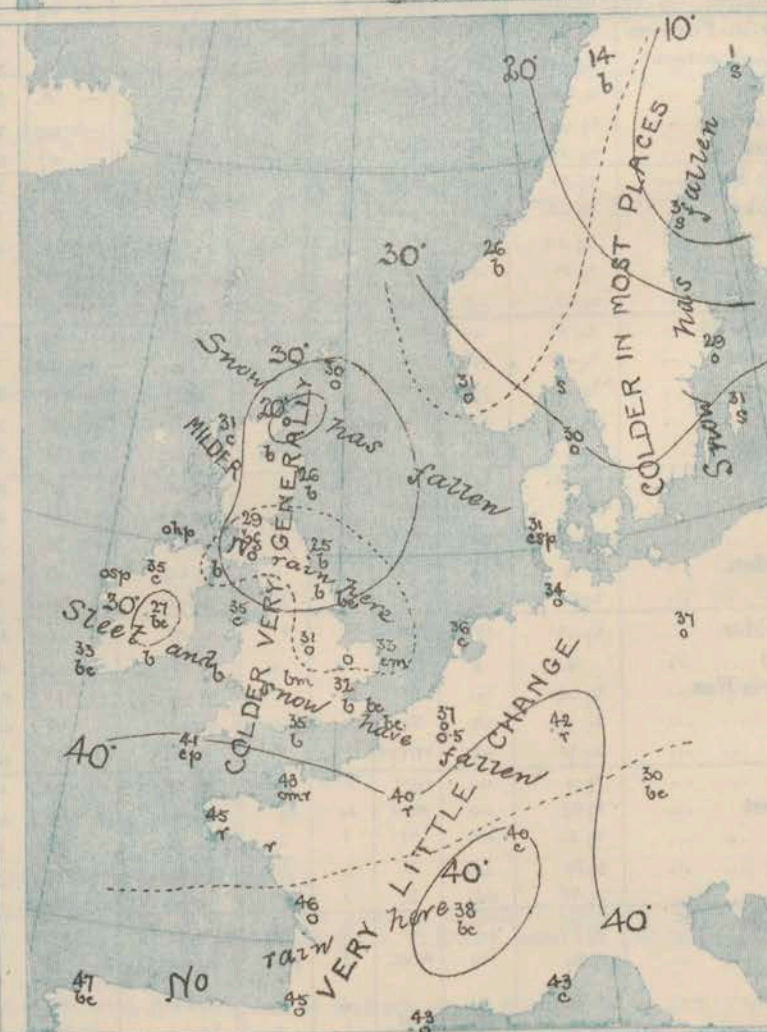
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of February.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	42.6	34.7	38.7	37.7	3.29
Stornoway	43.5	34.7	39.3	38.2	3.97
Wick	43.4	33.6	38.4	37.0	2.02
Nairn	43.4	33.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	44.6	34.7	39.2	37.7	1.68
Shields	44.3	35.7	39.2	37.9	1.63
York	45.3	34.2	38.2	37.1	1.88
Loughborough	46.0	34.5	38.4	37.3	2.00
Ardrossan	46.0	36.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.90
Liverpool	45.3	36.9	39.9	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	5.29
Rocha's Point	48.9	40.0	43.6	42.2	4.86
Pembroke	46.2	40.3	43.1	41.9	3.30
Scilly	49.7	43.7	46.9	45.3	2.98
Jersey	47.6	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.63
Dover	45.4	37.4	40.3	39.1	2.12
LONDON	46.3	36.0	39.7	38.6	1.89
Oxford	45.9	35.9	38.8	37.7	2.46
Cambridge	46.4	33.9	38.3	37.3	1.60
Yarmouth	43.5	35.2	38.9	38.2	2.62

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.9 in: and upwards, over the south of Spain and the extreme south of France; 29.7 in: and upwards over the Gulf of Bothnia.
Lowest, 29.2 in: at Hagen; 29.3 in: and less, in a large area extending from the Shetlands and west of Norway to Denmark and thence of Sweden.
Gradients slight. Barometer falling in France and Germany and also in the north of Scandinavia, but rising elsewhere.

TEMPERATURE

Highest, 43° at Lisbon, 47° at Corunna, 46° at Rochefort, 45° at Brest and Biarritz, and 43° at Jersey, Lorient, Perpignan and Nice.
Lowest, 1° at Haparanda, 3° at Hernösand, 14° at Borö, 13° at Niek, 15° at Shields, and 16° at Christiansund, Londen and Aberdeen.

Sharp ground frost occurred generally last night, especially in the north of Scotland; at Niek the sheltered thermometer fell to 10°.

WIND

Light W ^{or NW} over the greater part of our Islands, and also in the Netherlands and south of Denmark.
Moderate SW ^{or S} over Western and Central France and also in Germany.
E ^{or NE} in Scandinavia; strong in force at Hernösand and Londen.

WEATHER

Fine over the greater part of our Islands and also in Spain and the north of Norway.
Cloudy, over overcast elsewhere, with snow in Sweden and the south of Norway and rain in the north of France.
Rain or sleet fell somewhat heavily yesterday over the south of England.

SEA

Rather rough at Brest, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the Skager Rack is filling up, but a small depression has appeared over the western part of the Channel and is apparently moving eastwards. The general conditions remain unsettled.

FORECASTS

for the 24 hours ending at NOON on 13th February, 1888.

DISTRICTS.

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

FORECASTS.

None Issued

DISTRICTS.

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

WARNINGS

FORECASTS.

None Issued

None Issued

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.23	31	31	Z	0	0	4	Holyhead ...	29.48	42	38	W	3	bc	3
Sumburgh Head ...	29.31	34	33	N	2	c	2	Valencia ...	29.58	44	40	NW	3	bc	3
Stornoway ...	29.41	33	32	N	3	c	2	Scilly ...	29.59	47	46	W	5	o	4
Aberdeen ...	29.33	35	32	NW	3	bc	1	Dungeness ...	29.60	45	42	W	5	c	4
Shields ...	29.39	38	35	WSW	2	c	2	London ...	29.57	40	38	SSW	3	ors	*
Ardrossan ...	29.41	36	34	NW	3	b	2	Yarmouth ...	29.51	40	38	W	4	c	3
Malin Head ...	29.45	35	33	NNE	1	b	4	Jersey ...	29.67	48	45	WSW	3	c	3
Mullaghmore ...	29.48	35	34	SSW	2	cp	2	Rocheport ...	29.93	51	48	W	4	bc	2
Belmullet ...	29.50	35	34	SSW	2	c	*								

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 ins: and upwards) were reported over Eastern Algeria readings were relatively high not only over the whole of the Mediterranean and Southern Europe, but also in another area lying over Northern Russia. The lowest pressures (29.2 ins: and less) were found in a well defined depression lying over the Skagerrack, but shallow disturbances were also advancing towards the extreme northwest and southeast coasts of our islands. Varying W^{ly} breezes were reported over the United Kingdom and SW^{ly} breezes over France and Germany. Over Austria, Russia, and the Baltic, however, the wind was chiefly SE^{ly}, while in Scandinavia it varied between E. and NE. The weather was fine in the east of our islands as well as in Algeria and the extreme south of France, but cloudy or overcast elsewhere, with snow in Sweden and the south of Norway, as well as at Berlin, Moscow and Warsaw. Temperature had risen a little in Germany and also in the west of France, but fallen elsewhere; readings ranged from 50° and upwards at some of the Algerian stations, and 45° and upwards over Southern and Southwestern Europe generally to a few degrees below zero over Finland and Northern Russia. The highest individual readings were, 56° at Algiers, 51° at Langunsaire, 50° at Biskra and Barcelona, and 49° at Cagliari and Cherru; the lowest were -13° F. at Archangel, -8° at Helsinki, -4° at Kespjö and St Petersburg, -2° at Haparanda, -1° at Hanjo, +7° at Kiev and 8° at Nicolaiiff.

In the course of the day the depression over the Skagerrack partially filled up. A shallow disturbance, however, advanced over the south of England and occasioned rain or sleet at most of our southern stations.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Monday 13th February

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 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 ...	29.60	5	Z	0	b	29.60	+ 0.7	-4	-4	-5	N	2	0	*	5	-13	0.04
	Hernösand ...	29.64	8	NNE	6	S	29.78	+ 1.0	10	10	+ 7	NE	4	S	*	14	0	0.08
	Stockholm ...	29.36	21	N	4	S	29.60	+ 2.0	12	11	- 17	Z	0	0	*	34	?	0.08
	Wisby ...	29.21	33	SE	4	S	29.61	+ 2.1	29	29	- 2	W	2	0	*	36	25	0.24
	Bodö ...	29.58	15	ENE	4	b	29.64	+ 1.0	16	13	+ 2	ENE	4	b	2	16	12	-
	Christiansund ...	29.37	26	ESE	2	b	29.60	+ 2.0	25	23	- 1	ESE	2	c	3	30	21	-
	Skudesnaes ...	29.40	32	S	4	0	29.58	+ 3.4	29	27	- 2	SSE	2	c	4	34	?	-
	Christiania Fjord (Færd)	29.41	20	N	6	0	29.59	+ 3.7	17	16	- 9	NNE	3	0	1	27	14	-
	Skagen (The Seaw)	29.39	29	SW	1	0	29.51	+ 3.1	26	25	- 4	NNE	2	0	2	30	25	-
	Fanö ...	29.42	33	SW	2	b	29.52	+ 2.9	32	31	+ 1	WNW	2	c	*	34	30	0.04
BRITISH ISLANDS.	Sumburgh Head	29.32	29	Z	0	bc	29.49	+ 2.3	34	33	+ 4	NE	1	0	2	36	25	0.03
	Stornoway ...	29.29	33	NW	4	S	29.38	+ 0.2	31	31	0	NE	5	c	4	35	27	0.10
	Wick ...	29.32	22	NW	1	b	29.49	+ 1.7	32	31	+ 13	NW	1	c	0	33	15	-
	Nairn ...	29.32	28	Z	0	c	29.38	+ 0.6	28	27	+ 1	SW	1	bc	1	35	24	-
	Aberdeen ...	29.37	29	S	1	b	29.45	+ 1.2	20	20	- 6	W	1	cm	1	36	19	-
	Leith ...	29.38	35	W	1	b	29.47	+ 1.2	29	29	+ 2	W	1	bcw	*	39	26	0.01
	Shields ...	29.43	33	SW	1	b	29.49	+ 1.2	29	29	+ 4	W	2	c	2	37	25	0.02
	Spurn Head ...	29.49	37	W	3	c	29.56	+ 1.6	35	33	+ 4	W	5	c	3	38	30	-
	York ...	29.48	34	W	1	b	29.57	+ 1.5	30	29	+ 3	W	1	c	*	40	26	0.03
	Loughborough	29.51	35	W	1	0	29.65	+ 1.9	32	31	+ 1	WNW	2	0	*	44	30	-
GERMANY.	Ardrossan ...	29.40	34	SW	1	STP	29.51	+ 1.3	29	29	0	NE	1	cm	1	42	23	0.41
	Malin Head ...	29.47	35	NW	4	grshp	29.56	+ 1.6	35	34	- 1	NW	4	hsp	4	37	25	0.15
	Mullaghmore ...	29.54	34	NW	7	shg	29.62	+ 1.7	38	33	- 2	W	4	cg	3	39	30	0.12
	Behnullet ...	29.63	34	N	1	0	29.64	+ 1.5	31	31	- 3	WNW	3	S	*	41	29	0.50
	Donaghadee ...	29.46	34	W	3	bc	29.58	+ 1.6	26	26	- 4	WNW	3	bc	1	40	26	0.11
	Barrow-in-Furness	29.44	36	SW	2	0	29.57	+ 1.6	33	30	+ 3	WNW	5	bcsp	*	38	29	0.04
	Liverpool (Bidston)	29.50	34	SW	2	b	29.64	+ 2.0	32	30	0	SW	4	chs	3	38	31	0.18
	Holyhead ...	29.49	35	SW	3	spm	29.66	+ 2.0	33	31	- 2	WNW	6	bcq	5	42	33	0.09
	Parsonstown ...	29.57	35	WNW	1	0	29.71	+ 1.9	30	29	+ 3	Z	0	c	*	38	26	0.01
	Valencia ...	29.72	38	NW	3	bc	29.75	+ 1.6	37	35	+ 4	NW	4	bc	3	44	33	0.23
FRANCE & NETHERLANDS.	Roche's Point...	29.63	37	NW	4	b	29.73	+ 1.9	33	33	+ 1	W	2	0	3	39	31	0.01
	Pembroke ...	29.55	37	WSW	4	r	29.76	+ 2.4	37	35	+ 3	W	4	c	3	41	34	0.03
	Scilly ...	29.63	42	W	5	chp	29.82	+ 3.0	40	37	+ 1	WNW	4	bc	4	49	37	0.04
	Prawle Point ..	29.64	35	WNW	3	bc	29.82	+ 2.9	33	32	- 4	WNW	3	b	2	47	31	0.03
	Jersey ...	29.63	40	NW	2	bcsp	29.85	+ 3.1	38	36	- 5	WNW	4	bcw	3	43	36	0.37
	Hurst Castle ...	29.59	37	WNW	2	b	29.76	+ 2.4	36	34	+ 1	WNW	5	b	1	40	31	0.01
	Dungeness ...	29.52	37	NW	1	m	29.68	+ 2.1	36	35	+ 3	W	4	c	3	39	30	0.06
	London ...	29.54	32	Z	0	bm	29.70	+ 2.0	34	33	+ 2	W	2	0	*	38	30	-
	Oxford ...	29.58	34	SW	3	bc	29.72	+ 2.2	33	31	+ 3	WSW	3	cs p	*	40	30	-
	Cambridge ...	29.59	32	W	1	b	29.67	+ 2.0	33	32	+ 3	W	1	S	*	42	26	?
PENIN. SULA.	Yarmouth ...	29.51	35	W	1	bcw	29.61	+ 1.9	33	32	0	W	4	bc	3	37	29	-
	Cuxhaven ...	29.54	33	SW	2	b	29.61	+ 3.1	34	34	0	W	2	b	*	?	29	-
	Berlin ...	29.62	35	WSW	1	b	?	?	40	38	+ 3	SW	5	c	*	41	34	0.16
	Wiesbaden ...	*	*	*	*	*	29.84	+ 3.0	36	32	- 6	W	3	c	*	45	36	-
	Munich ...	29.76	33	SW	1	b	29.85	+ 1.0	36	36	+ 6	NW	5	r	*	43	32	0.04
	The Helder ...	29.50	36	W	3	b	29.64	+ 2.6	36	35	0	WSW	3	bc	2	37	34	-
	Brussels ...	*	*	*	*	*	29.78	?	30	30	?	SSW	?	?	*	42	29	0.16
	Cape Gris Nez...	29.54	39	WSW	3	m	29.61	+ 1.8	37	36	- 2	WSW	7	c	5	43	32	0.16
	Paris ...	29.49	45	SW	4	r	29.88	+ 2.7	36	32	- 4	SSW	3	c	*	46	30	0.43
	Brest ...	29.74	42	NW	4	0	29.89	+ 3.0	41	36	- 4	NW	5	b	4	52	36	0.39

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Monday, 13th February, 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.

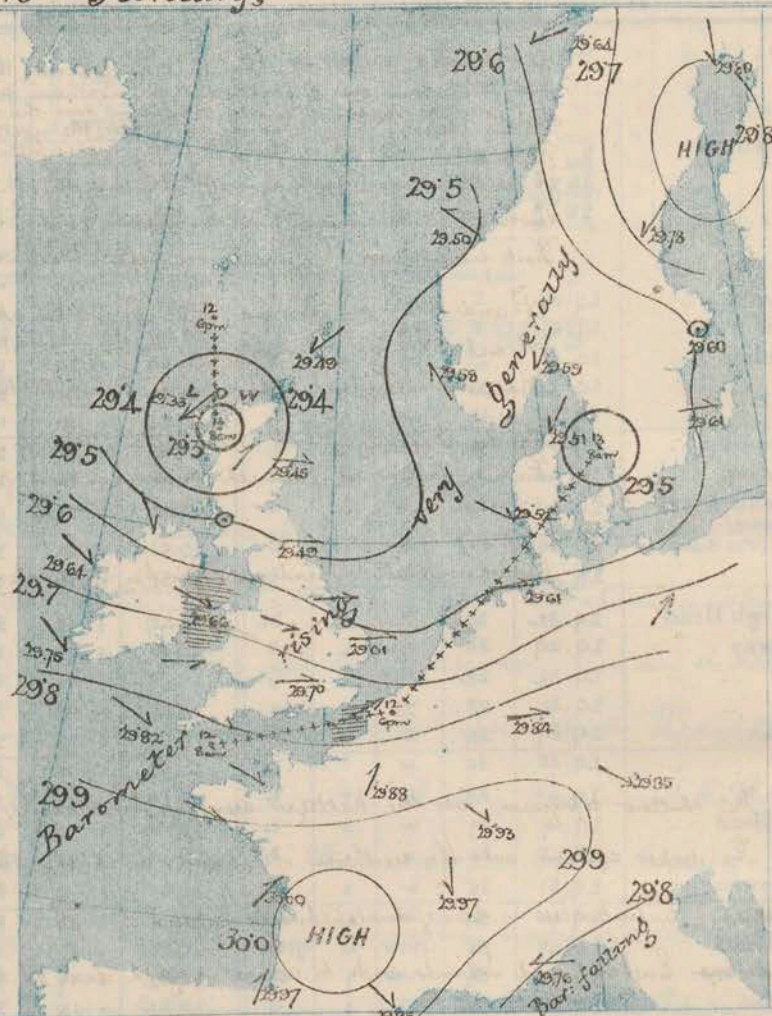
▨ = Rough ▨ = High

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS
	in.
Sumburgh Head	29.713
Stornoway	29.700
Wick	29.737
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.906
Donaghadee	29.812
Holyhead	29.848
Liverpool	29.873
Parsonstown	29.884
Valencia	29.850
Roche's Point	29.850
Pembroke	29.875
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.967
LONDON	29.949
Oxford	29.938
Cambridge	29.935
Yarmouth	29.928



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of February.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	42.6	34.7	38.7	37.7	3.23
Stornoway	43.5	34.7	39.3	38.2	3.97
Wick	43.4	33.5	38.4	37.0	2.02
Nairn	43.4	33.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	46.6	34.7	39.2	37.7	1.58
Shields	44.3	35.7	39.2	37.9	1.63
York	45.3	34.2	38.2	37.1	1.88
Loughborough	46.0	34.5	38.4	37.3	2.00
Ardrossan	45.0	36.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.90
Liverpool	45.3	36.9	39.9	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	5.23
Roche's Point	48.9	40.0	43.6	42.2	4.86
Pembroke	46.2	40.3	43.1	41.9	3.20
Scilly	49.7	43.7	46.9	45.3	2.98
Jersey	47.6	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.63
Dover	45.4	37.4	40.3	39.1	2.12
LONDON	46.9	36.0	39.7	38.6	1.89
Oxford	45.9	35.9	38.8	37.7	2.06
Cambridge	46.4	38.9	38.3	37.3	1.60
Yarmouth	43.5	35.2	38.9	38.2	2.02

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.9 in. to 30.0 in. over the Bay of Biscay, the southwest of France, and north of Spain.
 29.8 in. over Lapland and the northern parts of the Gulf of Bothnia.
 Lowest, 29.3 in. in a small depression over the northwest of Scotland, 29.5 in. and less, in another over the Kattegat, and below 29 in. over the North Sea, the north of our Islands and the southwest of Scandinavia generally.
 Gradients moderate or slight. Barometer falling in west, rising in south and east.

TEMPERATURE

Highest, 43° at Dublin, 47° at Bournemouth, 46° at Biarritz, 45° at Nice, 41° at Beirut, 40° at Sicily, and 37° at Valencia and Penzance.
 Lowest, 4° at Haparanda, +1° at Helsingfors, 17° at Fonder, 20° at Alsteren, 26° at Donaghadee, 23° at Leth, Shields, and Andersons, and 30° at Thronow.
 Frost prevailed very generally over the British Islands during the night. In the north of Scotland, however, the thermometer is now rising quickly.

WIND

W^{ly} and NW^{ly} over Ireland, England, and the northwestern part of France.
 W^{ly} and SW^{ly} over Germany and Holland, — NE^{ly} over Scandinavia and at Bornoway.
 Moderate in England and Ireland, lighter on the Continent and in Scotland.

WEATHER

Cloudy generally — but with bright intervals at many of the more eastern stations.
 Rain is falling at Munich, snow at several of our own stations, and on our northwest coast the fall is heavy.

SEA

Rather rough at Holyhead and Offa Key, moderate to smooth elsewhere. Very smooth off the east of Scotland.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

- (1.) The shallow depression over the Kattegat seems to be passing away to the northeastward.
- (2.) The deeper system over the northwest of Scotland is apparently moving southwards, and there are indications that another (subsidiary) disturbance is being developed over Ireland. There seem likely to produce some increase in the force of the NW^{ly} wind over England and Ireland and to cause a good deal of snow over our southeastern and southern counties shortly.

FORECASTS

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

DISTRICTS.


FORECASTS.


0	SCOTLAND NORTH	NE ^{ly} to NW ^{ly} breezes, some snow. Very cold tonight.
1	SCOTLAND EAST	Varying light breezes, finally NE ^{ly} ; very cold, some snow.
2	ENGLAND N.E.	..... D° D° D°
3	ENGLAND EAST	W ^{ly} and variable winds, fine and cold to unsettled and perhaps snow.
4	MIDLAND COUNTIES	Same as No 5
5	ENGLAND SOUTH	NW ^{ly} breezes, freshening; fair and cold then a good deal of snow.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NW ^{ly} to N ^{ly} winds; very unsettled, much snow in several places.
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.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	29.82	34	28	ENE 2	bc	3	Holyhead ...	29.50	39	36	W 3	bc	3
Sumburgh Head ...							Valencia ...						
Stornoway ...	29.83	33	33	W 2	0	2	Scilly ...						
Aberdeen ...							Dungeness ...	29.50	38	36	NW 1	0	2
Shields ...							London ...						*
Ardrossan ...							Yarmouth ...						
Malin Head ...	29.41	34	34	NW 4	okgsp	3	Jersey ...	29.51	39	38	N 3	oph	3
Mullaghmore ...							Rochefort ...	29.74	48	46	NW 5	0	2
Belmullet ...	29.53	37	35	NW 6	scp	*							

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

The reports for yesterday morning showed that pressure was highest 30.1 in. and upwards over Russia and southeastern Europe, and lowest, 29.3 in. and less in a large shallow area, or trough, extending from the North of our Islands and the West of Norway to the southern parts of the Baltic. The depression noticed over the Skager Rack, on the previous day was filling up, but another small and shallow disturbance had appeared over the northwest of France. Moderate, S.W. breezes prevailed over the greater part of Central and southern Europe, S. or S.E. breezes over the Baltic, and E. breezes in Scandinavia, but in our Islands the wind was chiefly W. Fine weather was reported over the East of our Islands as well as in Algeria and the southern parts of Spain and Italy, but elsewhere the sky was cloudy or overcast with snow in Sweden and rain in the North of France. Temperature had risen somewhat over Russia and southern Europe, but fallen elsewhere; readings ranged from 50° and upwards at several of the Algerian and Mediterranean stations to 5° and less over Lapland, Finland and Central Russia, and to below zero over southern Austria. The highest individual readings were 57° at Algiers, 52° at Rishra and Langunaire, 51° at La Halle, Barcelona, San Fernando and Malta, and 50° at Oran and Cagliari; the lowest were -5° F. at Hermanstadt, -4° at Kuopio, +1° at Kapananda, 2° at Uleaborg, 3° at Keriö and 6° at Charkov, 8° at Helsingfors, 11° at St. Petersburg, 12° at Hangö and 13° at Odessa. In the course of the day the depression over the Skager Rack continued to fill up, but in the evening a small disturbance appeared over the North of Scotland and occasioned snow showers at all our northwest stations. Sharp frost was experienced over Great Britain at night.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 5TH TO THE 11TH FEBRUARY 1888.

The weather of the past week has been somewhat changeable and unsettled, especially in the more western and northern parts of the Kingdom. During the earlier part of the time, when temperature was unusually high for the time of year, showers of rain were experienced in most places, but at the close of the period, when the thermometer had become generally low, precipitation assumed the form of sleet or snow, and in the North of Scotland some very heavy falls were reported.

Barometrical pressure has been usually highest to the southwestward or southward of our Islands, and lowest over Scandinavia and Germany. The prevailing winds have been W. or NW. but as a rule they have been light or moderate in force. Several depressions have appeared in the North and Northeastern parts of our area.

The first, a small and somewhat shallow system, travelled southeastward from the West of Norway, where its centre was shown on Sunday, to Germany, and occasioned snow in all places lying within the immediate neighbourhood of its path. In our Islands the weather was not materially affected by the disturbance.

The second, a larger disturbance, advanced from the westward on the night of the 6th, and subsequently filled up off the Northwest of Norway. On the night of the 7th, however, a well-defined secondary depression which was developed on its southern side, moved southeastward across Denmark and Germany, occasioning further falls of snow at many of the Continental stations.

The third depression advanced to the West of Norway on the night of the 8th and subsequently moved very slowly southeastward to the North of Denmark where it eventually dispersed. As it skirted our North coast heavy snow fell in the North of Scotland and similar weather afterwards extended to Scandinavia and Denmark. At the close of the week two or three small secondary disturbances advanced directly across the United Kingdom from the northwest or West, and falls of snow sleet and cold rain were experienced generally. During the first three days of the week temperature was very high, the maximum readings being above 50° in many parts of the United Kingdom. Towards the close of the time however, cold weather gradually extended over us from the northward, and on the night of the 10th and 11th sharp frosts were experienced in many places, the lowest readings of all being reported at Wick, where the thermometer on the night of the 11th fell to 16°.

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 14th February 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.		
		In.	°				In.	In.	°	°	°					°	°	In.	
Haparanda ..		29.87	16	N	2	0	29.89	+ .09	3	3	+ .7	N	2	S	*	0	?	-	
Hernösand ...		29.87	3	Z	0	0	29.98	+ .20	-1	-1	- .11	Z	0	c	*	14	?	-	
Stockholm ...		29.74	20	N	2	0	29.96	+ .36	15	14	+ .3	N	2	S	*	23	10	0.04	
Wisby ...		29.80	26	NW	4	0	29.97	+ .36	27	26	- .2	W	4	c	*	32	25	0.08	
Bodö ...		29.76	17	ENE	4	0	29.85	+ .21	18	16	+ .2	ENE	2	S	1	19	14	-	
Christiansund...		29.71	27	ESE	3	S	29.91	+ .41	27	26	+ .2	S	2	c	3	28	23	0.39	
Skudesnaes ...		29.79	28	SSE	4	b	29.97	+ .39	28	26	- .1	SSE	4	S	3	?	28	-	
Christiania Fjord (Fjorder)		29.80	19	NNE	2	b	29.97	+ .38	17	17	0	NNE	2	0	1	19	12	-	
Skagen (The Scaw)		29.78	24	NE	2	0	29.94	+ .43	22	22	- .4	ENE	1	0	1	27	21	-	
Fanö ...		29.74	32	S	2	0	29.91	+ .39	30	30	- .2	S	1	b	*	36	30	0.08	
Sumburgh Head		29.75	30	NNE	1	b	29.96	+ .47	32	31	- .2	N	3	0	2	37	29	0.01	
Stornoway ...		29.71	35	E	5	c	30.02	+ .69	33	33	+ .2	NE	4	S	4	36	29	0.27	
Wick ...		29.74	36	NE	5	b	30.01	+ .52	33	33	+ .1	NE	2	S	1	38	24	0.08	
Nairn ...		29.69	35	NNE	1	c	29.98	+ .60	32	31	+ .4	Z	0	S	1	36	26	0.17	
Aberdeen...		29.65	32	NW	1	S	29.95	+ .50	28	28	+ .8	N	1	c	1	36	20	0.20	
Leith ...		29.66	35	W	2	b	29.91	+ .44	34	33	+ .5	N	2	b	*	39	26	0.28	
Shields ...		29.67	31	W	2	b	29.80	+ .31	27	27	- .2	NW	1	m	2	36	25	-	
Spurn Head ...		29.72	33	WSW	3	b	29.73	+ .17	36	34	+ .1	NNE	4	c	5	38	30	-	
York ...		29.71	31	NW	1	b	29.79	+ .22	21	21	- .9	N	1	b	*	37	20	-	
Loughborough		29.74	33	SW	1	0	29.71	+ .06	30	29	- .2	N	4	sq	*	39	29	-	
Ardrossan ...		29.66	36	WSW	4	bv	29.94	+ .43	32	32	+ .3	NW	3	b	1	39	25	-	
Malin Head ...		29.63	32	SW	4	chp	30.01	+ .45	38	36	+ .3	NE	3	b	2	38	29	0.04	
Mullaghmore ...		29.69	35	SW	4	og	30.02	+ .40	35	33	+ .2	NW	3	b	2	38	29	0.16	
Belmullet ...		29.74	34	NW	2	S	30.06	+ .42	37	36	+ .6	N	3	b	*	39	30	0.31	
Donaghadee ...		29.70	28	NW	2	b	29.91	+ .33	38	37	+ .12	NE	6	b	4	38	25	0.05	
Barrow-in-Furness		29.69	32	NW	3	b	29.81	+ .24	25	25	- .8	N	2	b	*	38	23	0.01	
Liverpool (Bidston)		29.72	32	SSW	1	b	29.81	+ .17	26	25	- .6	NNE	1	b	2	35	26	0.08	
Holyhead ...		29.69	34	ENE	1	b	29.82	+ .16	37	34	+ .4	NNE	5	0	5	39	33	-	
Parsonstown ...		29.73	31	Z	0	b	30.01	+ .30	24	24	- .6	Z	0	b	*	35	23	0.02	
Valencia ...		29.81	38	N	5	b	30.07	+ .32	37	33	0	NNE	3	b	3	41	33	0.17	
Roche's Point...		29.66	36	NW	5	c	29.96	+ .23	31	30	- .2	N	4	b	4	37	29	0.01	
Pembroke ...		29.59	35	ESE	3	S	29.80	+ .04	32	32	- .5	N	3	sq	2	37	30	0.16	
Scilly ...		29.69	38	NW	8	og	29.80	- .02	39	35	- .1	N	6	cq	6	46	34	0.23	
Prawle Point ...		29.68	40	WSW	5	c	29.71	- .11	29	28	- .4	N	5	cq	4	43	27	0.27	
Jersey ...		29.80	43	SW	4	og	29.62	- .23	35	34	- .3	NW	6	b	5	46	34	0.32	
Hurst Castle ...		29.72	35	WSW	4	og	29.56	- .20	31	30	- .5	NW	1	c	2	42	29	0.36	
Dungeness ...		29.81	39	W	4	c	29.58	- .10	37	36	+ .1	SW	3	r	4	44	35	0.34	
London ...		29.77	36	SW	1	oars	29.57	- .13	34	33	0	S	1	osp	*	41	33	0.24	
Oxford ...		29.70	31	NE	2	S	29.60	- .12	32	32	- .1	NNE	3	S	*	42	30	0.50	
Cambridg ...		29.79	33	W	1	S	29.58	- .09	33	32	0	NE	2	S	*	41	29	0.18	
Yarmouth ...		29.77	34	WSW	2	c	29.64	+ .03	37	36	+ .4	SSE	3	0	4	37	31	0.24	
Cuxhaven ...		29.80	32	SSW	2	b	30.01	+ .40	27	27	- .7	SSE	2	m	*	2...	25	-	
Berlin ...		29.78	33	WSW	1	b	30.10	?	28	27	- .12	SSE	1	b	*	41	28	-	
Wiesbaden ...		*	*	*	*	*	30.00	+ .16	30	29	- .6	SW	1	b	*	45	28	-	
Munich ...		30.05	32	SW	1	c	30.02	+ .17	22	22	- .14	SE	3	b	*	37	19	0.08	
The Helder ...		29.82	36	SW	4	c	29.79	+ .15	33	33	- .3	SE	3	S	2	37	32	0.35	
Brussels ...		*	*	*	*	*	29.78	.00	35	33	?	SSE	4	c	*	38	34	0.04	
Cape Gris Nez...		29.77	38	SW	5	0	29.52	- .15	36	36	+ .1	SSW	7	T	5	41	36	0.08	
Paris ...		29.96	35	SSW	1	b	29.77	- .11	35	33	- .1	S	4	0	*	43	34	-	
Brest ...		29.83	42	SW	8	0	29.84	- .05	36	33	- .5	NW	5	0	5	52	32	0.16	
Lorient ...		29.91	42	SW	7	0	29.82	- .13	40	37	- .2	NW	7	c	4	46	36	0.12	
Rochefort ...		30.05	45	SW	3	b	29.92	- .08	40	38	- .1	NW	4	0	2	52	34	0.08	
Belfort ...		30.02	37	NW	1	c	29.93	.00	33	32	- .1	ENE	1	b	*	40	25	-	
Lyons ...		30.07	39	E	1	b	29.97	.00	31	30	- .7	ESE	1	c	*	46	29	-	
Nice ...		29.96	46	S	1	0	30.00	+ .24	43	43	- .2	E	1	b	1	54	39	0.16	
Perpignan ...		30.02	50	NE	1	0	29.92	- .03	41	40	- .6	NW	3	0	*	62	40	-	
Biarritz ...		30.03	46	E	4	0	29.97	.00	45	43	- .1	SW	3	r	2	50	41	0.12	
Corunna ...		*	*	*	*	*													
Lisbon ...		29.88	50	NNE	7	0	29.93	+ .01	50	48	+ .1	N	5	b	3	54	48	0.24	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Tuesday, 14th February,

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. 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.

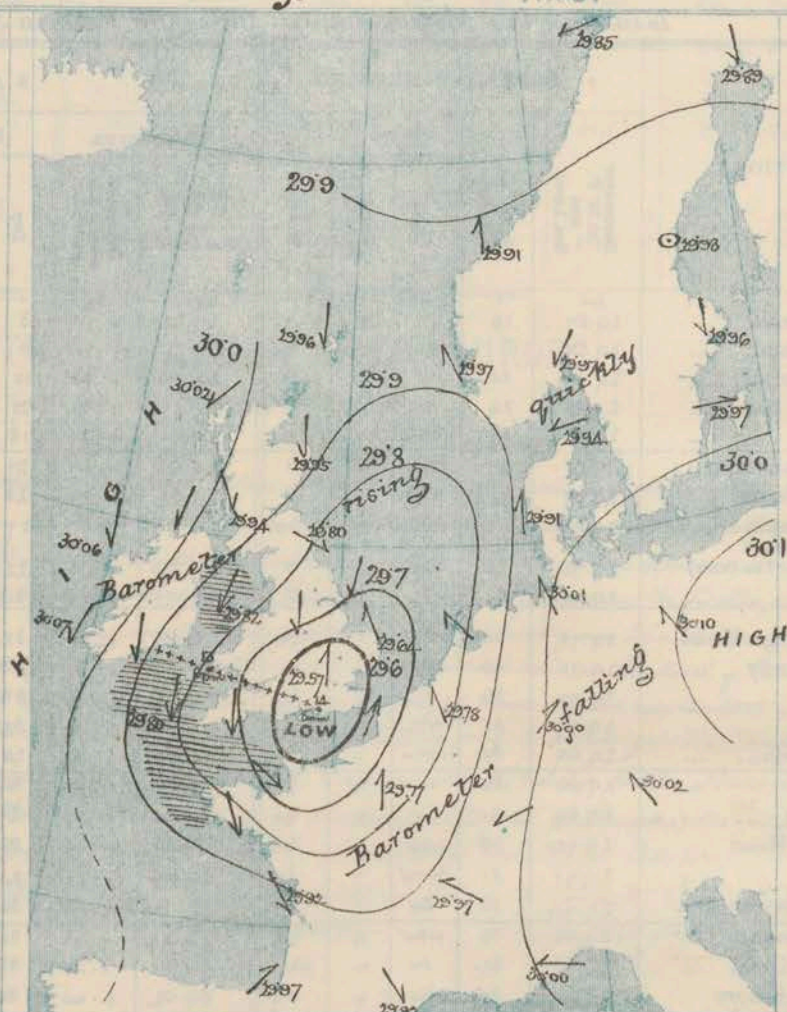
Sea Disturbance — where considerable is shown thus.

— Rough — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.718
Stornoway	29.709
Wick	29.737
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.905
Donaghadee	29.812
Holyhead	29.848
Liverpool	29.873
Parsonstown	29.884
Valencia	29.850
Roche's Point	29.850
Pembroke	29.875
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.988
Cambridge	29.985
Yarmouth	29.928



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

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

Weather — is shown by letters of the Beaufort Scale.

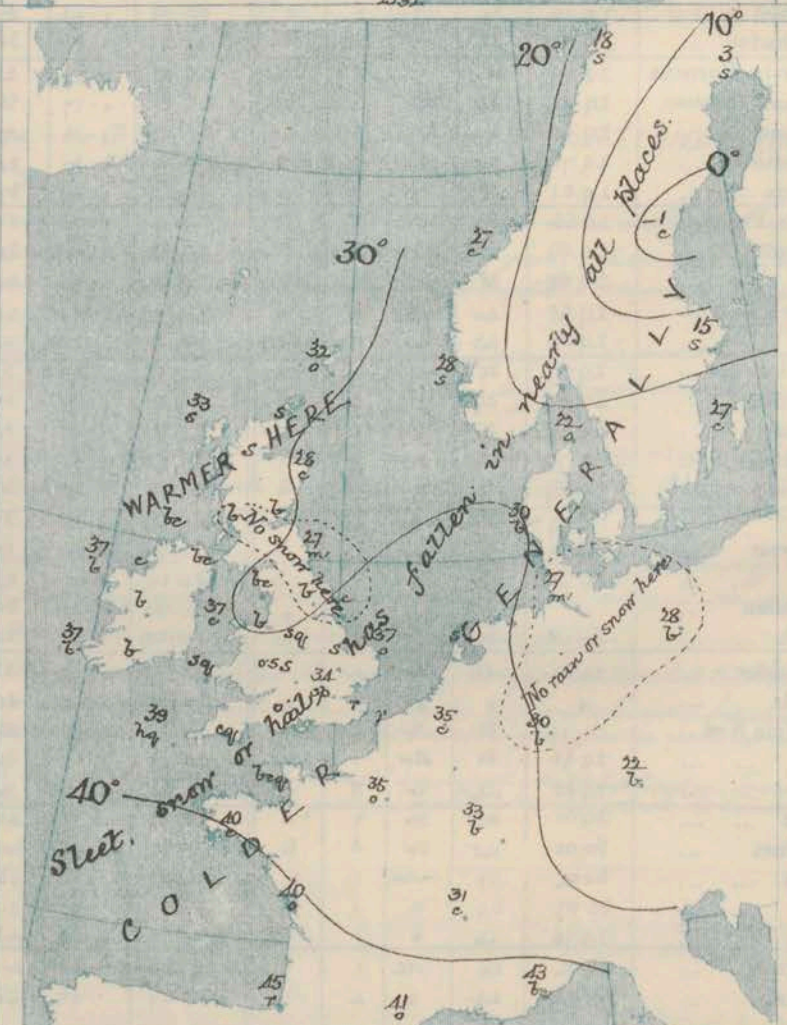
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of February.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
Sumburgh Head	42.6	34.7	38.7	37.7	3.29
Stornoway	43.5	34.7	39.3	38.2	3.97
Wick	43.4	33.5	38.4	37.0	2.02
Nairn	43.4	33.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	46.6	34.7	39.2	37.7	1.58
Shields	44.3	35.7	39.2	37.9	1.63
York	45.3	34.2	38.2	37.1	1.88
Loughborough	46.0	34.5	38.4	37.3	2.00
Ardrossan	45.0	36.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.90
Liverpool	45.3	36.9	39.9	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	5.29
Roche's Point	48.9	40.0	43.6	42.2	4.86
Pembroke	46.2	40.3	43.1	41.9	3.20
Scilly	49.7	43.7	46.9	45.3	2.98
Jersey	47.6	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.63
Dover	45.4	37.4	40.3	39.1	2.12
LONDON	46.9	36.0	39.7	38.6	1.89
Oxford	45.9	35.9	38.8	37.7	2.06
Cambridge	46.4	33.9	38.3	37.3	1.60
Yarmouth	43.5	35.2	38.9	38.2	2.02

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 Germany, the western parts of Ireland and Scotland, and apparently over the northwest of Spain also.
Lowest, 29.5 in: in a depression lying over the eastern part of the Channel, and apparently below 29.5 in: over all the SW part of the North Sea.
Gradients moderate round the depression, slight and variable elsewhere.
Barometer falling in France, rising elsewhere - very quickly in the northwest.

TEMPERATURE

Highest, 50° at Lisbon, 45° at Biarritz, 43° at Chere, and 40° at Lorient and Rochefort.
Lowest, -1° F. at Helsingfors, +3° at Haparanda, 15° at Stockholm, 18° at Rode, 24° at York, 22° at Munich and the Taunus, and 24° at Passau (Austria).
Hard frost had prevailed over our northeastern countries and central Ireland this morning.

WIND

N^W over nearly the whole of our Islands. N^W in Brittany and the coast of France, moderate generally, but strong and equally at several of the southwestern stations.
S^W over the northeast of France, the Netherlands, Holstein, and the southeast of England - light and variable elsewhere.

WEATHER

Very changeable. Snow is falling in Scandinavia and in the north and west of Scotland as well as in several parts of England, hail at Sicily; in other places the sky is temporarily clear.
Over Germany, the sky is clear; in France cloudy, with rain at Biarritz.
Showers of snow and hail have been very prevalent since yesterday, except in the northeast.

SEA

Rather rough, except in the north, and off the extreme west of Ireland, where it is slight or smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

- The depression in the southeast is moving southeastwards and as it passes off the cold N^W wind, with showers of dry snow will probably spread over our southeastern countries, and blow strongly for a time in the Channel.
- The high-pressure area in the west will then probably spread Eastwards over England, and hard frosts be experienced at all our inland stations tonight.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	N ^W and N ^W breezes, moderate; cold, snow at times, with bright intervals.
1	SCOTLAND EAST	----- D° ----- D° ----- D° -----
2	ENGLAND N.E.	Same as N°4.
3	ENGLAND EAST	Same as N°5.
4	MIDLAND COUNTIES	NE ^W and N ^W breezes, light, some snow, cold, hard frost at night.
5	ENGLAND SOUTH	Wind shifting to the N ^W , and increasing temporarily, some snow showers, very cold in night.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	N ^W winds, moderate; cold showers, with bright intervals, frosty inland at night.
7	ENGLAND N.W.	----- D° ----- D° ----- D° -----
8	ENGLAND S.W.	----- D° ----- D° ----- D° -----
9	IRELAND NORTH	N ^W breezes, light; fair, very cold inland at night.
10	IRELAND SOUTH	----- D° ----- D° ----- D° -----

WARNINGS

The north cone was hoisted last evening in district 8 and part of 5.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.70	31	27	ESE 3	0	3	Holyhead ...	29.68	38	38	W 1	bc	3
Sumburgh Head ...	29.64	35	34	NE 2	bc	3	Valencia ...	29.72	36	33	W 6	cqsh	6
Stornoway ...	29.57	36	35	E 5	c	4	Scilly ...	29.73	44	42	W 5	c	5
Aberdeen ...	29.56	34	34	W 2	ospy	1	Dungeness ...	29.80	43	38	W 4	b	3
Shields ...	29.57	35	32	W 2	bc	2	London ...	29.78	41	35	W 2	c	*
Ardrossan ...	29.58	39	35	W 3	c	2	Yarmouth ...	29.72	36	33	W 4	bc	3
Malin Head ...	29.59	35	36	SW 4	0	4	Jersey ...	29.88	46	42	WSW 3	b	3
Mullaghmore ...	29.68	32	32	N 3	c	2	Rocheport ...	30.07	50	46	W 4	bc	7
Belmullet ...	29.71	32	32	ESE 3	b	*							

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

The Continental Information has not yet arrived.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Wednesday 15th FEBRUARY 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.	Inch.	
SCANDINAVIA.	Haparanda ..	30.02	2	N	2	S	30.16	+ .27	-11	-11	- 14	Z	0	C	*	5	2	0.04	
	Hernösand ...	30.15	-5	Z	0	b	30.31	+ .33	-13	-13	- 12	Z	0	b	*	10	?	—	
	Stockholm ...	30.17	15	Z	0	0	30.32	+ .36	7	6	- 8	Z	0	0	*	21	?	—	
	Wisby ...	30.18	27	N	4	S	30.26	+ .29	24	23	- 3	SE	2	C	*	32	?	0.04	
	Bodö ...	29.99	22	ESE	2	S	30.10	+ .25	20	28	+ 11	WNW	4	S	2	22	16	—	
	Christiansund...	30.08	24	ESE	3	b	30.23	+ .32	26	24	- 1	ESE	4	b	2	24	21	0.04	
	Skudesnaes ...	30.12	24	ESE	1	b	30.26	+ .29	24	23	- 4	ESE	1	b	2	30	24	—	
	Christiania Fjord (Færd)	30.12	18	Z	0	b	30.26	+ .29	15	14	- 2	NNE	5	C	1	18	19	—	
	Skagen (The Scaw)	30.13	21	E	2	0	30.19	+ .25	20	20	- 2	E	3	0	3	23	19	—	
	Fanö ...	30.00	29	E	6	0	29.98	+ .07	29	29	- 1	NE	6	0	*	22	25	—	
BRITISH ISLANDS.	Sumburgh Head	30.06	31	NNW	1	C	30.20	+ .24	27	25	- 5	Z	0	b	0	32	23	—	
	Sornoway ...	30.17	28	N	4	b	30.25	+ .23	26	25	- 8	NNW	4	0	3	33	20	0.10	
	Wick ...	30.10	31	NE	1	b	30.20	+ .19	26	25	- 7	NW	2	S	1	34	16	0.22	
	Nairn ...	30.08	32	NNE	2	0	30.27	+ .29	22	21	- 10	Z	0	b	1	26	18	0.15	
	Aberdeen...	30.07	32	N	1	b	30.24	+ .29	28	27	- 0	NNW	1	b	1	37	26	0.57	
	Leith ...	30.05	35	N	2	b	30.22	+ .31	33	32	- 1	NE	3	sm	*	39	32	0.07	
	Shields ...	29.95	38	NE	4	C	30.12	+ .32	38	34	+ 11	NE	4	C	5	40	25	0.08	
	Spurn Head ...	29.69	24	NNE	2	sp	29.96	+ .23	38	36	+ 2	NNE	5	C	6	38	33	0.10	
	York ...	29.83	35	N	2	C	30.09	+ .30	24	33	+ 13	N	3	0	*	38	21	0.26	
	Loughborough	29.74	26	NNW	5	0	29.98	+ .27	34	33	+ 4	NNW	3	0	*	36	30	0.20	
GERMANY.	Ardrossan ...	30.06	34	NNW	2	b	30.25	+ .31	31	30	+ 1	N	1	b	1	39	28	—	
	Malin Head ...	30.15	37	NNE	3	b	30.29	+ .28	35	35	- 3	NNE	3	b	3	39	32	0.02	
	Mullaghmore ...	30.12	38	NNE	3	b	30.29	+ .27	36	33	+ 1	N	4	C	2	41	33	—	
	Belmullet ...	30.16	37	NNE	3	b	30.33	+ .27	38	36	+ 1	ESE	2	0	*	41	34	0.10	
	Donaghadee ...	30.05	39	N	5	C	30.23	+ .32	37	35	- 1	NE	5	C	3	40	34	0.01	
	Barrow-in-Furness	29.93	35	N	2	b	30.16	+ .35	33	31	+ 8	NE	3	b	*	39	34	—	
	Liverpool (Bidston)	29.91	35	N	4	C	30.12	+ .31	33	32	+ 7	NNW	4	b	3	37	26	—	
	Holyhead ...	29.96	39	NNE	6	C	30.17	+ .35	38	35	+ 1	NNE	6	b	6	40	36	—	
	Parsonstown ...	30.11	33	Z	0	b	30.30	+ .29	27	26	+ 3	Z	0	b	*	38	23	—	
	Valencia ...	30.15	39	NNW	4	b	30.35	+ .28	38	35	+ 1	E	1	0	1	44	36	0.08	
FRANCE & NETHERLANDS.	Roche's Point...	30.06	39	N	5	b	30.26	+ .30	34	32	+ 3	N	5	b	4	40	30	—	
	Pembroke ...	29.92	37	N	4	b	30.11	+ .31	37	34	+ 5	NNE	5	b	4	40	32	0.04	
	Scilly ...	29.94	42	NNW	7	C	30.12	+ .32	41	37	+ 2	N	7	C	6	42	32	0.03	
	Prawle Point ...	29.84	33	NNW	5	C	30.03	+ .32	32	30	+ 3	NNW	4	b	3	38	28	—	
	Jersey ...	29.79	37	NNW	5	C	29.95	+ .33	38	36	+ 3	N	4	og	3	39	32	0.12	
	Hurst Castle ...	29.67	33	N	7	og	29.93	+ .37	34	33	+ 3	NNE	6	C	3	42	26	0.08	
	Dungeness ...	29.50	37	S	4	p	29.79	+ .21	33	32	- 4	N	3	0	2	40	30	0.09	
	London ...	29.61	36	NE	2	0	29.86	+ .29	36	34	+ 2	N	4	0	*	39	32	0.02	
	Oxford ...	29.70	32	NE	5	S	29.95	+ .35	34	33	+ 2	NE	5	og	*	34	31	1.42	
	Cambridge ...	29.62	33	Z	0	S	29.91	+ .33	34	33	+ 1	N	2	S	*	35	30	0.30	
PENIN. ISLANDS.	Yarmouth ...	29.64	35	ESE	4	C	29.83	+ .19	35	34	- 2	NE	3	C	4	37	32	0.49	
	Cuxhaven ...	29.98	32	ESE	2	0	29.93	- .08	31	31	+ 4	E	3	0	*	41	?	—	
	Berlin ...	30.02	33	ESE	2	b	29.94	- .16	33	32	+ 5	SE	2	0	*	39	?	—	
	Wiesbaden ...	*	*	*	*	*	29.87	- .13	33	32	+ 3	E	1	0	*	43	?	—	
	Munich ...	29.87	28	SW	1	C	29.80	- .22	31	31	+ 9	NW	3	m	*	34	?	—	
	The Helder ...	29.76	35	ESE	1	0	29.83	+ .04	33	33	- 0	ESE	1	C	2	37	32	0.04	
	Brussels ...	*	*	*	*	*	29.80	+ .02	33	32	- 2	SSE	3	C	*	42	33	0.04	
	Cape Gris Nez...	29.52	34	WSW	7	S	29.78	+ .26	35	34	- 1	N	7	S	5	39	32	0.28	
	Paris ...	29.78	37	SW	5	b	29.82	+ .05	34	32	- 1	SW	3	b	*	40	34	0.04	
	Brest ...	29.69	38	N	8	0	30.09	+ .25	37	36	+ 1	NNW	8	b	5	50	34	—	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Wednesday, 15th February, 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

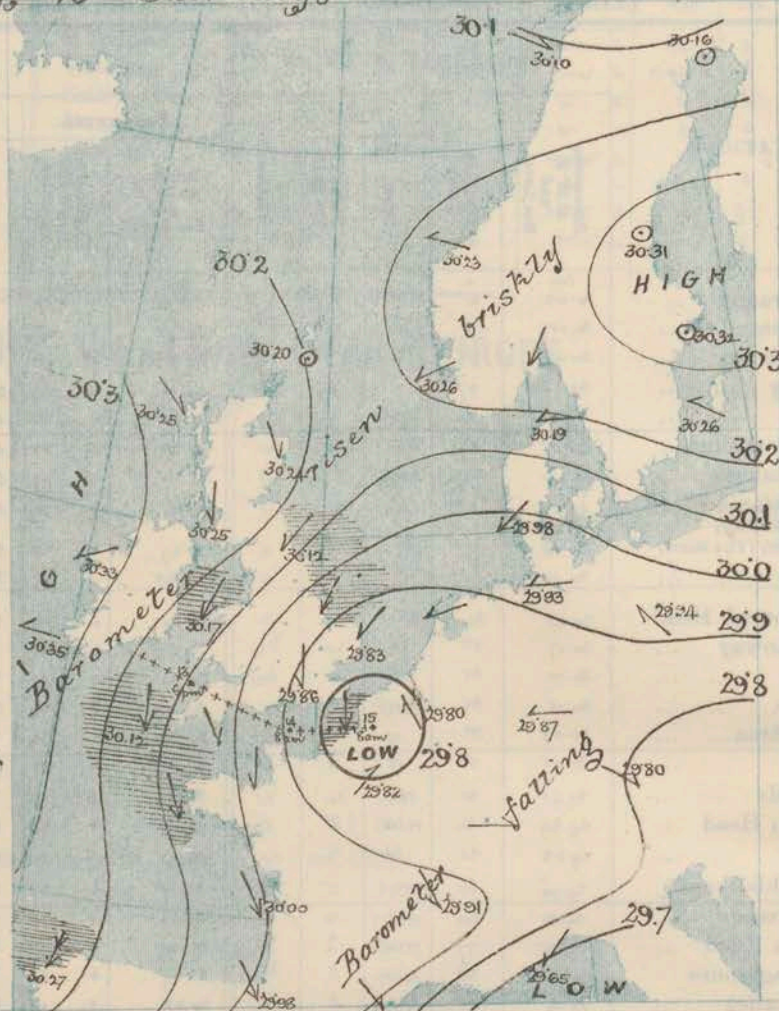
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 — forces above 10; — forces 8 to 10;
 — forces 5 to 7; — forces 1 to 4;
 ○ —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

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.718
Stornoway	29.700
Wick	29.737
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.905
Donaghadee	29.812
Holyhead	29.848
Liverpool	29.873
Parsonstown	29.884
Valencia	29.850
Roche's Point	29.850
Pembroke	29.875
Silly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.998
Cambridge	29.985
Yarmouth	29.998



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

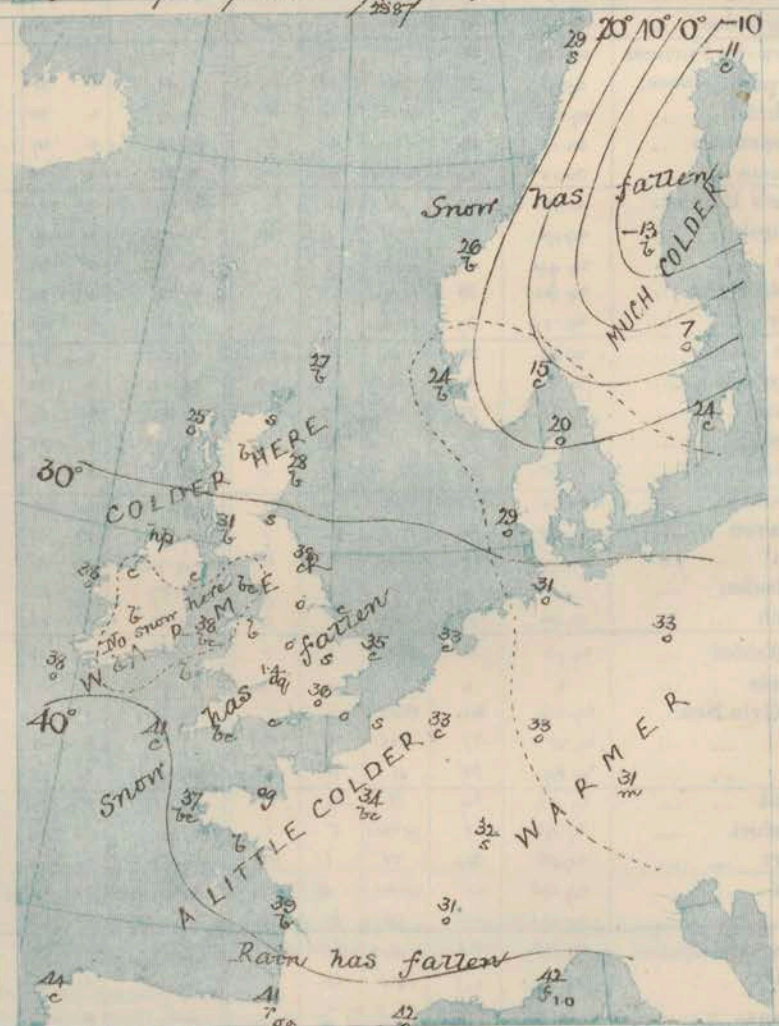
Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.
Weather — is shown by Letters of the Beaufort Scale.
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted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

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
 for the month of February.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	Dry at 8 a.m.	Wet	
Sumburgh Head	42.6	34.7	38.7	37.7	3.29
Stornoway	43.5	34.7	39.3	38.2	3.97
Wick	43.4	33.5	38.4	37.0	2.02
Nairn	43.4	33.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	46.6	34.7	39.2	37.7	1.58
Shields	44.3	35.7	39.2	37.9	1.63
York	45.3	34.2	38.2	37.1	1.88
Loughborough	46.0	34.5	38.4	37.3	2.00
Ardrossan	45.0	36.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.90
Liverpool	45.2	36.9	39.9	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	5.29
Roche's Point	48.9	40.0	43.6	42.2	4.86
Pembroke	48.2	40.3	43.1	41.9	3.20
Silly	49.7	43.7	46.9	45.3	2.08
Jersey	47.6	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.63
Dover	45.4	37.4	40.8	39.1	2.12
LONDON	46.9	36.0	39.7	38.6	1.89
Oxford	45.9	35.9	38.8	37.7	2.06
Cambridge	46.4	33.9	38.3	37.3	1.60
Yarmouth	43.5	25.2	38.9	38.2	2.02

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.3 in. and more in the West of Ireland, and also over Sweden.
Lowest 29.8 in. and less over Belgium and the northeast of France and over Austria, 29.7 in. and less over the Gulf of Genoa.
Gradients steep in the southeast of France, moderate over England and the Channel, slight elsewhere. Barometer rising over Ireland, England and Scandinavia, falling over central and southern Europe.

TEMPERATURE

Highest 42° at Perpignan and Nice, 41° at Biarritz and Seilly, 40° at Lisbon, and 38° at Valencia.
Lowest -13° at Hernersand, -11° at Kaparanda, +15° at Zaardev, 22° to 28° in the North of Scotland and over central Ireland, 31° at Munich.
It has been as low as 16° at Wick, 18° at Nairn, and 23° at Parsonstown during the night. In London the minimum was 32°.

WIND

NW³ light in the North of Scotland, E⁴ on the eastern shores of the North Sea, NE³ and N³ over Ireland, England and the N. of France.
(Strong at the southern stations, though moderate elsewhere)
S³ at Brussels, SW³ to W³ in the East of France, and NE³ in the South.
[Strong NE³ squalls occurred on our northeast coasts last night with snow.]

WEATHER

Fine at present over Norway, and the greater parts of Scotland and Ireland, changeable and squally over England and France, with snow in places, dull over Germany and the South of France.
Heavy snow has fallen at Oxford and considerable quantities at several other stations; heavy rain at Nice.
Lightning occurred in the southwest of England last night.]

SEA

Rough in the Irish and English Channels (French side) and on our Northeast coasts, slight to smooth in the far North.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the disturbance over Belgium fills up the N. winds will probably hush over England, where, with the increased tendency to anticyclonic conditions, the night will probably be very cold but dry.

It is uncertain at present whether the depression over Austria will advance northwards towards our coasts.

FORECASTS

for the 24 hours ending at NOON on 16th February 1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW ³ and W ³ winds, moderate; fair to showery, becoming rather milder.
1	SCOTLAND EAST	D ¹ D ¹ D ¹
2	ENGLAND N.E.	NE ³ and N ³ winds, moderate to light; some snow showers, then finer and very frosty.
3	ENGLAND EAST	Same as N ^o 5.
4	MIDLAND COUNTIES	Same as N ^o 2.
5	ENGLAND SOUTH	N ³ winds, strong to light; some snow, fine, and very frosty at night.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as N ^o 0 and 1.
7	ENGLAND N.W.	N ³ winds moderating; some snow, then fair.
8	ENGLAND S.W.	D ¹ D ¹ D ¹
9	IRELAND NORTH	N ³ winds, moderate to light; fair, very cold.
10	IRELAND SOUTH	D ¹ D ¹ D ¹
WARNINGS		The NORTH CONE has been lowered this morning in districts 5 and 8.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.05	30	28	ENE 1	bc	3	Holyhead ...	29.90	39	36	NNE 6	c	6
Sumburgh Head ...	30.04	32	30	NNE 2	o	2	Valencia ...	30.12	42	40	NW 2	cp	2
Stornoway ...	30.73	32	32	N 4	o	3	Scilly ...	29.88	42	39	NNW 7	chsp	6
Aberdeen ...	30.03	37	35	NNW 1	bc	1	Dungeness ...	29.55	39	37	S 6	rspq	5
Shields ...	29.88	38	36	E 3	cs	4	London ...	29.96	37	35	ENE 1	omrs	*
Ardrossan ...	30.00	38	38	NNW 2	b	1	Yarmouth ...	29.61	37	36	SSE 4	r	4
Malin Head ...	30.07	39	36	NNE 2	b	2	Jersey ...	29.63	33	33	NW 5	s	4
Mullaghmore ...	30.06	40	37	NNE 2	bc	2	Rocheport ...	29.97	48	43	NNW 4	b	2
Belmullet ...	30.11	41	37	NNW 3	c	*							

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

The reports for yesterday morning showed that pressure was highest 30.5 ins. and upwards over the southern part of Russia, and lowest 29.6 ins. and less in a well defined depression which had advanced from the mouth of the Bristol Channel to the southeast of England. Over eastern Finland however, there was a larger and shallower depression, in which readings were below 29.7 ins. The wind varied considerably in different localities. Over northwestern Europe it circulated round the English depression, being moderate from the N. in the West and North of our Islands, strong from the NW^W over the mouth of the Channel, and the West of France, and S. or SE. over the Netherlands, Denmark, the southeast of England, and the northeast of France. Over the Baltic however, W. (NW to SW) breezes were reported, and in Spain and the extreme South of France NE^E breezes, while over Algeria, Italy and Central Europe generally, the wind was light and very variable. The weather was in every changeable unsettled state with snow in many parts of northwestern and northern Europe, and rain at several of the French and Spanish stations. Temperature had risen a little in the North of our Islands, and also in Scandinavia, the Netherlands and Austria, but fallen elsewhere; readings ranged from 55° and upwards in Algeria, Spain and southern Italy, to 15° and less over Central Austria, and to 5° and less over Lapland and northern Russia. The highest individual readings were 56° at San Fernando, Palermo and Malta, 55° at Spax and Nemun, 54° at Cagliari and Biskra, 53° at Oran, and 52° at La Calle; the lowest were -1° at Hernösand, +3° at Haparanda, 6° at Archangel, 8° at Uleaborg, 9° at Hermanstad, 15° at Stockholm and Kuopio, and 16° at Halvingfors.

In the course of the day the depression over the southeast of England continued to move slowly eastwards, and the wind in that neighbourhood shifted to the NW^W. The weather however, remained very unsettled, and over our southern and midland counties very heavy falls of snow were experienced.

GENERAL REMARKS ON THE WEATHER FOR 24 HOURS ENDING AT 8 A.M. FEBRUARY 14TH

The reports for yesterday morning showed that while the highest pressures of all (30.5 ins. and upwards) were reported over southern Russia, relatively high pressures existed over the whole of eastern and southern Europe. The lowest readings 29.3 ins. and less, were found in a small depression lying over the North of Scotland, but another small disturbance with readings below 29.5 ins. lying over the Sound, while a third system with readings below 29.9 ins. was reported over the Gulf of Genoa. Moderate or fresh W. breezes prevailed over the greater part of our Islands, and SW^W breezes over the Netherlands and the northern parts of Germany and France. Over eastern and northern Europe however, the wind was very light and variable, while in Italy, the extreme South of France it circulated round the depression lying over the Gulf of Genoa. Rain was falling in the South of France and some parts of Spain, and snow in the West and North of the British Islands, but elsewhere the weather although cloudy was generally fair. Temperature had fallen in Scandinavia, the North of our Islands and the West and North of France, but risen elsewhere; readings ranged from 50° and upwards at the Algerian and a few of the Spanish and Italian stations, to 5° and less over southern Russia, and to a few degrees below zero over Lapland. The highest individual readings were 57° at Malta, 54° at Algiers, La Calle and Livourne, and 53° at Barcelona, Palma and Spax; the lowest were -4° at Haparanda, +3° at Charkov, 7° at Hermanstad, 8° at Uleaborg, and 10° at Hernösand.

Later in the day a small depression formed over the mouth of the Bristol Channel and moved slowly eastwards, occasioning heavy falls of snow over the West and South of England. The disturbance in the North of Scotland partially dispersed.

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 16th February

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 ..	30.31	-15	Z	0	b	30.36	+20	-7	-7	+14	Z	0	f	*	5	-17	-		
Hernösand ...	30.44	-6	Z	0	b	30.47	+16	-7	-7	+6	Z	0	b	*	10	-13	-		
Stockholm ...	30.38	10	NW	2	0	30.39	+07	15	?	+8	NE	4	0	*	16	3	-		
Wisby ...	30.28	30	ESE	4	0	30.21	-05	28	27	+14	ESE	6	S	*	34	23	0.08		
Bodö ...	30.17	28	E	4	0	30.20	+10	25	24	-4	E	2	b	1	34	23	-		
Christiansund...	30.34	25	ESE	1	b	30.37	+14	24	22	-2	ESE	1	b	2	28	19	-		
Skudesnaes ...	30.36	24	ESE	1	b	30.39	+13	25	22	+1	NNE	2	b	2	?	?	-		
Christiania Fjord (Færder)	30.35	21	NNE	5	b	30.38	+12	20	18	+5	NNE	6	b	2	21	15	-		
Skagen (The Scaw)	30.25	21	Z	6	0	30.26	+07	21	20	+7	NNE	6	0	4	21	19	-		
Fanö ...	30.04	20	NE	6	S	30.06	+08	26	26	-3	NE	6	S	*	32	25	0.04		
BRITISH ISLANDS.																			
Sumburgh Head	30.27	30	Z	0	b	30.28	+08	35	33	+8	SW	1	bc	1	40	27	-		
Stornoway ...	30.27	28	Z	0	c	30.25	00	36	36	+11	SW	5	b	4	36	22	-		
Wick ...	30.30	19	Z	0	b	30.31	+11	24	23	-2	W	1	b	0	34	10	0.08		
Nairn ...	30.28	31	NW	2	bc	30.34	+07	14	14	-8	Z	0	b	0	32	9	-		
Aberdeen...	30.31	24	Z	0	b	30.39	+15	10	10	-18	W	1	b	1	36	10	-		
Leith ...	30.31	36	ESE	2	b	30.39	+17	21	21	-12	WSW	1	m	*	39	19	0.01		
Shields ...	30.24	36	NNE	3	c	30.33	+21	36	33	-2	NE	3	c	4	39	33	-		
Spurn Head ...	30.08	34	NNE	7	bc	30.23	+27	36	34	-2	NNE	6	c	6	38	33	0.06		
York ...	30.18	35	N	4	c	30.30	+21	33	31	-1	N	3	c	*	38	32	0.02		
Loughborough	30.15	34	N	3	0	30.24	+26	31	29	-3	NNE	4	b	*	38	31	0.08		
GERMANY.																			
Ardrossan ...	30.30	32	N	1	b	30.39	+14	23	23	-8	ESE	1	b m	1	38	21	-		
Malin Head ...	30.32	32	SSE	3	b	30.36	+07	31	31	-4	SSE	2	b m	2	37	29	-		
Mallaghmore ...	30.30	35	SE	1	c	30.35	+06	29	28	-7	E	1	b	1	44	29	-		
Belmullet ...	30.30	34	SSE	3	TS	30.34	+01	33	31	-5	SE	4	c	*	40	31	0.22		
Donaghadee ...	30.31	37	NE	5	b	30.38	+15	34	33	-3	E	3	b	2	39	33	-		
Barrow-in-Furness	30.24	35	N	2	b	30.34	+18	30	28	-3	N	2	b	*	40	27	-		
Liverpool (Bidston)	30.25	35	NNE	3	bc	30.35	+23	31	29	-2	N	2	b	3	37	30	-		
Holyhead ...	30.27	38	NNE	5	bc	30.35	+18	32	30	-6	ESE	2	b	2	40	32	-		
Parsonstown ...	30.33	33	Z	0	0	30.38	+08	21	20	-6	Z	0	b	*	39	20	-		
Valencia ...	30.35	38	E	1	rm	30.34	-01	33	31	0	ESE	2	o m	3	45	36	0.36		
FRANCE & NETHERLANDS.																			
Roche's Point...	30.32	38	NW	3	c	30.32	+06	33	32	-1	E	3	b	4	40	30	-		
Pembroke ...	30.24	37	NNE	3	b	30.30	+19	32	30	-5	NE	2	b	1	41	30	-		
Scilly ...	30.22	40	NW	5	c, sh	30.23	+11	38	35	-3	NNE	5	c	4	42	35	0.03		
Prawle Point ...	30.18	34	NW	4	bc	30.20	+17	30	28	-2	N	6	b	5	41	26	-		
Jersey ...	30.09	40	NNE	4	0	30.06	+11	37	34	-1	N	6	omsp	5	41	36	0.03		
NETHERLANDS.																			
Hurst Castle ...	30.08	36	NNE	6	os	30.10	+17	34	33	0	NE	7	c	4	40	29	-		
Dungeness ...	29.90	35	N	5	c	29.97	+18	35	34	+2	NE	5	S	5	39	32	0.14		
London ...	30.05	35	NNE	5	bcsp	30.11	+25	34	32	-2	NNE	6	osp	*	37	33	0.05		
Oxford ...	30.13	33	NNE	4	c	30.19	+24	31	30	-3	N	4	csp	*	37	30	0.06		
Cambridge ...	30.03	33	N	3	c	30.15	+24	34	32	0	N	3	0	*	36	31	0.05		
GERMANY.																			
Yarmouth ...	29.94	35	NNE	6	ogrs	30.07	+24	35	34	0	NE	8	o q	6	36	32	0.27		
Cuxhaven ...	29.94	31	NE	4	3	29.92	-01	30	30	-1	NE	6	S	*	31	30	-		
Berlin ...	29.81	35	NE	2	0	29.80	-14	33	32	0	E	2	b	*	36	32	-		
Wiesbaden ...	*	*	*	*	*	29.65	-22	35	32	+2	NNE	1	0	*	37	32	0.08		
Munich ...	29.71	30	W	2	0	29.63	-17	30	30	-1	W	3	0	*	34	28	0.08		
FRANCE & NETHERLANDS.																			
The Helder ...	29.93	33	NE	4	0	29.97	+14	33	32	0	NNE	5	0	4	34	30	-		
Brussels ...	*	*	*	*	*	29.89	+09	32	32	-1	N	4	S	*	37	30	0.04		
Cape Gris Nez...	29.99	35	NE	7	0	29.93	+15	33	33	-2	ESE	7	S	5	39	30	2.25		
Paris ...	29.89	34	NW	3	0	29.88	+06	31	30	-3	N	3	0	*	40	30	-		
Brest ...	30.14	38	NW	8	T	30.24	+15	35	32	-2	NNE	5	0	5	45	32	0.16		
FRANCE & NETHERLANDS.																			
Lorient ...	30.12	38	NNE	5	bc	30.12	+09	37	33	-1	N	7	b	4	41	34	-		
Rochefort ...	30.07	40	N	7	0	30.05	+05	37	34	-2	N	8	0	3	43	30	-		
Belfort ...	29.84	32	NW	1	0	29.73	-10	31	30	-1	NW	1	0	*	34	27	0.20		
Lyons ...	29.86	34	NW	4	0	29.82	-09	30	27	-1	NW	5	e	*	37	30	-		
Nice ...	29.57	32	S	4	b	29.49	-16	34	33	-8	ESE	3	0	0	55	32	0.04		
FRANCE & NETHERLANDS.																			
Perpignan ...	29.92	37	NW	5	S	29.89	+02	35	34	-7	NW	4	S	*	44	34	-		
Biarritz ...	30.08	42	N	6	c	30.08	+10	34	33	-7	NW	3	S	3	46	30	0.39		
PENINSULA.																			
Corunna ...	*	*	*	*	*	30.13	-12	40	38	0	NNE	7	b	2	54	37	-		
Lisbon ...	30.23	46	N	7	b												-		

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Thursday, 16th February,

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.

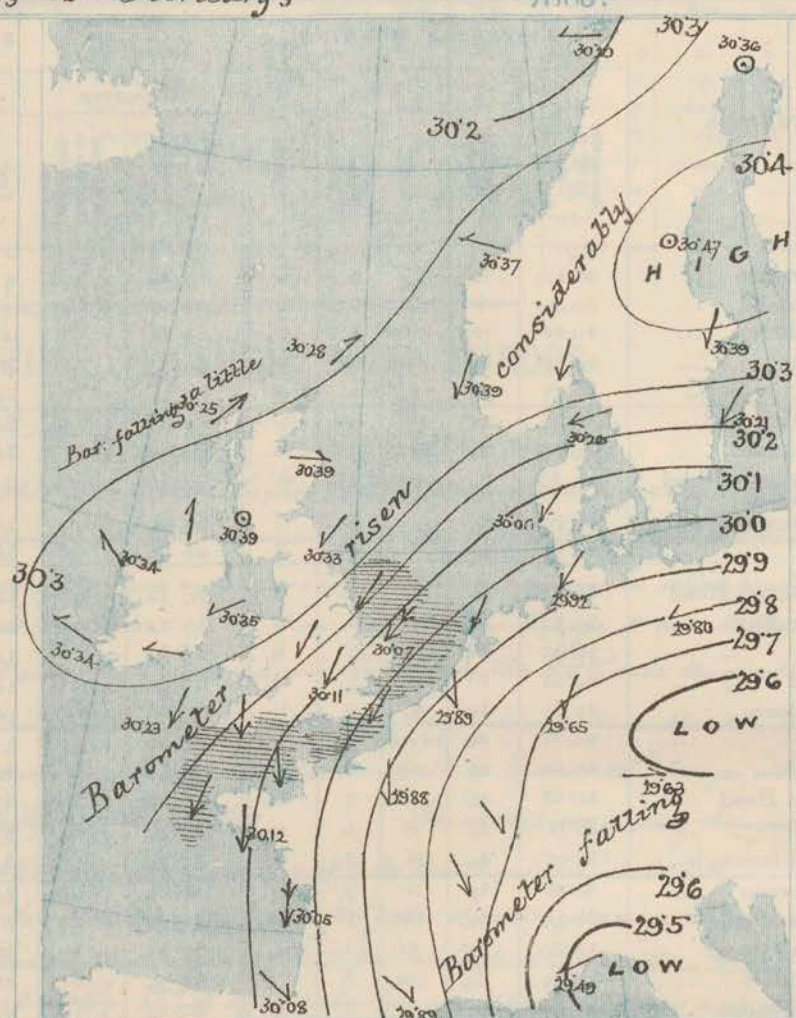
Sea Disturbance — where considerable is shown thus,

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS
Sumburgh Head	29.718
Stornoway	29.700
Wick	29.787
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.805
Donaghadee	29.812
Holyhead	29.848
Liverpool	29.873
Parsonstown	29.884
Valencia	29.850
Roche's Point	29.850
Pembroke	29.875
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.938
Cambridge	29.935
Yarmouth	29.928



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

Temperature — Isotherms are drawn for each 1° change since previous morning are stated in words.

Weather — is shown by Letters of the Beaufort Scale.

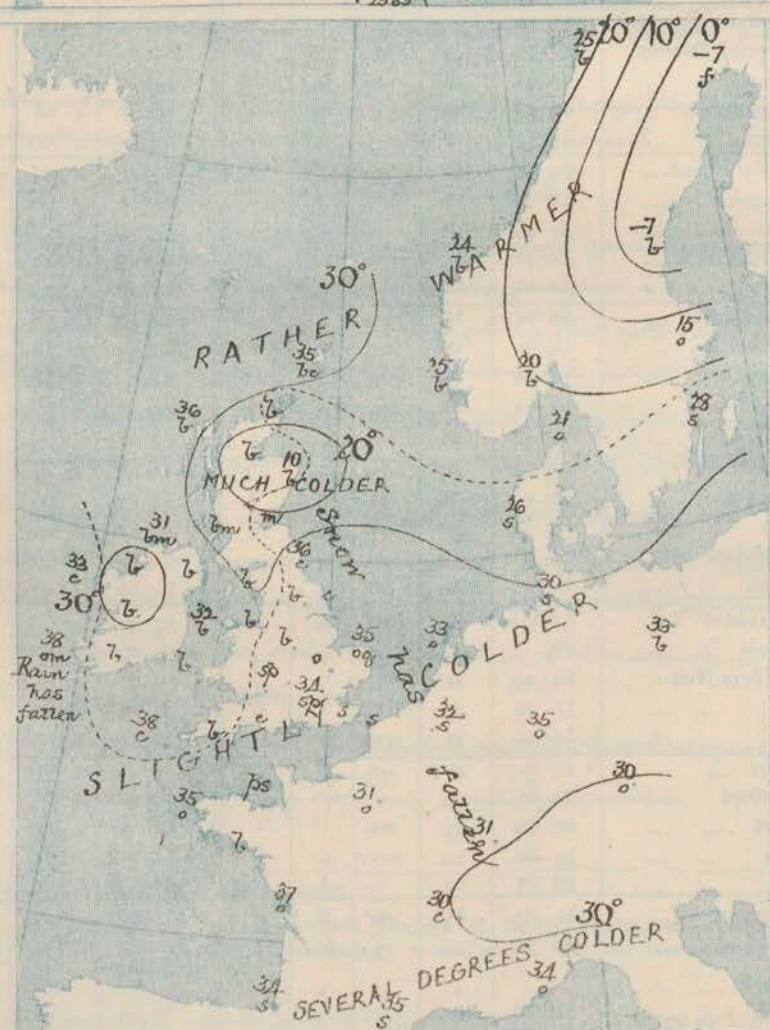
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of February.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.6	34.7	38.7	37.7	2.29
Stornoway	43.5	34.7	39.3	38.2	3.97
Wick	43.4	33.5	38.4	37.0	2.02
Nairn	43.4	33.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	40.6	34.7	39.2	37.7	1.58
Shields	44.3	35.7	39.2	37.9	1.03
York	45.3	34.2	38.2	37.1	1.88
Loughborough	46.0	34.5	38.4	37.3	2.00
Ardrossan	45.0	36.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.90
Liverpool	45.3	36.9	39.0	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	5.29
Roche's Point	48.9	40.0	43.6	42.2	4.86
Pembroke	46.2	40.3	43.1	41.9	3.30
Scilly	49.7	43.7	46.9	45.3	2.08
Jersey	47.6	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.63
Dover	45.4	37.4	40.3	39.1	2.12
LONDON	46.9	36.0	39.7	38.6	1.89
Oxford	45.9	35.9	38.8	37.7	2.06
Cambridge	46.4	38.9	38.3	37.3	1.60
Yarmouth	43.5	35.2	38.9	38.2	2.02

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in. and more, over Ireland, Scotland and Scandinavia; 30.4 in. and more over Sweden and Finland.
 Lowest, 29.5 in. and less, over the Gulf of Genoa, 29.6 in. and less over Germany. The Belgian depression has filled up, those over Central and Southern Europe have grown deeper.
 Gradients moderate in south and east; very slight in west and east.
 Barometer rising except over the Continent and in the Hebrides.

TEMPERATURE

Highest, 40° at Lisbon, 38° at Valencia and Seilly, 37° at Jersey, Lorient, and Rochefort.
 Lowest, -7° F. at Haparanda and Kungöland, +10° at Aberdeen, 14° at Kain, and 24° at Larnacetown and Leith.
 The frost has been very severe over Scotland and Ireland during the night.

WIND

Light and variable (but chiefly NE^{ly}) in the west and north. Fresh SW^{ly} at Hornøya.
 Very strong NE^{ly} and N^{ly} in the southeast and south—a moderate gale in places.
 In the East of France the wind is NW^{ly} and in South Germany W^{ly}.

WEATHER

Fine and bright in the west and north, cloudy in the south and east, with snow in several places.
 A good deal of snow has fallen at some of the southerly and the Continental stations, but very little elsewhere.

SEA

Rough in the east and south, moderate in the far north, smooth at Holyhead.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no indication of any important change of weather at present.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SW ^{ly} and W ^{ly} winds, falling to calm; unsettled, cold.
1	SCOTLAND EAST	Calms and variable airs; fine, cold.
2	ENGLAND N.E.	Same as No 4.
3	ENGLAND EAST	Same as No 5.
4	MIDLAND COUNTIES	NE ^{ly} breezes; fair, very cold.
5	ENGLAND SOUTH	NE ^{ly} and N ^{ly} winds, strong; cold, some cold showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Very light breezes; fair, very cold.
7	ENGLAND N.W.	.....D°.....D°.....D°.....
8	ENGLAND S.W.	NE ^{ly} breezes, fresh; fair, cold.
9	IRELAND NORTH	Same as No 6
10	IRELAND SOUTH	Same as No 6

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.30	31	26	NNE 1	b	2	Holyhead ...	30.23	39	36	NNE 5	b	5
Sumburgh Head ...	30.25	32	29	2 0	bc	0	Valencia ...	30.37	44	40	ESE 1	cv	1
Stornoway ...	30.28	33	33	2 0	c	2	Scilly ...	30.19	40	38	NNE 5	c	4
Aberdeen ...	30.29	33	31	NW 2	b	1	Dungeness ...	29.87	39	36	N 4	c	3
Shields ...	30.19	38	34	NE 3	c	5	London ...	29.98	37	35	NE 5	crsp	*
Ardrossan ...	30.29	38	35	N 1	b	1	Yarmouth ...	29.89	36	35	NNE 6	cgtsr	5
Malin Head ...	30.32	37	37	ESE 3	c	2	Jersey ...	30.03	40	36	NW 3	o	3
Mullaghmore ...	30.32	41	36	2 0	c	0	Rocheport ...	30.04	41	38	NW 7	c	2
Belmullet ...	30.34	39	37	3 3	o	*							

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

The reports for yesterday morning showed that pressure was highest 30.5 ins. and upwards over the Central and southern parts of Russia, but high 30.3 ins. and upwards to the westward of the British Isles. The lowest readings, 29.7 ins. and less, were found in a depression lying over the Gulf of Genoa, but another disturbance, with readings below 29.8 ins. was shown over the northeast of France. The latter system was identical with that reported on the previous day over the south-east of England. Varying N^w (NW to NE) winds were reported over the greater part of Western Europe, and over the Channel and Bay of Biscay, they were strong, in force. Over Central and Eastern Europe, however, the wind was moderate from the SE^w, while in Scandinavia it was E^w or NE^w. The weather was fair in Ireland, Scotland, Norway, and the greater part of Spain, but cloudy elsewhere, with snow showers at several of the English stations, continuous snow in Switzerland and rain at Tangier and Algiers. Temperature had changed rather irregularly, but the general tendency was for a fall; readings ranged from between 50° and 60° in Algeria, and from 45° or upwards in Southern Austria and some parts of Spain to 15° or less over the north of Sweden. The Italian reports were not to hand. The highest individual readings were 61° at Biskra, 59° at Nemours, 58° at Oran and La Calle, 56° at Sfax, 55° at Algiers and 53° at Ferme; the lowest were -13° F. at Nemours, -11° at Haharanda, -7° at Kuspio, 0° zero at Ulesborg, +4° at Hango, 7° at Hermannstadt and Stockholm and 12° at Helsingfors.

In the course of the day, the depression over the northeast of France gradually filled up, and the weather over England improved slightly. Severe frost was experienced over Scotland at night. The newspapers report that very heavy snow fell in Switzerland 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 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 17th February 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. 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 2.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)				Dry.	Wet.		Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ..	30.32	5	Z	0	O	30.27	-0.9	-2	-2	+5	Z	0	S	*	7	-18	-		
Hernösand ...	30.39	-8	Z	0	b	30.31	-1.6	-17	-17	-10	Z	0	b	*	19	?	-		
Stockholm ...	30.33	19	NE	2	O	30.18	-2.1	19	18	+4	NE	2	O	*	23	7	-		
Wisby ...	30.18	29	NE	6	O	30.04	-1.7	28	27	0	E	4	O	*	30	27	0.43		
Bodö ...	30.12	30	E	4	S	30.02	-1.8	30	26	+5	ESE	2	O	1	30	25	-		
Christiansund...	30.25	30	ESE	3	b	30.06	-3.1	29	28	+5	ESE	3	b	2	30	?	-		
Skudesnaes ...	30.32	30	ESE	2	b	30.18	-2.1	25	23	0	ESE	1	C	3	3	25	-		
Christiania Fjord (Færd)	30.33	23	NNE	6	b	30.17	-2.1	21	20	+7	NNE	5	b	2	23	16	-		
Skagen (The Scaw)	30.21	22	ESE	7	O	30.05	-2.1	22	21	+1	ESE	5	O	4	23	19	-		
Fanö ...	30.04	27	NE	6	S	29.94	-1.2	26	26	0	NE	6	O	*	28	25	0.12		
BRITISH ISLANDS.																			
Sumburgh Head	30.16	36	S	3	C	30.06	-2.2	33	32	-2	N	1	b	3	38	31	0.17		
Stornoway ...	30.11	38	SW	6	O	30.18	-0.7	37	36	+1	N	5	O	4	39	30	0.20		
Wick ...	30.16	35	ESE	3	O	30.12	-1.9	35	34	+11	NW	2	b	1	36	23	0.25		
Nairn ...	30.15	35	W	2	O	30.13	-2.1	34	33	+20	NW	2	b	2	37	11	0.16		
Aberdeen...	30.28	23	WSW	1	b	30.08	-3.1	36	35	+26	NW	1	om	1	36	10	0.11		
Leith ...	30.31	34	W	1	b	30.11	-2.8	33	33	+12	W	1	cm	*	38	20	0.16		
Shields ...	30.30	36	NNE	2	C	30.11	-2.2	29	29	+7	NW	1	O	3	38	25	-		
Spurn Head ...	30.16	35	N	5	b	30.06	-1.7	35	33	-1	N	4	b	5	39	33	-		
York ...	30.28	34	N	2	b	30.11	-1.9	30	30	-3	N	3	O	*	38	25	-		
Loughborough	30.26	32	N	2	b	30.10	-1.4	29	27	-2	NW	2	om	*	39	24	-		
GERMANY.																			
Ardrossan ...	30.30	37	SW	3	b	30.14	-2.5	35	35	+12	NW	1	C	1	38	22	-		
Malin Head ...	30.28	36	SW	3	O	30.22	-1.4	41	38	+10	N	3	b	3	44	31	0.04		
Mullaghmore ...	30.24	38	ESE	1	om	30.25	-1.0	42	40	+13	N	6	cg	4	44	29	0.10		
Belmullet ...	30.30	41	SW	5	op	30.32	-0.2	42	40	+9	N	5	b	*	45	32	0.10		
Donaghadee ...	30.33	33	SW	3	b	30.14	-2.4	41	39	+7	NNE	5	C	3	42	30	0.07		
Barrow-in-Furness	30.24	34	N	2	b	30.11	-2.3	28	28	-2	NNE	2	OS	*	38	27	0.20		
Liverpool (Bidston)	30.32	38	N	2	b	30.13	-2.2	30	29	-1	WSW	1	S	1	37	29	0.06		
Holyhead ...	30.33	36	N	1	b	30.08	-2.7	40	40	+8	NW	5	og	4	41	30	0.06		
Parsonstown ...	30.35	35	Z	0	b	30.24	-1.4	37	36	+16	Z	0	C	*	41	20	0.06		
Valencia ...	30.38	42	WSW	2	OV	30.30	-0.4	46	42	+8	N	5	om	5	47	38	0.12		
Roche's Point...	30.36	40	SE	2	b	30.19	-1.3	42	41	+9	N	4	C	3	44	33	0.01		
Pembroke ...	30.30	35	NNE	3	b	30.12	-1.8	36	36	+4	NW	2	og	0	38	31	0.02		
Seilly ...	30.27	39	NNE	6	b	30.14	-0.9	43	43	+5	NW	4	op	4	43	36	0.01		
Prawle Point ...	30.23	32	NNE	5	b	30.12	-0.8	30	28	0	NW	3	O	2	39	27	-		
Jersey ...	30.10	38	NNE	7	og	30.05	-0.1	34	30	-3	NNE	4	cm	4	39	33	-		
FRANCE & NETHERLANDS.																			
Hurst Castle ...	30.16	35	NE	7	C	30.06	-0.4	29	28	-5	NNE	4	om	2	39	24	-		
Dungeness ...	29.97	35	NE	6	O	29.90	-0.7	34	33	-1	NNE	5	C	4	36	33	0.03		
London ...	30.13	34	NNE	5	O	30.01	-1.0	32	30	-2	N	2	og	*	36	31	-		
Oxford ...	30.22	30	N	4	b	30.07	-1.2	26	25	-5	NW	2	O	*	35	22	-		
Cambridge ...	30.16	33	N	4	O	30.02	-1.3	31	30	-3	N	2	O	*	36	29	-		
Yarmouth ...	30.07	35	NNE	8	og	29.95	-1.2	34	33	-1	NNE	7	og	6	36	33	0.05		
Cuxhaven ...	29.92	32	NE	6	O	29.88	-0.4	31	31	+1	E	4	O	*	32	30	-		
Berlin ...	29.81	34	E	3	b	29.76	-0.4	30	29	-3	ESE	3	O	*	37	30	-		
Wiesbaden ...	*	*	*	*	*	29.62	-0.3	36	35	+1	N	3	S	*	37	35	0.04		
Munich ...	29.62	29	W	2	S	29.63	-0.0	26	26	-4	SW	2	b	*	32	25	0.04		
PENIN. ISL.																			
The Helder ...	29.96	33	NE	7	O	29.85	-1.2	32	32	-1	NE	4	S	3	34	32	0.08		
Brussels ...	*	*	*	*	*	29.86	-0.3	31	31	-1	NNE	4	S	*	33	31	0.20		
Cape Gris Nez...	29.91	35	NE	9	O	29.86	-0.7	36	34	+3	NE	8	O	7	37	33	0.24		
Paris ...	29.77	31	NW	4	S	29.79	-0.9	32	31	+1	N	5	O	*	33	31	0.28		
Brest ...	30.14	36	NNE	5	O	30.16	-0.8	35	31	0	NNE	3	C	4	43	30	-		
Lorient ...	30.08	39	NNE	8	O	30.08	-0.4	34	30	-3	N	5	b	4	39	32	-		
Rochefort ...	29.99	36	NNE	7	O	29.90	-1.5	36	34	-1	NW	9	S	3	41	28	0.24		
Belfort ...	29.71	34	NW	1	S	29.68	-0.5	30	30	-1	NW	1	S	*	37	28	0.08		
Lyons ...	29.78	31	N	5	S	29.75	-0.7	30	29	0	NW	4	S	*	34	28	0.04		
Nice ...	29.48	40	E	1	O	29.59	+1.0	33	32	-1	ESE	1	C	2	46	30	-		
Perpignan ...	29.83	35	W	4	b	29.81	-0.8	32	28	-3	NW	4	b	*	43	32	-		
Biarritz ...	29.93	39	NW	11	T	29.91	-1.7	38	32	-1	ESE	1	S	5	39	30	0.64		
PENIN. ISL.																			
Corunna ...	*	*	*	*	*														
Lisbon ...	30.07	47	N	7	b	30.12	-0.1	40	36	0	N	5	b	2	54	40	0.04		

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

WEATHER CHARTS

for 8 a.m. on

Friday, 17th February,

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.

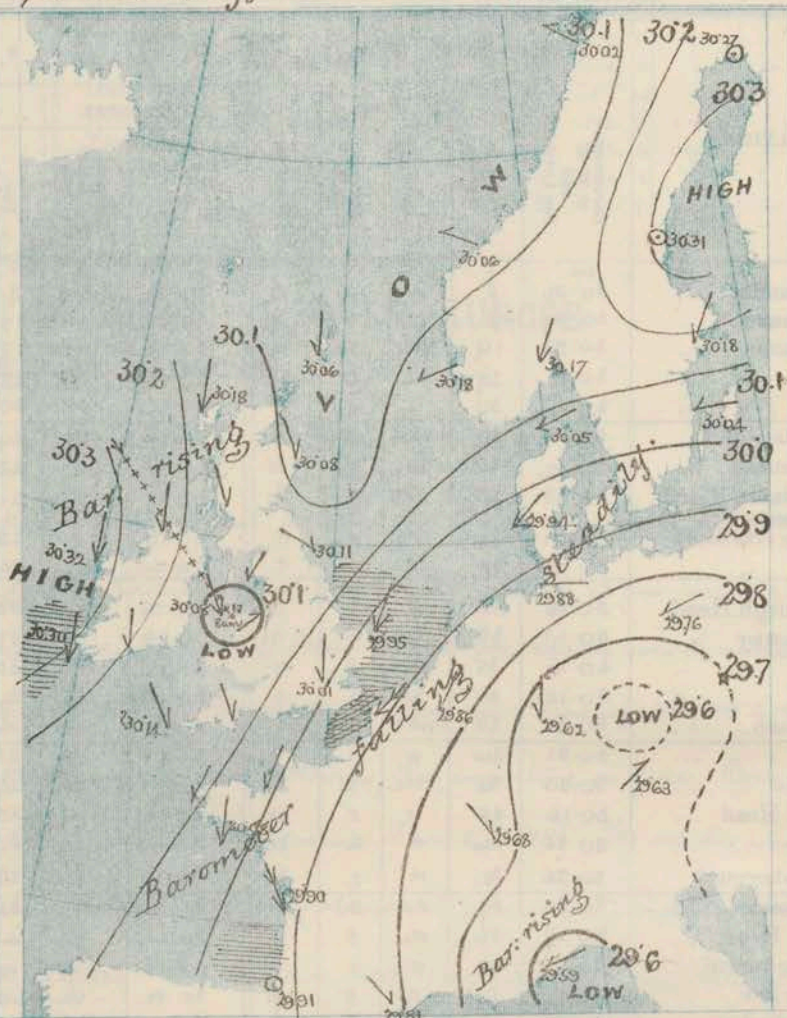
— Rough — High

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS	MEAN READINGS.
	in.
Sumburgh Head	29.718
Stornoway	29.700
Wick	29.737
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.805
Donaghadee	29.812
Holyhead	29.849
Liverpool	29.873
Parsonstown	29.834
Valencia	29.850
Roche's Point	29.850
Pembroke	29.875
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.938
Cambridge	29.985
Yarmouth	29.928



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

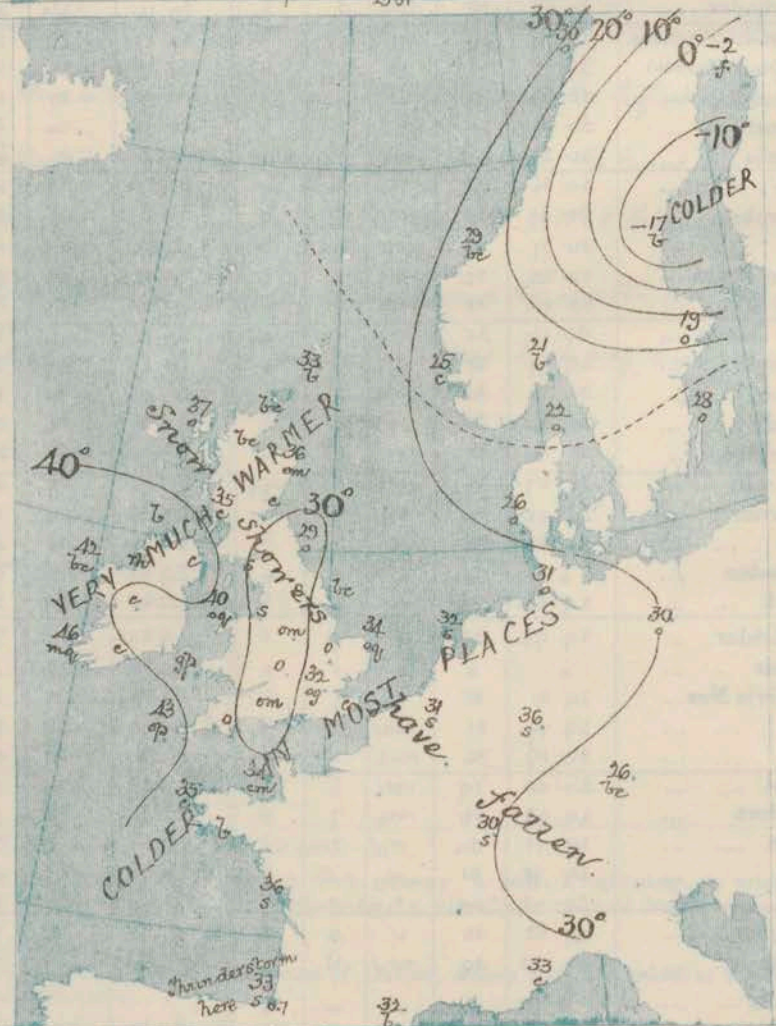
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of February

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min	at 3 a.m.		
			Dry	Wet	
Sumburgh Head	42.6	34.7	38.7	37.7	3.29
Stornoway	43.6	34.7	39.3	38.2	3.97
Wick	43.4	33.5	38.4	37.0	2.02
Nairn	43.4	33.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	46.6	34.7	39.2	37.7	1.58
Shields	44.3	35.7	39.2	37.9	1.63
York	45.3	34.2	38.2	37.1	1.88
Loughborough	46.0	34.5	38.4	37.3	2.00
Ardrossan	45.0	36.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.90
Liverpool	45.3	36.9	39.9	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	5.29
Roche's Point	48.9	40.0	43.6	42.2	4.86
Pembroke	46.2	40.3	42.1	41.9	3.20
Scilly	49.7	43.7	46.9	45.3	2.08
Jersey	47.6	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.63
Dover	45.4	37.4	40.3	39.1	2.12
LONDON	46.9	36.0	39.7	38.6	1.59
Oxford	45.9	35.9	38.8	37.7	2.06
Cambridge	46.4	33.9	38.3	37.3	1.60
Yarmouth	43.5	35.2	38.9	38.2	2.02

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, 30.3 in: and more, in an anticyclone lying off the west of Ireland, and in another over Finland and the east of Sweden.
 Lowest, 29.6 in: over the Gulf of Lyons, and in a depression lying over the southeast of Germany.
 Gradients slight in the north, moderate, but variable in the south.
 Barometer unsteady - but as a whole, rising in the northwest, falling slowly elsewhere, except over S Germany and Lombardy.

TEMPERATURE

Highest, 46° at Valencia, 43° at Bilby, 41° at Rocher point and Belmullet, and 41° at Donaghadee.
 Lowest, -17° at Hemsand, -2° at Haparanda, +21° at Tander, 26° at Oxford, 28° at Ramstein, 30° at York.
 It has risen rapidly in Ireland and Scotland since yesterday, as much as 26° at Aberdeen and 20° at Harim.

WIND

Calm in Sweden - light E in the east of Norway - very light NW in the east of Scotland.
 Generally N to NE at our other stations and in the north and east of France.
 It is strong at our northwestern stations, moderate in the southwest, strong to a gale in the southeast and on the French coast.
 In the southeast of France the wind is NW.

WEATHER

Fine at several of the northern stations, cloudy elsewhere, with snow in several localities and hail in some.
 Snow has fallen very generally in the west and north. In the south the falls have been slight except on the Continent.

SEA

Rough in the east and southeast, and apparently over the Bay of Biscay also. Moderate as a whole elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

1. The depressions over Germany and Central France do not appear to be filling up yet.
2. The new local disturbance near Holyhead will probably move southwards during the day, and as it does so snow will probably fall in the southwest and south, and the wind increase on our east coasts.

FORECASTS

for the 24 hours ending at NOON on 18th Feby. 1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	N ^w Winds, increasing in strength; snow at times.
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 and N ^w Winds, strong to a gale; very cold with snow at times.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	N ^w Winds, strong; squally, some 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	Same as N°6.

WARNINGS

The north cone is flying in districts 3, 5, and parts of 2 and 8.

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.	Sec.		Bar.	Dry.	Wet.	Wind.	Wes.	Sec.
Skudesnaes ...	30.37	31	28	ENE 1	6	2	Holyhead ...	30.35	37	34	NNE 3	6	2
Sumburgh Head ...	30.22	37	35	SSW 2	0	2	Valencia ...	30.38	44	40	SSW 2	0	2
Stornoway ...	30.18	39	38	SW 5	0	4	Scilly ...	30.25	40	36	NE 6	0	4
Aberdeen ...	30.34	29	28	WSW 1	6	1	Dungeness ...	29.97	36	34	NNE 6	0	6
Shields ...	30.32	38	35	NE 3	0	4	London ...	30.12	36	33	NNE 6	0	6
Ardrossan ...	30.35	38	36	ENE 1	6	1	Yarmouth ...	30.08	36	34	NNE 7	0	6
Malin Head ...	30.31	37	34	SSW 3	6	3	Jersey ...	30.09	35	35	NNE 6	0	5
Mullaghmore ...	30.35	40	35	SSW 3	0	2	Rocheport ...	29.97	38	35	NNE 8	0	3
Belmullet ...	30.33	40	38	SW 2	0	*							

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

The reports for yesterday morning showed that while the highest readings of all 30.5 ins. and upwards, were found in an anticyclone lying over central Russia, a long band of high pressure with readings above 30.3 ins. extended thence over the whole of Northern and Northwestern Europe. The lowest readings 29.5 ins. and less, were found in a depression lying over the Gulf of Genoa, but another depression with readings below 29.6 ins. existed over Germany. The wind was light from the SWnd in the extreme north of our islands and also over the northern part of the Gulf of Bothnia, but in all other parts of Northern and Northwestern Europe it was NE^{ry} and in the Channel and south-east of England it blew strongly. Over Austria and Eastern Germany, moderate SE^z breezes were reported, while in the south of France the wind was strong from the NWnd. The weather was fine in Austria, Spain, and the west and north of our islands, but cloudy elsewhere, with rain in the south-east of England and many parts of France. Temperature had risen a little in Scandinavia and the extreme north of Scotland, but fallen in most other localities, readings ranged from 50° and upwards at several of the Mediterranean stations to a few degrees below zero over the north of Sweden and the neighbourhood of the White Sea. The highest individual readings were 56° at Malta, 54° at Brindisi, 51° at Nemours, Algiers and Jax, and 50° at Palermo and Oran; the lowest were -7° F. at Haparanda and Hernösand, -6° at Archangel, +5° at Alcoborg, 8° at St Petersburg, 10° at Hango, and Helmsfors, 11° at Kuopio, and 13° at Stockholm.

In the course of the day the depression over Germany moved slightly Wrd, and a further increase in the force of the NE^z wind took place on our south and south-east coasts. Over our NW. coast a separate fall of the barometer was occasioned by a new low pressure system which appeared in that neighbourhood.

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, 18th February

1888.

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

Issued by the Meteorological Office, No. 1, Victoria Street, London, W. 1, S.W. 1, Secretary.																		
STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.									PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		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 ...	30.26	5	Z	0	0	30.29	+0.2	-2	-2	0	E	2	0	*	15	-2	-	
Hernösand ...	30.22	-11	Z	0	6	30.15	-0.16	-5	-5	+12	E	2	0	*	12	-18	-	
Stockholm ...	30.04	28	NNE	4	0	29.89	-0.29	24	24	+5	NNE	4	S	*	3	18	0.24	
Wishby ...	29.95	30	E	4	0	29.83	-0.21	30	29	+2	E	2	0	*	32	25	-	
Bodö ...	29.93	31	SE	4	0	29.93	-0.09	25	23	-5	ESE	2	C	1	34	23	-	
Christiansund...	29.90	31	SSW	3	bc	29.82	-0.24	31	29	+2	SSW	4	S	3	34	28	-	
Skudesnaes ...	30.11	29	Z	0	0	29.88	-0.30	28	26	+3	SSE	4	O	3	34	25	-	
Christiania Fjord (Færder)	30.08	25	NNE	6	6	29.88	-0.29	22	21	+1	NNE	5	W	2	25	18	-	
Skagen (The Scaw)	29.94	24	E	4	0	29.81	-0.24	24	24	+2	ESE	3	O	3	25	21	-	
Fanö ...	29.89	25	NE	6	0	29.78	-0.16	25	25	-1	NE	4	S	*	28	25	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.06	34	NNE	2	0	29.97	-0.09	30	29	-3	N	1	O	2	41	27	0.06	
Stornoway ...	30.22	38	NW	4	C	30.02	-0.16	38	38	+1	NW	5	O	4	41	34	0.14	
Wick ...	30.14	35	W	2	C	30.00	-0.12	34	33	-1	N	3	C	3	36	30	0.15	
Nairn ...	30.20	35	Z	0	bc	30.00	-0.13	36	35	+2	N	1	TU	1	41	31	0.01	
Aberdeen...	30.18	35	NNW	3	6	29.98	-0.10	35	34	-1	NNW	2	CSP	1	40	33	0.03	
Leith ...	30.21	38	NNE	1	6	30.00	-0.11	37	36	+4	W	1	C	*	45	31	-	
Shields ...	30.15	35	NNW	1	0	29.97	-0.14	39	32	+4	NNW	3	C	3	35	27	-	
Spurn Head ...	30.03	36	NNE	6	bc	29.93	-0.13	34	33	-1	NW	3	CSP	4	40	33	0.04	
York ...	30.12	34	NW	1	0	29.98	-0.13	29	29	-1	NW	1	6	*	37	28	-	
Loughborough	30.08	33	NW	3	C	30.00	-0.10	32	31	+3	NW	3	bc	*	39	29	-	
Ardrossan ...	30.25	37	NW	1	6	30.03	-0.11	40	39	+5	NW	3	O	2	43	32	-	
Malin Head ...	30.34	41	N	3	6	30.09	-0.13	43	43	+2	NNW	3	O	2	43	39	0.01	
Mullaghmore ...	30.34	41	N	5	bc	30.14	-0.11	43	43	+1	NNW	4	T	2	44	36	0.10	
Belmullet ...	30.40	40	N	4	bc p	30.19	-0.13	47	47	+5	NE	4	O	*	47	40	0.15	
Donaghadee ...	30.26	41	N	5	C	30.08	-0.06	40	39	-1	NNW	4	O	2	42	38	0.03	
GERMANY.																		
Barrow-in-Furness	30.14	36	NE	2	bc	30.02	-0.09	36	35	+8	N	3	O	*	37	27	-	
Liverpool (Bidston)	30.15	34	NNW	1	0	30.04	-0.09	37	35	+7	NW	3	bc	3	37	30	0.01	
Holyhead ...	30.19	41	N	6	Cg	30.08	-0.00	41	40	+1	NNW	6	Cg	5	42	37	0.01	
Parsonstown ...	30.32	39	NNW	1	C	30.18	-0.06	38	37	+1	Z	0	O	*	44	33	-	
Valencia ...	30.35	44	N	6	Cu	30.25	-0.05	46	45	0	NW	3	odm	4	47	43	0.01	
Roche's Point...	30.28	43	NNE	5	bc	30.20	+0.01	41	39	-1	NW	3	C	3	46	37	-	
Pembroke ...	30.14	39	NNE	5	C	30.11	-0.01	38	37	+2	NNW	3	Cg	1	42	35	0.01	
Scilly ...	30.08	42	NNE	8	Cg u	30.11	-0.03	41	40	-2	N	9	Cg	6	46	38	0.13	
Prawle Point ...	30.10	33	N	2	6	30.07	-0.05	33	30	+3	NNW	3	6	2	39	28	0.01	
Jersey ...	29.94	37	N	4	Og	29.98	-0.07	37	33	+3	N	6	Og m	5	37	33	-	
Hurst Castle ...	29.99	35	NNE	5	Cg m	29.99	-0.07	33	32	+4	NNE	3	CW	2	45	28	-	
Dungeness ...	29.83	35	NE	6	S	29.84	-0.06	34	32	0	NNE	5	O	3	36	32	0.08	
London ...	29.97	35	NNE	5	Cg	29.94	-0.07	33	31	+1	N	2	OS	*	36	31	-	
Oxford ...	30.07	32	N	4	O	29.99	-0.08	31	30	+5	N	2	Og	*	35	26	-	
Cambridge ...	29.98	34	N	3	O	29.94	-0.08	32	32	+1	N	2	O	*	35	28	-	
Yarmouth ...	29.92	35	NE	8	O	29.87	-0.08	35	33	+1	NNE	5	C	5	36	32	0.05	
Cuxhaven ...	29.84	31	NE	4	S	29.76	-0.12	31	31	0	NE	4	S	*	32	30	-	
Berlin ...	29.73	31	ESE	1	S	29.65	-0.11	32	31	+2	ESE	1	O	*	34	30	0.04	
Wiesbaden ...	*	*	*	*	*	29.61	-0.01	34	32	+2	SE	1	O	*	37	32	0.12	
Munich ...	29.58	?	E	4	O	29.51	-0.12	28	28	+2	NW	3	O	*	34	?	-	
FRANCE & NETHERLANDS.																		
The Helder ...	29.85	31	NE	5	S	29.77	-0.08	31	30	-1	NNE	5	C	3	34	30	0.16	
Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
Cape Gris Nez...	29.77	35	NE	8	S	29.76	-0.10	33	33	-3	NE	9	S	7	37	32	0.26	
Paris ...	29.71	32	N	7	S	29.75	-0.04	29	28	-3	N	7	S	*	33	29	0.20	
Brest ...	30.02	37	NNE	4	O	30.04	-0.12	36	33	+1	NNE	7	O	4	43	32	-	
Lorient ...	29.98	36	NNE	7	O	29.98	-0.10	37	32	+3	NNE	7	O	4	39	32	-	
Rochefort ...	29.90	36	N	8	O	29.89	-0.01	36	35	0	N	8	S	3	37	30	0.08	
Belfort ...	29.61	30	NNW	1	S	29.58	-0.10	28	28	-2	W	1	O	*	33	24	0.24	
Lyons ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
Nice ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
Perpignan ...	29.73	38	NW	5	O	29.63	-0.18	37	34	+5	NW	7	O	*	44	3	-	
Barritz ...	29.88	35	ESE	4	T	29.84	-0.07	34	33	+1	ESE	3	S	2	39	32	0.63	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	*	*	-
Lisbon ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
PENIN. ISLS.																		

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Saturday, 18th February,

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.

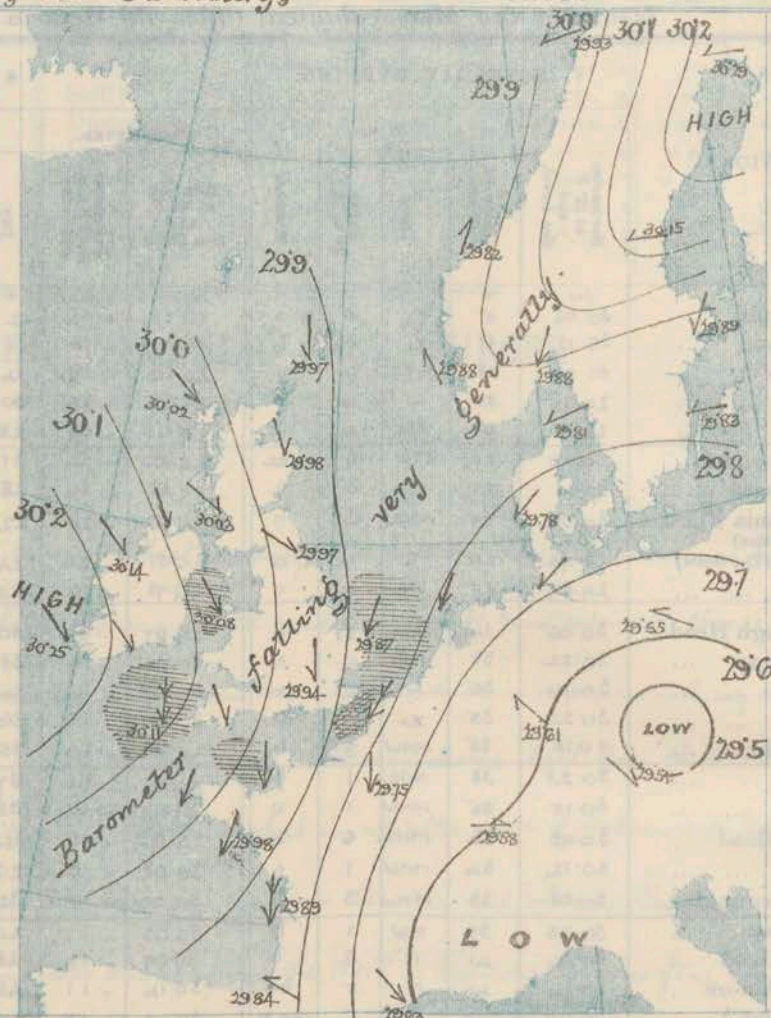
Sea Disturbance — where considerable is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS	MEAN READINGS in.
Sumburgh Head	29.713
Stornoway	29.700
Wick	29.737
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.905
Donaghadee	29.812
Holyhead	29.848
Liverpool	29.878
Parsonstown	29.894
Valencia	29.850
Roche's Point	29.850
Pembroke	29.876
Sailly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.938
Cambridge	29.925
Yarmouth	29.928



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

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

Weather — is shown by letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of February.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	42.6	34.7	38.7	37.7	3.39
Stornoway	43.0	34.7	39.3	38.2	3.97
Wick	43.4	35.5	38.4	37.0	2.02
Nairn	43.4	35.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	46.6	34.7	39.2	37.7	17.58
Shields	44.3	35.7	39.2	37.9	1.03
York	45.3	34.2	38.3	37.1	1.88
Loughborough	46.0	34.5	38.4	37.3	2.00
Ardrossan	45.0	36.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.90
Liverpool	45.3	36.9	39.9	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	5.29
Roche's Point	48.0	40.0	43.6	42.2	4.86
Pembroke	46.2	40.3	43.1	41.9	3.20
Sailly	49.7	43.7	46.9	45.8	2.98
Jersey	47.6	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.63
Dover	45.4	37.4	40.3	39.1	2.12
LONDON	46.9	36.0	39.7	38.6	1.89
Oxford	45.9	35.9	38.8	37.7	2.06
Cambridge	46.4	39.9	38.8	37.3	1.60
Yarmouth	43.5	35.2	38.9	38.2	2.02

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins: and upwards, over the southwest of Ireland and also over the Gulf of Bothnia.
 Lowest, 29.5 ins: and less, in a depression lying over Germany. Another depression is apparently lying over the S.E. of France, but the report from there has not yet arrived.
 Gradients slight generally. Barometer falling at nearly all stations, - not on our western and northern coasts.

TEMPERATURE

Highest, 47° at Belmullet, 46° at Valencia, 43° at Mullaghmore, and 41° at Holyhead, Rockpoint and Seilly.
 Lowest, -5° at Hemsand, -2° at Hafslunda, +22° at Tander, 24° at Stockholm and Skagen, and 26° at Rode and Tanö.

WIND

Moderate NW^{ly} over Ireland, Scotland, and the north of England.
 Strong to gale from the N^o over the west and north of France, and also at the mouth of the Channel.
 Light SE^{ly} at Berlin and Wiesbaden, moderate S^{ly} in the west of Norway.

WEATHER

Fair at some of the English stations, but cloudy or overcast elsewhere.
 Rain is falling at Hain and Mullaghmore, and snow at many of the Continental stations.
 Snow showers fell yesterday in most parts of Western Europe.

SEA

High at Cape Grist and rather rough on the exposed parts of the English coasts, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general fall of the barometer which is in progress over Western Europe is at present too uniform to lead to any decided change in the weather. But the backing of the wind to NW. over our islands may possibly indicate the approach of fresh depressions from the northward. Snow showers are likely to continue over all our more eastern stations.

FORECASTS

for the 24 hours ending at NOON on 19th February. 1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW ^{ly} winds, moderate or fresh; unsettled, some cold showers.
1	SCOTLAND EAST	-----D°-----D°-----D°-----
2	ENGLAND N.E.	-----D°-----D°-----D°-----
3	ENGLAND EAST	Same as N°5
4	MIDLAND COUNTIES	Same as N°5
5	ENGLAND SOUTH	N ^{ly} winds, fresh; changeable, some snow showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NW ^{ly} winds, moderate or fresh; fair generally, but some cold showers.
7	ENGLAND N.W.	-----D°-----D°-----D°-----
8	ENGLAND S.W.	N ^{ly} winds, moderate; fair generally.
9	IRELAND NORTH	NW ^{ly} winds, moderate or fresh; cloudy, some cold showers.
10	IRELAND SOUTH	-----D°-----D°-----D°-----
WARNINGS		The north cone is still flying in districts 3, 5, and parts of 2 and 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 N. 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.
Skudesnes ...	30.16	30	26	ENE 1	0	2	Holyhead ...	30.16	40	38	NNE 5	0	4
Sumburgh Head ...	30.09	38	37	W 1	6c	3	Valencia ...	30.33	46	43	NNE 4	6c p v	5
Stornoway ...	30.23	40	39	NW 4	c	3	Scilly ...	30.05	45	42	NNE 7	c	5
Aberdeen ...	30.17	37	36	N 2	6	1	Dungeness ...	29.83	35	34	NE 5	0	5
Shields ...	30.11	33	33	WNW 1	0	0	London ...	29.96	36	35	NNE 5	0 q	*
Ardrossan ...	30.21	43	39	NW 3	6c	2	Yarmouth ...	29.92	36	34	NNE 7	0 q r s	6
Malin Head ...	30.28	42	39	N 3	6c	3	Jersey ...	29.96	37	33	N 3	0	3
Mullaghmore ...	30.31	43	40	N 5	c	3	Rochefort ...	29.92	35	33	NW 8	s	3
Belmullet ...	30.32	45	41	NNE 6	c	*							

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

The reports for yesterday morning showed a continuation of the two large high-pressure areas recently observed, — one over Russia and the other over the Atlantic, close to the Irish coast. In both these the highest readings exceeded 30 ins.; and the two systems were united by a "col" which lay across Scotland and the southern part of Scandinavia. A large "hollow" covered France, Germany, Austria, Italy, and the Balkan Peninsula, and within this lay a somewhat complex but not deep depression, while some small independent disturbances were found near Holyhead and Aberdeen. The winds (though varying locally) were mainly E^{ly} and SE^{ly} over Central, Eastern, and Northern Europe, NE^{ly} to N^{ly} over the British Isles, France, and the Bay of Biscay, and blew very strongly (a gale at times) at many of the southern and southeastern stations, where the weather was cloudy and unsettled, with snow in several places. Temperature had risen considerably in Scotland and Ireland from the cold of Thursday, but was still low generally for the time of year. Frost was prevalent over all but the coast districts of the extreme western and southern countries, and in Sweden it was very severe. The lowest individual readings were — 17° at Hues and, — 3° at Kuopio — 2° at Haparanda — 1° at Archangel, +5° at Helsinki and St. Petersburg, 8° at Uleaborg, 13° at Moscow, Kharkov, and Stockholm, 21° at Kiev, 23° at Madrid, 24° at Lemberg, 26° at Rome and Munich, and 30° at Berlin and Lyons. The highest were 53° at Brindisi, 47° at Legna, 46° at Corinna and Valencia (Ireland) 42° at Belmullet and Roch Point, 41° at Malin H^d and Donaghadee, and 40° at Holyhead.

During the day the subsidiary disturbance over our northwest coasts moved rapidly to the southward, and the N^{ly} wind at our southern stations increased temporarily in force, but little other change occurred.

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 19th February

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 ^h P. and Sea Level.	Temp. in Shade.	WIND.			Weather.	BAROMETER.		SHADE TEMP.			WIND.			Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rain.
			Dir.	Force. (0 to 12.)			Reading at 8 ^h P. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)				Max.	Min.	
SCANDINAVIA.	Haparanda ..	30.42	-11	2	0	b	30.40	+ 17	4	11	+ 6	2	0	0	*	5	-11	—	
	Hernösand ...	30.19	12	NE	6	s	30.38	+ 23	11	11	+ 16	NE	4	s	*	16	-17	0.08	
	Stockholm ...	29.90	29	ENE	2	o	30.04	+ 15	29	28	+ 5	E	6	o	*	30	21	0.08	
	Wisby ...	29.84	31	E	4	o	29.86	+ 03	30	28	—	E	6	o	*	36	28	—	
	Bodö ...	30.15	24	NE	4	b	30.25	+ 32	21	19	— 4	ENE	4	b	2	28	19	—	
	Christiansund...	29.86	26	ESE	2	b	30.09	+ 27	25	23	— 6	ESE	2	b	3	32	23	—	
	Skudesnaes ...	29.79	28	E	1	c	29.93	+ 05	28	26	— 0	NNE	2	c	2	31	28	—	
	Christiania Fjord (Fjorder)	29.79	25	NNE	6	o	29.94	+ 06	28	26	+ 6	NNE	6	o	3	?	22	—	
	Skagen (The Scaw)																		
	Fanö ...	29.58	28	NE	4	o	29.54	— 24	31	31	+ 6	NE	5	s	*	31	25	0.01	
BRITISH ISLANDS.	Sumburgh Head	29.81	27	N	3	c	30.00	+ 03	33	32	+ 3	NE	2	b	3	33	25	0.07	
	Stornoway ...	29.94	26	N	6	o	30.02	+ 00	33	33	— 5	NE	6	b	4	39	28	0.05	
	Wick ...	29.84	30	N	4	s	30.01	+ 01	34	34	— 0	E	4	c	4	35	27	0.18	
	Nairn ...	29.88	32	N	3	c	29.93	— 07	32	31	— 4	NNE	4	s	4	36	28	0.09	
	Aberdeen...	29.81	31	NNE	1	s	29.94	— 04	35	33	— 0	NE	3	c	3	37	27	0.15	
	Leith ...	29.85	38	NE	2	c	29.87	— 13	34	34	— 3	E	3	b	3	41	29	0.06	
	Shields ...	29.75	35	N	5	o	29.71	— 26	35	33	+ 2	NE	4	c	5	40	28	0.08	
	Spurn Head ...	29.66	21	N	5	c	29.57	— 26	35	32	+ 1	NNE	5	b	5	39	32	0.10	
	York ...	29.72	33	N	3	c	29.64	— 34	31	30	+ 2	N	1	c	*	41	28	0.13	
	Loughborough	29.75	35	NNW	2	b	29.57	— 43	30	30	— 2	NNW	2	o	*	42	28	0.03	
GERMANY.	Ardrossan ...	29.86	29	N	2	b	29.88	— 15	32	32	— 8	NNE	5	b	2	44	28	—	
	Malin Head ...	29.96	41	N	4	o	29.93	— 16	35	35	— 8	NNE	5	b	4	44	32	0.03	
	Mullaghmore ...	29.97	44	N	5	o	29.98	— 24	35	32	— 8	NE	6	b	4	46	33	0.10	
	Belmullet ...	30.05	46	N	6	o	29.97	— 27	37	33	— 10	NNE	7	c	*	49	26	0.03	
	Donaghadee ...	29.87	41	NNE	6	o	29.81	— 27	36	33	— 4	NE	9	b	7	43	32	0.02	
	Barrow-in-Farness	29.79	36	NE	2	b	29.70	— 21	32	31	— 4	NNE	4	b	*	42	30	—	
	Liverpool (Bidston)	29.77	34	N	3	b	29.66	— 38	30	28	— 7	NNE	3	b	3	40	29	—	
	Holyhead ...	29.81	40	NNE	4	c	29.70	— 38	35	32	— 6	NNE	8	o	6	42	34	0.10	
	Parsonstown ...	29.94	47	NNW	3	o	29.85	— 38	30	28	— 8	NNE	1	b	*	47	30	0.13	
	Valencia ...	30.03	49	N	6	o	29.86	— 39	39	35	— 7	NNE	6	o	6	49	39	0.09	
FRANCE & NETHERLANDS.	Roche's Point...	29.89	42	N	6	r	29.77	— 43	34	32	— 7	NNE	6	b	4	46	33	0.10	
	Pembroke ...	29.80	42	NNW	4	o	29.61	— 50	33	30	— 5	NE	4	b	2	42	32	0.06	
	Scilly ...	29.83	43	NNW	5	r	29.53	— 58	34	34	— 7	NE	5	s	4	44	30	0.17	
	Prawle Point ...	29.79	37	NNW	2	c	29.49	— 58	28	27	— 5	N	5	b	4	41	25	0.04	
	Jersey ...	29.78	40	NT	3	c	29.38	— 60	33	32	— 4	N	5	o	4	42	32	0.09	
	Hurst Castle ...	29.72	37	NNW	3	c	29.45	— 54	31	30	— 2	NE	4	b	2	42	27	—	
	Dungeness ...	29.64	36	N	3	s	29.38	— 46	31	31	— 3	NE	6	s	3	37	30	0.12	
	London ...	29.67	34	N	4	c	29.46	— 48	30	29	— 3	N	3	o	*	41	29	0.09	
	Oxford ...	29.68	32	N	3	b	29.51	— 48	29	29	— 2	N	4	s	*	40	27	0.09	
	Cambridge ...	29.66	33	N	1	b	29.50	— 44	30	28	— 2	N	1	c	*	39	27	0.13	
PENIN. ISLANDS.	Yarmouth ...	29.62	35	N	1	o	29.47	— 40	33	32	— 2	ESE	5	o	5	37	30	0.06	
	Cuxhaven ...	29.71	31	E	2	s	29.50	— 26	32	31	+ 1	NE	4	s	*	32	30	—	
	Berlin ...	29.46	33	NE	3	o	29.38	— 27	30	30	— 2	E	1	o	*	36	30	0.08	
	Wiesbaden ...	*	*	*	*	*	29.45	— 16	29	28	— 5	NN	1	o	*	36	28	—	
	Munich ...	29.43	27	W	4	s	29.41	— 10	18	18	— 10	S	2	b	*	32	18	0.04	
	The Helder ...	29.54	29	NE	3	s	29.48	— 24	30	30	— 1	ENE	1	o	2	32	28	0.12	
	Brussels ...	*	*	*	*	*	29.42	— 31	25	25	— 4	E	3	c	*	30	24	0.16	
	Cape Gris Nez...	29.56	35	N	7	o	29.38	— 38	28	28	— 5	ENE	4	o	4	36	28	—	
	Paris ...	29.64	36	N	3	c	29.37	— 38	28	28	— 1	SE	1	o	*	34	26	0.04	
	Brest ...	29.88	40	NNE	4	r	29.49	— 55	35	34	— 1	NNW	8	o	5	44	38	0.10	

For Explanation of Columns, see p. 4.

for 8 a.m. on Sunday, 19th February 1888.

(Explanation of Map)

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

* \longrightarrow = forces above W ; \longrightarrow = forces 8 to W .
 \longrightarrow = forces 5 to 7; \longrightarrow = forces 1 to 4.
 (•) = dead calm.

 = Rough = High

at 3 a m. for the month of February
During the 15 Years 1871 — 1886.

A hand-drawn weather map of the North Atlantic region, showing isobars, pressure trends, and weather systems. The map includes the following features:

- Isobars:** Hand-drawn lines representing pressure levels, labeled with values such as 300, 301, 302, 303, 304, 300, 299, 298, 297, 296, 295, 294, 293, 292, 291, 290, 289, 288, 287, 286, 285, 284, 283, 282, 281, 280, 279, 278, 277, 276, 275, 274, 273, 272, 271, 270, 269, 268, 267, 266, 265, 264, 263, 262, 261, 260, 259, 258, 257, 256, 255, 254, 253, 252, 251, 250, 249, 248, 247, 246, 245, 244, 243, 242, 241, 240, 239, 238, 237, 236, 235, 234, 233, 232, 231, 230, 229, 228, 227, 226, 225, 224, 223, 222, 221, 220, 219, 218, 217, 216, 215, 214, 213, 212, 211, 210, 209, 208, 207, 206, 205, 204, 203, 202, 201, 200, 199, 198, 197, 196, 195, 194, 193, 192, 191, 190, 189, 188, 187, 186, 185, 184, 183, 182, 181, 180, 179, 178, 177, 176, 175, 174, 173, 172, 171, 170, 169, 168, 167, 166, 165, 164, 163, 162, 161, 160, 159, 158, 157, 156, 155, 154, 153, 152, 151, 150, 149, 148, 147, 146, 145, 144, 143, 142, 141, 140, 139, 138, 137, 136, 135, 134, 133, 132, 131, 130, 129, 128, 127, 126, 125, 124, 123, 122, 121, 120, 119, 118, 117, 116, 115, 114, 113, 112, 111, 110, 109, 108, 107, 106, 105, 104, 103, 102, 101, 100, 99, 98, 97, 96, 95, 94, 93, 92, 91, 90, 89, 88, 87, 86, 85, 84, 83, 82, 81, 80, 79, 78, 77, 76, 75, 74, 73, 72, 71, 70, 69, 68, 67, 66, 65, 64, 63, 62, 61, 60, 59, 58, 57, 56, 55, 54, 53, 52, 51, 50, 49, 48, 47, 46, 45, 44, 43, 42, 41, 40, 39, 38, 37, 36, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1, 0, -1, -2, -3, -4, -5, -6, -7, -8, -9, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -50, -51, -52, -53, -54, -55, -56, -57, -58, -59, -60, -61, -62, -63, -64, -65, -66, -67, -68, -69, -70, -71, -72, -73, -74, -75, -76, -77, -78, -79, -80, -81, -82, -83, -84, -85, -86, -87, -88, -89, -90, -91, -92, -93, -94, -95, -96, -97, -98, -99, -100, -101, -102, -103, -104, -105, -106, -107, -108, -109, -110, -111, -112, -113, -114, -115, -116, -117, -118, -119, -120, -121, -122, -123, -124, -125, -126, -127, -128, -129, -130, -131, -132, -133, -134, -135, -136, -137, -138, -139, -140, -141, -142, -143, -144, -145, -146, -147, -148, -149, -150, -151, -152, -153, -154, -155, -156, -157, -158, -159, -160, -161, -162, -163, -164, -165, -166, -167, -168, -169, -170, -171, -172, -173, -174, -175, -176, -177, -178, -179, -180, -181, -182, -183, -184, -185, -186, -187, -188, -189, -190, -191, -192, -193, -194, -195, -196, -197, -198, -199, -200, -201, -202, -203, -204, -205, -206, -207, -208, -209, -210, -211, -212, -213, -214, -215, -216, -217, -218, -219, -220, -221, -222, -223, -224, -225, -226, -227, -228, -229, -230, -231, -232, -233, -234, -235, -236, -237, -238, -239, -240, -241, -242, -243, -244, -245, -246, -247, -248, -249, -250, -251, -252, -253, -254, -255, -256, -257, -258, -259, -260, -261, -262, -263, -264, -265, -266, -267, -268, -269, -270, -271, -272, -273, -274, -275, -276, -277, -278, -279, -280, -281, -282, -283, -284, -285, -286, -287, -288, -289, -290, -291, -292, -293, -294, -295, -296, -297, -298, -299, -300, -301, -302, -303, -304, -305, -306, -307, -308, -309, -310, -311, -312, -313, -314, -315, -316, -317, -318, -319, -320, -321, -322, -323, -324, -325, -326, -327, -328, -329, -330, -331, -332, -333, -334, -335, -336, -337, -338, -339, -340, -341, -342, -343, -344, -345, -346, -347, -348, -349, -350, -351, -352, -353, -354, -355, -356, -357, -358, -359, -360, -361, -362, -363, -364, -365, -366, -367, -368, -369, -370, -371, -372, -373, -374, -375, -376, -377, -378, -379, -380, -381, -382, -383, -384, -385, -386, -387, -388, -389, -390, -391, -392, -393, -394, -395, -396, -397, -398, -399, -400, -401, -402, -403, -404, -405, -406, -407, -408, -409, -410, -411, -412, -413, -414, -415, -416, -417, -418, -419, -420, -421, -422, -423, -424, -425, -426, -427, -428, -429, -430, -431, -432, -433, -434, -435, -436, -437, -438, -439, -440, -441, -442, -443, -444, -445, -446, -447, -448, -449, -450, -451, -452, -453, -454, -455, -456, -457, -458, -459, -460, -461, -462, -463, -464, -465, -466, -467, -468, -469, -470, -471, -472, -473, -474, -475, -476, -477, -478, -479, -480, -481, -482, -483, -484, -485, -486, -487, -488, -489, -490, -491, -492, -493, -494, -495, -496, -497, -498, -499, -500, -501, -502, -503, -504, -505, -506, -507, -508, -509, -510, -511, -512, -513, -514, -515, -516, -517, -518, -519, -520, -521, -522, -523, -524, -525, -526, -527, -528, -529, -530, -531, -532, -533, -534, -535, -536, -537, -538, -539, -5

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

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.

AND RAINFALL.

for the month of February

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 ins: and upwards, in an anticyclone lying over the Gulf of Bothnia.

Lowest, 29.4 ins: in four depressions, lying respectively over Germany, the north of France, the southern part of the Bay of Biscay, and the Gulf of Genoa.

Gradients steep over our Islands, the North Sea and the south of Scandinavia. Barometres falling at all but the Scandinavian and our extreme northern stations.

TEMPERATURE

Highest, 51° at Corunna, 46° at Lisbon, 39° at Valencia, 37° at Dublin, 36° at Donaghadee, and 35° at Aberdeen, Lizard, Spinn Ht., Malin Ht., Mullaghmore, and Brest.

Lowest, 4° at Haparanda, 11° at Helsingfors, 18° at Munich, 21° at Rode, and 25° at Christiansund, Brussels, Belfast and Lyons.

Frost occurred last night in most parts of Western Europe.

WIND

Light variable over Germany and the east of France, fresh S. in the southwest of France, strong N.W. in Spain.

Chiefly N.E. elsewhere; moderate or fresh in force on our eastern and southern coasts, but strong in the west with a gale at Donaghadee and Holyhead.

WEATHER

Fine at most of our western and extreme northern stations, as well as in Norway.

Cloudy or overcast elsewhere, with snow in many places.

In the course of the past twenty-four hours snow has fallen in nearly all parts of Western Europe.

SEA

High at Donaghadee, and rough or rather so on many of the more exposed parts of our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new depressions which have appeared over France and the Bay of Biscay are occasioning a brisk fall of the barometer in the south, and the general appearance remains very unsettled.

FORECASTS

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

DISTRICTS.

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

FORECASTS.

ISSUED
NONE

DISTRICTS.

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

WARNINGS

FORECASTS.

ISSUED
NONE

The north cone has been hoisted this morning in districts 0, 1, 2, 6, 7, 9, and 10.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.80	31	27	ESE	2	o	2	Holyhead ...	29.90	42	41	NNW	5	op	5
Sumburgh Head ...	29.87	29	28	N	3	c	3	Valencia ...	30.10	49	48	N	6	omg	6
Stornoway ...	30.04	38	38	N	5	b	4	Scilly ...	29.95	44	42	NNW	5	op	6
Aberdeen ...	29.90	35	33	N	3	osp	1	Dungeness ...	29.74	37	34	NNE	4	o	4
Shields ...	29.81	38	36	NNE	3	c	3	London ...	29.75	39	36	NNW	3	c	*
Ardrossan ...	29.89	43	41	N	2	b	1	Yarmouth ...	29.72	37	35	N	4	os	5
Malin Head ...	29.98	43	42	N	4	o	3	Jersey ...	29.89	41	35	N	4	c	4
Mullaghmore ...	30.00	45	44	NNW	4	om	3	Rocheport ...	29.91	38	35	N	8	o	2
Belmullet ...	30.09	49	48	N	6	bc	*								

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

See Tuesday's Report

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for

Monday 20th February

1888.

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

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

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.			
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Max.	Min.				
							In.	In.	°	°	°				°	°	In.		
SCANDINAVIA.																			
Haparanda ...	30.36	13	Z	0	S	30.23	-0.23	11	11	+7	Z	0	0	*	14	-11	0.04		
Hernösand ...	30.42	16	NE	2	S	30.34	-0.04	17	17	+6	Z	0	S	*	18	9	-		
Stockholm ...	30.15	27	E	16	0	30.25	+0.21	20	19	-9	N	2	0	*	30	19	-		
Wisby ...	30.02	30	E	6	0	30.13	+0.27	26	24	-4	E	4	0	*	34	27	-		
Bodö ...	30.25	21	ESE	2	6	30.16	-0.09	23	21	+2	E	2	0	1	23	18	-		
Christiansund...	30.15	27	E	1	6	30.12	+0.03	24	23	-1	E	1	6	2	30	21	-		
Skudesnaes ...	30.02	33	E	44	0	30.14	+0.21	31	29	+3	NNE	1	0	2	34	27	-		
Christiania Fjord (Fæder)	30.05	29	NNE	6	0	30.19	+0.25	26	25	-2	NNE	6	0	2	30	19	-		
Skagen (The Scaw).	29.89	29	E	6	0	30.07		27	26		E	5	0	4	30	27	0.04		
Fanö ...	29.61	30	ESE	6	S	29.94	+0.40	31	30	0	ESE	6	0	*	7	28	0.16		
BRITISH ISLANDS.																			
Sumburgh Head	30.09	36	NE	3	0	30.11	+0.11	37	35	+4	ESE	1	0	3	38	31	-		
Stornoway ...	30.12	35	E	5	60	30.09	+0.07	37	37	+4	NE	6	0	4	38	31	0.03		
Wick ...	30.09	35	NE	2	0	30.10	+0.09	38	35	+4	NE	3	0	4	38	32	-		
Nairn ...	30.05	36	NNE	3	0	30.05	+0.12	36	34	+4	NNE	1	0	1	37	31	0.11		
Aberdeen...	29.92	36	NE	4	0	30.04	+0.10	37	34	+2	ESE	4	0	6	39	33	0.01		
Leith ...	29.93	35	E	3	0	29.95	+0.08	35	33	+1	NE	4	0	6	37	32	0.16		
Shields ...	29.77	36	NE	7	0	29.89	+0.18	35	35	0	E	5	0	6	38	32	0.32		
Spurn Head ...	29.57	35	NNE	7	S	29.76	+0.19	37	35	+2	ESE	5	0	5	37	32	0.19		
York ...	29.67	34	N	4	S	29.76	+0.12	33	32	+2	ESE	1	0	*	36	30	0.58		
Loughborough	29.60	33	NNE	4	S	29.73	+0.16	30	30	0	NE	3	0	*	38	29	0.26		
GERMANY.																			
Ardrossan ...	29.96	36	NNE	4	0	29.97	+0.09	34	34	+2	NE	4	0	2	39	32	0.10		
Malin Head ...	30.02	37	NE	4	6	29.97	+0.04	39	35	+4	NE	4	0	2	39	35	-		
Mullaghmore ...	30.03	37	NNE	5	6	29.96	+0.06	39	36	+4	NE	6	0	5	40	35	-		
Beltmullet ...	29.86	38	NE	6	0	30.01	+0.04	39	35	+2	NE	5	0	*	41	36	-		
Donaghadee ...	29.93	38	NE	8	60	29.91	+0.10	38	35	+2	NE	3	0	6	39	34	-		
FRANCE & NETHERLANDS.																			
Barrow-in-Furness	29.76	36	NNE	5	60	29.78	+0.08	34	32	+2	NE	4	0	*	39	31	-		
Liverpool (Bidston)	29.73	35	N	5	0	29.77	+0.11	33	32	+3	NE	2	0	3	35	30	0.10		
Holyhead ...	29.78	37	NNE	8	0	29.77	+0.07	36	35	+1	NE	8	0	6	38	34	0.04		
Parsonstown ...	29.96	35	N	2	60	29.89	+0.04	33	33	+3	N	2	0	*	39	29	0.01		
Valencia ...	29.97	39	NNE	6	60	29.91	+0.05	39	35	0	NE	5	0	5	47	38	-		
Roche's Point...	29.85	37	NNE	6	6	29.80	+0.03	34	34	0	NNE	6	0	4	41	33	-		
Pembroke ...	29.71	36	NE	6	0	29.66	+0.05	35	34	+2	NE	5	0	3	38	32	0.03		
Seilly ...	29.61	44	NNE	8	0	29.56	+0.03	38	36	+4	NNE	8	0	6	40	32	0.04		
Prawle Point ...	29.56	32	NNE	6	60	29.54	+0.05	33	32	+5	ESE	6	0	5	37	26	0.01		
Jersey ...	29.44	34	NE	4	0	29.52	+0.14	30	28	-3	ESE	3	0	3	38	30	0.35		
FRANCE & NETHERLANDS.																			
Hurst Castle ...	29.49	35	NE	4	0	29.58	+0.13	33	31	+2	ESE	6	0	3	37	27	-		
Dungeness ...	29.40	33	ESE	4	S	29.55	+0.17	31	30	0	E	4	0	3	33	28	0.15		
London ...	29.48	35	NE	3	0	29.63	+0.17	31	29	+1	NE	2	0	*	35	29	0.05		
Oxford ...	29.53	32	NNE	4	S	29.67	+0.16	30	29	+1	NE	3	0	*	35	29	0.08		
Cambridge ...	29.50	33	N	1	S	29.71	+0.21	30	29	0	NE	1	0	*	35	27	0.06		
Yarmouth ...	29.46	34	ESE	6	0	29.68	+0.21	35	33	+2	E	6	0	5	35	31	0.23		
Cuxhaven ...	29.62	32	E	4	0	29.83	+0.33	31	30	-1	E	4	0	*	43	29	-		
Berlin ...	29.63	32	SE	1	6	29.82	+0.44	28	27	-2	ESE	4	0	*	36	27	-		
Wiesbaden ...	*	*	*	*	*	29.43	-0.02	30	30	+1	NE	5	0	*	34	30	-		
Munich ...	29.37	26	E	5	60	29.35	-0.06	28	27	+10	E	4	0	*	32	18	-		
FRANCE & NETHERLANDS.																			
The Helder ...	29.48	33	ESE	3	0	29.72	+0.24	30	29	0	ESE	5	0	*	34	27	0.08		
Brussels ...	*	*	*	*	*									*					
Cape Gris Nez...	29.37	30	E	3	S	29.52	+0.14	22	22	-6	E	4	0	3	32	19	-		
Paris ...	29.38	28	NE	3	0	29.48	+0.11	17	17	-11	NE	1	0	*	33	16	0.08		
Brest ...	29.51	37	NNE	8	S	29.51	+0.02	32	31	-3	NE	5	0	4	43	30	-		
FRANCE & NETHERLANDS.																			
Lorient ...	29.43	34	N	7	60	29.44	+0.06	33	32	-1	NE	4	0	2	39	30	-		
Rochefort ...	29.35	30	NE	5	0	29.47	+0.04	29	28	-5	NNE	5	0	2	41	23	0.20		
Belfort ...	29.38	28	NW	1	0	29.34	-0.08	23	22	-2	NE	3	0	*	31	17	-		
Lyons ...	29.34	28	ESE	1	6	29.32	-0.18	25	24	0	NE	1	0	*	36	23	-		
Nice ...	29.34	30	ESE	1	7	29.22	-0.17	33	33	-1	ESE	4	0	4	39	28	0.39		
FRANCE & NETHERLANDS.																			
Perpignan ...	29.12	26	S	3	0	29.19	-0.31	35	30	+3	NW	5	0	*	36	?	-		
Biarritz ...	29.16	41	NW	9	0	29.40	-0.01	34	32	+1	SE	1	0	5	48	30	0.28		
FRANCE & NETHERLANDS.																			
Corunna ...	*	*	*	*	*									*					
Lisbon ...	29.74	51	NW	8	0	29.80	-0.04	40	38	-6	N	4	0	4	55	39	0.16		

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on *Monday, 20th February, 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.

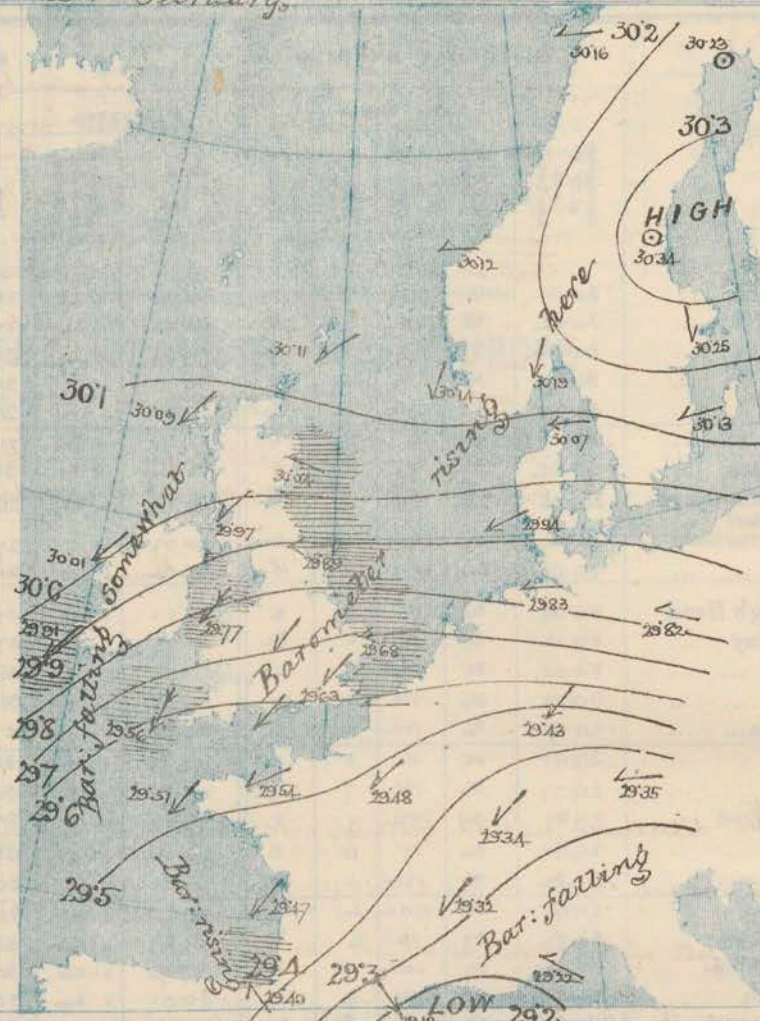
Sea Disturbance — where considerable, is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.713
Stornoway	29.700
Wick	29.737
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.894
Loughborough	29.912
Ardrossan	29.805
Donaghadee	29.812
Holyhead	29.848
Liverpool	29.873
Parsonstown	29.894
Valencia	29.850
Roche's Point	29.850
Pembroke	29.875
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.933
Cambridge	29.935
Yarmouth	29.928



TEMPERATURE, & WEATHER at 8 A.M.

with RAINFALL in PAST 24 HOURS.

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

Weather — is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of February.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	42.6	34.7	38.7	37.7	3.29
Stornoway	43.5	34.7	39.8	38.2	3.97
Wick	43.4	33.5	38.4	37.0	3.02
Nairn	43.4	33.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	46.6	34.7	39.2	37.7	1.58
Shields	44.3	35.7	39.2	37.0	1.68
York	45.3	34.2	38.2	37.1	1.88
Loughborough	46.0	34.5	38.4	37.3	2.00
Ardrossan	45.0	35.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.00
Liverpool	45.3	36.9	39.9	38.3	1.85
Parsonstown	47.4	35.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	5.29
Roche's Point	48.9	40.0	43.6	42.2	4.86
Pembroke	46.2	40.3	43.1	41.9	3.20
Scilly	46.7	43.7	46.9	45.3	3.98
Jersey	47.6	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.03
Dover	45.4	37.4	40.3	39.1	2.12
LONDON	46.9	36.0	39.7	38.6	1.89
Oxford	45.9	35.9	38.8	37.7	2.06
Cambridge	46.4	33.9	39.3	37.3	1.60
Yarmouth	43.5	35.2	38.9	38.2	2.02

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.3 ins. and upwards, in an anticyclone lying over the southern part of the Gulf of Bothnia. Lowest, 29.2 ins. and less, in a depression lying over the Gulf of Lyons. Gradients irregular, - rather steep in places. Barometer falling in the north of Scandinavia, the west of our Islands, and the eastern part of France and Germany, rising elsewhere.
TEMPERATURE	Highest, 40° at Lisbon, 39° at Malin Head, Kilmullet Mullaghmore and Valence, and 38° at Wick, Donaghadee, and Sicily. Lowest, 11° at Haparanda, 17° at Helsingfors and Narvik, 20° at Stockholm, 22° at Cape Gir Skj, and 23° at Rostock and Riga. Frost occurred last night in most parts of Western Europe.
WIND	E or NE generally; light in force in the west of Norway and the east of Scotland. Strong to gale on the west coasts of our Islands, moderate or fresh elsewhere. [A moderate NE gale was experienced yesterday in the east of Scotland and the northeast of England.]
WEATHER	Fine in some places, but cloudy or overcast generally, with snow in several parts of our Islands and Scandinavia, as well as at Riga. Snow showers fell yesterday at all but our western stations.
SEA	Moderate or slight in the Bay of Biscay and eastern part of the Channel, but rough or rather so in most other localities.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions noticed yesterday over France and Germany have travelled southwards, and the anticyclone over Northern Europe is also moving slowly in the same direction.

The fall of the barometer which has set in over the west of our Islands is apparently due to the movement of low pressure systems over the Atlantic, and the NE gales in the west are therefore likely to subside gradually. No further change is indicated at present.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	E winds, varying in force; fair generally, but some snow showers.
1	SCOTLAND EAST	-----D°-----D°-----D°-----
2	ENGLAND N.E.	-----D°-----D°-----D°-----
3	ENGLAND EAST	Same as No 5.
4	MIDLAND COUNTIES	Same as No 5.
5	ENGLAND SOUTH	E winds, moderate; fair generally; but some snow showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NE winds, moderate or light; fair generally, but some snow showers.
7	ENGLAND N.W.	NE to E winds, strong at first, moderating later; changeable, some snow showers.
8	ENGLAND S.W.	-----D°-----D°-----D°-----
9	IRELAND NORTH	-----D°-----D°-----D°-----
10	IRELAND SOUTH	-----D°-----D°-----D°-----
WARNINGS		The north cone was hoisted yesterday in districts 0 to 2, 6, 7, 9 and 10.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.01	27	?	N.E. 2	60	2	Holyhead ...	29.77	38	34	N.E. 8	6	6
Sumburgh Head ...							Valencia ...						
Stornoway ...	30.09	38	37	E 5	6	3	Scilly ...						
Aberdeen ...							Dungeness ...	29.42	32	31	E 5	S	3
Shields ...							London ...						*
Ardrossan ...							Yarmouth ...						
Malin Head ...	30.00	37	37	N.E. 4	6	3	Jersey ...	29.40	36	34	N.E. 6	2	5
Mullaghmore ...							Rochefort ...	29.28	32	31	S.E. 3	S	2
Belmullet ...	30.04	41	39	N.E. 6	60	*							

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

The reports for yesterday morning showed that pressure, which was increasing over Russia and northern Europe, but decreasing elsewhere, varied from 30.5 ins. and more over Central Russia and Finland, and from 30.0 ins. and more in the Hebrides, Shetlands and Central Norway to somewhat below 29.5 ins. in a very extensive low-pressure area, which covered France, Germany, Austria and all the northern parts of the Mediterranean. Within this area three distinct minima were observed, one lying over Central France, another over the Gulf of Lyons, and the third a little to the southward of Berlin. Fresh to strong E. winds prevailed over the Baltic, moderate to strong N.E. breezes over the North Sea, and rather more N. winds - strong to a gale in force, over Ireland and the western coasts of England and Wales. In the North of Spain there was a gale from the N.W. while over the Mediterranean the wind was light and variable. Showers of sleet and snow were very prevalent over the Central, western and northern countries, and cold rain in the South; in several localities both in England and France the snow was heavy. Temperature had recovered somewhat over northern Europe, but decreased in the West of the British Islands, and also in the South of Russia; it was very low generally - frost being again prevalent at all but the coast stations in the extreme West. The lowest readings at 8 am were -5° F. at Archangel, +4° at Haparanda, 5° at Kiofis, 10° at Moscow, 11° at Hernösand, 12° at St. Petersburg, 17° at Kharkov, 18° at Munich, 21° at Bodo, 25° at Lyons and Berne, 27° at Vienna, 28° at Paris, 30° at Berlin, London and Portsmouth, 31° at Madrid, and 32° at Perpignan. The highest were 51° at Algiers and Bordeaux, 56° at Brindisi, (the Malta report has not been received) 46° at Leghieri and Lisbon, 40° at Rome and Chasseron, 39° at Valencia (Ireland), 37° at Belmullet, and 35° at Holyhead.

During the day the barometer continued to rise in the North, and the E. wind blew still harder on our northeast coasts, while snow showers fell generally.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLAND AND THEIR NEIGHBOURHOOD FROM THE 12TH TO THE 18TH FEBRUARY 1888.

The weather has fallen into a most wintry and unsettled condition during the past week. On the 12th there was still a "hollow" lying over the North Sea, separating a high pressure over northern Europe, from another over the Spanish Peninsula and Mediterranean. N.W. and W. winds prevailed over the British Islands and France, but had lost the mild character observed during the previous week, and showers of cold rain, hail and wet snow were experienced from time to time in many places, as small and very shallow disturbances passed over our area from the westward or north-westward.

The barometer now rose, and afterwards became unsteady, while rather deeper (but not large) depressions began to appear in different parts of the Kingdom. In the rear of these the falls of snow became much heavier, especially over our South-Midland and southern counties on the 14th, while hard frost set in over Scotland. The principal depression was developed off the southeast of Ireland on the 13th and moved slowly to Belgium during the succeeding 48 hours, where it dispersed. In its rear a high pressure area was established over Ireland, Scotland and Scandinavia, and in all those districts severe frost prevailed, while over England and France N. and N.E. winds set in, strong to a gale in force, and were accompanied by frequent and considerable falls of snow, but, not much frost. The conditions remained very complex till the end of the week, when some low pressure areas over Germany and France began to spread westward and northward, and while the wind lulled a little at our southern and eastern stations, it became strong in Ireland and Scotland. Snow showers were still very prevalent in all parts of our area.

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, 21st February* 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.																			
Haparanda ..	30.10	-1	Z	0	0	29.89	- 34	6	6	- 5	SSW	2	0	*	44	-6	-		
Hernösand ...	30.22	17	S	2	0	30.09	- 25	3	2	- 14	Z	0	0	*	23	?	-		
Stockholm ...	30.24	21	Z	0	0	30.17	- 08	19	18	- 1	S	2	0	*	28	18	-		
Wisby ...	30.23	20	E	2	0	30.18	+ 05	22	21	- 4	SE	2	0	*	30	18	-		
Bodö ...	30.05	26	E	2	0	29.82	- 34	32	31	+ 9	E	2	5	1	?	21	-		
Christiansund...	30.14	29	SW	2	0	30.06	- 06	31	30	+ 7	ESE	1	0	2	32	?	-		
Skudesnaes ...	30.17	33	NNE	1	0	30.08	- 06	32	31	+ 1	ENE	1	0	2	34	30	-		
Christiania Fjord (Fjorder)	30.20	23	NE	4	0	30.15	- 04	19	18	- 7	ENE	2	0	1	27	16	-		
Skagen (The Scaw)	30.11	26	E	5	0	30.07	- 00	26	26	- 1	E	4	0	3	28	25	-		
Fanö ...	29.99	29	ENE	4	0	29.94	- 00	27	27	- 4	E	4	0	*	32	27	-		
BRITISH ISLANDS.																			
Sumburgh Head	30.15	35	Z	0	0	30.09	- 02	36	35	- 1	NE	1	0	2	37	32	0.05		
Stornoway ...	30.16	36	E	4	0	30.14	+ 05	37	37	0	NE	4	0	3	38	33	0.04		
Wick ...	30.14	34	Z	0	0	30.10	- 00	36	?	- 2	N	1	0	1	37	31	-		
Nairn ...	30.13	36	Z	0	0	30.13	+ 08	34	33	- 2	SW	1	5	1	40	32	0.02		
Aberdeen...	30.14	35	NE	1	0	30.10	+ 06	34	33	- 3	WNW	2	0	3	39	33	0.03		
Leith ...	30.10	37	NE	1	0	30.10	+ 15	36	35	+ 1	N	1	0	*	40	34	0.01		
Shields ...	30.03	37	NE	3	0	30.01	+ 12	37	35	+ 2	NNE	2	0	4	40	34	0.02		
Spurn Head ...	29.89	36	NE	6	0	29.92	+ 16	35	33	- 2	NE	5	0	6	38	33	-		
York ...	29.96	36	NNE	2	0	29.97	+ 21	34	33	+ 1	NE	1	0	*	39	32	-		
Loughborough	29.85	35	NE	5	0	29.93	+ 20	32	30	+ 2	N	3	0	*	37	29	-		
GERMANY.																			
Ardrossan ...	30.11	37	NE	2	0	30.11	+ 14	36	34	+ 2	NE	2	0	1	40	32	-		
Malin Head ...	30.13	39	NE	5	0	30.15	+ 18	39	36	0	NE	3	0	2	40	37	-		
Mullaghmore ..	30.09	40	ENE	6	0	30.15	+ 19	37	36	- 2	NNE	5	0	2	42	34	-		
Belmullet ...	30.11	39	ENE	3	0	30.18	+ 17	39	37	0	NE	3	0	*	43	32	-		
Donaghadee ...	30.07	40	ENE	6	0	30.11	+ 20	39	36	+ 1	ENE	6	0	4	41	37	-		
Barrow-in-Furness	29.99	36	NE	3	0	30.03	+ 25	33	31	- 1	N	2	0	*	42	31	-		
Liverpool (Bidston)	29.95	36	NE	3	0	30.01	+ 24	33	31	0	NNE	3	0	3	38	32	-		
Holyhead ...	29.96	38	NE	5	0	30.03	+ 26	37	34	+ 1	NE	5	0	4	39	36	-		
Parsonstown ...	30.04	37	Z	0	0	30.11	+ 22	30	29	- 3	Z	0	0	*	39	28	0.02		
Valencia ...	29.99	39	NE	5	0	30.12	+ 21	36	33	- 3	N	4	0	4	43	35	-		
Roche's Point...	29.92	37	NE	4	0	30.05	+ 25	35	32	+ 1	NE	3	0	4	39	33	0.01		
Pembroke ...	29.85	36	ENE	4	0	29.93	+ 27	36	34	+ 1	NE	3	0	1	38	34	-		
Scilly ...	29.74	38	NE	6	0	29.83	+ 27	39	36	+ 1	NE	6	0	6	40	34	0.02		
Prawle Point ...	29.71	35	ENE	6	0	29.79	+ 25	33	31	0	ENE	7	0	6	37	30	-		
Jersey ...	29.59	39	NE	4	0	29.66	+ 14	38	35	+ 8	NE	5	0	5	39	30	0.01		
Hurst Castle ...	29.64	37	ENE	7	0	29.77	+ 19	34	32	+ 1	ENE	7	0	4	38	30	-		
Dungeness ...	29.54	35	E	7	0	29.64	+ 09	36	34	+ 5	NE	8	0	6	37	30	-		
London ...	29.69	36	ENE	7	0	29.76	+ 13	34	31	+ 3	NE	7	0	*	38	31	0.01		
Oxford ...	29.80	34	NE	6	0	29.86	+ 19	33	32	+ 3	NNE	4	0	*	36	30	-		
Cambridge ...	29.77	34	NE	3	0	29.85	+ 14	34	32	+ 4	N	3	0	*	39	28	-		
Yarmouth ...	29.73	36	ENE	9	0	29.80	+ 12	34	32	- 1	NE	6	0	5	36	32	-		
Cuxhaven ...	29.92	30	E	6	0	29.90	+ 07	28	27	- 3	E	4	0	*	?	26	-		
Berlin ...	29.86	28	E	2	0	29.84	+ 02	25	24	- 3	E	4	0	*	34	23	-		
Wiesbaden ...	*	*	*	*	*	29.49	+ 06	39	33	+ 9	NE	6	0	*	43	?	-		
Munich ...	29.32	34	E	5	0	29.31	- 04	29	28	+ 1	E	4	0	*	39	27	-		
FRANCE & NETHERLANDS.																			
The Helder ...	29.77	33	ENE	7	0	29.78	+ 06	30	29	0	NE	5	0	4	34	30	-		
Brussels ...	*	*	*	*	*	29.63	-	27	27	-	NE	5	0	*	32	26	-		
Cape Gris Nez...	29.53	32	ENE	9	0	29.63	+ 11	32	32	+ 10	E	11	0	7	36	21	-		
Paris ...	29.43	27	N	3	0	29.49	+ 01	30	29	+ 13	N	7	0	*	31	?	-		
Brest ...	29.68	33	NE	4	0	29.67	+ 16	37	35	+ 5	N	7	0	3	43	32	0.16		
Lorient ...	29.57	34	NE	5	0	29.63	+ 19	37	35	+ 4	NE	4	0	2	?	30	-		
Rochefort ...	29.56	32	NE	5	0	29.59	+ 12	32	28	+ 3	NNE	5	0	2	37	27	-		
Belfort ...	29.28	27	NE	1	0	29.41	+ 07	29	29	+ 6	NW	1	0	*	30	?	-		
Lyons ...	29.31	26	WNW	4	0	29.48	+ 16	26	25	+ 1	WSW	1	0	*	28	24	-		
Nice ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-		
Perpignan ...	29.32	38	WNW	5	0	29.47	+ 28	34	29	- 1	NW	4	0	*	43	33	-		
Biarritz ...	29.48	35	SE	3	0	29.53	+ 13	34	31	0	SSW	4	0	2	43	30	0.12		
PENIN. ISLS.																			
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-		
Lisbon ...	29.82	43	NW	4	0	29.72	- 08	44	42	+ 4	N	5	0	4	50	?	0.08		

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

WEATHER CHARTS

for 8 a.m. on

Tuesday, 21st February,

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.

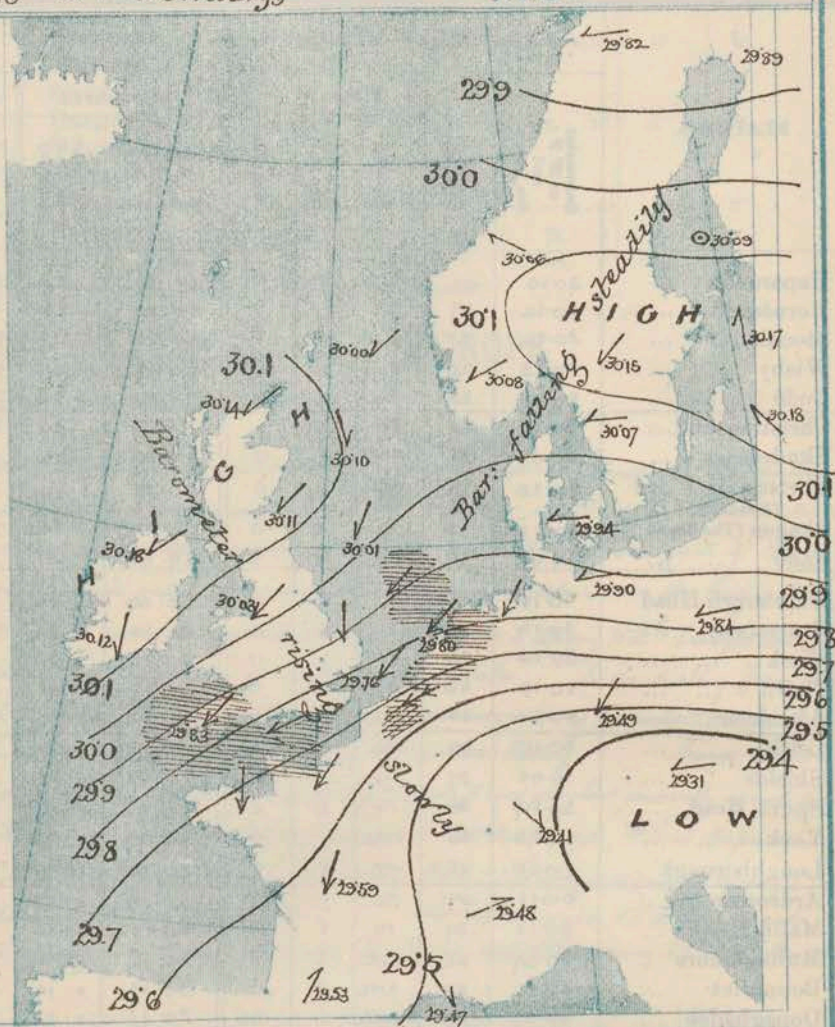
Sea Disturbance — where considerable is shown thus.

— Rough — High

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head.	29.718
Stornoway.	29.700
Wick.	29.737
Nairn.	29.747
Aberdeen.	29.780
Leith.	29.803
Shields.	29.847
York.	29.884
Loughborough.	29.912
Ardrossan.	29.805
Donaghadee.	29.812
Holyhead.	29.848
Liverpool.	29.873
Parsonstown.	29.894
Valencia.	29.850
Roche's Point.	29.850
Pembroke.	29.875
Scilly.	29.911
Jersey.	29.975
Hurst Castle.	29.944
Dover.	29.957
LONDON.	29.949
Oxford.	29.938
Cambridge.	29.935
Yarmouth.	29.928



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

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

Weather — is shown by Letters of the Beaufort Scale.

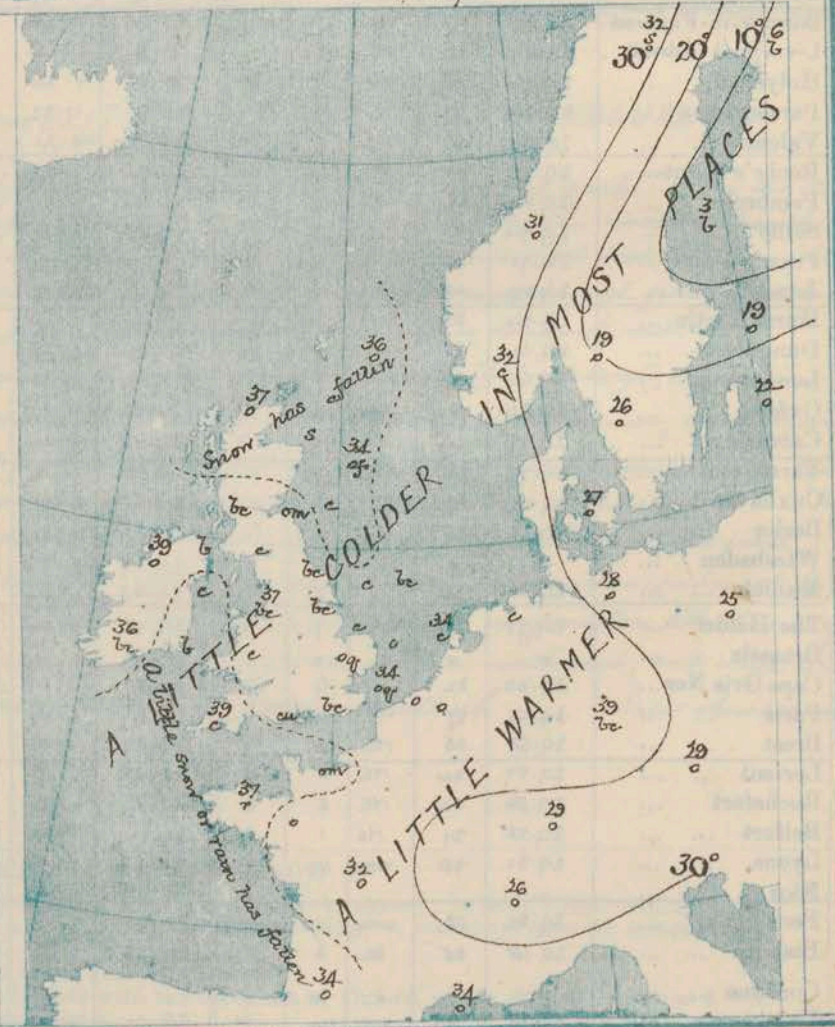
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of February

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m. Dry	Wet	
Sumburgh Head.	42.6	34.7	38.7	37.7	3.23
Stornoway.	43.5	34.7	39.3	38.2	3.97
Wick.	43.4	33.5	38.4	37.0	2.02
Nairn.	43.4	33.8	37.4	35.7	1.51
Aberdeen.	43.5	34.2	37.8	36.2	2.51
Leith.	46.0	34.7	39.2	37.7	1.58
Shields.	44.3	35.7	39.2	37.9	1.63
York.	45.3	34.2	38.2	37.1	1.88
Loughborough.	46.0	34.5	38.4	37.3	2.00
Ardrossan.	45.0	36.7	40.0	38.6	3.47
Donaghadee.	45.8	37.0	40.7	39.7	2.71
Holyhead.	46.1	39.3	42.3	40.8	2.90
Liverpool.	45.3	36.9	39.9	38.3	1.85
Parsonstown.	47.4	36.1	40.1	38.8	2.45
Valencia.	50.2	40.8	45.1	43.4	5.29
Roche's Point.	48.9	40.0	43.6	42.2	4.86
Pembroke.	46.2	40.3	43.1	41.9	3.20
Scilly.	49.7	43.7	46.9	45.3	2.98
Jersey.	47.6	40.1	43.2	42.0	2.72
Hurst Castle.	46.5	37.9	41.3	40.4	2.63
Dover.	45.4	37.4	40.3	39.1	3.12
LONDON.	46.9	36.0	39.7	38.6	1.89
Oxford.	45.9	35.9	38.8	37.7	2.06
Cambridge.	46.4	38.9	38.3	37.3	1.60
Yarmouth.	48.5	35.2	38.9	38.2	2.02

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, 30.1 ins. and upwards in two large areas lying respectively over the Baltic and south of Scandinavia and over the West of our Islands.
Lowest, 29.4 ins. and less, in a depression lying over South Germany.
Gradients rather steep over Germany, the Netherlands, and the south of our Islands. Barometer rising in England, Ireland, and France, but falling elsewhere.

TEMPERATURE

Highest, 44° at Lisbon, 39° at Malin Head, Donaghadee, Belmullet, and Bally, and 38° at Jersey.
Lowest, 3° at Helsingfors, 6° at Haparanda, 13° at Stockholm and Gander, 22° at Nisby, 25° at Berlin, and 26° at Lyons.
Frost occurred last night in nearly all parts of Western Europe.

WIND

Light N^W in the east of Scotland; moderate NW^W in the East and south of France.
E^{SE} or NE^E elsewhere, strong to a gale over the English Channel.
A strong NE^E gale was experienced last night in the south-east of England.

WEATHER

Fine at several of our western stations and also in the north of Sweden.
Cloudy or overcast elsewhere, with snow at Rode and Aavin, and rain at Brest and Lisbon.
Snow showers fell yesterday at several of our northern and eastern stations.

SEA

High at Cape Gris Nez, and rough on our south and east coasts generally, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over Scandinavia is gradually giving way and the tendency is for pressure to become highest to the westward of our Islands.

A small depression is apparently forming off the east of Scotland and as the above change becomes more fully developed the system will probably move southwards. Snow is therefore likely in many parts of Great Britain.

FORECASTS

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

DISTRICTS.

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

FORECASTS.

N^W winds, moderate; unsettled, some snow.
-----D°-----D°-----D°-----
-----D°-----D°-----D°-----
Same as N° 5.
N^W winds, moderate; fair to unsettled and some snow.
NE^E winds, strong to moderate; fair to unsettled and some snow.

DISTRICTS.

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

WARNINGS

FORECASTS.

NE^E and N^W winds, moderate; unsettled, some snow.
Same as N° 4.
NE^E strong winds or gales; fair generally, but some snow showers.
NE^E and N^W winds, increasing in force; changeable, some snow showers.
N^W winds, moderate; fair generally.
The north cone was hoisted last evening in districts 5 and 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.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudeensnes ...	30.28	33	32	N.W. 1	0	2	Holyhead ...	29.90	39	36	E.N.E. 6	bc	5
Sumburgh Head ...	30.15	37	35	2	0	3	Valencia ...	29.92	40	36	N.E. 5	0	5
Stornoway ...	30.16	38	38	N.E. 4	0	3	Scilly ...	29.66	38	34	E.N.E. 5	csp	5
Aberdeen ...	30.11	37	36	E 2	c	5	Dungeness ...	29.51	36	33	E 6	0	4
Shields ...	29.97	38	36	E 3	c	5	London ...	29.65	38	36	N.E. 5	c	*
Ardrossan ...	30.04	39	37	N.E. 3	b	2	Yarmouth ...	29.71	36	35	E.N.E. 7	c g q	6
Malin Head ...	30.05	40	36	N.E. 4	c	3	Jersey ...	29.57	38	34	N.E. 5	b	4
Mullaghmore ...	30.03	41	39	E.N.E. 6	bc	5	Rochefort ...	29.51	37	35	N.E. 4	b	2
Belmullet ...	30.05	41	37	E 5	c	*							

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

The reports for yesterday morning showed that the high-pressure area over Northern Europe was moving southwards, while that off the west of Ireland had moved westwards over the Atlantic, and that readings varied from 30.5 ins: and more over Northern Russia, and from between 30.1 ins: and 30.3 ins: over the Helvids, Shetland, and Scandinavia to rather below 29.2 ins: in a well-formed depression which lay over the Mediterranean. SE^{ly} to NE^{ly} winds were consequently prevalent over the whole of the northern and northwestern part of Europe, and blew strongly in many places, with showers of snow and sleet, some of which were heavy. In the southwest of France the wind was strong from NW, while over the eastern part of the Mediterranean it was strong to a gale from the S^W with cloudy weather and showers. Temperature had fallen over Northern Russia and France, risen in Germany and England, it was below the freezing point at all but the extreme west and south coast stations of Europe, and much below zero over Finland. The lowest individual values were -12° at Kuopio, -6° at Moscow, -3° at St. Petersburg, 0° at Helsingfors, +6° at Alsborg, 9° at Archangel, 10° at Kharkov, 11° at Haparanda, 14° at Kiev, 17° at Hermand and Paris, 21° at Nancy, 23° at Belfast, 28° at Berlin, 30° at Loughborough and Cambridge and 31° in London. The highest were 53° at Pau (Algeria), 53° at Palermo and Cagliari, 50° at Brindisi, 49° at Leghna, 47° at San Fernando and 46° at Rome.

Later on the E^{ly} wind increased to a gale over the southeast and south of our Islands and in the Channel, but pressure continued to give way over Northern Europe.

General Remarks on the Weather for 24 hours ended 8 am, Feb. 19th 1888.

The reports for Saturday showed that pressure then varied from 30.30 ins: and more over Central and Northern Russia, and from between 30.10 ins: and 30.25 ins: over Ireland to rather below 29.5 ins: both over the Gulf of Bothnia and the southwest of Germany. Thus, while SE^{ly} winds prevailed over Eastern and Central Europe, with cold cloudy weather and some snow, NE^{ly} and N^{ly} winds, moderate to a gale in force were experienced over the British Islands and France, with cold weather, showers of sleet and snow, and some bright intervals in places. Temperature was low everywhere; it varied from many degrees below the freezing point over Sweden, Finland, and the south of Russia, and from rather below the same value at all but the extreme western and southern coast stations to rather above 50° over the southeastern part of the Mediterranean and to rather above 40° in Ireland. The lowest individual values at 8 am were -10° F. at Kuopio, -5° at Hermand, -4° at Alsborg, -2° at Haparanda, 0° (Zero) at Archangel and +3° at St. Petersburg, 12° at Kharkov, 22° at Faerder, 25° at Tomö, 27° at Besançon and Madrid, 29° at Paris and York, and 31° at Oxford. The highest were 52° at Malta and Brindisi, 50° at Sfax (Algeria) 47° at Belmullet, 46° at Valencia and also at Oporto, and 40° to 43° at several of our West India stations.

Later on some fresh depressions were developed over France, and spreading northwards and westwards, caused the strong NE^{ly} winds to spread to the western and northern part of the British Islands, while snow showers fell very generally - heavily in places.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Wednesday 22nd February 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.															
			Dirac.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)			Max.	Min.																
SCANDINAVIA.																																
Haparanda ..	29.77	2	Z	0	o	29.95	+ .06	10	9	+ 4	N	4	c	*	16	-2	—															
Hernösand ...	30.05	24	Z	0	b	30.18	+ .09	9	9	+ 6	Z	0	b	*	36	3	—															
Stockholm ...	30.17	18	Z	0	o	30.15	— .02	12	11	— 7	WNW	2	f	*	25	?	—															
Wisby ...	30.20	22	SSE	2	c	30.14	— .04	21	20	— 1	ESE	2	o	*	30	18	—															
Bodö ...	30.00	30	NW	6	s	30.19	+ .37	28	24	— 14	NW	4	o	2	32	23	—															
Christiansund...	30.19	35	NW	3	r	30.31	+ .25	34	32	+ 3	E	1	c	3	37	30	0.16															
Skudesnaes ...	30.14	32	Z	0	o	30.20	+ .12	26	24	— 6	NNE	1	bc	2	32	?	—															
Christiania Fjord (Fjærd)	30.17	18	NNE	2	o	30.21	+ .06	20	20	+ 1	NE	2	b	1	20	14	—															
Skagen (The Scaw)	30.12	23	E	2	o	30.16	+ .09	20	19	— 6	E	2	o	2	27	19	—															
Fanö ...	29.97	26	ENE	6	c	30.01	+ .07	26	25	— 1	ENE	6	c	*	28	25	—															
BRITISH ISLANDS.																																
Sumburgh Head	30.17	37	NNE	4	o	30.20	+ .11	38	37	+ 2	NE	4	o	4	39	34	0.01															
Stornoway ...	30.19	39	NE	6	r	30.18	+ .04	38	38	+ 1	E	5	o	4	42	35	0.05															
Wick ...	30.16	39	NE	3	c	30.18	+ .08	39	38	+ 3	NE	3	c	2	40	34	0.04															
Nairn ...	30.12	37	NE	4	r	30.15	+ .02	35	33	+ 1	Z	0	op	1	38	31	0.04															
Aberdeen...	30.09	36	N	1	bc	30.14	+ .04	36	34	+ 2	ENE	3	c	4	37	33	0.10															
Leith ...	30.05	36	NE	4	c	30.08	— .02	36	33	— 0	E	3	c	*	41	33	0.06															
Shields ...	29.95	36	NE	4	chrs	30.02	+ .01	35	33	— 2	ENE	4	chsp	5	38	33	0.07															
Spurn Head ...	29.86	34	NNE	5	c	29.92	.00	32	32	— 3	ENE	5	ogsp	5	40	32	0.05															
York ...	29.91	34	N	1	o	29.97	.00	33	31	— 1	ENE	3	o	*	39	31	0.07															
Loughborough	29.87	35	N	3	o	29.89	— .04	32	31	— 0	NNE	3	o	*	38	31	0.02															
Ardrossan ...	30.07	36	ENE	2	rs	30.08	— .03	36	34	— 0	NE	1	om	1	41	35	0.02															
Malin Head ...	30.10	41	NNE	4	c	30.11	— .04	38	34	— 1	ENE	4	omp	3	41	36	0.01															
Mullaghmore ...	30.09	40	NNE	5	cp	30.05	— .10	38	36	+ 1	ENE	6	og	4	44	36	—															
Belmullet ...	30.13	38	NE	3	cph	30.07	— .11	36	35	— 3	E	2	o	*	44	34	0.03															
Donaghadee ...	30.05	40	N	5	c	30.05	— .06	37	35	— 2	NE	6	c	4	43	36	0.01															
Barrow-in-Furness	29.96	34	NNE	3	o	29.99	— .04	33	32	— 0	NNE	3	sp	*	39	32	0.02															
Liverpool (Bidston)	29.94	35	NNE	3	o	29.96	— .05	32	31	— 1	ENE	4	o	4	37	32	0.02															
Holyhead ...	29.96	39	NNE	6	o	29.96	— .07	34	33	— 3	ENE	5	csp	4	39	33	0.03															
Parsonstown ...	30.06	37	Z	0	bc	30.01	— .10	33	32	+ 3	Z	0	c	*	42	29	—															
Valencia ...	30.07	41	NNE	4	c	29.97	— .15	37	35	+ 1	NE	4	bcm	4	44	36	—															
GERMANY.																																
Roche's Point...	30.00	40	NE	5	c	29.91	— .14	34	32	— 1	NE	4	bc	4	41	33	—															
Pembroke ...	29.90	35	NNE	4	s	29.89	— .04	32	31	— 4	NE	3	sq	1	39	32	0.01															
Scilly ...	29.83	41	NNE	6	o	29.78	— .05	38	35	— 1	ESE	1	osp	4	41	36	—															
Prawle Point ...	29.80	32	NE	6	o	29.82	+ .03	32	30	— 1	N	3	c	3	41	30	—															
Jersey ...	29.73	37	NE	5	ogm	29.75	+ .09	36	33	— 2	ENE	3	om	3	38	35	—															
Hurst Castle ...	29.77	36	ENE	6	cm	29.80	+ .03	33	32	— 1	ENE	4	cg	2	38	31	—															
Dungeness ...	29.67	35	ENE	7	o	29.70	+ .06	30	29	— 6	ENE	6	o	5	37	29	—															
London ...	29.77	34	NE	5	o	29.80	+ .04	30	28	— 4	ENE	3	o	*	37	29	—															
Oxford ...	29.84	32	NE	2	o	29.84	— .02	31	31	— 2	NE	2	osp	*	35	30	0.01															
Cambridge ...	29.83	33	N	2	o	29.85	.00	31	30	— 3	ENE	1	o	*	37	29	—															
Yarmouth ...	29.79	34	NE	7	c	29.82	+ .02	31	30	— 3	ENE	6	c	5	35	28	—															
Cuxhaven ...	29.87	28	E	6	o	29.94	+ .04	26	26	— 2	E	5	o	*	?	24	—															
Berlin ...	29.82	24	E	4	o	29.91	+ .07	13	12	— 12	E	2	o	*	27	12	—															
Wiesbaden ...	*	*	*	*	*	29.67	+ .18	29	28	— 10	N	1	s	*	41	28	0.04															
Munich ...	29.45	31	W	4	s	29.58	+ .27	36	29	+ 1	W	2	o	*	39	?	0.08															
FRANCE & NETHERLANDS.																																
The Helder ...	29.79	26	ENE	5	o	29.85	+ .07	27	26	— 3	ENE	5	o	3	32	25	—															
Brussels ...	*	*	*	*	*	29.75	+ .12	24	23	— 3	NE	4	o	*	28	22	—															
Cape Gris Nez...	29.67	32	ENE	9	o	29.74	+ .11	25	25	— 7	E	7	o	4	36	25	—															
Paris ...	29.60	29	N	5	o	29.75	+ .26	23	23	— 7	NE	4	o	*	?	28	—															
Brest ...	29.76	37	NNE	5	o	29.76	+ .09	35	33	— 2	NE	4	o	4	41	30	—															
Lorient ...	29.67	38	NNE	7	o	29.74	+ .11	37	33	— 0	NNE	4	o	2	39	36	—															
Rochefort ...	29.64	33	NNE	5	s	29.73	+ .14	31	30	— 1	NE	5	o	2	36	27	—															
Belfort ...	29.51	29	E	1	o	29.68	+ .27	27	26	— 2	NW	1	o	*	31	23	—															
Lyons ...	29.50	30	ENE	1	o	29.68	+ .20	23	23	— 3	ENE	1	f	*	32	23	—															
Nice ...	29.54	35	S	1	b	29.57	+ .13	32	28	— 0	ENE	1	c	4	45	30	—															
Perpignan ...	29.53	38	NE	1	o	29.63	+ .16	32	32	— 2	NW	1	o	*	46	31	—															
Barritz ...	29.62	34	SE	4	f	29.68	+ .15	34	32	— 0	ESE	4	f	2	43	32	0.28															
PENIN- SULA.																																
Corunna ...	*	*	*	*	*	29.83	+ .07	42	42	+ 3	NE	1	o	5	30	36	0.35															
Lisbon ...	29.80	23	NNE	4	b	29.82	+ .10	42	40	— 2	NW	4	c	2	48	39	0.08															

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

WEATHER CHARTS

for 8 a.m. on Wednesday, 22nd February, 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.

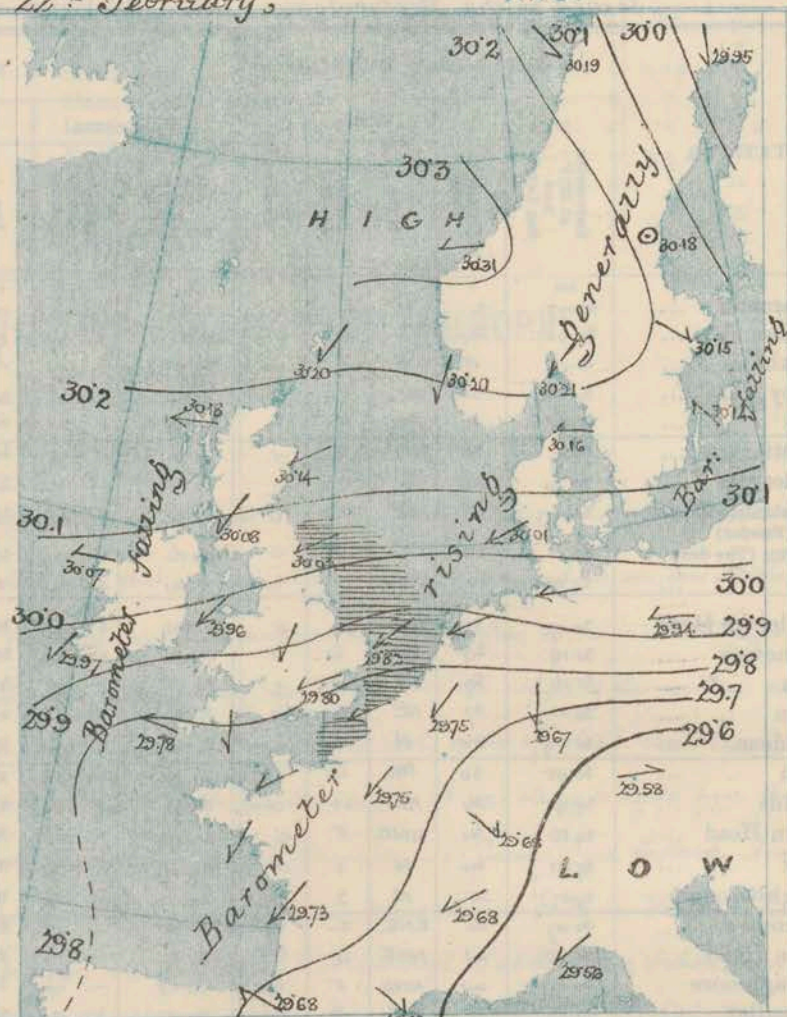
Sea Disturbance — where considerable is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.713
Stornoway	29.700
Wick	29.737
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.894
Loughborough	29.912
Ardrossan	29.806
Donaghadee	29.813
Holyhead	29.848
Liverpool	29.878
Parsonstown	29.884
Valencia	29.850
Roche's Point	29.850
Pembroke	29.875
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.988
Cambridge	29.995
Yarmouth	29.928



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

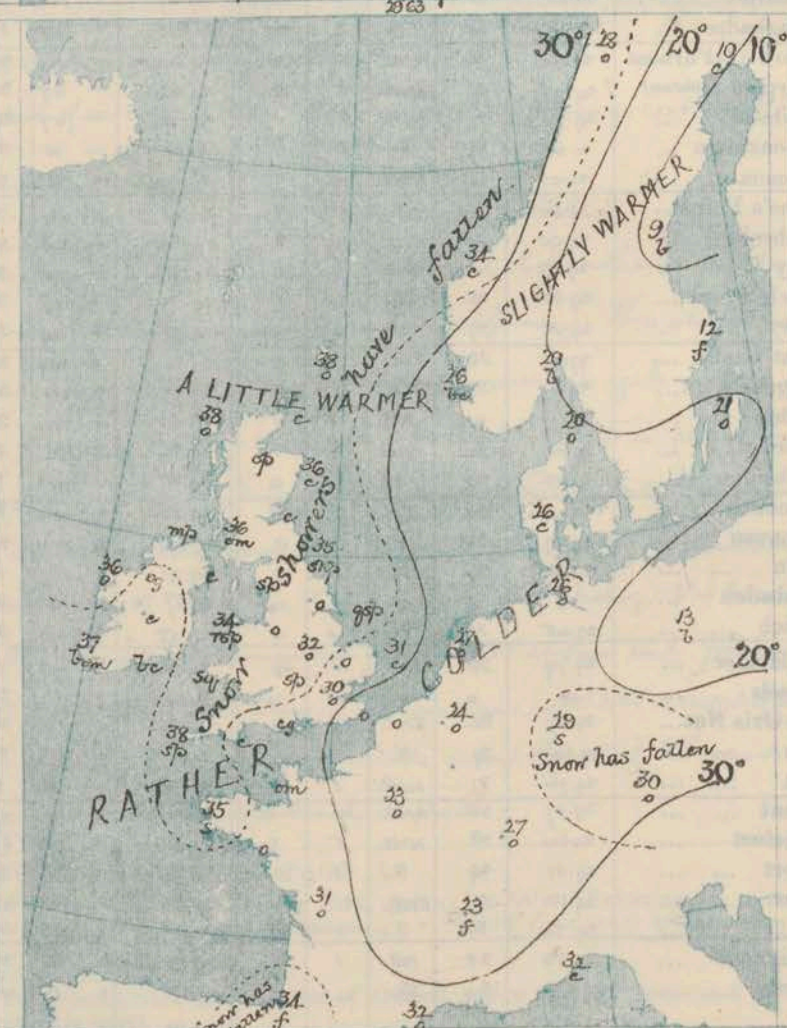
Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.
Weather is shown by Letters of the Beaufort Scale.
Rainfall A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
 for the month of February.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min	at 8 a.m.	at 8 a.m.	
			Dry	Wet	
Sumburgh Head	42.6	34.7	35.7	37.7	3.29
Stornoway	43.5	34.7	39.3	38.2	3.97
Wick	43.4	33.5	38.4	37.0	2.02
Nairn	43.4	33.8	37.4	36.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	44.6	34.7	39.2	37.7	1.68
Shields	44.8	35.7	39.2	37.9	1.63
York	45.3	34.2	38.2	37.1	1.88
Loughborough	46.0	34.5	38.4	37.3	2.00
Ardrossan	45.0	35.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.8	42.3	40.8	2.90
Liverpool	45.3	36.9	39.9	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	5.29
Roche's Point	48.9	40.0	43.6	42.2	4.85
Pembroke	46.2	40.3	43.1	41.9	3.20
Scilly	49.7	43.7	46.9	45.3	2.98
Jersey	47.6	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.63
Dover	45.4	37.4	40.3	39.1	2.12
LONDON	45.9	36.0	39.7	38.6	1.89
Oxford	45.9	35.9	38.8	37.7	2.06
Cambridge	46.4	33.9	38.3	37.3	1.60
Yarmouth	43.5	35.2	38.9	38.2	2.02

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 30.3 ins. and upwards in an anticyclone lying to the northward of Norway.
Lowest 29.7 ins. and less in an irregularly formed area lying over Switzerland, South Germany and the southeast of France.
Gradients moderate, but somewhat irregular. Barometer rising at all but our western stations.

TEMPERATURE

Highest 42° at Lisbon, 39° at Wick, 38° at Lamlugh Head, Stormoway, Malin Head, Mullaghmore and Scilly.
Lowest 9° at Hernösand, 10° at Haparanda, 12° at Stockholm, 13° at Berlin, and 20° at Faerder and Skagen.
Frost occurred last night at all but our extreme western stations.

WIND

Chiefly E. or N.E.; moderate or fresh in force generally, but strong in the East of England and North of Ireland.
Moderate N.W. in Sweden and the North of Norway, as well as in the South of France.

WEATHER

Fine in the South of Ireland, as well as at many of the Scandinavian stations.
Cloudy or overcast elsewhere with snow showers in the West and North of England, and fog at Lymington and Bournemouth.
[Snow showers fell yesterday at all our more northern stations.]

SEA

Rather rough off the East and Southeast of England, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new anticyclonic system has appeared to the northward of our Islands, but the low pressure areas over France and Germany are apparently filling up.

The present tendency is therefore for a slight reduction in the gradients over our Islands, but there is no indication of any material change in the weather.

FORECASTS

for the 24 hours ending at NOON on 25th February 1888.

DISTRICTS.

FORECASTS.

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

E^{ly} winds, moderate; fair generally, but snow showers in places.
.....D.....D.....D.....
Same as N° 5.
Same as N° 5.
Same as N° 5.
E^{ly} and N.E.^{ly} winds, fresh; cloudy, some snow showers.

DISTRICTS.

FORECASTS.

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

N.E.^{ly} winds, light; dull, misty.
Same as N° 5.
Same as N° 5.
N.E.^{ly} winds, strong; cloudy, some cold showers.
N.E.^{ly} winds, moderate; fair generally, but some showers.
The NORTH CONE has been lowered this morning in districts 5 and 8.

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 ...	20.11	22	20	S 2	0	3	Holyhead ...	29.99	39	37	NNE 6	c	5
Sumburgh Head ...	20.13	38	37	NNE 4	c	3	Valencia ...	30.10	41	37	N 4	bcw	4
Stornoway ...	30.18	42	41	NE 4	0	2	Scilly ...	29.94	40	37	NNE 6	c	6
Aberdeen ...	30.09	37	36	N 2	osr pf	1	Dungeness ...	29.67	36	34	ENE 8	c	6
Shields ...	29.98	37	35	NE 3	0	4	London ...	29.78	37	35	NE 5	oq	*
Ardrossan ...	30.08	41	38	N 1	0	1	Yarmouth ...	29.79	34	32	ENE 6	cg	5
Malin Head ...	30.14	41	38	NNE 3	c	3	Jersey ...	29.70	38	35	NE 5	0	4
Mullaghmore ...	30.13	43	39	NNE 5	ov	4	Rochefort ...	29.60	34	33	NNE 4	0	2
Belmullet ...	30.17	44	41	NE 2	6	*							

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

For Continental Information see Thursday's Report

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Thursday 23rd February 1888.

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

Issued by the Meteorological Office, No. Victoria Street, London, W. H. SCOTT, Secretary.																		
+ YESTERDAY EVENING.																		
8 A.M. TO DAY.																		
PAST 24 HOURS.																		
STATIONS.	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.			BAROMETER.		SHADE TEMP.			WIND.			Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force (0 to 12.)	Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)	Weather.		Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	30.31	5	Z	0	S	30.15	+ 30	- 5	- 5	- 15	S	2	C	*	18	1	-	
Hernösand ...	30.45	11	Z	0	b	30.42	+ 24	- 2	- 2	- 11	Z	0	b	*	32	?	-	
Stockholm ...	30.38	17	N	2	b	30.42	+ 27	7	6	- 5	N	2	b	*	27	?	-	
Wisby ...	30.23	28	NE	4	0	30.30	+ 16	21	18	0	E	2	bc	*	30	18	-	
Bodö ...	30.26	30	W	4	0	30.14	- 05	36	32	+ 8	WSW	6	0	3	?	25	-	
Christiansund...	30.31	29	E	2	b	30.36	+ 05	29	27	- 5	ESE	2	b	3	34	25	-	
Skudesnaes ...	30.29	33	Z	0	b	30.42	+ 22	24	24	- 2	NNE	1	b	2	39	24	-	
Christiania Fjord (Færder)	30.34	31	NNE	5	b	30.44	+ 23	25	24	+ 5	ENE	2	b	1	34	?	-	
Skagen (The Scaw)	30.31	25	E	3	b	30.39	+ 23	21	20	+ 1	E	4	b	3	25	19	-	
Fanö ...	30.16	24	ENE	4	b	30.24	+ 23	24	23	- 2	E	4	e	*	28	23	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.19	37	Z	0	0	30.29	+ 09	37	36	- 1	SE	2	0	3	40	33	0.01	
Stornoway ...	30.13	39	E	4	0	30.20	+ 02	36	35	- 2	SE	4	0	3	43	34	-	
Wick ...	30.19	38	NE	4	bc	30.29	+ 11	36	34	- 3	S	4	0	4	44	34	0.03	
Nairn ...	30.15	34	E	2	0	30.26	+ 11	30	30	- 5	Z	0	bc	0	38	27	0.04	
Aberdeen...	30.17	35	ESE	4	0	30.28	+ 14	34	31	- 2	SE	2	om	2	37	33	-	
Leith ...	30.10	34	E	2	0	30.22	+ 14	35	35	- 1	E	1	e	*	36	33	-	
Shields ...	30.06	35	E	4	0	30.19	+ 17	35	32	0	E	3	e	5	35	33	-	
Spurn Head ...	29.95	34	ENE	5	c	30.09	+ 17	34	33	+ 2	E	6	cq	5	38	32	-	
York ...	30.01	34	ENE	1	0	30.13	+ 16	34	32	+ 1	ENE	2	o	*	35	31	0.01	
Loughborough	29.94	32	NE	2	0	30.05	+ 16	32	31	0	ENE	3	o	*	34	30	0.01	
GERMANY.																		
Ardrossan ...	30.10	35	NE	2	0	30.19	+ 11	33	32	- 3	E	4	bc	2	37	32	-	
Malin Head ...	30.09	37	ESE	4	om	30.20	+ 09	35	35	- 3	SE	3	om	2	39	34	-	
Mullaghmore ...	30.05	37	ENE	5	0	30.12	+ 07	35	34	- 3	E	5	0	4	39	34	-	
Belmullet ...	30.06	37	E	4	0	30.13	+ 06	35	32	- 1	ESE	2	0	*	40	34	-	
Donaghadee ...	30.06	37	E	5	c	30.15	+ 10	35	33	- 2	E	5	e	3	38	35	-	
FRANCE & NETHERLANDS.																		
Barrow-in-Furness	30.02	33	NE	3	0	30.11	+ 12	32	30	- 1	NE	3	bc	*	35	30	0.01	
Liverpool (Bidston)	29.99	33	ENE	3	0	30.09	+ 13	32	31	0	ENE	5	0	0	34	32	-	
Holyhead ...	29.98	35	ENE	5	oq	30.08	+ 12	33	32	+ 1	E	5	cq	5	36	33	0.01	
Parsonstown ...	30.02	34	Z	0	0	30.08	+ 07	33	31	0	Z	0	0	*	39	32	0.03	
Valencia ...	29.96	36	NE	2	c	30.03	+ 06	37	34	0	ENE	3	om	3	42	36	0.01	
PENINSULA.																		
Roche's Point...	29.93	35	NE	4	c	29.98	+ 07	35	34	+ 1	NE	4	0	4	40	34	-	
Pembroke ...	29.90	34	ENE	3	c	29.99	+ 10	32	30	0	ENE	3	c	1	34	31	-	
Scilly ...	29.81	36	ENE	4	0	29.88	+ 10	35	34	- 3	ENE	5	osp	4	39	33	0.02	
Prawle Point ...	29.85	32	NE	3	0	29.90	+ 08	30	29	- 2	ENE	5	oq	4	33	28	0.03	
Jersey ...	29.82	35	NE	3	oqm	29.86	+ 11	33	32	- 3	NE	3	om	3	36	32	0.12	
SCANDINAVIA.																		
Hurst Castle ...	29.86	31	E	3	S	29.93	+ 13	31	30	- 2	E	5	oq	3	37	28	-	
Dungeness ...	29.78	32	ENE	6	0	29.89	+ 19	29	28	- 1	E	6	0	4	35	25	-	
London ...	29.88	30	ENE	4	0	29.96	+ 16	27	26	- 3	ENE	3	os	*	32	27	0.01	
Oxford ...	29.92	31	NE	3	0	30.00	+ 16	28	27	- 3	ENE	3	oq	*	32	28	-	
Cambridge ...	29.91	32	NNE	2	0	30.02	+ 17	29	28	- 2	NE	3	0	*	33	27	-	
GERMANY.																		
Yarmouth ...	29.89	32	ENE	6	c	30.00	+ 12	30	29	- 1	ENE	7	cq	5	32	28	-	
Cuxhaven ...	30.03	26	E	4	b	30.20	+ 26	20	19	- 6	E	3	b	*	26	19	-	
Berlin ...	30.02	20	E	3	0	30.12	+ 21	16	15	+ 3	E	2	c	*	23	?	0.32	
Wiesbaden ...	*	*	*	*	*	29.90	+ 23	29	28	0	NE	3	0	*	36	27	-	
Munich ...	29.69	30	E	2	0	29.80	+ 22	24	24	- 6	NE	5	0	*	36	23	-	
FRANCE & NETHERLANDS.																		
The Helder ...	29.96	24	E	5	bc	30.06	+ 21	20	19	- 7	E	5	e	3	27	19	-	
Brussels ...	*	*	*	*	*	29.94	+ 19	20	20	- 4	NE	4	0	*	29	18	-	
Cape Gris Nez...	29.77	28	E	5	0	29.88	+ 14	24	24	- 1	E	5	0	4	30	23	-	
Paris ...	29.78	27	NW	1	0	29.83	+ 08	26	25	+ 3	N	3	0	*	28	?	-	
Brest ...	29.76	37	Z	0	0	29.85	+ 09	32	?	- 3	NNE	3	S	2	41	30	-	
PENINSULA.																		
Lorient ...	29.77	36	NE	1	0	29.84	+ 10	33	31	- 4	ENE	3	0	2	39	32	-	
Rochefort ...	29.84	33	NE	4	0	29.88	+ 15	28	28	- 3	ENE	4	bc	2	36	23	-	
Belfort ...	29.73	30	NW	1	c	29.77	+ 09	28	27	+ 1	NE	1	0	*	33	25	-	
Lyons ...	29.78	26	N	1	m	29.84	+ 16	24	23	+ 1	NW	3	m	*	33	?	-	
Nice ...	29.58	38	ESE	1	c	29.68	+ 01	37	31	+ 5	ENE	3	bc	?	45	30	-	
SCANDINAVIA.																		
Perpignan ...	29.73	36	NW	4	b	29.76	+ 13	32	29	0	NW	1	b	*	45	29	-	
Biarritz ...	29.79	36	ESE	3	b	29.75	+ 07	34	32	0	SE	4	0	2	37	32	0.04	
PENINSULA.																		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
Lisbon ...	29.94	46	N	4	b	29.91	+ 09	42	42	0	NW	5	bc	2	52	41	0.08	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Thursday, 23rd February, 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

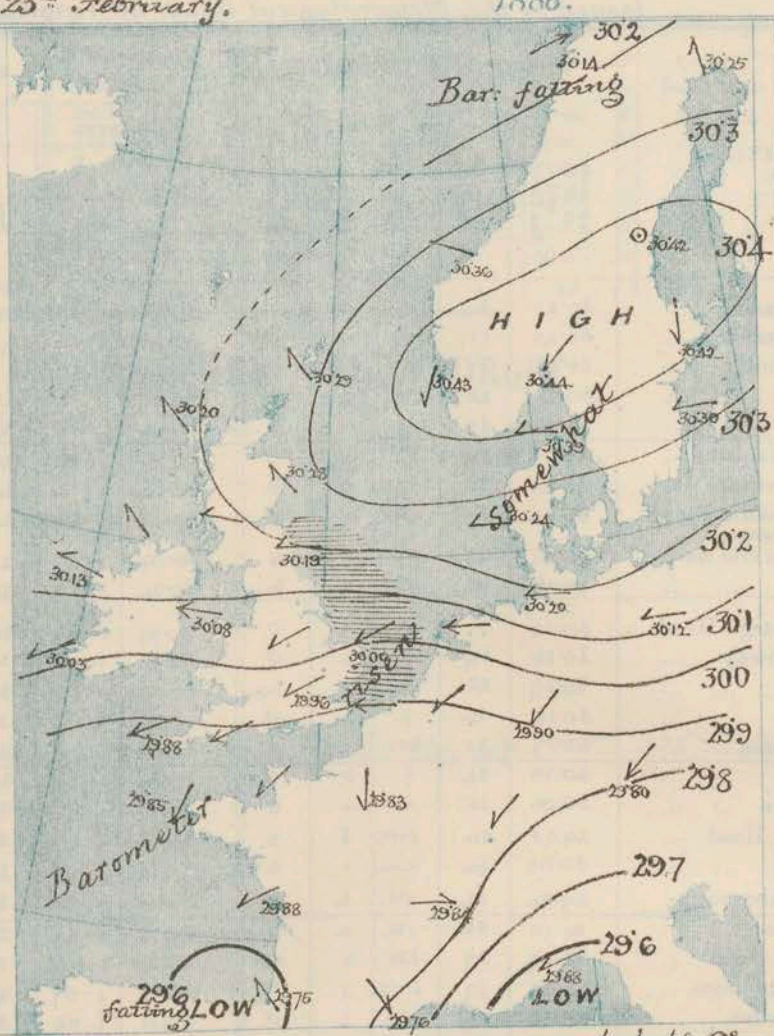
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 * — forces above 10, * — forces 8 to 10,
 — forces 5 to 7, — forces 1 to 4,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

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.718
Stornoway	29.700
Wick	29.737
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.805
Donaghadee	29.812
Holyhead	29.848
Liverpool	29.873
Parsonstown	29.884
Valencia	29.850
Roche's Point	29.850
Pembroke	29.875
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.938
Cambridge	29.935
Yarmouth	29.928



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

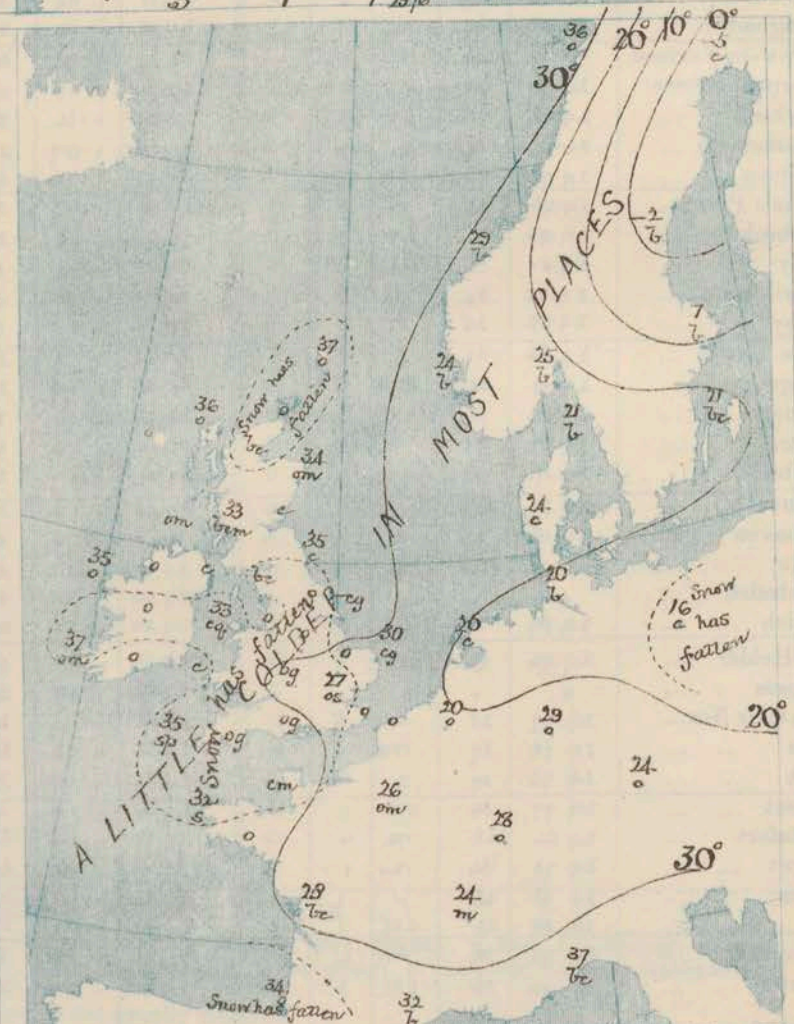
Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.
Weather — is shown by Letters of the Beaufort Scale.
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted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

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
 for the month of February

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	42.6	34.7	38.7	37.7	3.29
Stornoway	43.5	34.7	39.3	38.2	3.97
Wick	43.4	33.5	38.4	37.0	2.02
Nairn	42.4	33.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	46.6	34.7	39.2	37.7	1.58
Shields	44.8	35.7	39.2	37.9	1.63
York	45.3	34.2	38.2	37.1	1.88
Loughborough	46.0	34.5	38.4	37.3	2.00
Ardrossan	45.0	36.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.90
Liverpool	45.2	36.9	39.9	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	5.20
Roche's Point	43.9	40.0	43.6	42.2	4.86
Pembroke	46.2	40.3	43.1	41.9	4.20
Scilly	49.7	43.7	46.9	45.3	2.08
Jersey	47.0	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.03
Dover	45.4	37.4	40.3	39.1	2.12
LONDON	46.0	36.0	39.7	38.6	1.89
Oxford	45.9	35.9	38.8	37.7	2.06
Cambridge	46.4	33.9	38.3	37.3	1.60
Yarmouth	43.5	35.2	38.9	38.2	2.02

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.4 ins. and upwards, in an anticyclone lying over the Central and Southern parts of Scandinavia. Lowest, 29.6 ins. and less, in a depression lying over the Gulf of Genoa; 29.8 ins. and less, in another disturbance lying over the NE. of Spain. Gradients moderate over Germany, the Netherlands, the south of our Islands, but slight elsewhere. Barometer falling decidedly in the north of Scandinavia, and slightly over Spain and the southwest of France, but rising elsewhere.
TEMPERATURE	Highest, 42° at Lisbon, 37° at Lumburgh Head and Valencia, and 36° at Bodø, Stornoway and Niek. Lowest, -5° at Haparanda, -2° at Hernös, and, +7° at Stockholm, 16° at Berlin, and 20° at Copenhagen, Helder, and Brussels. Frosts occurred last night at all but a few of the western and northern stations.
WIND	Moderate from SE. in Scotland, strong from the SW. at Bodø, light from S. at Haparanda. E. or NE. elsewhere, moderate or fresh in force generally, but strong on the southeast coast of England.
WEATHER	Fine in Denmark and the southern parts of Scandinavia and France. Cloudy or overcast elsewhere with snow at Seilly, Brest, and in London. Snow fell yesterday in many parts of the United Kingdom.
SEA	Rather rough off the East of England, but moderate to smooth elsewhere.


PROBABLE CHANGES IN SYSTEM NOW PREVALENT


There is at present no sign of any decided change in the distribution of pressure, but the shallow depression which has appeared over the northeast of Spain may possibly extend northwards. An increase in the strength of the E. wind on our south and southeast coasts is therefore not improbable, with snow showers in many places. Over our northern districts the weather is likely to remain fair for a time.

FORECASTS

for the 24 hours ending at NOON on 24th February 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SE. winds, moderate; fair generally.	6 { SCOTLAND WEST	E. winds, light; fair generally.
1 { SCOTLAND EAST	-----D°-----D°-----D°-----	7 { ENGLAND N. W.	Same as No 2.
2 { ENGLAND N. E.	E. winds, fresh; fair generally.	8 { ENGLAND S. W.	Same as No 5.
3 { ENGLAND EAST	Same as No 5.	9 { IRELAND NORTH	E. winds, moderate or fresh; fair generally.
4 { MIDLAND COUNTIES	Same as No 2.	10 { IRELAND SOUTH	-----D°-----D°-----D°-----
5 { ENGLAND SOUTH	E. winds, strong; drizzle, misty, snow showers locally.		NONE ISSUED.
		WARNINGS	

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.25	39	32	E 1 E 1	C	2	Holyhead ...	29.47	34	33	E 1 E 1	O 3 p	4
Sumburgh Head ...	30.15	39	38	E 1 E 1	O	3	Valencia ...	29.96	40	36	E 1 E 1	O 3 m	4
Stornoway ...	30.15	43	42	E 4	O	3	Scilly ...	29.81	38	34	E 1 E 1	O	4
Aberdeen ...	30.16	37	34	E 3 E 4	O	4	Dungeness ...	29.76	32	31	E 1 E 1	O	5
Shields ...	30.03	35	34	E 1 E 4	O p	5	London ...	29.85	32	31	E 1 E 4	O 3 p	*
Ardrossan ...	30.09	35	33	E 1 E 3	O	1	Yarmouth ...	29.86	31	30	E 1 E 6	O	5
Malin Head ...	30.09	38	34	E 1 E 4	C	3	Jersey ...	29.79	36	32	E 1 E 5	O	4
Mullaghmore ...	30.05	37	35	E 1 E 4	O m	4	Rocheport ...	29.82	34	32	E 1 E 4	O	2
Belmullet ...	30.07	39	35	E 2	O	*							

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

The reports for yesterday morning showed that pressure varied from 30.3 ins: and more in an anticyclone which lay to the northward of the Shetlands and westward of Norway, and from 30.1 ins: and more, in a "col" which extended thence in an easterly direction across Scandinavia and the Baltic to Central Russia, to about 29.6 ins: in a depression lying over the White Sea, and to about the same value in a much larger disturbance which covered Southern Europe, the Mediterranean, and in which were two distinct minima, one over Western Germany, and the other between Marseilles and the Isle of Bonifacio. NE³ and E³ winds were still prevalent over the British Islands and Western Europe generally, and blew strongly in the Channel and East of England, and were accompanied by occasional slight falls of snow, but over Northern Europe a W⁴ to NW⁴ current of wind had appeared, accompanied by a rise of the thermometer and fair weather. Over the Mediterranean the winds varied greatly and the weather was showery. Temperature was lowest over Russia, and Poland, and NE Germany, but was still below the freezing point at all but the Atlantic and Mediterranean coast stations. The lowest individual values reported were 7° F. at Riga, 1° at Moscow, 2° at Helsingfors, 6° at Archangel, 7° at Kharkov, 9° to 10° in the north of Sweden, 13° at Berlin and Cracow, 18° at Helsingfors, 19° at the Scaw, 21° at Clermont, Besançon, and Madrid, 23° at Paris, 24° at Brussels, and 30° in London. The highest were 54° at Malta and Palermo, 52° at La Calle (Algeria) 50° at Cagliari and Sirina, 48° at Naples, 42° at Lisbon and Corunna, 38° at Seville, and 34° at Christiansund. No important change occurred during the day.

General Remarks on the Weather for 24 hours ended 8 a.m. Feb: 22nd 1888.

The reports for Tuesday morning showed that pressure varied from between 30.3 ins: and 30.5 ins: over Central Russia, and from 30.1 ins: and more in the extreme west and northwest of our Islands to somewhat below 29.5 ins: over France, Western Germany, Switzerland and Northern Italy, and to rather below 29.4 ins: in two minima, one lying near Belfort and the other near Gap. SE³ winds cloudy weather, and snow at times were reported over Russia and Poland, and strong NE³ winds over the south and east of the British Isles, the Channel, and north of France, while in the southwest of France and over Spain the wind was NW⁴, where, however, snow was less prevalent than on Monday. Temperature had decreased both over northern and central Russia, risen over Finland, as well as over the British Isles, Brittany, and the west of France, but was still below the freezing point at all but the extreme western and southern stations. The lowest individual values were -14° at Moscow, -5° at Archangel, (Zero) at Kiev and St. Petersburg, +3° at Helsingfors, 4° at Memel, 10° at Haparanda, 14° at Lemberg, 19° at Stockholm and Gaarden, 16° at Warsaw, 25° at Munster, Berlin, and Breslau. The highest were 53° at Benidiri (the Malta report is wanting), 50° at La Calle (Algeria) 45° at San Fernando and Palermo, 44° at Lisbon, 40° at Barcelona, and 39° at several of the Irish stations. Later in the day the E³ wind increased to a strong gale in the south and east, and snow showers continued to fall in most districts.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for *Friday, 24th February* 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 ..	30.01	18	E	2	0	30.08	-17	?	?	?	2	0	c	*	19	-8	-	
Hernösand ...	30.33	10	Z	0	6	30.28	-14	7	7	+9	2	0	b	*	27	-2	-	
Stockholm ...	30.40	10	N	2	6	30.43	+01	1	1	-6	2	0	b	*	23	?	-	
Wisby ...	30.33	21	E	4	bc	30.36	+06	19	18	-2	E	2	b	*	27	18	-	
Bodö ...	30.05	36	HSW	6	0	30.13	-01	33	31	-3	Z	0	c	0	36	32	-	
Christiansund...	30.34	37	SW	3	0	30.30	-06	36	33	+7	SSE	1	0	3	37	?	-	
Skudesnaes ...	30.39	31	NNE	1	0	30.35	-07	29	26	+5	S	6	bc	4	36	23	-	
Christiania Fjord (Færd)	30.38	24	Z	0	6	30.41	-03	21	18	-4	NNE	2	b	1	25	?	-	
Skagen (The Scaw)	30.34	19	E	2	6	30.35	-04	17	16	-4	E	2	b	0	21	16	-	
Fanö ...	30.22	19	NE	6	0	30.15	-09	18	17	-6	NE	6	b	*	27	14	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.34	37	SSE	1	0	30.34	+05	33	31	-4	Z	0	b	1	40	30	0.04	
Stornoway ...	30.26	36	S	3	0	30.30	+10	28	28	-8	Z	0	or	2	39	23	-	
Wick ...	30.32	35	S	2	c	30.34	+05	35	35	-1	SE	2	0	3	37	33	-	
Nairn ...	30.30	28	Z	0	6	30.30	+04	28	26	-2	Z	0	b	1	38	23	-	
Aberdeen...	30.32	35	SE	4	oph	30.33	+05	34	32	0	ESE	3	om	3	37	33	-	
Leith ...	30.26	35	E	2	0	30.28	+06	34	34	-1	E	2	0	*	36	32	-	
Shields ...	30.23	34	E	3	oph	30.23	+04	35	32	0	NE	4	oph	5	35	32	-	
Spurn Head ...	30.13	33	E	6	c	30.13	+04	32	32	-2	NE	6	bcq	6	35	30	-	
York ...	30.18	33	NE	2	0	30.19	+06	31	30	-3	NNE	1	0	*	35	29	-	
Loughborough	30.11	31	EHE	4	0	30.12	+07	30	28	-2	NNE	3	0	*	34	30	-	
GERMANY.																		
Ardrossan ...	30.25	34	EHE	4	0	30.29	+10	33	32	0	EHE	4	om	1	37	32	-	
Malin Head ...	30.21	36	ESE	3	om	30.28	+08	35	34	0	EHE	3	om	2	37	32	-	
Mullaghmore ...	30.18	37	E	5	cm	30.25	+13	35	33	0	EHE	5	0	3	39	33	-	
Behnullet ...	30.19	37	E	3	c	30.27	+14	33	31	-2	E	2	0	*	39	30	-	
Donaghadee ...	30.22	36	E	5	bc	30.26	+11	34	32	-1	E	5	c	3	38	33	-	
Barrow-in-Farness	30.18	33	NE	3	c	30.20	+09	31	30	-1	NE	3	c	*	39	28	-	
Liverpool (Bidston)	30.15	33	EHE	5	0	30.19	+10	31	30	-1	NE	3	0	3	35	30	-	
Holyhead ...	30.12	34	EHE	5	cmq	30.20	+12	32	31	-1	EHE	4	c	4	37	32	-	
Parsonstown ...	30.12	35	Z	0	c	30.21	+13	32	31	-1	Z	0	0	*	36	31	-	
Valencia ...	30.06	37	EHE	4	cm	30.19	+16	34	31	-3	NE	3	bcu	3	41	34	-	
Roche's Point...	30.03	34	NE	4	0	30.13	+15	33	32	-2	NE	4	bc	4	37	32	-	
Pembroke ...	30.03	33	E	4	bc	30.11	+12	32	29	0	NE	3	c	1	34	29	-	
Seilly ...	29.91	34	EHE	4	0	30.01	+13	33	33	-2	NE	5	0	4	39	32	-	
Prawle Point ...	29.95	29	EHE	5	0	30.01	+11	29	27	-1	EHE	6	c	5	32	26	-	
Jersey ...	29.88	34	NE	4	om	29.93	+07	32	31	-1	EHE	5	om	4	34	32	0.02	
Hurst Castle ...	29.97	31	E	5	og	29.99	+06	31	30	0	EHE	4	csp	2	33	29	-	
Dungeness ...	29.90	30	E	6	0	29.92	+03	26	26	-3	E	4	s	5	30	25	-	
London ...	30.00	29	NE	3	osp	30.00	+04	29	28	+2	NE	3	s	*	29	27	0.03	
Oxford ...	30.06	29	NE	3	0	30.06	+06	29	28	+1	NE	2	osg	*	30	25	-	
Cambridge ...	30.07	29	NNE	4	0	30.05	+03	29	29	0	NE	4	0	*	31	25	-	
Yarmouth ...	30.04	30	EHE	4	bc	30.01	+01	26	26	-4	EHE	8	cs	6	32	25	0.02	
Cuxhaven ...	30.17	28	EHE	5	c	30.05	-15	23	22	+3	NE	6	s	*	28	20	-	
Berlin ...	30.01	23	E	4	0	29.97	-15	13	12	-3	EHE	4	c	*	25	12	-	
Wiesbaden ...	*	*	*	*	*	29.78	-12	23	22	-6	NE	3	0	*	34	21	-	
Munich ...	29.72	26	NE	4	0	29.75	-05	19	19	-5	NE	3	s	*	30	?	0.04	
FRANCE & NETHERLANDS.																		
The Helder ...	30.09	29	EHE	5	b	30.02	-04	25	23	+5	EHE	5	b	3	?	19	0.03	
Brussels ...	*	*	*	*	*	29.90	-04	21	21	+1	EHE	4	s	*	28	17	0.04	
Cape Gris Nez...	29.91	26	E	7	0	29.91	+03	24	24	0	E	4	0	3	28	23	-	
Paris ...	29.86	30	NE	4	0	29.82	-01	21	20	-5	N	5	c	*	31	19	-	
Brest ...	29.79	41	SE	3	0	29.89	+04	32	28	0	E	4	0	3	41	28	-	
Lorient ...	29.84	33	EHE	3	0	29.87	+03	30	30	-3	EHE	5	0	2	37	28	-	
Rochefort ...	29.84	33	NE	4	bc	29.84	-04	31	30	+3	NE	5	m	2	39	27	-	
Belfort ...	29.77	31	NE	0	0	29.66	-11	19	19	-9	NE	1	s	*	32	18	-	
Lyons ...	29.80	30	N	1	0	29.70	-14	29	28	+5	N	3	s	*	31	?	-	
Nice ...	29.60	40	ESE	1	b	29.52	-06	32	29	-5	E	3	b	2	50	30	-	
Perpignan ...	29.72	38	NE	1	0	29.71	-05	25	24	-7	SW	1	c	*	47	24	-	
Biarritz ...	29.75	44	W	5	0	29.73	-02	33	31	-1	SE	4	0	1	48	30	-	
PENIN- SULA.																		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lisbon ...	29.84	47	W	5	0	29.77	-14	44	42	+2	WNW	3	bc	4	54	41	0.24	

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts.

WEATHER CHARTS

for 8 a.m. on

Friday, 24th February.

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.

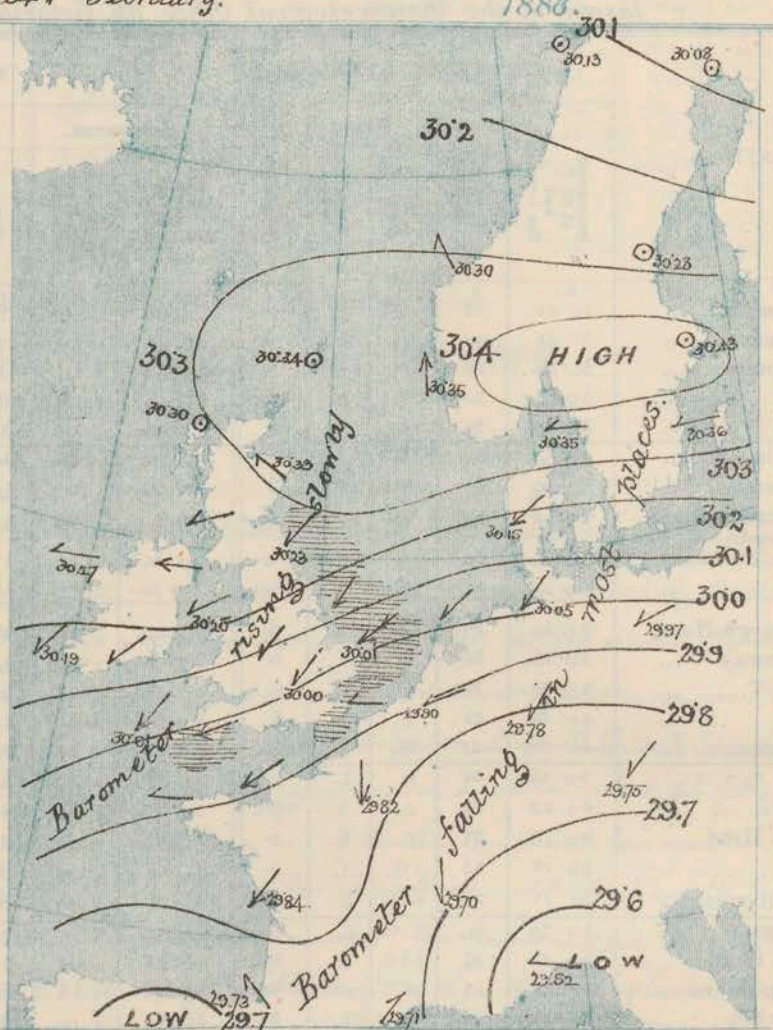
Sea Disturbance — where considerable is shown thus.

■ = Rough ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.713
Stornoway	29.700
Wick	29.737
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.805
Donaghadee	29.812
Holyhead	29.948
Liverpool	29.873
Parsonstown	29.894
Valencia	29.850
Roche's Point	29.850
Pembroke	29.875
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.938
Cambridge	29.935
Yarmouth	29.926



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.

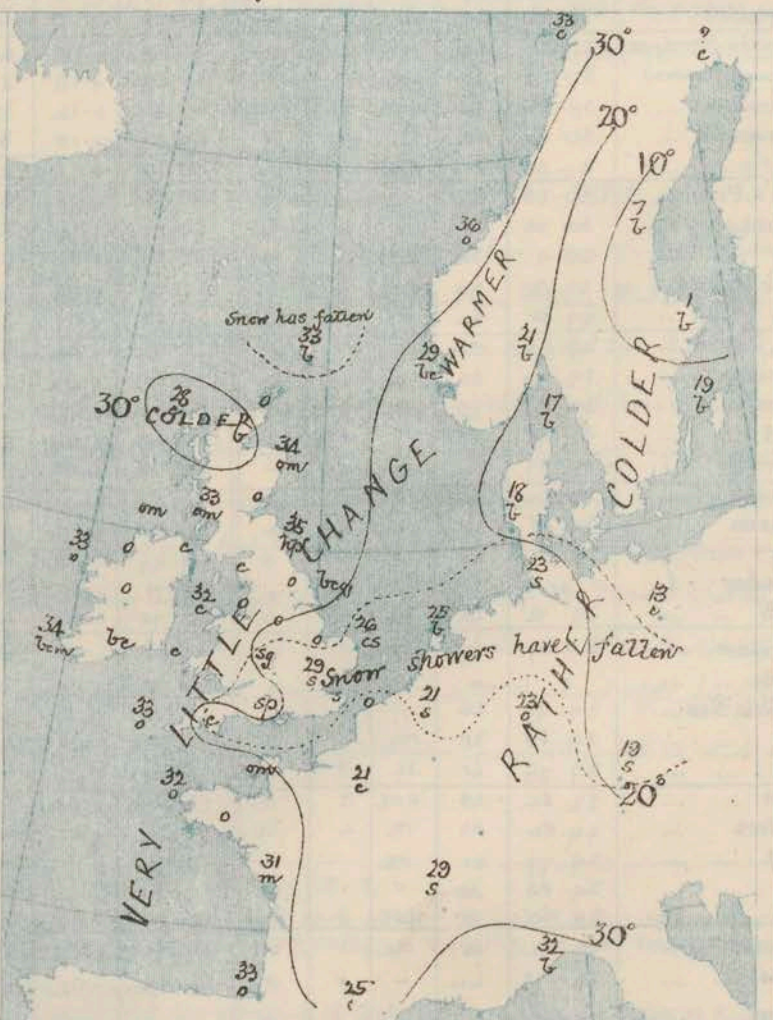
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of February.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.6	34.7	38.7	37.7	3.29
Stornoway	43.5	34.7	39.3	38.2	3.97
Wick	43.4	33.5	38.4	37.0	2.02
Nairn	43.4	33.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	46.6	34.7	39.2	37.7	1.58
Shields	44.3	35.7	39.2	37.9	1.63
York	45.3	34.2	38.2	37.1	1.88
Loughborough	46.0	34.5	38.4	37.3	2.00
Ardrossan	45.0	36.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.90
Liverpool	45.3	36.9	39.9	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	5.29
Roche's Point	48.9	40.0	43.6	42.2	4.86
Pembroke	46.2	40.3	43.1	41.9	3.20
Scilly	49.7	43.7	46.9	45.3	2.98
Jersey	47.6	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.63
Dover	45.4	37.4	40.3	39.1	2.12
LONDON	46.9	36.0	39.7	38.6	1.89
Oxford	45.9	35.9	38.8	37.7	2.06
Cambridge	46.4	33.9	38.3	37.3	1.60
Yarmouth	43.5	35.2	38.9	38.2	2.02

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 ins. and upwards, in an anticyclone lying over the south of Scandinavia.
Lowest, 29.6 ins. and less, over the southeast of France, 29 ins. and less, over the north of Spain.
Gradients rather steep over North Germany and the southern part of the North Sea, but moderate or slight elsewhere.
Barometer rising a little in our islands, but falling at most of the Continental stations—somewhat decidedly in Germany.

TEMPERATURE

Highest, 44° at Dublin, 36° at Christiansund, 35° at Niek. Shields, Malin Head, and Mullaghmore, and 34° at Aberdeen, Leith, and Donaghadee.
Lowest, 1° at Stockholm, 7° at Helsingfors, 13° at Berlin, 17° at Skagen, 18° at Faoë, and 19° at Helsing and Munich.
The maxima registered yesterday were below 40° at all stations excepting Lumburg and Valencia, and 32° in the southeast of England.

WIND

Calm in Sweden, as well as in the Shetlands and Hebrides; S.W. in the west of Norway.
E. or NE. elsewhere, strong in force at our most exposed eastern and southern stations, with a gale at Farnmouth.

WEATHER

Fair in the west and north of our islands, as well as in Scandinavia, Denmark, and the extreme south of France.
Cloudy or overcast elsewhere, with mist in Germany, Belgium, and the southeast of England, as well as at Lyons.
Snow showers fell yesterday at several of our eastern and southern stations.

SEA

Rough off the east and southeast of England, and rather rough at Haver Point, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now falling somewhat decidedly in Germany, with snow in many places. There is consequently a tendency for an increase in the steepness of the gradients over our east and southeast coasts, and the wind there is likely to blow harder from the NE.

No further change is indicated at present.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	E. Winds, freshening; cloudy, some snow showers.
1	SCOTLAND EAST	D°-----D°-----D°-----
2	ENGLAND N.E.	Same as No 5
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	NE. Winds, freshening; dull, some snow.
5	ENGLAND SOUTH	NE. Winds, increasing to a gale; squally, some snow.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NE. Winds, moderate; dull, misty.
7	ENGLAND N.W.	NE. Winds, freshening; fair to unsettled and some snow showers.
8	ENGLAND S.W.	NE. Winds, strong; cloudy, some snow showers.
9	IRELAND NORTH	NE. Winds, freshening; fair generally.
10	IRELAND SOUTH	D°-----D°-----D°-----
WARNINGS		The north cone has been hoisted this morning in districts 2, 3, and part of 5.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.44	35	31	SSW 2	c	2	Holyhead ...	30.10	36	33	EHE 5	c q m	5
Sumburgh Head ...	30.32	39	37	SSE 1	o	3	Valencia ...	30.03	40	36	HE 4	c m	4
Stornoway ...	30.25	38	37	S 4	o	3	Scilly ...	29.90	34	33	EHE 3	o	4
Aberdeen ...	30.31	36	33	SSE 2	c	2	Dungeness ...	29.90	29	28	E 6	o sp	5
Shields ...	30.22	35	31	E 3	o	5	London ...	30.00	29	28	EHE 4	sp q m	*
Ardrossan ...	30.22	37	34	EHE 4	bc	2	Yarmouth ...	30.03	30	29	EHE 7	c q	5
Malin Head ...	30.20	36	36	ESE 3	o	2	Jersey ...	29.87	33	32	HE 4	o	3
Mullaghmore ...	30.17	37	34	E 5	o	4	Roche fort ...	29.86	36	32	HE 4	bc	2
Belmullet ...	30.16	39	34	ESE 2	c	*							

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

The reports for yesterday morning showed that pressure varied from 30.4 ins: and more over the southern half of Scandinavia to 29.5 ins: and less, in a depression over the southern parts of the Mediterranean and to about 30.1 ins: over the western parts of Lapland. Another (shallow) depression lay over the East of France. NE² and E² winds were blowing over the whole of Western Europe, and N² in the south of France, but S² to SE² breezes were felt over the eastern parts of the Mediterranean. In Lapland the wind was W² to S². The weather was cold generally, with occasional snow showers. Temperature was even lower generally than on Wednesday, the frost being very severe all over Eastern and Northern Europe, and sharper generally except in the extreme west than on the 23rd. The lowest individual values reported were -8° at Uleaborg, -6° at Kiev and Warsaw, -5° at Haparanda, -4° at Archangel, -2° at Helsingfors, 0° at Kuopio, +1° at Moscow, 7° at Breslau, 8° at Riga, 9° at Cracow, Limburg, Nicolaioff, and Odessa, 14° at Hamburg, 16° at Berlin, 21° at the Scaw, 23° at Dunkirk, 20° at Brussels, 24° at Munich and Lyons, 26° at Paris, 27° in London, and 32° at Parisotson and Madrid; the highest 58° at Malta, 55° at Palermo, and Rhinidiri, (all of which stations felt the S² wind on the eastern side of the southern depression). 42° at San Fernando and Lisbon and 37° at Valencia.

No important change was observed 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 Saturday 25th February 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 ..	30.33	5	E	1	b	30.33	+ .25	11	11	— 3	Z	0	b	*	37	3	—		
Hernösand ...	30.40	13	Z	0	b	30.50	+ .22	6	5	— 1	Z	0	c	*	37	6	—		
Stockholm ...	30.45	12	Z	0	f	30.50	+ .07	2	2	+ 1	Z	0	f	*	21	—2	—		
Wisby ...	30.43	15	E	1	b	30.42	+ .06	21	20	+ 2	E	1	b	*	27	14	—		
Bodö ...	30.22	37	SW	4	r	30.29	+ .16	36	24	+ 3	SW	4	bc	2	37	30	—		
Christiansund...	30.35	34	W	3	c	30.39	+ .09	31	30	— 5	ESE	1	b	3	39	28	—		
Skudesnaes ...	30.38	25	Z	0	b	30.39	+ .04	29	26	0	ENE	2	b	2	34	25	—		
Christiania Fjord (Færder)	30.39	24	NNE	2	b	30.43	+ .02	24	22	+ 3	ENE	3	b	1	25	18	—		
Skagen (The Scaw)	30.32	20	ENE	4	b	30.32	— .03	21	20	+ 4	ENE	3	b	0	21	18	—		
Fanö ...	30.09	24	NE	7	o	30.10	— .05	27	27	+ 9	E	4	s	*	27	18	0.04		
Sumburgh Head	30.32	36	Z	0	o	30.37	+ .03	35	34	+ 2	Z	0	bc	1	42	31	0.01		
Stornoway ...	30.30	35	SE	4	o	30.35	+ .05	34	34	+ 6	E	2	o	2	38	26	—		
Wick ...	30.33	34	W	1	o	30.36	+ .02	29	29	— 6	NW	1	bc	2	36	28	0.03		
Nairn ...	30.33	32	Z	0	o	30.36	+ .06	29	29	+ 1	Z	0	b	0	24	27	0.02		
Aberdeen...	30.30	35	E	2	o	30.34	+ .01	31	28	— 3	ENE	2	cm	2	37	29	0.02		
Leith ...	30.25	35	NE	2	s	30.28	— .00	33	33	— 1	NE	3	o	*	36	32	0.03		
Shields ...	30.21	33	NE	5	o	30.16	— .07	35	32	0	NE	5	o	5	35	31	0.03		
Spurn Head ...	30.07	30	ENE	6	bc	29.96	— .17	32	32	0	NNE	5	s	6	34	27	—		
York ...	30.15	29	NNE	3	o	30.08	— .11	32	32	+ 1	N	1	s	*	35	28	0.11		
Loughborough	30.08	27	NNE	3	c	30.04	— .08	30	29	0	NNE	3	s	*	32	25	0.08		
ARDROSSAN ISLANDS.																			
Ardrossan ...	30.27	34	NNE	1	ams	30.29	— .00	32	30	— 1	N	1	o	1	35	31	0.01		
Malin Head ...	30.28	35	NE	3	omv	30.30	+ .02	35	35	0	ENE	3	bc	2	35	34	—		
Mullaghmore ...	30.27	35	E	4	omv	30.30	+ .05	34	32	— 1	E	4	o	2	36	33	—		
Belinulet ...	30.27	34	E	2	o	30.30	+ .03	34	32	+ 1	SE	2	b	*	35	32	—		
Donaghadee ...	30.24	36	NE	5	c	30.26	— .00	36	33	+ 2	NE	6	c	4	37	33	—		
BRITISH ISLANDS.																			
Barrow-in-Furness	30.18	30	NNE	2	c	30.15	— .05	33	33	+ 2	N	4	c	*	38	30	—		
Liverpool (Bidston)	30.16	29	NE	3	c	30.13	— .06	32	31	+ 1	N	3	c	3	33	28	—		
Holyhead ...	30.16	31	ENE	4	cps	30.18	— .02	32	32	0	NNE	5	smg	5	35	30	0.01		
Parsonstown ...	30.22	33	NNE	1	o	30.26	+ .05	30	29	— 2	Z	0	o	*	36	30	—		
Valencia ...	30.20	37	NE	3	omv	30.25	+ .06	34	32	0	NE	2	bc	2	38	32	—		
Roche's Point...	30.15	35	NE	4	bc	30.19	+ .06	31	30	— 2	NNE	3	bc	3	35	29	—		
Pembroke ...	30.08	33	NE	4	s	30.11	— .00	31	28	— 1	NNE	3	bc	1	35	27	—		
Scilly ...	30.00	36	ENE	6	ow	30.04	+ .03	32	32	— 1	ENE	6	o	4	36	29	—		
Prawle Point ...	30.00	27	NE	6	bc	29.99	— .02	25	23	— 4	N	5	bc	4	34	21	0.01		
Jersey ...	29.92	30	NE	5	bc	29.88	— .05	30	29	— 2	NE	5	bc	4	33	21	0.40		
HURST CASTLE ISLANDS.																			
Hurst Castle ...	29.95	27	ENE	4	b	29.96	— .03	30	29	— 1	ENE	2	cg	2	32	26	—		
Dungeness ...	29.80	25	E	7	sq	29.89	— .03	28	28	+ 2	ESE	3	c	2	29	22	0.04		
London ...	29.95	25	NE	5	osq	29.94	— .06	29	28	0	ENE	2	os	*	30	22	0.04		
Oxford ...	30.01	24	NNE	3	s	29.99	— .07	28	27	— 1	NE	2	sp	*	30	18	0.17		
Cambridge ...	29.95	24	NE	4	s	29.95	— .10	31	31	+ 2	NE	3	s	*	32	18	0.10		
Yarmouth ...	29.95	27	E	8	c	29.91	— .10	31	30	+ 5	ENE	6	cgs	6	31	24	0.16		
Cuxhaven ...	30.02	27	NE	7	s	30.09	+ .04	20	20	— 3	ESE	3	c	*	27	19	—		
Berlin ...	29.91	20	ENE	4	c	30.05	+ .08	21	21	+ 8	ENE	3	o	*	21	18	0.08		
Wiesbaden ...	*	*	*	*	*	29.90	+ .12	20	19	— 3	Z	0	b	*	28	18	—		
Munich ...	29.69	16	E	3	c	29.78	+ .03	13	13	— 6	NE	4	o	*	28	9	—		
FRANCE & NETHERLANDS.																			
The Helder ...	29.97	27	ENE	4	s	29.93	— .09	23	22	— 2	E	3	o	3	27	23	0.16		
Brussels ...	*	*	*	*	*	29.92	+ .02	12	12	— 9	Z	0	b	*	24	10	0.04		
Cape Gris Nez...	29.78	20	E	9	s	29.79	— .12	16	16	— 8	ENE	4	b	5	27	16	—		
Paris ...	29.80	19	N	4	o	29.83	+ .01	16	15	— 5	NE	4	o	*	27	15	0.04		
Brest ...	29.90	30	NE	5	s	29.91	+ .02	23	21	— 9	NE	5	s	2	39	19	—		
Lorient ...	29.84	31	ENE	5	s	29.88	+ .01	21	21	— 9	NNE	4	s	2	36	19	—		
Rochefort ...	29.83	25	NE	7	bc	29.82	— .00	21	20	— 10	ESE	5	bc	2	36	16	—		
Belfort ...	29.66	22	E	1	c	29.78	+ .12	18	18	— 1	E	1	o	*	26	14	—		
Lyons ...	29.67	29	WNW	1	c	29.77	+ .07	25	25	— 4	NNE	1	o	*	36	24	0.03		
Nice ...	29.60	41	E	1	bc	29.71	+ .19	39	34	+ 7	ENE	3	c	2	48	?	—		
Perpignan ...	29.66	41	WSW	1	o	29.71	— .00	31	28	+ 6	NW	4	s	*	49	30	—		
Biarritz ...	29.71	40	N	4	o	29.75	+ .02	25	23	— 8	SSE	4	o	2	45	23	—		
PENINSULAR.																			
Corunna ...	*	*	*	*	*	29.92	+ .17	44	40	+ 5	NNE	9	o	7	48	36	—		
Lisbon ...	29.78	45	N	5	bc	29.89	+ .12	42	38	— 2	N	4	b	3	52	41	0.08		

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

WEATHER CHARTS

for 8 a.m. on Saturday, 25th February

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.

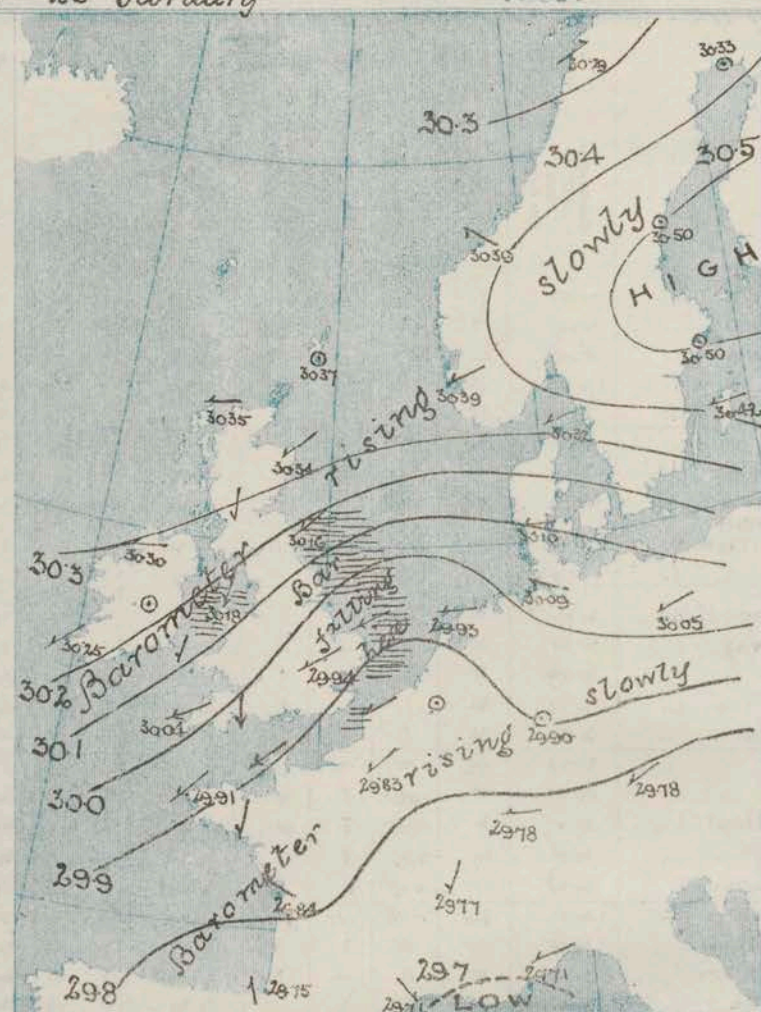
— Rough — High

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.718
Stornoway	29.700
Wick	29.737
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.905
Donaghadee	29.812
Holyhead	29.848
Liverpool	29.873
Parsonstown	29.884
Valencia	29.850
Roche's Point	29.850
Pembroke	29.875
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.938
Cambridge	29.936
Yarmouth	29.928



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.50 ins. at Helsingfors and Stockholm; 30.4 ins. and upwards over the greater part of Scandinavia. Lowest 29.71 ins. at Perpignan and Nice; 29.8 ins. and less over the northeast of Spain and the southern parts of Germany and France. Gradients rather steep over our northeast coasts but moderate to slight elsewhere. Barometer rising on all but our eastern coasts.
TEMPERATURE	Highest 42° at Lisbon, 39° at Nice, 36° at Rödö and Donaghadee, and 35° at Dunburgh Head, Shields and Malin Head. Lowest 2° at Stockholm, 5° at Helsingfors, 11° at Haparanda, 12° at Brussels, 13° at Munich, 16° at Paris, and 18° at Belfast. Hard frost occurred last night over England and the Continent; at Oxford and Cambridge the thermometer in the snow fell to 18°.
WIND	Calm in Sweden and also in the Shetlands; moderate S.W. at Rödö. Chiefly N.E. elsewhere; strong in force on many of the more exposed parts of our coasts. A fresh N.E. gale was experienced yesterday on the East coast of England.
WEATHER	Fine over the greater part of Ireland, Scotland, Scandinavia, the Netherlands and the extreme South of England. Cloudy elsewhere with snow over our eastern, northern and midland countries, as well as at some of the French stations. Snow fell yesterday at all but our western stations, - heavily in the Channel Islands.
SEA	Rough off the East and southeast of England and rather rough at Holyhead, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which is forming over the North Sea, will probably occasion a further increase of wind from the N.E. over our northeast and northwest coasts, with a continuance of snow in many parts of England.

No further change is indicated at present.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	Variable breezes finally N.E.; fine to unsettled, and some snow showers.
1	SCOTLAND EAST	N.E. winds, freshening; unsettled, some snow showers.
2	ENGLAND N.E.	Same as N° 5.
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	N.E. and N.W. winds, fresh; unsettled, some snow.
5	ENGLAND SOUTH	N.E. and N.W. winds, strong, a gale on coast; squally, some snow showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as N° 1.
7	ENGLAND N.W.	N.E. and N.W. winds, increasing in force; squally, some snow showers.
8	ENGLAND S.W.	.....D°.....D°.....D°.....
9	IRELAND NORTH	.....D°.....D°.....D°.....
10	IRELAND SOUTH	N.E. winds, moderate or fresh; fair generally, but some snow showers.
WARNINGS		The NORTH CONE is still flying in districts 2, 3 and part of 5.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.38	34	28	SSW 2	0	3	Holyhead ...	30.17	34	33	NNE 4	bc	4
Sumburgh Head ...	30.33	38	35	Z 0	0	1	Valencia ...	30.19	37	33	ENE 3	om	3
Stornoway ...	30.29	38	36	SE 3	bc	2	Scilly ...	30.01	35	35	ENE 5	o	5
Aberdeen ...	30.29	36	34	N 2	om sp	2	Dungeness ...	29.87	28	26	E 6	csqp	5
Shields ...	30.18	35	33	NE 4	cp	5	London ...	29.98	26	?	NNE 5	csqp	*
Ardrossan ...	30.27	35	34	NE 2	o	1	Yarmouth ...	29.96	29	28	NE 8	sqh	6
Malin Head ...	30.28	35	35	ENE 3	o	2	Jersey ...	29.89	31	30	NE 4	s	3
Mullaghmore ...	30.27	35	33	E 4	o	3	Rocheport ...	29.83	33	32	NE 7	m	2
Belmullet ...	30.27	35	32	E 3	og	*							

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

The reports for yesterday morning showed that pressure then varied from between 30.1 ins. and 30.4 ins. in a broad band of high pressure which stretched from the Atlantic (off our northwest coast) across Scandinavia and the Baltic to Central Russia. To the northward of this band readings decreased in value to about 29.3 ins. on the shores of the White Sea, while to the southward they decreased to 29.7 ins. over the north of Spain and to 29.5 ins. in depressions which lay, one over the Gulf of Genoa, and the other over Bosnia and the south of Austria. The prevailing wind current over Europe was still NE^{ly}, while that over the Mediterranean had become NW^{ly} to W^{ly}. In Lapland and Finland also a W^{ly} current was experienced. Temperature was inclined to rise in the extreme north, but was still very low generally—frost being prevalent at all but a few of the western coast stations. The lowest individual 8 am values were -9° at Helsingfors, -3° at Kiev, -1° at Hango and Stockholm, +1° at Moscow, 2° at Riga and Memel, 3° at Arkhangel, 7° at Haparanda, and Hurnsund, 12° at Archangel, 13° at Berlin, 17° at Ulexborg and the Leau, 19° at Munich and Belfort, 21° at Brussels and Paris, 23° at Nuremberg, 28° at Madrid and Stornoway, 29° in London, and 32° at Paris-Montsour. The highest were 52° at Brindisi, 51° at Malta, 49° at Oran (Algeria), 47° at Palermo, 45° at San Fernando and Breslau, and 44° at Langunau and Lisbon. In the extreme west of Ireland the temperature was only 34° to 35° and at Rome was as low as 36°.

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 26th February 1888.
Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Weather.	Max.		Min.	
SCANDINAVIA.	Haparanda ..	30.42	S	2	b	30.47	+ .14	5	5	- 6	S	2	b	*	21	21	-	
	Hernösand ...	30.42	Z	0	bc	30.67	+ .17	2	1	- 4	Z	0	b	*	28	?	-	
	Stockholm ...	30.62	NE	2	b	30.70	+ .20	10	10	+ 8	Z	0	b	*	25	- 2	-	
	Wisby ...	30.60	E	2	b	30.63	+ .21	18	17	- 3	E	2	b	*	30	14	-	
	Bodö ...	30.40	SW	6	o	30.49	+ .20	37	35	+ 1	SW	6	r	3	?	36	0.04	
	Christiansund...	30.49	ESE	2	c	30.56	+ .17	28	27	- 3	ENE	1	b	2	37	27	-	
	Skudesnaes ...	30.46	ENE	2	b	30.53	+ .14	30	27	+ 1	ENE	2	bc	2	?	28	-	
	Christiania Fjord (Fierder)	30.56	NE	4	b	30.64	+ .21	24	21	- 3	NE	5	b	2	28	18	-	
	Skagen (The Scaw)	30.44	ENE	4	b	30.54	+ .22	23	22	+ 2	E	3	o	0	27	21	-	
	Fanö ...	30.27	E	4	o	30.34	+ .24	30	29	+ 3	ENE	5	c	*	30	27	-	
BRITISH ISLANDS.	Sumburgh Head	30.43	Z	0	bc	30.50	+ .13	36	35	+ 1	Z	0	b	1	41	32	-	
	Stornoway ...	30.28	SE	3	bc	30.40	+ .05	36	35	+ 2	NE	3	o	3	41	30	-	
	Wick ...	30.41	E	3	bc	30.45	+ .09	38	37	+ 9	SE	5	o	5	42	28	-	
	Nairn ...	30.35	E	1	c	30.38	+ .02	34	32	+ 5	Z	0	c	1	37	25	-	
	Aberdeen...	30.34	E	4	o	30.43	+ .09	37	35	+ 6	E	4	rg	4	39	30	0.03	
	Leith ...	30.25	NE	4	c	30.36	+ .07	34	34	+ 1	E	1	orp	*	37	30	0.13	
	Shields ...	30.16	E	5	sp	30.33	+ .17	35	34	0	E	1	o	6	36	31	0.14	
	Spurn Head ...	30.08	E	4	c	30.24	+ .28	34	33	+ 2	ENE	5	cg	5	34	29	0.12	
	York ...	30.11	E	1	op	30.29	+ .21	32	31	0	NE	1	o	*	36	29	0.10	
	Loughborough	30.06	ENE	1	o	30.21	+ .17	29	28	- 1	NE	3	c	*	34	17	0.04	
GERMANY.	Ardrossan ...	30.26	NE	2	o	30.34	+ .05	34	34	+ 2	NE	2	om	1	36	31	-	
	Malin Head ...	30.29	ENE	3	b	30.32	+ .02	34	32	- 1	SSE	3	om	2	37	31	0.02	
	Mullaghmore ...	30.27	ENE	5	c	30.18	- .02	35	33	+ 1	ESE	5	o	3	38	33	-	
	Belinullet ...	30.29	NE	4	o	30.28	- .02	35	33	+ 1	ESE	3	bc	*	40	33	-	
	Donaghadee ...	30.24	NE	7	c	30.31	+ .05	34	33	- 2	E	4	o	3	37	33	0.01	
	Barrow-in-Farress	30.11	NE	3	c	30.28	+ .13	34	34	+ 1	NE	2	b	*	36	30	-	
	Liverpool (Bidston)	30.10	NE	3	o	30.27	+ .14	28	26	- 4	ENE	1	b	2	34	27	0.03	
	Holyhead ...	30.10	NNE	6	omg	30.26	+ .08	31	31	- 1	E	3	cm	3	37	28	0.03	
	Parsonstown ...	30.21	NNW	2	o	30.25	- .01	32	31	+ 2	Z	0	o	*	37	29	-	
	Valencia ...	30.21	NE	4	c	30.18	- .07	35	34	+ 1	NE	3	o	3	38	32	-	
FRANCE & NETHERLANDS.	Roche's Point...	30.14	NE	5	c	30.14	- .05	36	34	+ 5	E	4	c	4	39	31	-	
	Pembroke ...	30.03	NNE	3	s	30.17	+ .06	27	25	- 4	NE	3	b	1	35	27	-	
	Seilly ...	29.97	NE	5	o	30.05	+ .01	36	33	+ 4	NE	5	c	4	38	32	0.12	
	Prawle Point ...	30.04	N	3	o	30.02	+ .03	27	25	+ 2	N	6	bc	5	34	23	0.01	
	Jersey ...	29.94	ENE	4	b	29.93	+ .05	36	35	+ 6	NE	5	om	4	36	29	-	
	Hurst Castle ...	29.99	ENE	2	cg	30.03	+ .07	31	30	+ 1	ENE	5	bc	3	35	27	-	
	Dungeness ...	29.95	E	4	c	29.93	+ .04	34	34	+ 6	ENE	6	c	5	34	27	-	
	London ...	30.01	ENE	2	b	30.08	+ .14	29	27	0	NE	5	bcg	*	35	26	-	
	Oxford ...	30.08	NE	3	o	30.15	+ .16	28	27	0	NE	5	c	*	35	21	0.01	
	Cambridge ...	30.04	NE	1	b	30.17	+ .22	30	29	- 1	NE	2	o	*	37	22	-	
PENIN SULA.	Yarmouth ...	30.06	E	6	bc	30.14	+ .23	31	30	0	ENE	7	cg	6	31	27	0.03	
	Cuxhaven ...	30.21	ESE	3	c	30.31	+ .22	29	28	+ 9	E	4	o	*	29	26	-	
	Berlin ...	30.21	ENE	1	b	30.25	+ .20	29	28	+ 8	ESE	3	o	*	?	25	-	
	Wiesbaden ...	*	*	*	*	29.95	+ .05	32	30	+ 2	NE	2	o	*	37	28	-	
	Munich ...	29.87	E	4	o	29.88	+ .10	29	29	+ 16	E	4	o	*	30	21	-	
	The Helder ...	30.13	ENE	4	b	30.17	+ .24	27	26	+ 4	NE	5	c	3	27	23	-	
	Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Cape Gris Nez...	29.95	ENE	5	b	29.92	+ .13	28	28	+ 12	E	8	b	6	30	16	-	
	Paris ...	29.90	Z	0	b	29.86	+ .03	21	20	+ 5	NE	4	b	*	30	21	-	
	Brest ...	29.93	Z	0	s	29.97	+ .06	34	33	+ 11	NNE	4	o	2	39	32	-	

For Explanation of Columns, see p. 4.

WEATHER

for 8 a.m. on

CHARTS

Sunday, 26th February

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.

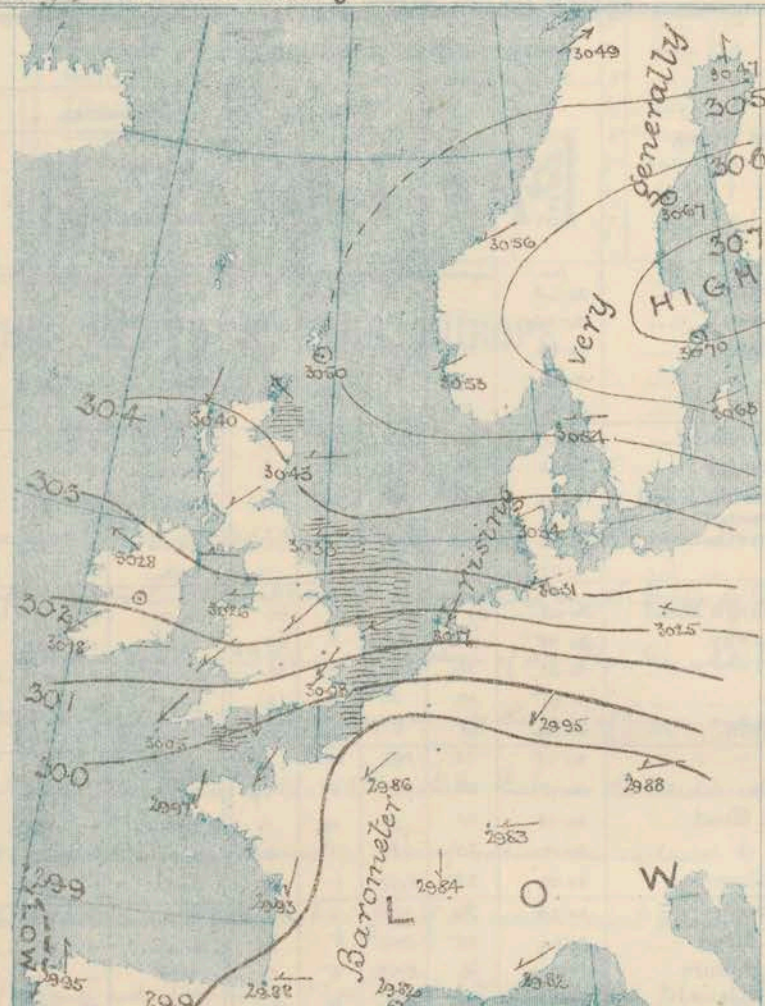
■ — Rough ■ — High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871–1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.713
Stornoway	29.700
Wick	29.737
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.805
Donaghadee	29.812
Holyhead	29.848
Liverpool	29.873
Parsonstown	29.884
Valencia	29.850
Roche's Point	29.850
Pembroke	29.875
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.988
Cambridge	29.995
Yarmouth	29.928



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

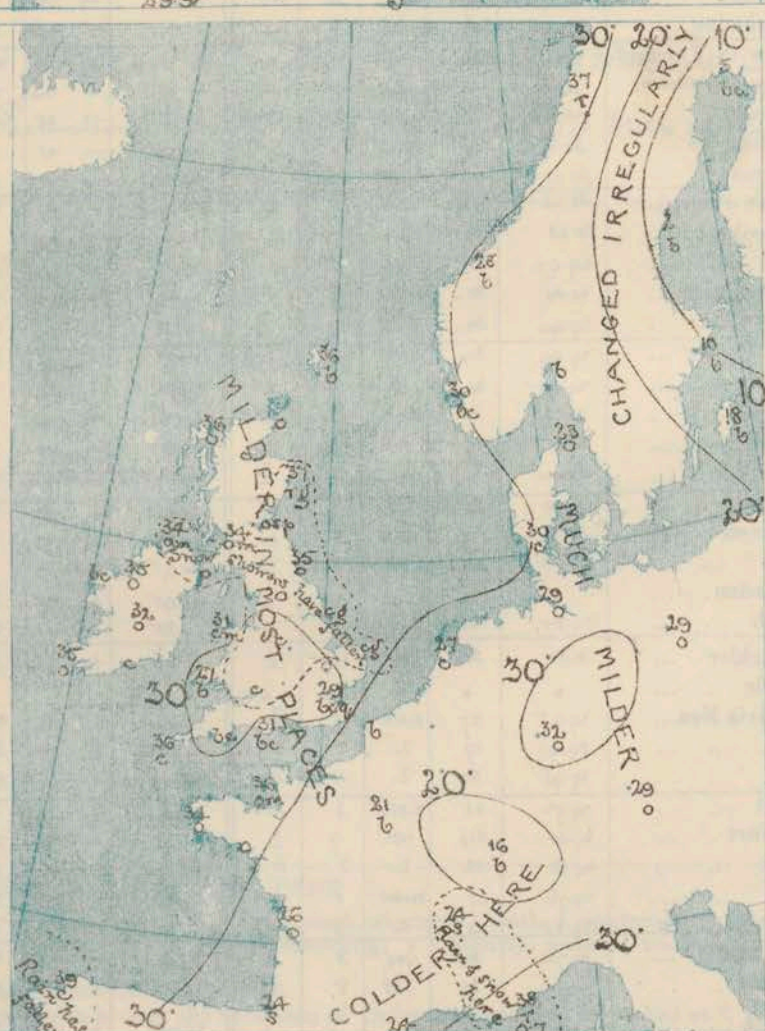
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of February.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	42.6	34.7	38.7	37.7	3.29
Stornoway	43.5	34.7	39.3	38.2	3.97
Wick	43.4	33.5	38.4	37.0	2.02
Nairn	43.4	33.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	46.6	34.7	39.2	37.7	1.58
Shields	44.3	35.7	39.2	37.9	1.63
York	45.3	34.2	38.2	37.1	1.88
Loughborough	46.0	34.5	38.4	37.3	2.00
Ardrossan	45.0	36.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.90
Liverpool	45.3	36.9	39.9	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	5.29
Roche's Point	48.9	40.0	43.6	42.2	4.86
Pembroke	46.2	40.3	43.1	41.9	3.20
Scilly	49.7	43.7	46.9	45.3	2.98
Jersey	47.6	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.63
Dover	45.4	37.4	40.3	39.1	2.12
LONDON	46.9	36.0	39.7	38.6	1.89
Oxford	45.9	35.9	38.8	37.7	2.06
Cambridge	46.4	33.9	38.3	37.3	1.60
Yarmouth	43.5	35.2	38.9	38.2	2.02

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, 30.7 in: at Stockholm; 30.6 in: and upwards over all the more central parts of Scandinavia.
Lowest, 29.9 in: and less over Central and Southern France, South Germany, and the north-east of Spain.
Gradients moderate over North Germany, the Netherlands, the southern parts of our islands, but slight elsewhere.
Barometer rising in all districts excepting the west of Ireland.

TEMPERATURE

Highest, 41° at Lisbon, 39° at Genua, 38° at Mirk and Nies, and 37° at Bodø and Aberdeen.
Lowest, 2° at Hovisand, 5° at Hafslunda, 10° at Stockholm, 16° at Belfast, 18° at Nisby, and 21° at Lander and Paris.
The maxima registered yesterday were below 40° at all but our extreme northern stations.

WIND

Light or moderate from the SE^W in the north of Ireland and also at Mirk, strong from SW. at Bodø.
E. or NE elsewhere; fresh or strong in force in the south and east of our islands, with a moderate gale at Yarmouth.

WEATHER

Fine in Scandinavia and also in the south of our islands and some parts of France.
Cloudy or overcast elsewhere, with rain or sleet showers in the east of Scotland, and snow at Lyons and vicinity.

SEA

Rough off the east and southeast of England, and rather rough at Mirk and Hovisand, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general distribution of pressure remains unaltered, but the shallow depression noticed yesterday off the east of England has disappeared, and the barometer has risen generally. Gradients were inclined to become less steep in the east and southeast.

FORECASTS

for the 24 hours ending at NOON on 27th Febr^y 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

The N. cone was hoisted last evening in districts 3, 5, and 7 to 10.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes ...	30.44	38	32	ENE	3	b	2	Holyhead ...	30.13	35	33	NNE	6	cm spg 5
Sumburgh Head ...	30.41	39	38	2	0	c	1	Valencia ...	30.22	38	33	NNE	3	cm 3
Stornoway ...	30.36	41	40	SE	3	c	3	Scilly ...	30.02	33	33	NE	6	s 5
Aberdeen ...	30.33	39	35	NE	4	bc	4	Dungeness ...	29.92	32	32	ESE	3	b 2
Shields ...	30.13	34	34	NE	5	s	6	London ...	29.95	35	34	ENE	3	og *
Ardrossan ...	30.27	36	33	NE	4	o	2	Yarmouth ...	29.98	30	29	ENE	5	c 5
Malin Head ...	30.29	37	37	ENE	3	bc	2	Jersey ...	29.91	34	32	ENE	3	bc 3
Mullaghmore ...	30.29	38	34	E	5	c	4	Rochefort ...	29.89	29	28	E	5	bc 2
Belmullet ...	30.29	40	35	E	2	b	*							

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

The reports for yesterday morning showed that pressure then varied from 30.5 in: and more over Central Russia and Finland, and from 30.3 in: and more both in the west of Norway, and the extreme north of our Islands to about 29.6 in: in a depression lying over the western half of the Mediterranean and to rather below 30.3 in: over the western part of England. NE^{ly} to N^{ly} winds were consequently prevalent over the Baltic, NW^{ly} and W^{ly} Europe, with very cold weather and snow showers at times, the snow was heaviest in the southwest of France, while in Italy rain was falling. Temperature was still very low generally; over the east and south of England and the greater part of France it had fallen decidedly, and was below the freezing point at all but the extreme western and southern coast stations. The lowest individual values were -2° at Kharkov, -1° at Moscow, +2° at Stockholm, 4° at Hango, 6° at Nicolaieff, 9° at Archangel, Munster, Carad and Buda-peeth, 11° at Haparanda, 12° at Helsinki, 13° at Munich, 15° at Berne and Odessa, 16° at Paris, 18° at Belfast, 21° at Berlin, 25° at Pavois Point, 29 in London, 30° at Loughborough and Raronsstown, and 31° at Madrid. The highest were 52° at La Calle (Algeria), Cagliari and Bunderis, 47° at Rome, 43° at Barcelona and Corunna, 46° at Porto, 42° at Lisbon.

Later in the day temperature recovered a little (temporarily) over England, and the wind lulled, but frost again set in towards night.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Monday, 27th February 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 ..	30.50	5	Z	0	b	30.49	+0.2	2	?	?	8	2	b	*	?	-2	-														
Hernösand ...	30.75	8	Z	0	b	30.73	+0.06	-5	-5	-7	Z	0	b	*	80	?	-														
Stockholm ...	30.76	15	NNE	2	b	30.80	+1.0	10	10	0	Z	0	f	*	25	7	-														
Wisby ...	30.71	21	SSE	2	b	30.76	+1.3	19	19	+1	SSE	2	b	*	32	14	-														
Bodö ...	30.53	37	SW	4	b	30.48	-0.1	35	33	-2	SW	4	0	2	39	34	-														
Christiansund...	30.58	29	S	1	b	30.57	+0.1	27	25	-1	ESE	1	b	3	34	23	-														
Skudesnaes ...	30.56	33	Z	0	o	30.60	+0.07	29	28	-1	Z	0	bc	2	?	?	-														
Christiania Fjord (Færd)	30.61	25	NE	5	b	30.73	+0.09	18	18	-3	NE	3	0	1	27	14	-														
Skagen (The Scaw)	30.60	25	E	2	b	30.66	+1.2	21	20	-2	E	2	b	0	27	21	-														
Fanö ...	30.89	30	ENE	6	c	30.44	+1.0	27	25	-3	ENE	6	b	*	32	27	-														
BRITISH ISLANDS.																															
Sumburgh Head	30.51	37	SE	1	b	30.49	-0.1	37	36	+1	SE	1	0	3	42	34	-														
Stornoway ...	30.40	37	SE	3	bc	30.42	+0.02	36	36	0	Z	0	0	2	42	34	-														
Wick ...	30.31	39	SE	5	o	30.49	+0.04	39	38	+1	SW	1	0	3	42	35	0.03														
Nairn ...	30.41	36	E	2	o	30.45	+0.07	33	32	-1	Z	0	bc	1	38	29	-														
Aberdeen...	30.43	37	SE	4	o	30.49	+0.06	36	35	-1	ESE	2	ow	4	38	34	0.09														
Leith ...	30.38	36	E	1	o	30.43	+0.08	37	35	+3	E	2	0	*	38	33	0.04														
Shields ...	30.31	36	E	3	oprs	30.37	+0.04	37	35	+2	NE	3	0	5	37	32	0.02														
Spurn Head ...	30.22	35	NNE	5	c	30.25	+0.1	36	35	+2	NE	5	0	5	36	32	-														
York ...	30.28	34	N	1	o	30.32	+0.03	35	34	+3	NE	2	0	*	36	31	-														
Loughborough	30.21	33	NNE	3	o	30.25	+0.04	33	33	+4	NE	2	og	*	34	29	0.06														
GERMANY.																															
Ardrossan ...	30.34	37	NE	2	o m	30.44	+1.0	37	36	+3	NE	2	ow	1	38	34	-														
Malin Head ...	30.32	38	ESE	3	o m	30.44	+1.2	38	35	+4	NE	2	ow	1	38	34	-														
Mullaghmore ...	30.32	36	E	4	o	30.43	+1.5	37	34	+2	E	5	0	3	38	34	-														
Belmullet ...	30.32	35	SE	3	og	30.45	+1.7	35	33	0	ESE	3	0	*	37	32	-														
Donaghadee ...	30.32	38	ENE	3	c	30.42	+1.1	38	38	+4	NE	5	c	3	38	34	0.01														
FRANCE & NETHERLANDS.																															
Barrow-in-Furness	30.27	35	NE	2	o	30.33	+0.05	36	36	+2	NE	1	0	*	39	34	-														
Liverpool (Bidston)	30.26	34	ENE	3	o	30.33	+0.06	33	32	+5	NE	2	0	2	35	28	-														
Holyhead ...	30.24	35	E/NE	4	bm	30.33	+0.07	36	35	+5	NE	4	ow	4	37	31	0.01														
Parsonstown ...	30.34	34	E	1	o	30.40	+1.5	30	30	-2	Z	0	0	*	35	24	-														
Valencia ...	30.23	37	NE	3	bm	30.38	+2.0	34	32	-1	NNE	2	bm	2	43	25	-														
PENIN. SULA.																															
Roche's Point...	30.22	36	ENE	4	b	30.34	+2.0	34	32	-2	NNE	3	c	3	39	28	-														
Pembroke ...	30.17	33	NNE	3	b	30.27	+1.0	36	34	+9	NE	2	og	1	38	27	-														
Seilly ...	30.06	40	NE	6	c	30.18	+1.3	37	35	+1	NE	5	0	4	40	34	-														
Prawle Point ...	30.06	34	E/NE	6	o	30.20	+1.8	32	30	+5	E/NE	4	og	3	40	26	-														
Jersey ...	29.96	37	NE	6	ogm	30.16	+2.3	35	33	-1	ENE	3	ow	3	40	33	-														
GERMANY.																															
Hurst Castle ...	30.06	34	ENE	6	ow	30.18	+1.5	34	33	+3	ENE	3	og	2	37	30	-														
Dungeness ...	29.98	33	ENE	6	o	30.11	+1.8	34	34	0	NE	4	0	3	36	32	-														
London ...	30.09	33	NE	6	og	30.16	+0.8	33	31	+4	NE	3	og	*	35	29	-														
Oxford ...	30.16	32	NE	4	o	30.22	+0.7	31	30	+3	NE	3	0	*	32	28	-														
Cambridge ...	30.17	34	NE	2	o	30.21	+0.4	33	33	+3	NE	1	0	*	34	28	-														
FRANCE & NETHERLANDS.																															
Yarmouth ...	30.12	33	ENE	7	og	30.16	+0.2	33	32	+2	ENE	5	c	5	33	30	-														
Cuxhaven ...	30.31	28	E	5	b	30.33	+0.2	25	24	-4	E	4	b	*	28	23	-														
Berlin ...	30.26	26	ESE	5	b	30.39	+1.4	17	16	-12	ESE	5	b	*	34	16	-														
Wiesbaden ...	*	*	*	*	*	30.06	+1.1	30	29	-2	Z	0	b	*	43	23	-														
Munich ...	29.89	35	NE	4	bc	29.95	+0.7	27	26	-2	NE	3	e	*	43	25	-														
FRANCE & NETHERLANDS.																															
The Helder ...	30.12	31	ENE	5	o	30.15	-0.2	26	25	-1	ENE	5	b	3	30	?	-														
Brussels ...	*	*	*	*	*	30.09	?	22	22	*	ENE	1	s	*	32	20	-														
Cape Gris Nez...	?	31	ENE	8	o	?	?	33	32	+5	E	5	0	4	34	28	-														
Paris ...	29.96	30	N	1	bc	30.10	+2.4	24	23	+3	E	1	m	*	37	?	-														
Brest ...	29.91	36	NE	4	o	30.13	+1.6	33	32	-1	ESE	5	0	3	37	30	-														
Lorient ...	29.91	31	ESE	1	o	30.13	+2.3	29	?	-3	ENE	4	0	2	36	27	-														
Rochefort ...	29.98	32	SSE	1	o	30.10	+1.7	27	26	+1	ESE	5	b	1	39	19	-														
Belfort ...	29.89	24	E	1	b	29.99	+1.6	30	30	+14	WSW	1	0	*	32	18	-														
Lyons ...	29.99	27	NW	1	o	30.07	+2.3	27	27	+3	NW	1	s	*	34	?	0.35														
Nice...	29.91	39	E	1	o	29.85	+0.3	41	39	+3	E	1	0	0	43	37	0.20														
Perpignan ...	29.96	34	N	3	b	29.99	+1.7	30	30	+6	NW	4	s	*	48	?	-														
Biarritz ...	29.96	32	Z	0	bc	29.97	+0.9	25	24	+1	SE	5	b	1	39	21	0.08														
PENIN. SULA.																															
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-													
Lisbon ...	30.07	45	NW	4	b	30.15	+1.3	42	40	+1	Z	0	c	5	50	41	0.08														

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Monday, 27th February, 1888.

BAROMETER, WIND & SEA.

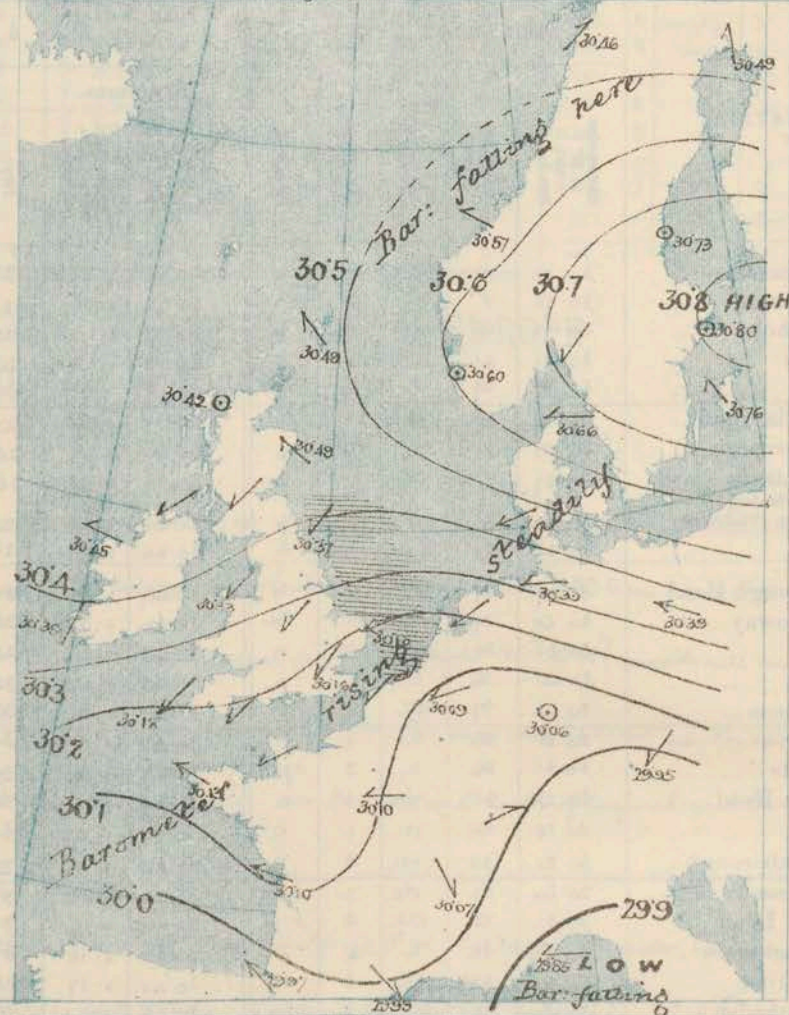
(Explanation of Map)

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 February.
 During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.713
Stornoway	29.700
Wick	29.737
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.805
Donaghadee	29.812
Holyhead	29.848
Liverpool	29.873
Parsonstown	29.884
Valencia	29.850
Roche's Point	29.850
Pembroke	29.875
Seilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.938
Cambridge	29.935
Yarmouth	29.928



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

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

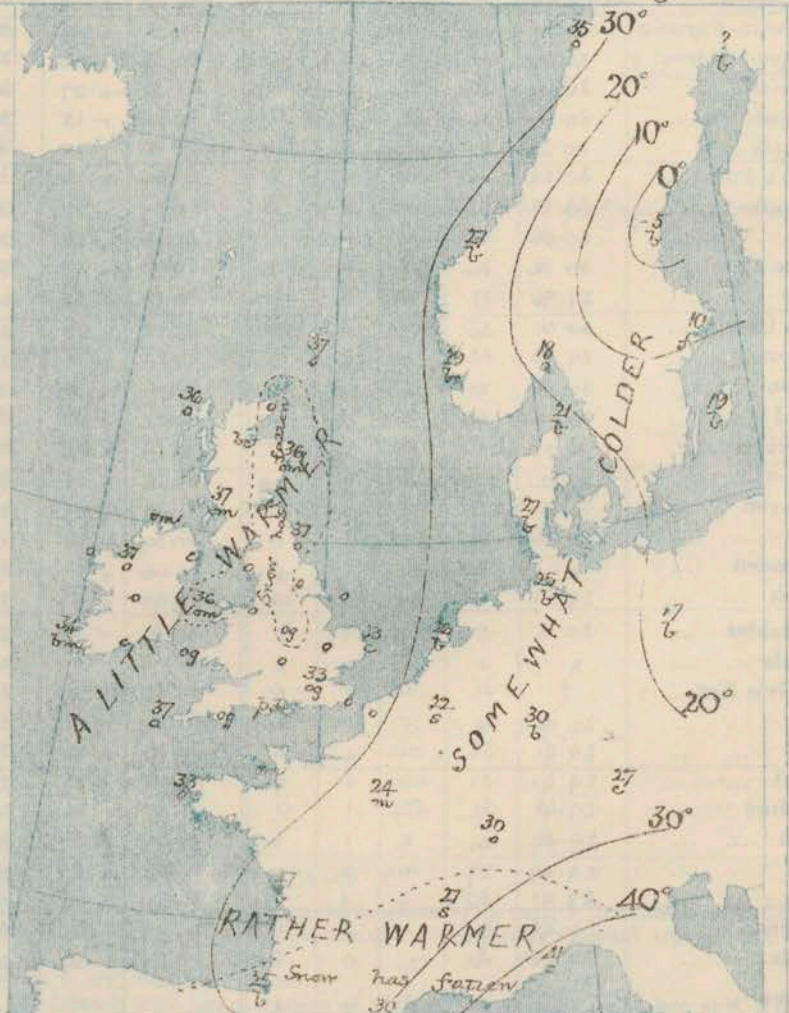
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of February.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	42.6	34.7	38.7	37.7	3.29
Stornoway	43.5	34.7	39.3	38.2	3.97
Wick	43.4	33.5	38.4	37.0	2.02
Nairn	43.4	33.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	46.6	34.7	39.2	37.7	1.58
Shields	44.3	35.7	39.2	37.9	1.63
York	45.8	34.2	38.2	37.1	1.88
Loughborough	46.0	34.5	38.4	37.8	2.00
Ardrossan	45.0	36.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.90
Liverpool	45.3	36.9	39.9	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	5.29
Roche's Point	48.9	40.0	43.6	42.2	4.86
Pembroke	46.2	40.3	43.1	41.9	3.20
Seilly	49.7	43.7	45.9	45.3	2.98
Jersey	47.6	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.63
Dover	45.4	37.4	40.3	39.1	2.12
LONDON	46.9	36.0	39.7	38.6	1.89
Oxford	45.9	35.9	38.8	37.7	2.06
Cambridge	46.4	33.9	38.3	37.3	1.60
Yarmouth	43.5	35.2	38.9	38.2	2.02

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, 30.8 ins. at Stockholm, 30.7 ins. and upwards over all the more southern parts of Sweden.
Lowest, 29.2 ins. and less, over the southeast of France, 30.0 ins. and less, over the north of Spain, and the southern part of Germany and France.
Gradients moderate over Denmark and North Germany, but slight elsewhere. Barometer rising at all but the northern Scandinavian stations.

TEMPERATURE

Highest, 41° at Ales, 39° at Wick, 38° at Malin Head and Donaghadee, and 37° at Lish. Fields, Malbegmore, and Scilly.
Lowest, -5° at Hemsand, +10° at Stockholm, 17° at Berlin, 18° at London, 19° at Nisby, 21° at Skagen, and 22° at Brussels.
A slight rise is reported over our Islands, but in Germany the thermometer is falling again.

WIND

Light from S. or SE. in the north of Scotland; moderate from SW. at Rodø.
E. or NE. elsewhere, fresh or strong in force on many of the more exposed parts of our coasts.
A moderate to fresh gale from NE. was experienced yesterday in the south and southeast of England.

WEATHER

Dull over the greater part of our Islands, and also in Belgium and the north and southeast of France, with snow at Brussels and Lyons.
Fine in Scandinavia, Denmark, Germany, and the southwest of France.
Snow showers fell yesterday over the northern parts of the United Kingdom.

SEA

Rather rough off the East of England, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is at present no indication of any important change in the general distribution of pressure, and as the thermometer is again falling at the German stations, the present slight increase of temperature over England is likely to prove merely temporary.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SE ^{ly} and S ^{ly} winds, light; fair generally.
1	SCOTLAND EAST	E ^{ly} winds, light; fair generally.
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} winds, moderate or fresh; fair generally, but possibly some snow showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NE ^{ly} winds, light or moderate; dull, misty.
7	ENGLAND N.W.	..... D° D° D°
8	ENGLAND S.W.	Same as No 5.
9	IRELAND NORTH	NE ^{ly} winds, light or moderate; fair generally.
10	IRELAND SOUTH	..... D° D° D°

WARNINGS

The north cone has been lowered this morning in districts 3, 5, and 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.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.35	42	33	ESE 2	60	2	Holyhead ...	30.25	37	34	NW 4	60	4
Sumburgh Head ...							Valencia ...						
Stornoway ...	30.40	42	42	SE 3	0	3	Sailly ...						
Aberdeen ...							Dungeness ...	29.95	34	34	ESE 6	0	5
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...	30.32	38	35	ESE 3	0	2	Jersey ...	29.92	40	35	NW 6	0	5
Mullaghmore ...							Rochefort ...	29.96	36	32	SE 1	0	2
Belmullet ...	30.31	36	33	SE 3	0	*							

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

Continental information not yet arrived.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 19TH TO THE 25TH FEBRUARY 1888.

The weather of the past week has been exceedingly cold and unsettled, with frequent falls of snow over England and the Continent. Throughout the entire period Barometrical pressure has been highest in an anticyclone lying over Scandinavia, and lowest over Germany, France and Spain, and the prevailing winds have therefore been E or NE. The depressions which have appeared over the Continent have been as a rule comparatively shallow, the most important being:—

1. A well defined disturbance which formed over the North of France on the night of the 18th, and which apparently dispersed on the following day. This system occasioned snow showers in many parts of the United Kingdom, with moderate or fresh gales from the NE. on our eastern and western coasts.

2. A somewhat shallower depression which appeared over South Germany on the 20th, occasioning a strong NE. gale in the southeast of England with snow showers in many places.

The latter system dispersed on the night of the 21st, and during the remainder of the week no definite depression was observed within our area. Several minor oscillations in pressure were however reported over France and Germany, and as these occasionally moved westward the wind on our East and South coasts frequently blew strongly, with snow squalls over England.

Temperature has been remarkably low for the time of year, especially over England and the Continent. During the latter part of the week the maximum readings were below 10° at all but our extreme western and northern stations, and on the 24th the thermometer over the southeast of England remained below freezing point all day. On the ensuing night shade minima as low as 18° were reported at Oxford and Cambridge, while on the night of the 25th a reading of 17° was registered at Loughborough.

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, 28th February 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° 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 ..	30.41	4	S	2	b	30.19	- .30	12	12	?	S	4	b	*	14	3	-	
	Hernösand ...	30.66	8	2	0	b	30.58	- .15	2	2	+ 7	2	0	b	*	28	-6	-	
	Stockholm ...	30.79	19	2	0	b	30.70	- .10	10	9	0	2	0	b	*	28	5	-	
	Wisby ...	30.81	19	SSE	2	b	30.73	- .08	21	20	+ 2	ESE	2	b	*	32	14	-	
	Bodö ...	30.35	36	SW	4	0	30.05	- .42	33	32	- 2	W	6	m	3	36	33	-	
	Christiansund...	30.55	30	SE	1	b	30.45	- .12	37	32	+ 10	SW	6	c	5	37	27	-	
	Skudesnaes ...	30.67	32	SSW	2	bc	30.65	+ .05	25	23	- 4	2	0	bc	2	41	?	-	
	Christiania Fjord (Fjorder)	30.75	19	NE	2	b	30.69	- .04	15	15	- 3	NNE	2	f	0	19	12	-	
	Skagen (The Scaw)	30.69	23	ESE	1	b	30.66	.00	21	20	0	ESE	2	c	0	25	19	-	
	Fanö ...	30.54	25	E	6	c	30.55	+ .11	23	21	- 4	E	6	c	*	30	23	-	
BRITISH ISLANDS.	Sumburgh Head	30.50	38	SSW	1	0	30.50	+ .01	40	39	+ 3	WSW	1	0	3	40	34	0.12	
	Stornoway ...	30.50	39	SW	2	c	30.54	+ .12	36	36	0	2	0	c	2	46	31	-	
	Wick ...	30.55	38	W	1	b	30.58	+ .09	29	28	- 10	WNW	1	b	1	44	27	-	
	Nairn ...	30.52	32	2	0	b	30.58	+ .13	28	21	- 10	2	0	b	1	42	21	-	
	Aberdeen...	30.56	37	WNW	1	0	30.59	+ .10	34	32	- 2	NW	1	om	2	40	33	-	
	Leith ...	30.52	36	NE	1	0	30.58	+ .15	36	34	- 1	NE	1	om	*	39	35	-	
	Shields ...	30.46	38	NE	1	0	30.54	+ .17	37	34	0	NE	2	0	4	38	35	-	
	Spurn Head ...	30.44	37	NE	5	c	30.45	+ .20	34	33	- 2	NNE	5	c	5	38	33	-	
	York ...	30.42	36	N	1	0	30.52	+ .20	34	33	- 1	N	1	c	*	38	33	-	
	Loughborough	30.32	36	NNE	3	0	30.47	+ .22	34	32	+ 1	NE	3	0	*	36	33	-	
GERMANY.	Ardrossan ...	30.51	38	NE	2	om	30.57	+ .13	36	34	- 1	NE	1	om	1	40	34	-	
	Malin Head ...	30.52	39	NNE	2	0	30.60	+ .16	38	36	0	SSW	2	om	0	39	37	-	
	Mullaghmore ...	30.52	40	NE	4	om	30.60	+ .17	33	32	- 4	2	0	b	2	40	32	-	
	Belmullet ...	30.57	38	NE	2	c	30.65	+ .20	39	39	+ 4	SE	2	b	*	41	35	-	
	Donaghadee ...	30.48	40	NE	3	c	30.56	+ .14	38	37	0	NE	5	0	3	40	37	-	
	Barrow-in-Furness	30.43	36	NE	1	b	30.55	+ .22	34	34	- 2	NE	3	b	*	41	33	-	
	Liverpool (Bidston)	30.39	35	NE	2	bc	30.52	+ .19	32	31	- 1	NNE	1	b	2	37	31	-	
	Holyhead ...	30.39	39	NE	5	om	30.51	+ .18	36	36	0	NE	3	c	2	39	34	-	
	Parsonstown ...	30.48	37	NNE	1	0	30.58	+ .18	34	32	+ 4	2	0	b	*	39	24	-	
	Valencia ...	30.49	38	NNE	4	bm	30.57	+ .19	38	35	+ 4	NNE	4	c	4	42	33	-	
FRANCE & NETHERLANDS.	Roche's Point...	30.42	39	NE	4	c	30.50	+ .16	35	33	+ 1	NNE	3	b	3	41	33	-	
	Pembroke ...	30.33	37	NNE	2	m	30.44	+ .17	33	31	- 3	NE	3	b	1	38	31	-	
	Scilly ...	30.28	40	NNE	5	0	30.36	+ .18	40	37	+ 3	NE	4	0	4	40	35	-	
	Prawle Point ...	30.27	35	ENE	4	0	30.37	+ .17	34	31	+ 2	ENE	5	bc	4	35	30	-	
	Jersey ...	30.21	36	NNE	3	om	30.32	+ .16	37	34	+ 2	NE	4	cq	3	39	34	-	
	Hurst Castle ...	30.22	36	ENE	4	om	30.36	+ .18	38	32	- 1	NE	3	bc	2	36	32	-	
	Dungeness ...	30.13	34	NE	4	0	30.29	+ .18	32	32	- 2	NE	4	0	4	35	31	-	
	London ...	30.24	33	NE	3	0	30.38	+ .22	31	30	- 2	NE	3	0	*	36	30	-	
	Oxford ...	30.30	34	NE	4	0	30.43	+ .21	32	30	+ 1	NE	5	0	*	35	31	-	
	Cambridge ...	30.27	34	NE	2	0	30.43	+ .22	32	31	- 1	NE	2	0	*	36	30	-	
PENIN. ISLANDS.	Yarmouth ...	30.24	34	ENE	5	bc	30.39	+ .23	31	30	- 2	ENE	5	cq	5	34	30	-	
	Cuxhaven ...	30.44	25	E	6	b	30.50	+ .17	16	14	- 3	E	4	b	*	27	14	-	
	Berlin ...	30.45	19	E	5	b	30.42	+ .03	11	10	- 6	E	5	b	*	25	10	-	
	Wiesbaden ...	*	*	*	*	*	30.15	+ .09	30	28	0	N	1	b	*	2	28	-	
	Munich ...	29.95	30	NE	4	b	30.01	+ .06	23	23	- 4	NE	4	0	*	41	21	-	
	The Helder ...	30.30	28	ENE	5	0	30.39	+ .24	21	20	- 5	NNE	4	c	3	30	21	-	
	Brussels ...	*	*	*	*	*	30.26	+ .17	19	19	- 3	NE	3	b	*	38	19	-	
	Cape Gris Nez...	30.11	33	E	7	0	30.25	?	31	31	- 2	NE	8	0	6	34	30	-	
	Paris ...	30.12	30	N	3	0	30.18	+ .08	24	23	0	N	3	0	*	31	23	-	
	Brest ...	30.24	35	N	3	0	30.30	+ .17	37	35	+ 4	NE	5	0	2	41	2	-	
PENIN. ISLANDS.	Lorient ...	30.21	39	N	3	0	30.26	+ .13	37	34	+ 8	NNE	4	0	2	39	28	-	
	Rocheport ...	30.20	35	NNE	5	0	30.24	+ .14	35	34	+ 8	NNE	5	0	2	41	?	-	
	Belfort ...	30.00	32	W	1	0	30.03	+ .04	29	29	- 1	W	1	0	*	34	26	-	
	Lyons ...	30.08	32	NNW	1	0	30.10	+ .03	30	28	+ 3	NNW	1	m	*	33	?	0.04	
	Nice ...	29.92	42	2	0	b	29.89	+ .04	39	34	- 2	ENE	3	0	2	52	34	-	
	Perpignan ...	30.02	39	NW	5	b	29.93	- .06	37	31	+ 7	NW	5	bc	*	47	?	-	
	Biarritz ...	30.09	38	E	3	b	30.21	+ .24	34	29	+ 9	25	4	0	1	43	23	-	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	
	Lisbon ...	30.18	46	NNW	5	b	30.18	+ .03	39	34	- 3	NE	7	b	2	52	37	-	

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

WEATHER CHARTS

for 8 a.m. on Tuesday, 28th February, 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

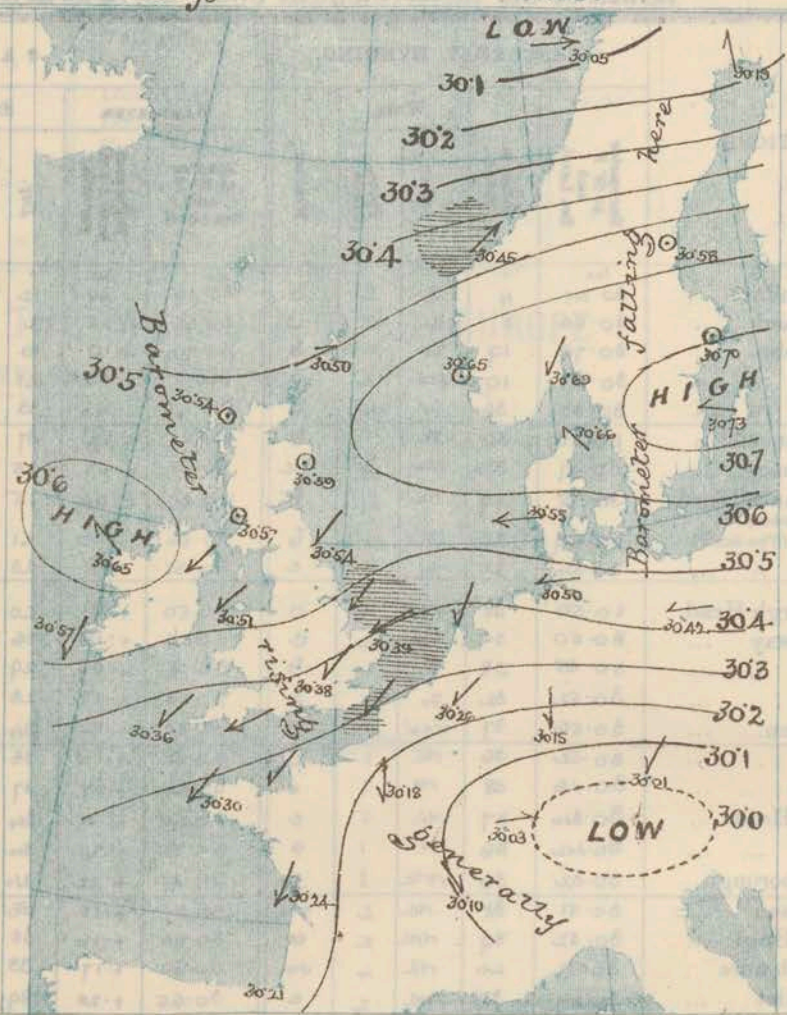
Barometer—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind—Arrows show the prevalent winds. They fly with the wind and their bars and feathers refer to force, thus—
 * → = forces above 10; → = forces 8 to 10;
 — = forces 5 to 7; — = forces 1 to 4;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

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.718
Stornoway	29.700
Wick	29.787
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.805
Donaghadee	29.812
Holyhead	29.848
Liverpool	29.873
Parsonstown	29.884
Valencia	29.850
Roche's Point	29.850
Pembroke	29.875
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.938
Cambridge	29.935
Yarmouth	29.928



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

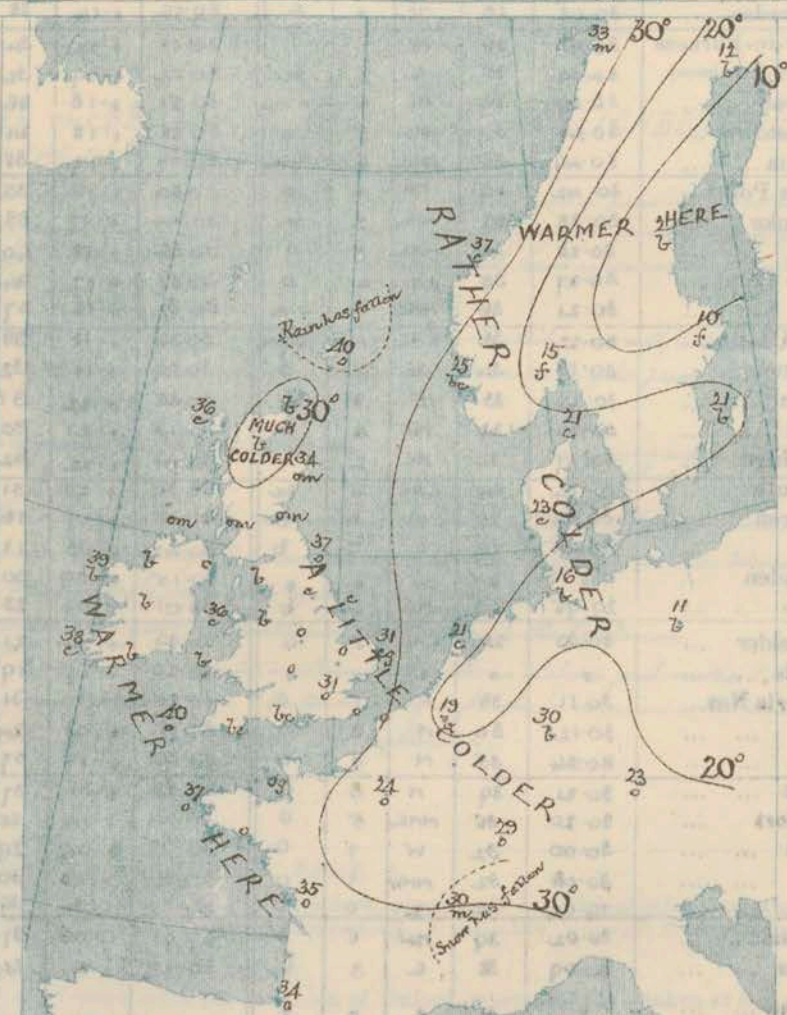
Temperature—Isotherms are drawn for each 10° changes since previous morning are stated in words.
Weather—is shown by Letters of the Beaufort Scale.
Rainfall—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of February.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	42.6	34.7	38.7	37.7	3.20
Stornoway	43.5	34.7	39.3	38.2	3.97
Wick	43.4	33.5	38.4	37.0	2.02
Nairn	43.4	33.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	46.6	34.7	39.2	37.7	1.58
Shields	44.3	35.7	39.2	37.9	1.63
York	45.3	34.2	38.2	37.1	1.88
Loughborough	46.0	34.5	38.4	37.3	2.00
Ardrossan	45.0	36.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.90
Liverpool	45.3	36.9	39.9	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	5.29
Roche's Point	48.9	40.0	43.6	42.2	4.86
Pembroke	46.2	40.3	43.1	41.9	3.20
Scilly	49.7	43.7	46.9	45.8	2.98
Jersey	47.6	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.63
Dover	45.4	37.4	40.3	39.1	2.12
LONDON	46.9	36.0	39.7	38.6	1.89
Oxford	45.9	35.9	38.8	37.7	2.06
Cambridge	46.4	33.9	38.3	37.3	1.60
Yarmouth	43.5	35.2	38.9	38.2	2.02

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, 30.6 ins: and more in the north of Ireland - 30.6 ins: to 30.75 ins: over the southern parts of Scandinavia.
Lowest, 30.0 ins: in a depression over South Germany, - 30.0 ins: in another depression near Rode.
Gradients moderate to slight. Barometer falling in far north and over Germany, rising slightly elsewhere.

TEMPERATURE

Highest, 40° at Billy, 38° at Dublin and Lissbon, 38° at Valencia and Hongkong.
Lowest, 2° at Helsingfors, 11° at Berlin, 12° at Haparanda, 15° at Trier, 16° at Copenhagen, 19° at Munich, 21° at the Wiltz and the Saar, 23° at Namur and Paris, 24° at Lyons, and 31° at London.
It has fallen since yesterday in Scotland, Germany, and the southeast of England.

WIND

Strong S.W. over the northern part of Norway, moderate S. at Haparanda, nearly calm in Scotland, the south of Norway, and Switzerland.
E. to N. elsewhere - light at the more northern stations, moderate to fresh in the south.

WEATHER

Dry generally - cloudy at the majority of stations, but clear in several localities.
The only stations reporting any rainfall for the past 24 hours are Lumburgh Head and Lyons.

SEA

Rather rough in the east and southeast, moderate in the south, smooth or nearly so elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

1. The baric fall, and S.W. wind reported in the far north do not seem to be spreading much in a S. direction at present.
2. The gradients round the depression over South Germany seem to be growing steeper, and there are some indications that shallow secondary systems are being formed over North Germany. There will probably travel westwards, and cause an increase in the cold wind already prevailing in the south and southeast, followed by some dry snow showers locally.

FORECASTS

for the 24 hours ending at NOON on 29th FEB^y 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	Variable air; fair, cloudy, cold.	6 { SCOTLAND WEST	Same as No 0
1 { SCOTLAND EAST	-----D°-----D°-----D°-----	7 { ENGLAND N. W.	Same as No 2
2 { ENGLAND N. E.	NE ^{ly} breezes, light to moderate; fair, dry, cold.	8 { ENGLAND S. W.	Same as No 5
3 { ENGLAND EAST	Same as No 5.	9 { IRELAND NORTH	NE ^{ly} breezes, moderate; fine, dry, cold.
4 { MIDLAND COUNTIES	Same as No 2.	10 { IRELAND SOUTH	-----D°-----D°-----D°-----
5 { ENGLAND SOUTH	NE ^{ly} winds, moderate or fresh; cloudy, with some bright intervals, dry, colder.	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 ...	30.64	41	35	WNW 1	b.c.	2	Holyhead ...	30.38	37	36	NE 4	om	4
Sumburgh Head ...	30.51	38	37	S 1	p	3	Valencia ...	30.45	40	37	NE 5	bm	4
Stornoway ...	30.48	44	42	S 2	c	2	Scilly ...	30.25	39	37	NE 5	o	4
Aberdeen ...	30.53	39	37	ESE 1	o	3	Dungeness ...	30.11	35	35	NE 4	o	3
Shields ...	30.42	38	36	NE 3	o	5	London ...	30.20	36	34	NE 4	og	*
Ardrossan ...	30.48	38	36	NE 2	c	1	Yarmouth ...	30.21	33	32	ENE 5	c	5
Malin Head ...	30.44	39	36	NE 2	o	1	Jersey ...	30.14	38	35	ENE 2	o	2
Mullaghmore ...	30.49	39	36	NE 3	om	2	Rocheport ...	30.17	37	33	NE 5	b	2
Belmullet ...	30.52	40	36	ENE 2	c	*							

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

The reports for yesterday morning showed that the barometer had again risen at all but the northern Scandinavian stations, and that the anticyclone over Northern Europe had increased both in length and breadth. In its centre the barometer was still above 30.7 in. The area of lowest reading 29.9 in. and less, had moved southeastwards from France to Italy, and the more central portions of the Mediterranean. Moderate SW^{ly} breezes were still reported in Lapland and Finland as well as in Algeria, but elsewhere the wind remained E or NE, and over Denmark, the Netherlands, and the south of our Islands it blew freely or strongly. The weather was fine in Scandinavia, Denmark, Germany, and the southwest of France, but cloudy or overcast elsewhere, with rain at Algiers, and snow at Lyons, Châtenay, Besançon and Riga. Temperature had risen a little over our Islands, the south of France and the north of Spain, but fallen elsewhere, readings ranged from 45° and upwards over Algeria and 35° and upwards over the west and north of our Islands, Spain, and the south of France (the Italian reports were missing) to 10° or less over Russia and some parts of Germany, and Austria to a few degrees below zero over Central Sweden. The highest individual readings were 51° at Lyon, 49° at Nemours, 48° at Courmou, Oran and Biskra, 46° at Algiers, 44° at La Caille, and 42° at Saint-Léonard; the lowest were -5° at Hørnø and, +1° at Kiev, 2° at Memel, 5° at Lemberg and Warsaw, 6° at Hango, 7° at Archangel, and 8° at Kiclatiff.

In the course of the day very little change occurred either in pressure, winds or weather. A new high pressure system began to show itself, however, off our extreme northwest coasts, while a slight fall of the barometer set in over the northern part of Scandinavia.

General Remarks on the Weather for 24 hours ended 8 am FEB^y 27th 1888.

The reports for Sunday morning showed that the barometer had risen generally, the highest readings (30.7 in. and upwards) being found in an anticyclone which extended from Central Russia to the neighbourhood of Stockholm. The lowest readings 29.9 in. and less, were reported over France, South Germany, the northeast of Spain and the western part of the Mediterranean. Moderate SW^{ly} breezes prevailed over Lapland and Finland, and also in Algeria, and NW^{ly} breezes in the south of France and east of Spain, but elsewhere the wind varied between E and NE, and in the Channel and southeast of England it blew strongly. The weather was fair in most districts, but overcast skies were reported locally, and rain was falling in the extreme south of France as well as at Livourne, Palermo, and Algiers. Temperature had fallen over Spain, Algeria, and the southern parts of France and Russia, but risen over Germany; elsewhere the changes were slight and irregular. Readings ranged from 50° and upwards in the south of Italy, and 45° and upwards, at the Algerian and Italian stations generally to 5° or less in the north of Sweden, and to a few degrees below zero over Southern Russia. The highest individual readings were 52° at Brindisi, 51° at Nemours, 50° at Palermo and Oran, 48° at Naples, 48° at Cagliari and La Caille, and 46° at Algiers; the lowest were -4° F. at Kiev, -2° at Kharkov, +2° at Hørnø and, 4° at Kiclatiff and Riga, 5° at Haparanda, 10° at Lemberg, Stockholm and Heligfohl and (at Moscow).

In the course of the day the thermometer rose somewhat decidedly over France, and slightly in our Islands, but no important change was observed in the distribution of pressure. Frost and snow showers were reported over the northern part of the United Kingdom.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

† The evening observations are taken at 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 29th FEBRUARY

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 ..	30.26	19	Z	0	0	30.24	+ .05	12	11	0	W	2	c	*	19	1	—	
Hernösand ...	30.49	20	Z	0	0	30.54	— .04	9	9	+	Z	0	b	*	34	0	—	
Stockholm ...	30.60	10	W	2	0	30.52	— .18	10	10	0	W	2	b	*	23	7	—	
Wisby ...	30.65	22	E	2	0	30.58	— .15	21	21	0	SE	2	b	*	32	10	—	
Bodö ...	30.38	20	WNW	0	0	30.29	+ .24	30	28	—	WSW	7	s	4	24	25	—	
Christiansund...	30.53	34	NNE	4	0	30.57	+ .12	33	29	—	ESE	1	c	4	37	30	—	
Skudesnaes ...	30.59	36	Z	0	0	30.57	— .08	30	29	+	SE	2	0	3	37	25	—	
Christiania Fjord (Færder)	30.61	19	S	2	f	30.59	— .10	15	15	0	N	2	f	0	19	12	—	
Skagen (The Scaw)	30.58	20	NE	1	bc	30.55	— .11	20	19	—	NE	1	bc	0	23	18	—	
Fanö ...	30.49	25	ESE	4	c	30.44	— .11	26	25	+	ESE	4	b	*	27	23	—	
BRITISH ISLANDS.																		
Sumburgh Head	30.52	40	WSW	1	0	30.60	+ .10	34	33	—	N	2	0	3	41	32	0.07	
Stornoway ...	30.54	43	NE	4	0	30.60	+ .06	39	39	+	NE	5	0	4	47	34	0.04	
Wick ...	30.57	37	WNW	1	0	30.61	+ .03	39	28	+	E	3	0	3	40	28	0.03	
Nairn ...	30.55	36	Z	0	c	30.55	— .03	37	35	+	NE	2	r	1	42	22	0.08	
Aberdeen...	30.58	36	WNW	1	om	30.56	— .03	33	32	—	N	1	fpts	2	39	32	0.02	
Leith ...	30.50	36	NNE	1	0	30.55	— .03	36	35	0	NE	1	om	*	38	33	0.01	
Shields ...	30.53	36	NE	3	0	30.50	— .04	35	32	—	NE	3	0	4	39	34	—	
Spurn Head ...	30.47	33	NNE	4	c	30.41	— .04	33	32	—	NNE	4	cg	4	38	31	—	
York ...	30.51	33	NNE	2	0	30.48	— .04	32	30	—	NE	1	0	*	38	31	—	
Loughborough	30.47	32	NE	4	0	30.45	— .02	31	29	—	N	2	og	*	38	30	—	
Ardrossan ...	30.66	38	NE	1	om	30.54	— .03	36	34	0	NE	1	om	1	38	33	—	
Malin Head ...	30.50	38	SE	3	0	30.55	— .05	37	35	—	SE	3	orspm	2	44	33	—	
Mullaghmore ...	30.50	42	NNW	1	c	30.55	— .05	35	33	+	E	2	c	2	48	32	—	
Belmullet ...	30.38	44	NNW	2	c	30.55	— .10	37	34	—	N	2	0	*	45	34	0.01	
Donaghadee ...	30.54	38	SSE	4	bc	30.54	— .02	37	34	—	ESE	4	c	2	39	37	—	
Barrow-in-Furness	30.49	37	NE	2	0	30.48	— .07	33	33	—	NE	3	c	*	44	33	—	
Liverpool (Bidston)	30.49	34	ESE	3	bc	30.49	— .03	31	30	—	NE	1	0	4	39	30	—	
Holyhead ...	30.49	38	NNE	4	0	30.49	— .02	33	32	—	ESE	2	cps	2	40	33	0.01	
Parsonstown ...	30.54	41	Z	0	0	30.50	— .08	34	33	0	Z	0	0	*	44	30	—	
Valencia ...	30.54	42	NNE	4	0	30.47	— .10	37	33	—	NE	3	om	3	45	34	—	
Roche's Point...	30.49	39	N	1	0	30.45	— .05	36	35	+	ESE	3	om	3	46	30	—	
Pembroke ...	30.43	38	N	3	m	30.43	— .01	31	30	—	ESE	4	og	1	44	29	—	
Scilly ...	30.37	42	NE	4	bc	30.36	— .01	34	31	—	ESE	4	0	4	43	32	—	
Prawle Point ...	30.40	35	ESE	5	bc	30.38	+ .01	29	27	—	ESE	5	og	4	43	26	—	
Jersey ...	30.37	36	NE	4	om	30.33	+ .01	34	31	—	NE	3	om	3	37	32	—	
Hurst Castle ...	30.36	33	NE	5	bc	30.29	+ .03	30	29	—	ESE	4	c	2	37	30	—	
Dungeness ...	30.29	32	NE	6	0	30.30	+ .01	30	30	—	NE	3	os	2	32	29	—	
London ...	30.39	32	NNE	3	c	30.37	— .01	30	29	—	ESE	2	osgm	*	34	29	—	
Oxford ...	30.45	30	NE	4	0	30.42	— .01	29	28	—	NE	2	sp	*	34	29	—	
Cambridge ...	30.43	30	NE	3	0	30.40	— .03	31	31	—	NNE	1	s	*	34	28	—	
Yarmouth ...	30.39	30	NE	6	cg	30.35	— .04	30	29	—	NE	5	osy	5	31	28	—	
Cuxhaven ...	30.45	24	ESE	3	0	30.39	— .11	19	18	+	E	3	b	*	24	16	—	
Berlin ...	30.37	19	E	4	0	30.34	— .08	12	11	+	E	4	b	*	19	10	—	
Wiesbaden ...	*	*	*	*	*	30.19	+ .04	26	24	—	NE	2	s	*	39	25	—	
Munich ...	30.04	29	WN	1	0	30.06	+ .05	28	27	+	SE	3	0	*	32	?	—	
FRANCE & NETHERLANDS.																		
The Helder ...	30.38	25	ESE	4	0	30.34	— .05	24	23	+	ESE	1	c	1	27	21	—	
Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Cape Gris Nez...	30.29	29	E	8	0	30.29	+ .04	24	?	—	E	4	s	4	34	23	—	
Paris ...	30.24	25	N	5	0	30.27	+ .09	16	15	—	N	7	c	*	29	15	—	
Brest ...	30.35	37	NE	5	0	30.32	+ .02	34	33	—	NNE	1	0	2	41	32	—	
Lorient ...	30.28	36	NNE	5	0	30.30	+ .04	32	28	—	NE	5	0	2	39	30	—	
Rochefort ...	30.26	36	NNE	5	0	30.28	+ .04	30	29	—	NNE	5	0	2	41	25	—	
Belfort ...	30.05	30	W	1	0	30.07	+ .04	27	27	—	W	1	0	*	31	25	—	
Lyons ...	30.12	31	WN	4	s	30.15	+ .05	26	25	—	WNW	4	0	*	32	26	—	
Nice...	29.90	42	N	1	0	29.94	+ .05	39	33	0	E	1	b	1	48	36	—	
Perpignan ...	30.07	39	WN	4	0	30.07	+ .14	36	32	—	WN	3	b	*	45	34	—	
Biarritz ...	30.19	38	E	3	0	30.19	— .02	24	33	0	ESE	4	0	2	40	32	0.08	
PENIN. ISLANDS.																		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lisbon ...	30.10	48	NE	5	0	29.99	+ .01	39	35	0	NE	7	0	2	52	37	—	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on WEDNESDAY, 29th February, 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.

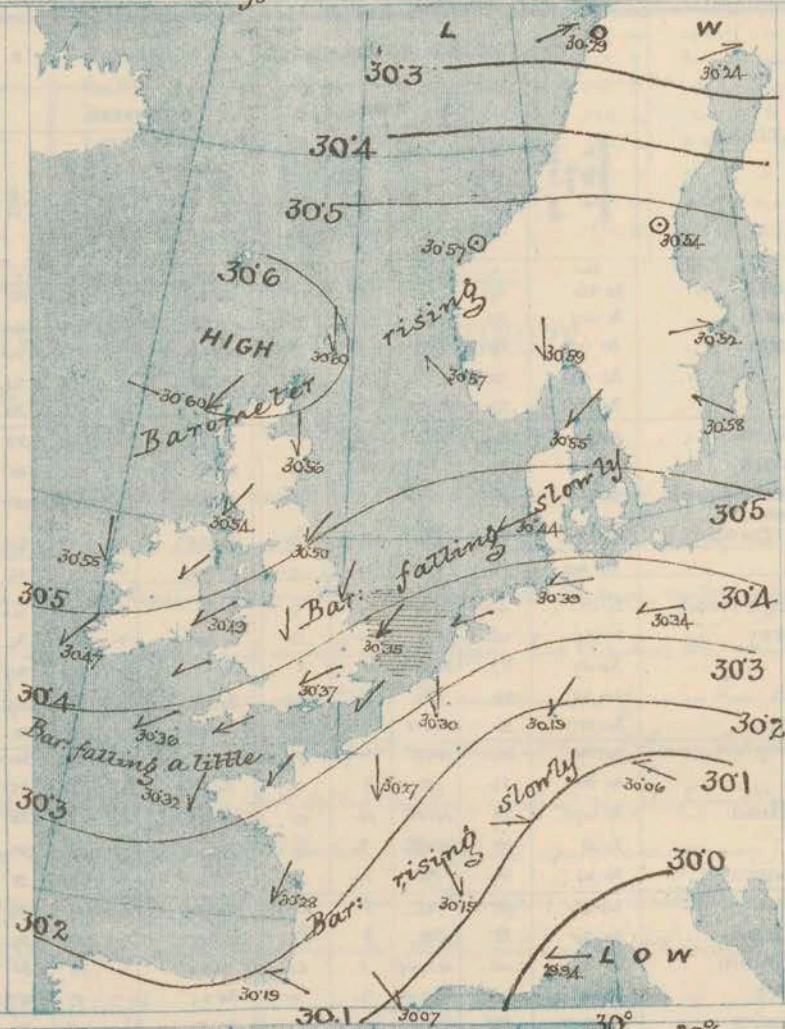
Sea Disturbance — where considerable, is shown thus.

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	<i>in.</i>
Sumburgh Head	29.718
Stornoway	29.700
Wick	29.737
Nairn	29.747
Aberdeen	29.780
Leith	29.803
Shields	29.847
York	29.884
Loughborough	29.912
Ardrossan	29.805
Donaghadee	29.812
Holyhead	29.848
Liverpool	29.873
Parsonstown	29.834
Valencia	29.850
Roche's Point	29.850
Pembroke	29.875
Scilly	29.911
Jersey	29.975
Hurst Castle	29.944
Dover	29.957
LONDON	29.949
Oxford	29.938
Cambridge	29.935
Yarmouth	29.928



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

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

Weather — is shown by Letters of the Beaufort Scale.

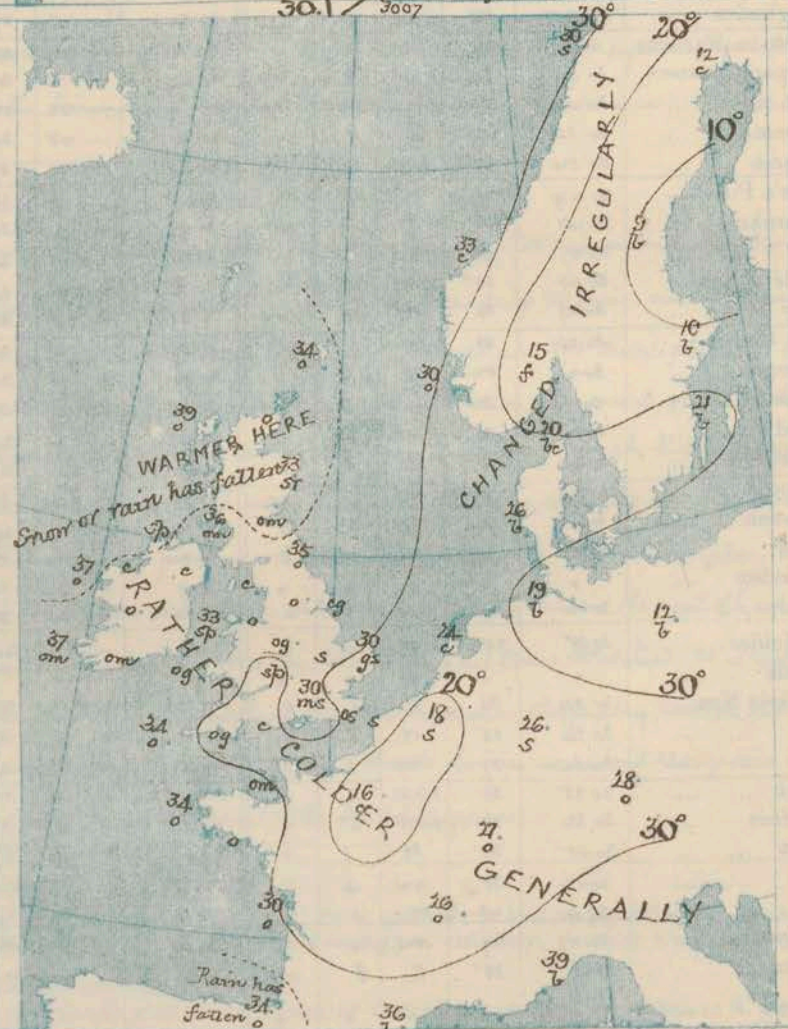
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
 for the month of February.

STATIONS	TEMPERATURE				RAINFALL. (Inches)
	Daily Max	Daily Min	at 8 a.m.	at 8 a.m.	
			Dry	Wet	
Sumburgh Head	42.6	34.7	38.7	37.7	3.23
Stornoway	43.5	34.7	39.3	38.2	3.97
Wick	43.4	33.5	38.4	37.0	2.02
Nairn	43.4	33.8	37.4	35.7	1.51
Aberdeen	43.5	34.2	37.8	36.2	2.51
Leith	46.6	34.7	39.2	37.7	1.58
Shields	44.3	35.7	39.2	37.9	1.63
York	45.3	34.2	38.2	37.1	1.88
Loughborough	46.0	34.5	38.4	37.3	2.00
Ardrossan	45.0	36.7	40.0	38.6	3.47
Donaghadee	45.8	37.0	40.7	39.7	2.71
Holyhead	46.1	39.3	42.3	40.8	2.90
Liverpool	45.3	36.9	39.9	38.3	1.85
Parsonstown	47.4	36.1	40.1	38.8	2.45
Valencia	50.2	40.8	45.1	43.4	5.29
Roche's Point	48.9	40.0	43.6	42.2	4.86
Pembroke	46.2	40.3	43.1	41.9	3.20
Scilly	49.7	43.7	46.9	45.3	2.98
Jersey	47.6	40.1	43.2	42.0	2.72
Hurst Castle	46.5	37.9	41.3	40.4	2.63
Dover	45.4	37.4	40.8	39.1	2.12
LONDON	46.9	36.0	39.7	38.6	1.89
Oxford	45.8	35.9	38.8	37.7	2.06
Cambridge	46.4	33.9	38.3	37.3	1.80
Yarmouth	43.5	35.2	38.9	38.2	1.41

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 ins. and more, in the extreme North of Scotland, 30.5 ins. and more at all our northern and northwestern stations, and over the southern half of Scandinavia.
Lowest. About 29.9 ins. over the Gulf of Genoa; and about 30.2 ins. over Lapland.
Gradients slight everywhere; Barometer falling slightly in the Southwest, South, and East.

TEMPERATURE

Highest 39° at Nice, Lisbon and Stornoway, 37° in the West and North of Ireland, and at Neirn, and 36° at Rocher Point.
Lowest 9° at Heriöland, 12° at Haparandawand Berlin, 16° at Paris, 18° at Brussels, 30° over the southeast of England.
It has risen several degrees in the North of Scotland since yesterday, fallen somewhat over France.

WIND

Strong from the W.S.W. in Lapland, from N. in Paris, and from N.E. at Lisbon.
Light to fresh from the N.E. in all other localities, excepting the South of France where it is more generally N.W.

WEATHER

Cloudy except to the eastward of the North Sea. Showers of dry snow are reported in several localities; cold rain and sleet in the North of Scotland.

SEA

Rather rough on our East coast, moderate in the northeast and in the Channel, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The observations do not indicate any immediate change of importance.

FORECASTS

For the 24 hours ending at NOON on 1st March

1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	N th breezes, light and variable; some cold showers.
1	SCOTLAND EAST	.....D.....D.....D.....
2	ENGLAND N.E.	NE th winds, fresh; occasional showers of dry snow.
3	ENGLAND EAST	.....D.....D.....D.....
4	MIDLAND COUNTIES	NE th winds, moderate; cold, dry. Local snow showers.
5	ENGLAND SOUTH	NE th winds, fresh; occasional snow showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NE th and E th winds, light; fair, cold.
7	ENGLAND N.W.	.....D.....D.....D.....
8	ENGLAND S.W.	Same as N ^o 5.
9	IRELAND NORTH	Same as N ^{os} 6 and 7.
10	IRELAND SOUTH	Same as N ^{os} 6 and 7.

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 ...	30.62	27	22	SSE	1	bc	2	Holyhead ...	30.51	39	37	NE	4	b	3
Sumburgh Head ...	30.51	40	40	WSE	1	of	3	Valencia ...	30.56	44	40	NE	5	bm	4
Stornoway ...	30.53	46	46	SE	2	0	2	Scilly ...	30.39	42	39	NE	3	bm	4
Aberdeen ...	30.59	39	37	NNW	1	om	2	Dungeness ...	30.59	32	31	NE	6	c	5
Shields ...	30.54	28	24	NE	2	0	4	London ...	30.38	24	33	NNE	3	c	*
Ardrossan ...	30.57	38	36	NE	2	0	1	Yarmouth ...	30.29	30	29	NE	4	c	5
Malin Head ...	30.58	44	42	N	1	b	0	Jersey ...	30.35	37	34	NE	3	0	3
Mullaghmore ...	30.58	43	41	WSE	1	c	2	Rocheport ...	30.27	39	37	NNE	5	0	2
Belmullet ...	30.60	44	42	WSE	2	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. fins. and upwards, were reported over the southern parts of Sweden and the Baltic, a broad band of high readings 30.5 fins. and upwards, extended from Russia to the North and West of the British Islands. To the North of this band a somewhat decided fall of the barometer was being occasioned by a depression which was passing eastward along the extreme North of Norway, but elsewhere the mercury was rising steadily. An area of low readings was however still lying over Italy. The wind was ^{by} SW. or ^{by} W. over northern Europe generally, and also in Algeria, and ^{by} NW. in the South of France, elsewhere it remained ^{by} E. or ^{by} NE. and over the Bay of Biscay, the Channel, and the southeast of England it blew freshly. Fine but cloudy weather prevailed generally. Temperature had risen a little in the southwest of our Islands and also in the West and South of France, but fallen in most other localities; readings ranged from 50° and upwards at the Mediterranean stations, and 40° and upwards over Spain and Central Algeria, to 5° and less over western Russia. The highest individual readings were 54° at Malta, 53° at Nemours and Oren, 52° at Brindisi, 48° at Palermo and Speer, and 47° at Algiers and Lissina; the lowest were 0° at Riga, 2° at Hernisand, 4° at Lomborg, Kiev and Nicolaieff, 5° at Breslau, 6° at Helsingfors and Cracow, 8° at St Petersburg, 9° at Moscow, and 10° at Stockholm.

Late in the day a slight fall of the barometer set in on our extreme North and Northwest coasts, while the wind there shifted to the ^{by} SW. The change was however purely temporary, and in the evening ^{by} NE. winds were again becoming general over our Islands.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

CORRECTIONS AND ADDITIONS TO THE REPORTS FOR FEB^y 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.		
				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.			
2	Malin Ha.	30.01	36	NW	1	0	29.94	- 11	39	39	+ 2	SSW	4	or	3	40	35	-		
	Corunna...	*	*	*	*	*	29.88	+ 16	44	42	- 1	NE	7	3	5	50	37	0.43		
3	Skagen...	29.67	31	SW	3	0	29.32	- 56	34	34	+ 15	SSW	4	0	3	34	12	0.04		
	Corunna...	*	*	*	*	*	30.19	+ 31	47	45	+ 3	NNE	7	60	6	57	41	-		
6	Corunna...	*	*	*	*	*	30.17	- 18	45	43	+ 6	NE	3	6	4	57	37	-		
	Lisbon...	30.12	49	N	5	6	30.12	- 08	41	37	0	N	4	6	2	54	39	-		
8	Corunna...	*	*	*	*	*	30.30	+ 02	48	46	- 3	NE	1	0	5	57	41	-		
9	Corunna...	*	*	*	*	*	30.28	- 02	48	46	0	?	3	6	4	54	45	-		
10	Corunna...	*	*	*	*	*	30.15	- 13	37	36	- 11	NE	3	6	4	54	32	-		
	Lisbon...	30.15	54	NNE	5	6	30.15	- 04	43	41	+ 1	N	4	60	2	57	41	-		
11	Corunna...	*	*	*	*	*	29.98	- 17	46	45	+ 9	NW	1	0	4	55	34	-		
13	Corunna...	*	*	*	*	*	30.02	+ 20	47	44	0	NE	4	60	4	55	45	0.12		
14	Corunna...	*	*	*	*	*	30.07	+ 05	43	42	- 4	NNE	3	60	4	52	36	-		
16	Corunna...	*	*	*	*	*	30.26	- 01	45	43	+ 1	N	8	6	6	52	41	-		
17	Corunna...	*	*	*	*	*	30.17	- 09	46	-	+ 1	NNE	9	0	7	50	36	0.24		
18	Brussels...	*	*	*	*	*	29.73	- 13	29	29	- 2	N	4	8	*	33	29	0.24		
	Lyon...	29.68	30	ESE	1	S	29.61	- 14	28	28	- 2	NW	1	S	*	34	28	0.08		
	Nice...	29.60	37	E	1	6	29.50	- 09	31	29	- 2	ESE	9	S	4	45	28	-		
	Corunna...	*	*	*	*	*	30.01	- 16	45	43	- 1	NNE	9	0	8	50	41	0.12		
	Lisbon...	30.04	45	N	5	60	29.86	- 26	44	40	+ 4	NNE	7	6	2	50	?	0.04		
20	Brussels...	*	*	*	*	*	29.53	+ 11	20	-	- 5	E	1	60	*	29	13	-		
	Corunna...	*	*	*	*	*	29.71	+ 02	40	40	- 11	NW	11	T	9	52	34	0.24		
21	Nice...	29.41	37	E	1	C	29.44	+ 22	32	28	- 1	ENE	1	0	4	39	30	0.87		
	Corunna...	*	*	*	*	*	29.76	+ 05	39	38	- 1	ESE	1	0	5	48	34	0.08		
23	Corunna...	*	*	*	*	*	29.80	- 03	40	39	- 2	ESE	1	0	2	46	34	0.12		
24	Corunna...	*	*	*	*	*	29.75	- 05	39	39	- 1	NE	1	T	4	50	34	0.04		
26	Brussels...	*	*	*	*	*	29.97	+ 05	20	-	+ 8	ENE	4	60	*	28	?	-		
27	Corunna...	*	*	*	*	*	30.04	+ 09	48	43	+ 9	NE	7	0	6	48	36	0.20		
28	Corunna...	*	*	*	*	*	30.32	+ 28	34	33	- 14	ENE	3	0	3	?	34	0.16		
29	Brussels...	*	*	*	*	*	30.30	- 04	18	17	- 1	N	3	S	*	28	16	-		
	Corunna...	*	*	*	*	*	30.14	- 18	43	40	+ 9	NE	1	60	4	50	32	-		

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 ...	29.974	35.1	30.3	40.0	35.2	23	15 th	47	5 th + 6 th	0.181
	{ Wick ...	30.021	34.7	28.7	39.5	34.1	10	16 th	50	6 th	.182
	{ Stornoway ...	30.025	36.5	31.2	41.7	36.5	20	15 th	50	4 th 5 th 6 th	.210
1. SCOTLAND, E.	{ Nairn ...	30.029	33.7	28.5	40.5	34.5	9	16 th	52	5 th 16 th	.167
	{ Aberdeen ...	30.036	34.0	30.0	40.2	35.1	10	16 th 17 th	54	5 th	.164
	{ Leith ...	30.037	36.0	32.5	41.7	37.1	19	16 th	52	5 th + 8 th	.189
2. ENGLAND, N.E.	{ Shields ...	30.006	36.3	32.6	40.7	36.7	24	12 th	51	6 th	.185
	{ York ...	30.010	34.8	31.4	41.5	36.5	20	14 th	54	8 th	.177
	{ Spurn Head ...	29.965	36.4	33.4	39.5	36.5	27	25 th	46	5 th 16 th	.189
3. ENGLAND, E.	{ Yarmouth ...	29.922	34.7	31.0	37.6	34.3	20	2 nd	48	5 th + 8 th	.180
	{ Cambridge ...	29.968	34.0	29.3	40.1	34.7	16	2 nd	53	8 th	.178
4. MIDLAND COUNTIES.	{ Loughborough ...	30.001	34.5	31.8	40.6	36.2	17	26 th	51	6 th	.174
	{ Oxford ...	29.995	33.2	30.3	39.1	34.7	18	25 th	51	6 th	.169
5. ENGLAND, S.	{ London ...	29.957	34.3	31.6	39.8	35.7	20	2 nd + 3 rd	52	6 th	.170
	{ Dungeness ...	29.895	34.9	31.5	39.6	35.6	21	2 nd + 3 rd	51	4 th	.191
	{ Hurst Castle ...	29.971	34.9	30.4	41.2	35.8	20	2 nd + 3 rd	53	6 th 17 th	.185
6. SCOTLAND, W.	Ardrossan ...	30.064	36.5	33.0	41.7	37.4	21	16 th	50	4 th + 5 th	.198
7. ENGLAND, N.W.	{ *Hawes Junction ...	28.740	30.7	27.2	35.0	31.1	14	14 th	46	5 th 16 th	.164
	{ Barrow-in-Furness ...	30.035	35.6	32.8	41.0	36.9	23	14 th	46	4 th 5 th 6 th 11 th	.190
	{ Liverpool Obs* (Bidston) ...	30.044	35.0	33.1	39.3	36.2	26	14 th + 15 th	47	3 rd 4 th	.176
	{ Holyhead ...	30.063	38.1	36.2	41.9	39.1	28	26 th	49	3 rd + 5 th	.202
8. ENGLAND, S.W.	{ Pembroke ...	30.057	37.4	35.0	41.0	38.0	27	25 th 26 th 27 th	48	5 th 16 th	.196
	{ Prawle Point ...	30.015	34.9	30.8	41.7	36.3	21	25 th	53	9 th	.167
9. IRELAND, N.	{ Malin Head ...	30.092	38.7	35.8	41.5	38.7	28	13 th	48	4 th 5 th 16 th	.212
	{ Donaghadee ...	30.082	38.2	35.4	42.2	38.8	25	14 th	52	4 th + 5 th	.199
	{ Mullaghmore ...	30.118	38.7	35.6	43.1	39.4	29	14 th 16 th 17 th	51	4 th	.204
	{ Belmullet ...	30.148	39.6	36.4	43.6	40.0	29	13 th	50	3 rd 5 th 18 th	.209
10. IRELAND, S.	{ Parsonstown ...	30.135	35.1	31.7	42.3	37.0	20	16 th 17 th	51	4 th	.183
	{ Valencia ...	30.160	40.3	38.2	45.7	42.0	25	27 th	51	3 rd 7 th 8 th 9 th	.204
	{ Roche's Point ...	30.110	37.9	35.0	43.2	39.1	28	27 th	52	3 rd	.198
CHANNEL ISLANDS.	{ Scilly (St. Mary's) ..	30.032	40.5	36.9	43.7	40.3	29	25 th	49	4 th 7 th 9 th 10 th 12 th	.218
	{ Jersey (Noirmont) ...	29.974	38.4	35.2	41.6	38.4	21	25 th	50	6 th + 9 th	.191
* Hawes Junction is 1135 feet above mean Sea Level and the											

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

STATIONS in the BRITISH ISLANDS during the Month of February 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.																	
88	7.4	2.94	0.54	14 th	23	3	1	0	4	17	0	8	5	1	2	0	2	3	2	6
90	7.4	2.48	0.30	10 th	21	7	0	0	2	13	4	3	3	2	3	1	3	3	10	1
98	8.1	2.40	0.29	2 nd	21	3	0	0	2	19	0	2	7	2	1	0	6	2	4	5
86	5.7	1.28	0.17	13 th	18	9	1	0	7	10	1	2	2	0	0	0	7	4	2	12
83	6.8	2.05	0.57	14 th	22	10	1	0	5	11	1	5	1	4	3	0	0	7	9	0
89	6.6	1.15	0.28	13 th	16	12	0	0	5	8	0	3	5	6	1	0	1	13	0	0
86	7.9	0.99	0.32	19 th	15	13	6	0	2	14	1	1	9	4	0	0	2	10	3	0
90	7.0	1.65	0.58	19 th	14	2	0	0	7	15	0	9	6	2	0	1	1	7	3	0
88	6.3	0.85	0.19	19 th	10	6	0	0	0	4	6	5	9	3	0	0	2	7	3	0
89	7.1	1.96	0.49	14 th	16	9	1	0	1	6	7	3	9	6	0	1	0	5	5	0
90	8.9	1.04	0.30	14 th	12	9	0	0	2	23	0	8	8	1	0	0	4	5	3	0
86	8.2	1.26	0.26	7 th 49 th	13	11	4	0	3	20	0	6	7	1	1	0	1	8	5	0
88	8.4	2.80	1.42	14 th	15	14	1	0	2	19	0	4	11	1	0	0	3	7	3	0
85	8.7	0.95	0.24	13 th	15	17	0	0	2	22	4	5	9	3	0	1	4	4	3	0
94	8.6	1.54	0.34	13 th	15	10	1	0	1	18	3	2	8	5	1	0	1	6	6	0
91	6.1	0.95	0.36	13 th	11	7	1	0	5	7	7	2	9	6	0	0	1	5	6	0
92	6.3	1.02	0.44	12 th	10	6	0	0	9	14	0	4	10	3	0	0	1	5	5	1
96	8.0	1.11	0.25	19 th	22	12	0	0	2	18	3	4	12	1	2	1	4	3	2	0
91	6.1	0.75	0.24	2 nd	12	5	0	0	3	9	0	8	11	1	0	0	3	1	5	0
86	6.5	1.08	0.32	11 th	16	2	1	0	8	13	1	5	8	2	0	0	3	9	2	0
88	7.3	0.65	0.19	2 nd	18	6	0	1	1	9	1	3	8	5	0	0	2	6	5	0
88	5.8	0.69	0.16	2 nd 13 th	14	7	0	0	7	7	1	4	12	1	0	1	0	7	4	0
82	6.6	0.94	0.37	11 th	15	12	2	0	5	10	3	10	4	4	0	0	0	7	4	0
90	7.6	0.94	0.19	2 nd	17	4	6	0	5	19	0	4	7	2	3	3	2	2	6	0
87	5.4	0.40	0.11	12 th	12	2	0	0	5	3	3	0	11	5	0	0	0	9	4	0
87	7.5	1.64	0.38	2 nd	15	5	4	0	4	14	6	3	5	6	1	1	4	6	2	1
86	8.2	2.34	0.50	12 th	18	5	2	0	3	21	2	5	5	4	5	0	3	3	4	0
89	7.5	0.57	0.18	2 nd	14	1	0	0	5	17	0	2	1	0	0	0	0	0	0	26
82	7.7	1.87	0.36	15 th	18	2	3	0	2	17	1	5	9	3	1	0	2	4	4	1
87	4.1	0.26	0.10	2 nd 18 th	8	4	0	0	8	5	2	7	8	3	0	0	0	6	5	0
87	8.6	1.07	0.23	13 th	17	7	5	0	0	17	5	6	10	2	1	0	0	3	7	0
83	8.5	2.39	0.40	24 th	18	10	8	0	1	20	10	6	10	3	0	0	0	4	6	0

Barometric Observations at this Station are not corrected for altitude.

2. CORRECTIONS.

DATE.	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.								PAST 24 HOURS.			
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.
				Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.	
1	Nice	-	-	-	-	-	-	-	28	28	- 1	-	-	6	-	-	-	-
3	Maparanda.	-	-	-	-	-	-	-	3	3	+ 27	-	-	-	-	3	-	-
-	Sumburgh Hd.	29.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Stornoway...	29.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Barrow-in-Fur.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02
-	London	-	-	-	-	-	30.25	.00	-	-	-	-	-	-	-	-	-	-
10	Prawle Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
-	Jersey	30.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Brussels	-	-	-	-	-	-	-	30	-	- 7	-	-	-	-	-	-	-
-	Paris	-	-	-	-	-	-	-	32	-	- 8	-	-	-	-	-	-	-
14	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17
-	Jersey 2pm...	-	-	-	-	-	29.73	-	-	-	-	-	-	-	-	-	-	-
16	Cape Gris Nez	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.28
-	Jersey 2pm	-	-	-	-	-	-	-	39	-	-	-	-	-	-	-	-	-
18	Stornoway 2pm	-	-	-	-	-	29.99	-	-	-	-	-	-	-	-	-	-	-
19	Parsonstown	-	? 44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.62
21	Wick	-	-	-	-	-	-	-	-	36	-	-	-	-	-	-	-	-
22	Pembroke...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02
-	Yarmouth...	-	-	-	-	-	29.83	+ .08	-	-	-	-	-	-	-	-	-	-
<div>Owing to a telegraphic error the Total Rainfall given in the Summary for January 1888 at Belmullet is erroneous; it should read "3.03 ins".</div>																		

Owing to a telegraphic error the Total Rainfall given in the Summary for January 1888 at Belmullet is erroneous; it should read "3.03 ins".