

DAILY WEATHER REPORT

METEOROLOGICAL OFFICE

LONDON.

DAILY WEATHER REPORTS.

1ST JANUARY—30TH JUNE.

1888.

Soc. Reg. Lond.

DAILY WEATHER REPORT.

January to June 1888.



Printed by T. Agnew & Sons, Ltd., London.

DAILY WEATHER REPORT.

for Sunday 1st April 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.)						
SCANDINAVIA.	Haparanda ..	29.86	16	Z	0	bc	29.76	+ .08	13	13	— 6	Z	0	b	*	28	?	—	
	Hernösand ...	29.87	23	NNE	2	o	29.64	— .10	25	24	— 1	N	2	c	*	34	21	—	
	Stockholm ...	29.65	34	N	2	o	29.52	— .13	27	26	— 11	NW	2	s	*	41	?	0.08	
	Wishy ...	29.61	30	SE	2	r	29.59	— .06	33	33	— 6	W	2	f	*	48	33	0.16	
	Bodö ...	29.85	23	E	2	b	29.56	— .10	28	25	+ 6	E	2	c	1	28	22	—	
	Christiansund...	29.79	34	E	2	b	29.66	— .02	34	30	— 0	SSW	2	o	2	36	30	—	
	Skudesnaes ...	29.70	34	NNW	2	bc	29.71	+ .14	35	33	+ 1	NW	4	o	2	40	34	—	
	Christiania Fjord (Færdar)	29.64	32	N	5	s	29.62	+ .08	30	29	— 1	NNW	2	o	1	32	27	—	
	Skagen (The Scaw)	29.62	33	Z	0	o	29.60	+ .10	32	32	— 1	N	1	o	0	34	32	0.12	
	Faou ...	29.71	33	WSW	4	o	29.74	+ .23	34	33	+ 1	W	4	c	*	37	32	—	
BRITISH ISLANDS.	Sumburgh Head	29.98	38	NNE	4	c	29.79	+ .06	35	33	— 3	N	4	c	4	44	33	0.05	
	Stornoway ...	30.07	41	NE	4	bc	30.00	+ .08	43	43	+ 10	Z	0	o	4	44	33	0.04	
	Wick ...	29.94	36	NW	4	bc	29.91	+ .09	41	41	+ 2	N	3	o	3	44	30	0.05	
	Nairn ...	30.00	40	NNW	3	c	29.98	+ .15	38	34	+ 2	WSW	2	c	2	45	31	—	
	Aberdeen...	29.95	39	N	5	bc	29.94	+ .17	38	34	— 1	NNW	3	o	2	44	32	0.04	
	Leith ...	29.96	39	NW	2	b	30.06	+ .26	36	33	— 2	NW	1	cm	*	48	32	—	
	Shields ...	29.90	40	N	4	ow	30.05	+ .33	37	35	— 3	WNW	3	c	3	45	32	0.05	
	Spurn Head ...	29.85	40	NNW	5	bc	30.00	+ .32	37	35	— 3	NNW	4	bc	1	44	34	0.01	
	York ...	29.90	40	NW	2	c	30.08	+ .32	38	36	— 2	NW	2	b	*	46	32	0.01	
	Loughborough	29.91	42	NNW	1	o	30.08	+ .34	36	34	— 4	NNW	2	bm	*	47	31	—	
GERMANY.	Ardrossan ...	29.98	41	N	1	c	30.09	+ .24	42	38	— 0	NW	4	bc	3	47	32	—	
	Malin Head ...	30.04	41	NNE	3	b	30.16	+ .25	41	37	— 0	N	2	b	2	42	37	—	
	Mullaghmore	30.03	43	NNE	4	bv	30.18	+ .28	43	39	+ 3	E	1	b	1	45	31	—	
	Belmullet ...	30.06	43	NE	3	c	30.19	+ .26	40	38	— 2	ENE	2	b	*	46	34	0.03	
	Donaghadee ...	29.99	42	NNE	3	b	30.14	+ .27	41	38	— 1	NW	3	b	1	47	35	—	
	Barrow-in-Furness	29.95	43	NW	1	bc	30.12	+ .34	38	35	— 1	N	2	b	*	48	32	—	
	Liverpool (Bidston)	29.96	39	NNW	2	b	30.10	+ .30	39	35	— 0	NNE	1	b	2	46	33	—	
	Holyhead ...	29.96	41	N	3	b	30.11	+ .30	41	38	— 0	ENE	1	bw	2	43	35	—	
	Parsonstown ...	29.99	45	NE	1	c	30.15	+ .27	32	30	— 4	Z	0	b	*	49	26	—	
	Valencia ...	29.98	45	NNE	3	bp	30.10	+ .22	41	37	— 3	NE	5	bm	5	52	35	0.02	
FRANCE & NETHERLANDS.	Roche's Point...	29.96	44	E	3	c	30.10	+ .29	39	37	— 0	ENE	4	b	3	45	32	0.04	
	Pembroke ...	29.91	42	NE	3	c	30.04	+ .27	38	36	— 3	NE	3	b	3	46	36	—	
	Seilly ...	29.85	45	ENE	3	bc	29.94	+ .16	43	41	— 2	ENE	6	cm	4	48	41	—	
	Prawle Point ...	29.90	42	Z	0	c	30.00	+ .22	39	36	— 6	ENE	5	og	4	51	34	0.10	
	Jersey ...	29.88	48	N	2	bc	29.96	+ .16	44	42	— 0	ENE	4	om	3	50	39	—	
	Burgh Castle ...	29.89	41	SE	1	m	30.04	+ .29	38	38	— 2	ENE	2	omd	2	44	38	0.03	
	Dungeness ...	29.84	41	WNW	2	o	30.00	+ .33	38	36	— 1	NNE	2	c	1	44	34	0.01	
	London ...	29.88	43	N	1	o	30.03	+ .30	38	35	— 1	NNE	1	bc	*	45	35	—	
	Oxford ...	29.94	44	N	1	o	30.07	+ .32	37	36	— 2	N	2	bc	*	46	33	—	
	Cambridge ...	29.89	44	N	1	o	30.04	+ .29	39	38	— 1	N	1	c	*	46	30	0.02	
PENINSULA.	Yarmouth ...	29.88	41	N	3	b	29.98	+ .34	39	38	— 0	N	3	bc	3	44	36	—	
	Cuxhaven ...	29.70	40	WNW	1	f	29.84	+ .22	39	38	— 1	WNW	2	f	*	47	36	—	
	Berlin ...	29.73	47	SW	1	c	29.84	+ .17	43	40	— 1	W	3	a	*	54	39	—	
	Wiesbaden ...	*	*	*	*	*	29.97	+ .28	42	39	+ 2	SW	3	b	*	48	39	0.12	
	Munich ...	29.94	40	SW	4	bc	30.02	+ .20	40	37	+ 2	SW	3	bc	*	48	41	—	
	The Helder ...	29.80	38	N	1	c	29.93	+ .31	37	36	— 0	NW	1	o	2	41	37	—	
	Brussels ...	*	*	*	*	*	30.01	+ .36	39	38	— 3	WSW	1	o	*	46	37	—	
	Cape Gris Nez...	29.84	42	WSW	1	f	29.99	+ .36	39	38	— 9	NE	4	bc	3	46	39	—	
	Paris ...	29.90	43	Z	0	o	29.99	+ .25	35	35	— 8	SW	1	o	*	51	32	0.04	
	Brast ...	29.89	48	SE	3	bc	29.87	+ .06	39	38	— 5	E	3	bc	2	50	37	—	

For Explanation of Columns, see p. 4.

WEATHER

CHARTS

for 8 a.m. on

Sunday, 1st April

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

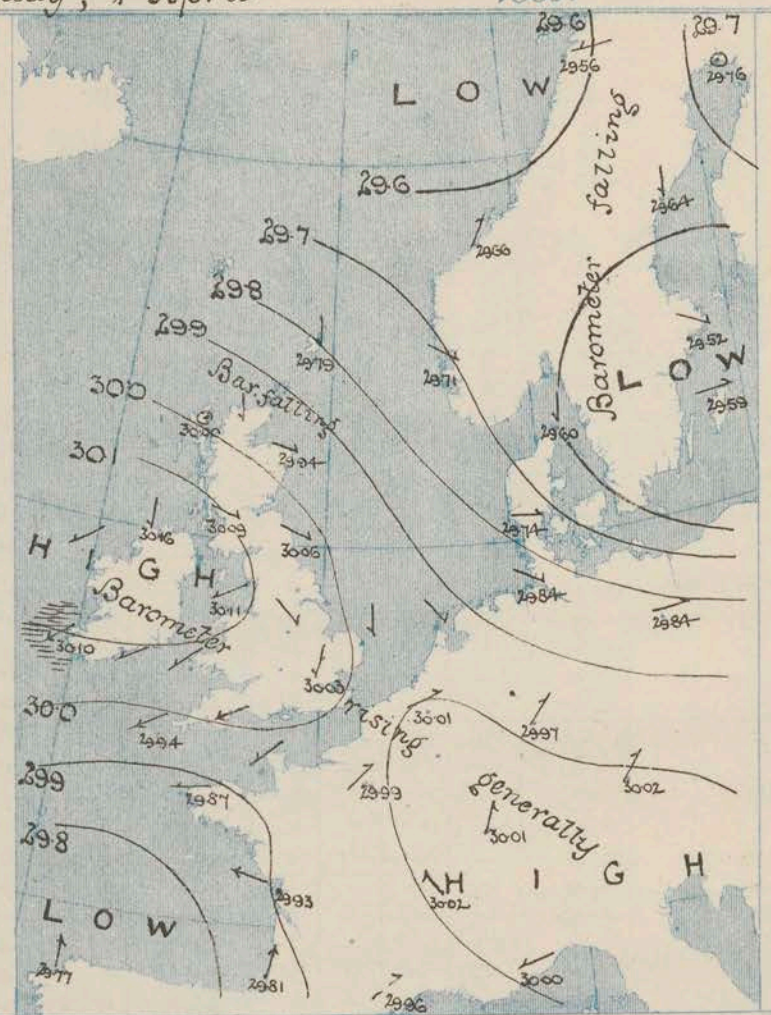
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 * — forces above 10; * — forces 8 to 10;
 * — forces 5 to 7; * — forces 1 to 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 April.
 During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.879
Ardrossan	29.857
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Roche's Point	29.838
Pembroke	29.844
Scilly	29.849
Jersey	29.867
Hurst Castle	29.867
Dover	29.866
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



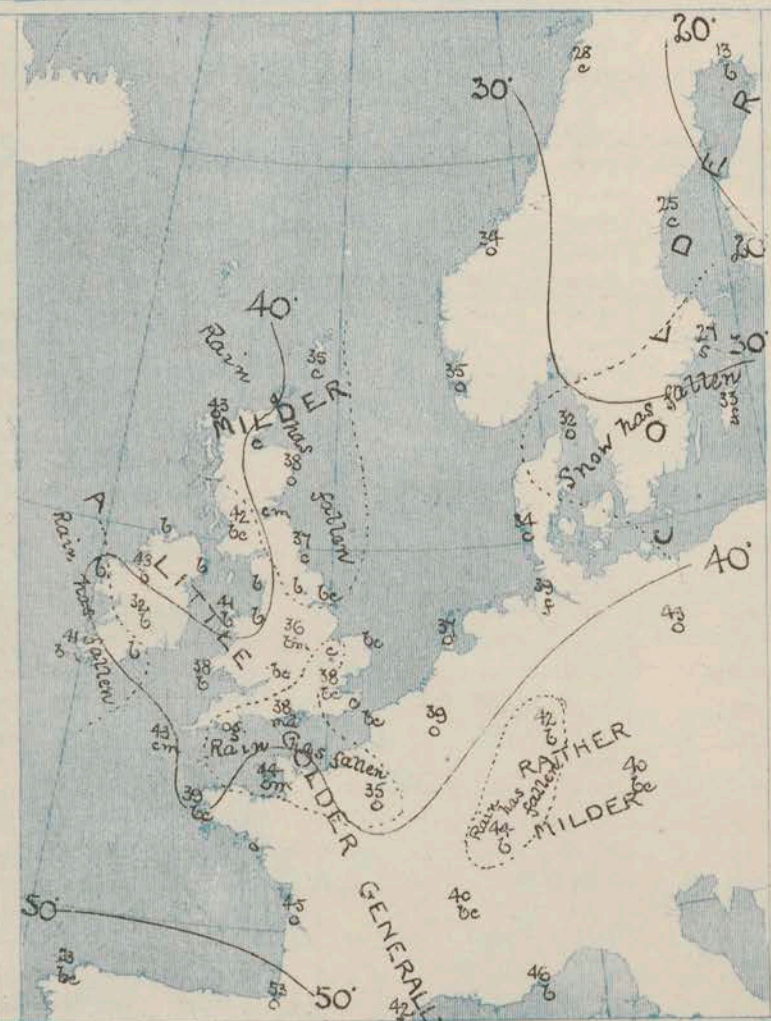
TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

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 April.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	46.3	37.3	41.0	40.5	2.16
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	49.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.6	38.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	42.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	42.6	1.77
Ardrossan	52.1	39.0	44.8	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	46.2	44.2	1.86
Liverpool	53.0	40.7	45.5	42.6	1.56
Parsonstown	55.0	38.3	45.7	43.0	2.15
Valencia	54.3	42.9	48.4	46.9	4.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	52.5	45.0	49.0	47.1	2.45
Jersey	54.6	43.6	49.0	46.4	2.04
Hurst Castle	52.3	41.4	45.9	44.6	1.87
Dover	51.5	42.4	47.1	44.5	1.81
LONDON	56.7	40.0	46.8	43.8	1.86
Oxford	55.1	39.3	45.0	42.7	1.79
Cambridge	56.2	37.7	45.5	43.3	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.10 ins: to 30.13 ins: over Ireland, the Irish Sea, and North Wales.</p> <p>Lowest, 29.5 ins: near Stockholm, 29.6 ins: in the northwest of Norway, 29.8 ins: and less over Portugal and the west of Spain.</p> <p>Gradient moderate and variable. Barometer falling in Spain and over the Baltic, rising over our Islands and Germany.</p>
TEMPERATURE	<p>Highest, 53° at Messina and Biarritz, 49° at Lisbon, 46° at Nice, 44° at Jersey, 43° at Berlin and Kiel, 41° at Valencia and Marseilles.</p> <p>Lowest, 13° at Haparanda, 27° at Stockholm, 32° at Paris, 35° at the Azores, 36° at Loughborough and 38° in London.</p> <p>Still considerably below the average, especially in Ireland.</p>
WIND	<p>Light to moderate from the NW. at our northern stations and over the North Sea.</p> <p>Moderate NE in the Channel — E over the Bay of Biscay.</p> <p>SW to W in Germany — Variable elsewhere.</p>
WEATHER	<p>Very fine and dry in the west, — and also over the greater part of England.</p> <p>Cloudy and dull elsewhere, with slight rain at Hunt Castle, and snow at Shields.</p> <p>On the Continent the weather varies very much locally.</p>
SEA	<p>Rather rough at Valencia, moderate at the mouth of the Channel, and at Loughborough H., slight or smooth elsewhere.</p>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The fall of the barometer over Spain does not seem to be spreading much. Over the British Isles and France the conditions are much more favourable than of late.

FORECASTS

for the 24 hours ending at NOON on 2nd April 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.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes ...	29.65	40	37	NW	4	c	3	Holyhead ...	29.92	43	38	NNE	4	b	4
Sumburgh Head ...	29.87	39	37	NNE	4	c	4	Valencia ...	29.94	49	43	NE	4	bm	4
Stormoway ...	30.00	43	44	NE	4	bc	3	Sailly ...	29.84	46	43	NE	2	bc	3
Aberdeen ...	29.86	43	40	NNE	5	cp	5	Dungeness ...	29.79	43	40	N	2	o	2
Shields ...	29.92	45	41	NNW	5	c	4	London ...	29.87	45	41	NW	2	o	*
Ardrossan ...	29.91	47	41	N	1	c	1	Yarmouth ...	29.76	43	40	N	3	bc	3
Malin Head ...	29.98	42	38	N	3	b	3	Jersey ...	29.86	49	44	W	3	bc	3
Mullagumore ...	29.98	46	41	NE	4	cv	2	Rocheport ...	29.99	52	47	W	5	c	2
Palmullet ...	30.02	46	41	NE	3	bc	*								

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

Yesterday morning's observations showed a somewhat peculiar distribution of pressure over Europe. Readings varied from between 30.0 ins. and 30.2 ins. over Southern Russia, the Mediterranean and Algeria, and from 29.9 ins. in the west of Ireland to between 29.5 ins. and 29.7 ins. in a depression which covered the North Sea, Denmark, the south of Sweden and the Baltic, and to 29.5 ins. and less in a still larger system lying over the White Sea and extreme northeast of Europe. The first named of these disturbances was falling up, and the barometer was rising generally over all the western countries. N² (NE to NW) winds were prevalent over Scandinavia, the British Isles, the Bay of Biscay and France, and SW² to S² over Germany and the Baltic. The weather was cloudy and showery in many places, but had cleared up in Scotland and Ireland, and the thermometer was low. Temperature varied from several degrees below the freezing point in Lapland, Finland, and the northern parts of Sweden and Norway to between 40° and 45° over the western parts of the United Kingdom, and to between 50° and 60° over Southern and Southeastern Europe. The lowest individual (8 a.m.) readings were 19° at Napavanda, 22° at Rodo and Uleaborg, 26° at Herneband, 31° at Gorder and Oxo, 32° at Hango, and between 36° and 40° on our northeast coasts; the highest were 63° at Birtkha and Ifox (Algeria) and also at Cagliari and Brindisi, 59° at Palermo, 57° at Catania, 51° at Hermannstadt, 50° at San Fernando, Oporto and Rudesperth. In no part of the British Isles did the temperature exceed 45°.

Later on the weather became still finer over the United Kingdom, but the night was cold, and in many places, frosty.

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 2nd April

1888.

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

		† YESTERDAY EVENING.						3 A.M. TO DAY.						PAST 24 HOURS.					
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.		WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
				Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.			Force (0 to 12.)	Max.		Min.	
SCANDINAVIA.	Haparanda ..	29.26	22	NE	4	5	29.32	— .04	18	17	+ 5	Z	0	b	*	27	?	0.28	
	Hernösand ...	29.43	28	N	2	0	29.42	— .22	32	23	+ 7	Z	0	o	*	36	19	—	
	Stockholm ...	29.38	28	NE	2	5	29.37	— .15	26	25	— 1	Z	0	s	*	34	25	0.12	
	Wisby ...	29.48	34	WSW	4	0	29.39	— .20	24	32	+ 1	SW	4	s	*	37	30	0.12	
	Bodö ...	29.42	27	S	2	0	29.48	— .08	27	25	— 1	N	6	c	3	34	21	—	
	Christiansund...	29.52	33	NNW	3	C	29.63	— .06	31	30	— 3	NNW	1	c	3	34	28	0.08	
	Skudesnaes ...	29.61	34	NNW	2	b	29.54	— .17	24	33	— 1	NNW	6	b	4	39	34	—	
	Christiania Fjord (Førder)	29.47	31	W	2	0	29.47	— .15	28	27	— 2	NNW	3	c	1	32	33	—	
	Skagen (The Scaw)	29.47	31	Z	0	0	29.45	— .15	31	31	— 1	NE	1	c	0	36	28	0.04	
	Fanö ...	29.60	33	WSW	4	0	29.58	— .24	35	34	+ 1	W	2	c	*	37	32	0.04	
BRITISH ISLANDS.	Sumburgh Head	29.67	40	SW	2	r	29.79	.00	35	33	0	N	3	osp	4	41	31	0.06	
	Stornoway ...	29.80	44	NNW	4	c	29.87	— .04	43	42	+ 2	NNW	5	b	2	50	34	0.05	
	Wick ...	29.87	45	W	4	c	29.88	— .10	37	36	— 1	WNW	4	o	3	49	36	0.05	
	Nairn ...	29.86	44	NNW	5	cp	29.81	— .13	38	36	0	NNW	4	c	2	47	36	0.07	
	Leith ...	29.95	39	NNW	4	c	29.85	— .21	46	40	+ 10	NNW	2	b	*	49	35	—	
	Shields ...	29.94	45	W	3	o	29.78	— .27	42	40	+ 5	N	3	o	3	48	36	0.02	
	Spurn Head ...	29.96	44	WNW	3	b	29.76	— .24	42	40	+ 5	WNW	4	c	3	45	35	—	
	York ...	30.01	47	W	2	b	29.78	— .30	45	42	+ 7	N	3	o	*	50	37	—	
	Loughborough	30.03	45	W	2	c	29.82	— .24	40	38	+ 4	WSW	4	c	*	52	35	—	
	Ardrossan ...	29.97	45	W	4	o	29.84	— .25	45	41	+ 3	NNW	3	b	2	46	41	—	
GERMANY.	Malin Head ...	30.01	44	WNW	3	b	29.97	— .19	43	42	+ 2	NNW	3	cm	3	47	41	0.01	
	Mullaghmore ...	30.10	45	WNW	3	b	30.01	— .17	44	43	+ 1	NNW	4	omp	2	49	41	—	
	Belmullet ...	30.20	45	NNW	3	b	30.05	— .14	46	45	+ 6	NNW	2	o	*	46	38	0.03	
	Donaghadee ...	30.10	47	NNW	3	b	29.89	— .25	45	43	+ 4	N	6	b	4	49	40	0.01	
	Barrow-in-Furness	30.04	44	NNW	3	b	29.84	— .28	43	42	+ 5	NW	5	c	*	46	38	0.01	
	Liverpool (Bidston)	30.07	40	W	3	b	29.85	— .25	41	41	+ 2	W	7	o	4	48	37	0.03	
	Holyhead ...	30.11	41	WNW	2	b	29.82	— .19	42	42	+ 1	WNW	5	c	4	44	38	—	
	Parsonstown ...	30.13	49	Z	0	b	30.05	— .10	39	38	+ 7	Z	0	o	*	49	30	—	
	Valencia ...	30.13	48	NE	4	b	30.12	+ .02	44	42	+ 3	NNE	1	bm	1	50	34	—	
	Roche's Point...	30.12	44	SSE	4	b	30.07	— .03	40	39	+ 1	N	3	b	3	47	33	—	
FRANCE & NETHERLANDS.	Pembroke ...	30.08	40	NNE	3	b	29.99	— .05	42	40	+ 4	NNW	2	b	2	47	35	—	
	Scilly ...	30.00	45	E	6	c	30.02	+ .08	45	42	+ 2	NE	2	b	2	47	40	—	
	Prawle Point ...	30.04	40	ENE	3	b	30.00	.00	43	38	+ 4	NNW	3	b	2	46	34	—	
	Jersey ...	29.97	46	ENE	4	b	30.00	+ .04	43	40	— 1	NE	2	bm	2	49	38	—	
	Hurst Castle ...	30.04	43	SSE	2	b	29.97	— .07	36	35	— 2	W	3	cm	2	46	33	—	
	Dungeness ...	30.00	41	ENE	3	b	29.88	— .12	38	35	0	NNW	3	c	2	45	29	—	
	London ...	30.02	45	N	1	b	29.87	— .16	42	37	+ 4	NNW	2	c	*	47	36	—	
	Oxford ...	30.07	38	Z	0	b	29.92	— .15	36	34	— 1	WSW	2	c	*	49	34	—	
	Cambridge ...	30.03	39	N	1	o	29.82	— .22	41	39	+ 2	WNW	1	o	*	50	31	—	
	Yarmouth ...	30.03	43	N	2	b	29.75	— .23	40	39	+ 1	NNW	2	ond	3	44	34	0.01	
PENIN SULA.	Cuxhaven ...	29.83	39	WNW	4	b	29.63	— .21	38	38	— 1	W	4	r	*	40	35	0.04	
	Berlin ...	29.82	40	W	3	o	29.72	— .12	35	33	— 8	SW	3	o	*	46	34	0.04	
	Wiesbaden ...	*	*	*	*	*	29.88	— .09	38	34	— 4	N	1	c	*	48	32	—	
	Munich ...	29.92	41	Z	0	o	29.86	— .16	37	37	— 3	SW	3	r	*	50	36	0.08	
	The Helder ...	*	*	*	*	*	29.88	— .13	36	35	— 3	SW	1	o	*	45	32	—	
	Brussels ...	*	*	*	*	*	29.90	— .09	38	37	— 1	WSW	5	o	4	46	36	—	
	Cape Gris Nez...	29.62	40	NE	4	b	29.90	— .09	38	37	— 1	WSW	5	o	4	46	36	—	
	Paris ...	29.97	46	NNE	1	c	29.97	— .02	36	34	+ 1	ENE	1	b	*	52	33	—	
	Brest ...	29.90	49	SE	5	r	29.96	+ .09	39	36	0	E	5	b	3	52	35	—	
	Lorient ...	29.91	50	ENE	3	b	29.94	+ .05	42	40	— 1	ENE	4	c	2	54	39	0.08	
PENIN SULA.	Roche fort ...	29.89	57	ESE	4	o	29.91	— .02	46	45	+ 1	E	5	b	2	61	41	—	
	Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	—	
	Lyons ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	—	
	Nice ...	29.98	50	ENE	1	b	29.86	— .14	46	41	0	E	1	b	0	57	39	—	
PENIN SULA.	Perpignan ...	29.87	53	SE	3	o	29.88	— .08	46	45	+ 4	WSW	3	o	*	63	40	—	
	Biarritz ...	29.78	59	S	5	o	29.82	+ .01	50	46	— 3	SE	4	b	1	66	46	—	
PENIN SULA.	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	—	
	Lisbon ...	29.70	53	ENE	4	o	29.70	— .03	51	50	+ 2	NNE	5	o	2	55	?	—	

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

WEATHER CHARTS

for 8 a.m. on

Monday, 2nd April

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.

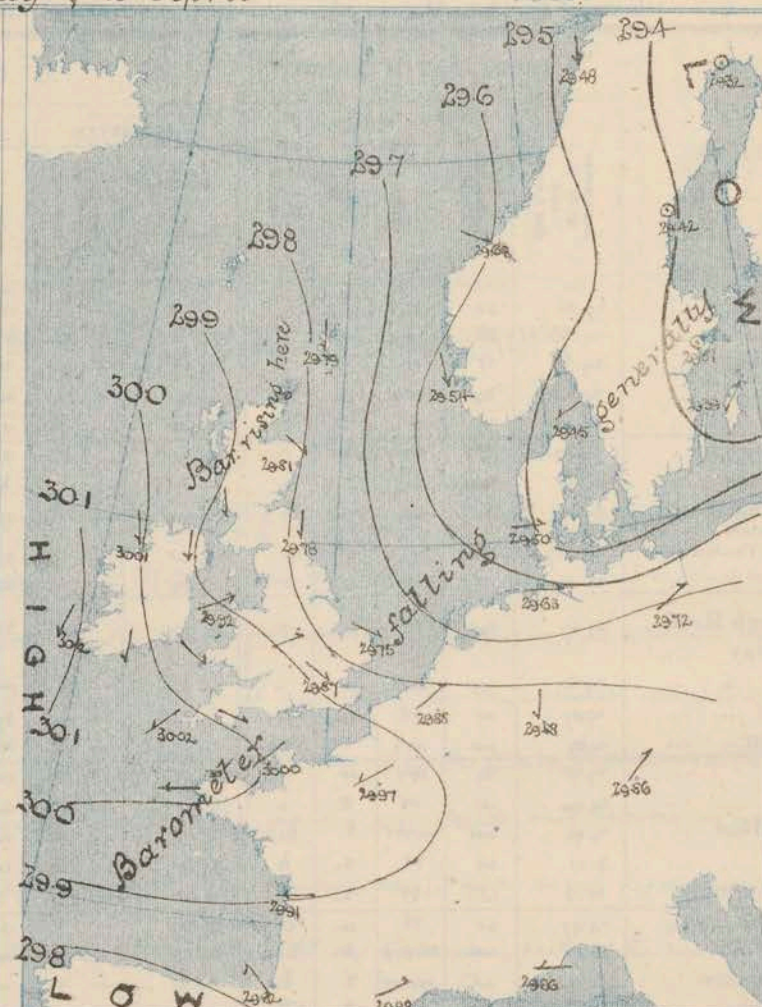
— = Rough — = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of April

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.857
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Roche's Point	29.838
Pembroke	29.844
Scilly	29.849
Jersey	29.867
Hurst Castle	29.867
Dover	29.866
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



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.

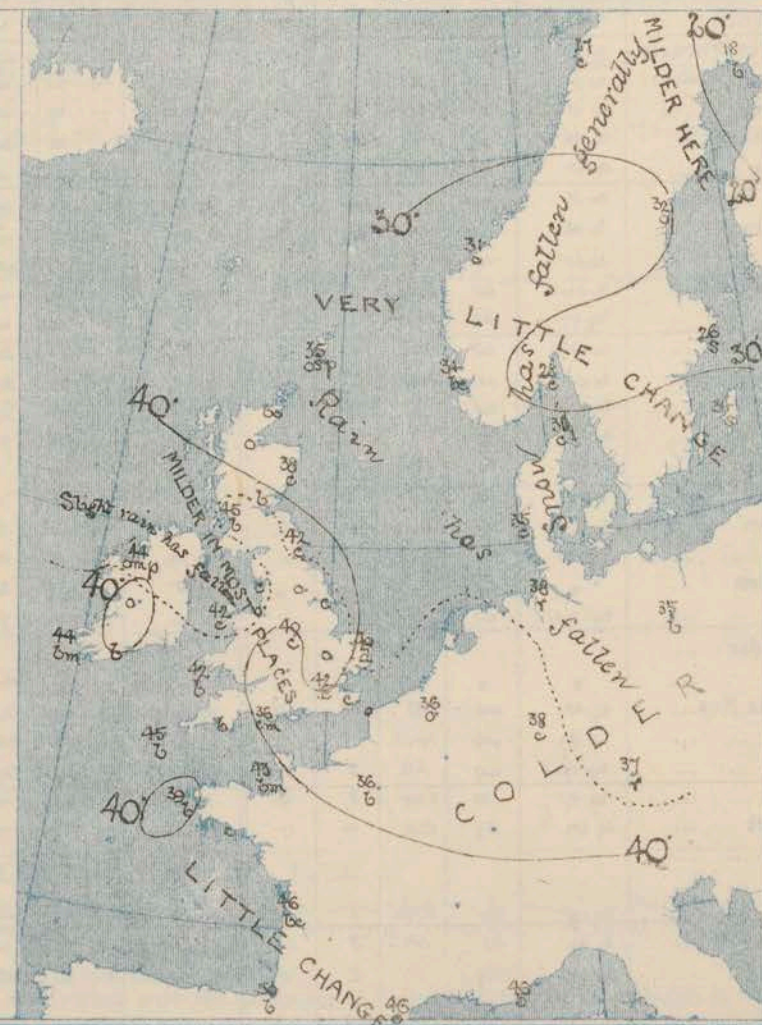
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of April

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
			Dry.	Wet.	
Sumburgh Head	46.3	37.3	41.9	40.5	2.16
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	49.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.6	38.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	42.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	42.6	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	46.2	44.2	1.86
Liverpool	53.0	40.7	45.5	42.6	1.56
Parsonstown	55.0	38.3	45.7	43.0	2.15
Valencia	54.8	42.9	48.4	45.9	4.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	52.5	45.0	49.0	47.1	2.45
Jersey	54.6	43.6	49.0	46.4	2.04
Hurst Castle	52.3	41.4	45.9	44.6	1.87
Dover	51.5	42.4	47.1	44.5	1.81
LONDON	56.7	40.0	46.8	43.8	1.86
Oxford	55.1	39.3	45.0	42.7	1.79
Cambridge	56.2	37.7	45.5	43.3	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.1 in the west of Ireland; 30.0 in at the mouth of the Channel.</p> <p>Lowest, 29.5 in over Finland and the Gulf of Bothnia. It is apparently rather low over Spain and Portugal also, but the reports from Corunna and Lisbon are not in.</p> <p>Gradients moderate. Barometer falling except in the north of our islands.</p>
TEMPERATURE	<p>Highest 50° at Biarritz, 46° in the south of France and at Bournemouth and 45° at Lill.</p> <p>Lowest 18° at Haparanda, 26° at Stockholm, 31° at Christianund and the Low, 35° at Berlin, 36° at Oporto, 37° at Paris and 39° at Constantinople.</p> <p>It is slightly higher in most places than on Sunday. Frost occurred over the central parts of England and Ireland during the night.</p>
WIND	<p>Northerly to westerly over our islands; moderate in most places, but strong over the Irish Sea.</p> <p>Easterly over the Bay of Biscay and west of France - Variable over Central France.</p> <p>North-westerly on the eastern shores of the North Sea.</p>
WEATHER	<p>Fine and bright at our south western stations and in France.</p> <p>Cloudy, more or less, elsewhere, with slight showers in some localities.</p> <p>Slight showers have fallen at several of the northern and north western stations during the past day.</p>
SEA	<p>Moderate in the Irish Channel and at Cape Gris Neg, slight or smooth elsewhere.</p>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the shallow depression in the north-west moves south-eastwards showers of rain will be felt in most parts of England, but these will probably be followed by a fine and cold night.

FORECASTS

for the 24 hours ending at NOON on 3RD APRIL 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	North-westerly and Northerly winds, moderate; some cold showers.	6 { SCOTLAND WEST	Same as N° 0.
1 { SCOTLAND EAST	----- D° ----- D° ----- D° -----	7 { ENGLAND N.W.	Same as N° 0.
2 { ENGLAND N.E.	Same as N° 5.	8 { ENGLAND S.W.	Same as N° 5.
3 { ENGLAND EAST	Same as N° 5.	9 { IRELAND NORTH	Northerly winds, light; changeable, slight showers.
4 { MIDLAND COUNTIES	Same as N° 5.	10 { IRELAND SOUTH	----- D° ----- D° ----- D° -----
5 { ENGLAND SOUTH	Westerly to Northerly winds, moderate; cloudy, some showers, then finer.		
		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.	Waa.	Sea.		Bar.	Dry.	Wet.	Wind.	Waa.	Sea.
St. John's ...	29.67	39	36	WNW 14	0	2	Holyhead ...	29.74	42	37	N 2	6	2
Glasgow ...							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						*
Ardrossan ...							Yarmouth ...						
Malin Head ...	30.15	46	42	W 3	0	2	Jersey ...	29.98	49	46	ENE 4	6	3
Mullaghmore ...							Rochefort ...	29.89	59	53	SE 5	0	2
Belmullet ...	30.27	46	44	NNE 1	6	*							

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

Continental information not yet received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 25th TO THE 31st March 1888.

The weather during this week was of a most unsettled, squally, showery character - at times very stormy. Temperature was low, heavy falls of snow occurred in the West, rain and sleet elsewhere, and in several localities thunder and lightning occurred. At its close some improvement was observed.

The week commenced with high pressure both over northern and southern Europe, and with a large, shallow and irregularly formed depression lying over the North Sea. The wind was E. and S. in Norway and Denmark, W. in France, and N. over the British Islands, temperature was low and cold showers were experienced generally.

On Monday the depression was moving northwards but an additional system then advanced across the northwest of Spain to the Bay of Biscay, causing gales in the southwest of France, and causing a continuance of the changeable showery weather referred to. On Tuesday afternoon, however, a large deep depression arrived off the west of Ireland from the Atlantic.

The minor disturbances forthwith filled up and it seemed likely that the new system would pass northeastwards. Instead of this however, it travelled southeastwards and at 8 a.m. on the 28th its centre lay about 100 miles to the southeastward of Valencia. Thus while severe S. and S.W. gales set in over the Bay of Biscay and Spain, E. gales and heavy snow appeared over the western parts of the British Isles and subsequently extended (with less force) to Scotland also. The centre then moved eastwards, reaching mid Channel on the 29th and causing the S.W. gales to veer westwards and to spread more over France, while in Ireland the wind backed to the N.W. and still blew hard; over England the wind was S.E. and less strong but rain and sleet showers fell generally.

The depression now began to fill up quickly and to move northeastwards, the barometer rose in our Islands, the wind subsided, and the weather improved, but the air remained cold, and the distribution of pressure was not of a settled type.

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, 3rd April

1888.

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

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY										FAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.	Haparanda ..	29.53	4	2	0	29.59	+ .27	7	7	- 11	2	0	b	*	30	3	-		
	Hernösand ...	29.50	26	2	0	29.63	+ .21	26	24	+ 3	N	4	0	*	36	16	-		
	Stockholm ...	29.51	26	2	0	29.60	+ .23	26	24	+ 0	N	2	c	*	34	23	-		
	Wisby ...	29.57	28	NW	2	29.58	+ .19	30	29	- 4	E	2	bc	*	34	0	-		
	Bodö ...	29.62	29	E	2	29.74	+ .26	25	22	- 2	ESE	2	b	1	32	25	-		
	Christiansund...	29.73	30	NW	6	29.76	+ .16	32	31	+ 1	NE	2	b	3	32	27	0.12		
	Skudesnaes ...	29.70	34	NW	4	29.74	+ .20	33	31	- 1	NW	5	c	3	41	33	-		
	Christiania Fjord (Fjord)	29.60	33	NW	5	29.63	+ .16	28	25	0	WNW	2	b	1	36	23	-		
	Skagen (The Scaw)	29.58	32	NNE	3	29.65	+ .20	29	27	- 2	NE	2	b	0	36	27	-		
	Faro ...	29.54	34	E	4	29.64	+ .14	29	28	- 6	N	2	b	*	39	25	0.08		
BRITISH ISLANDS.	Sumburgh Head	29.95	35	NNE	5	29.96	+ .17	34	32	- 1	NNE	3	0	4	40	32	0.01		
	Stornoway ...	30.06	37	NE	6	30.01	+ .14	36	36	- 7	N	3	bcsp	2	43	32	0.05		
	Wick ...	29.96	37	N	4	30.01	+ .18	36	36	- 7	N	3	0	3	41	32	0.11		
	Nairn ...	30.01	38	NNE	4	30.06	+ .18	35	33	- 2	NW	3	0	3	41	32	0.11		
	Aberdeen...	29.95	38	N	6	30.01	+ .20	35	33	- 3	NW	5	0	3	42	32	0.03		
	Leith ...	29.95	37	NW	2	30.05	+ .20	37	33	- 9	NW	2	cm	*	46	32	0.03		
	Shields ...	29.85	39	N	3	29.95	+ .17	37	34	- 5	N	2	c	5	45	33	0.06		
	Spurn Head ...	29.79	39	NNE	5	29.88	+ .12	38	35	- 4	NNE	6	bcgsp	4	42	32	0.04		
	York ...	29.83	38	N	3	29.96	+ .18	34	32	- 11	N	1	0	*	48	33	0.07		
	Loughborough	29.80	41	NNE	3	29.94	+ .10	35	33	- 5	N	3	cm	*	48	30	-		
GERMANY.	Ardrossan ...	29.93	41	ENE	4	30.08	+ .24	38	33	- 7	NW	2	bc	1	49	32	-		
	Malin Head ...	29.98	40	N	4	30.15	+ .18	38	34	- 5	N	2	c	1	43	36	0.01		
	Mullaghmore ...	30.00	43	N	6	30.13	+ .12	39	35	- 5	E	1	bc	1	50	33	-		
	Belmullet ...	30.06	44	NNE	6	30.15	+ .10	39	38	- 7	SW	1	0	*	49	37	-		
	Donaghadee ...	29.93	42	N	5	30.11	+ .22	40	35	- 5	NNE	6	bc	4	47	37	-		
	Barrow-in-Farness	29.85	42	NNE	3	30.01	+ .17	35	33	- 8	NE	1	bc	*	51	32	-		
	Liverpool (Bidston)	29.85	41	NE	3	30.01	+ .16	37	32	- 4	NNE	3	b	3	47	31	-		
	Holyhead ...	29.85	42	NNE	5	30.04	+ .12	38	35	- 4	NE	5	b	5	47	36	-		
	Parsonstown ...	29.96	45	NW	2	30.13	+ .08	33	30	- 6	W	0	c	*	54	27	-		
	Valencia ...	29.98	48	NW	3	30.11	- .01	40	36	- 4	NE	4	b	5	51	35	-		
FRANCE & NETHERLANDS.	Roche's Point...	29.91	49	N	3	30.04	- .03	38	35	- 2	NNE	4	b	3	51	34	-		
	Pembroke ...	29.84	44	N	3	29.98	- .01	37	35	- 5	NE	4	b	2	46	33	0.01		
	Scilly ...	29.89	45	NW	4	29.90	- .12	40	37	- 5	ENE	6	c	5	48	39	0.05		
	Prawle Point ...	29.83	44	NW	3	29.90	- .10	37	35	- 6	ENE	6	bc	5	51	39	-		
	Jersey ...	29.85	47	NW	3	29.80	- .20	39	36	- 4	NE	5	ogm	4	50	38	0.03		
	Hurst Castle ...	29.76	46	NW	3	29.88	- .09	36	35	0	NNE	6	bc	2	57	34	0.08		
	Dungeness ...	29.73	41	NE	4	29.80	- .08	37	35	- 1	NE	3	c	3	46	33	0.04		
	London ...	29.77	40	NE	1	29.87	0.00	35	33	- 7	N	2	c	*	49	32	0.03		
	Oxford ...	29.82	39	NE	2	29.92	0.00	34	32	- 2	N	3	c	*	47	30	0.06		
	Cambridge ...	29.82	39	NW	1	29.88	+ .06	36	33	- 5	N	1	b	*	48	28	0.17		
PENINSULA.	Yarmouth ...	29.72	40	N	3	29.82	+ .07	38	35	- 2	NE	4	bc	4	43	33	0.03		
	Cuxhaven ...	29.61	37	NW	5	29.63	0.00	35	34	- 3	ENE	2	0	*	41	34	0.04		
	Berlin ...	29.61	40	WSW	3	29.64	- .08	35	33	0	WNW	3	0	*	43	32	0.20		
	Wiesbaden ...	*	*	*	*	29.67	- .21	42	38	+ 4	W	1	0	*	50	38	-		
	Munich ...	29.75	40	W	1	29.65	- .21	39	38	+ 2	W	1	r	*	46	34	0.08		
	The Helder ...	29.71	36	N	3	29.74	0.00	34	33	0	N	1	c	2	41	32	0.04		
	Brussels ...	*	*	*	*	29.76	- .12	36	34	0	N	1	bc	3	45	34	0.12		
	Cape Gris Nez...	29.74	39	NE	5	29.78	- .12	36	33	- 2	ENE	7	c	5	43	34	0.08		
	Paris ...	29.78	49	NW	1	29.72	- .25	36	35	0	NE	4	rs	*	54	36	0.04		
	Brest ...	29.89	48	NE	4	29.75	- .21	40	39	+ 1	E	5	0	2	52	36	-		

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Tuesday, 3rd April

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

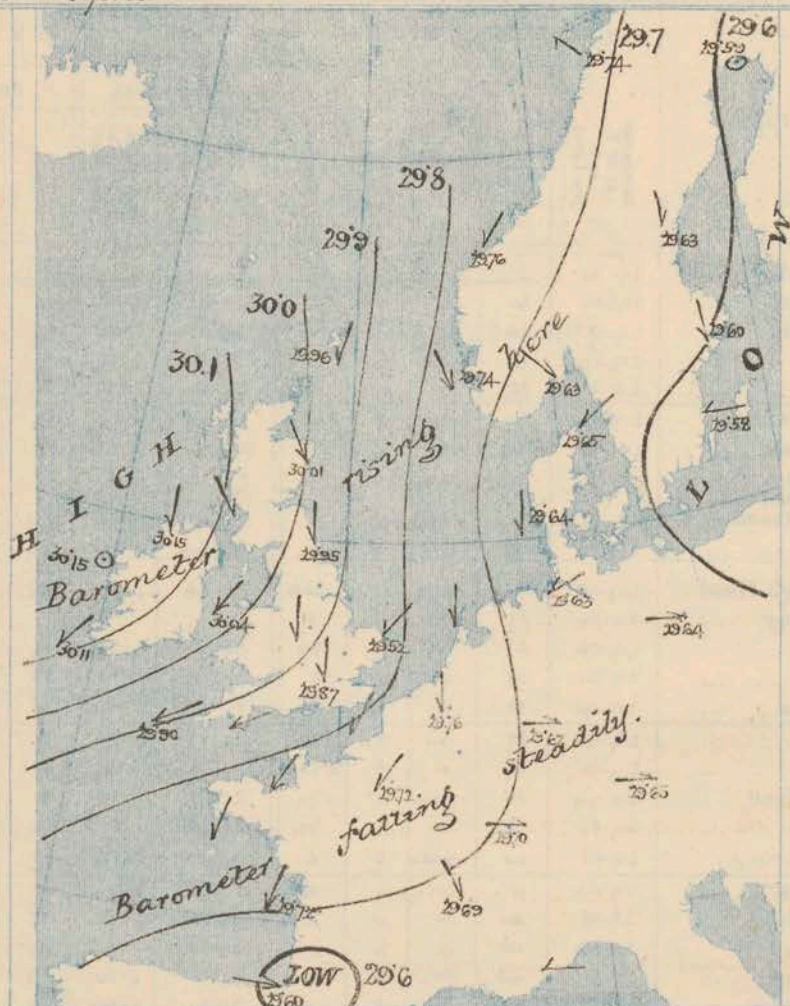
Sea Disturbance — where considerable, is shown thus.

▨ = Rough ▨ = High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
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Loughborough	29.878
Ardrossan	29.857
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Rocha's Point	29.838
Pembroke	29.844
Scilly	29.840
Jersey	29.867
Hurst Castle	29.867
Dover	29.866
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 ins: and upwards, over Ireland and the west of Scotland.
Lowest, 29.6 ins: and less, over Finland and the Baltic, and also in a small depression lying over the southeast of France.
Gradients moderate. Barometer rising at all but the French and German stations, — very slightly, however, in Scotland.

TEMPERATURE

Highest, 55° at Lisbon, 52° at Biarritz, 49° at Aix and Perpignan, 44° at Brest, 42° at Wiesbaden and Rochefort.
Lowest, 7° at Haparanda, 15° at Rode, 26° at Helsingfors and Stockholm, 28° at Tander, and 29° at Skagen and Teno.
Slight frost occurred last night in most parts of the United Kingdom.

WIND

Moderate N^W over Scandinavia, Denmark, the Netherlands, the East of France, and the north of our Islands.
Fresh or strong NE over the English Channel and north of France; strong W at Biarritz.
Light from W. in Germany, variable in the south of France.

WEATHER

Dull at several of the German and French stations with rain at Munich and Aaris.
Fair in most other localities, but snow showers reported at Wick and Spurn Head.
During yesterday showers of sleet, hail, or cold rain fell at all but our western stations.

SEA

Rather rough on the more exposed parts of the English coasts, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the night the barometric rise on our northern coasts has slackened considerably, and the present indications are in favour of the passage of small depressions down the North Sea. Squally breezes from the N^W are therefore probable, with cold showers at many of our northern and eastern stations.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	N ^W winds, strong at times; squally, some snow showers.
1	SCOTLAND EAST	D ^o D ^o D ^o
2	ENGLAND N.E.	D ^o D ^o D ^o
3	ENGLAND EAST	Same as N ^o 5
4	MIDLAND COUNTIES	Same as N ^o 5
5	ENGLAND SOUTH	N ^W and NE ^W winds, fresh; fair generally, but so-e cold showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as N ^o 0
7	ENGLAND N.W.	Same as N ^o 0
8	ENGLAND S.W.	NE ^W winds, fresh; fair generally.
9	IRELAND NORTH	Same as N ^o 0.
10	IRELAND SOUTH	Same as N ^o 8.

WARNINGS

The north cone was hoisted last evening in districts 0.1.2.6.7. and 9

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.62	40	34	NW 6	6	4	Holyhead ...	29.86	45	42	N 5	6c	5
Gumburgh Head ...	29.91	37	35	NNE 5	c	6	Valencia ...	30.03	50	47	NW 4	c	4
Stornoway ...	30.03	38	38	NE 6	r	5	Scilly ...	29.96	47	43	NW 3	6	2
Aberdeen ...	29.88	42	37	N 4	c	2	Dungeness ...	29.76	42	40	WNW 4	0	3
Shields ...	29.81	44	40	N 5	c	4	London ...	29.77	48	45	WNW 3	c	*
Ardrossan ...	29.88	46	40	NNE 4	c	2	Yarmouth ...	29.73	42	39	NW 4	6c	3
Malin Head ...	29.98	39	38	N 4	0	4	Jersey ...	29.91	44	41	WNW 2	6c	2
Mullaghmore ...	29.99	46	41	N 6	c	2	Rochefort ...	29.89	46	45	ESE 4	6c	2
Belmullet ...	30.07	49	45	NE 4	6	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that pressure then varied from between 30.0 ins. and 30.1 ins. over our western and southwestern stations and from about the same value over the southern part of Central Russia to 29.3 ins. over the Eastern part of Lapland and 29.4 ins. near Stockholm, on the one hand, and to about 29.7 ins. in the south of Portugal, on the other. Thus there were NW winds of variable strength prevailing over the British Isles and North Sea, W and SW winds over Germany, and S winds over the Gulf of Bothnia and Finland. Over Southern Europe and the Bay of Biscay, however, the wind was chiefly E and of little strength. The weather was cloudy in most places (clear in the southwest of the British Isles and many parts of France) and slight showers of cold rain, or snow were experienced occasionally at several stations. Temperature was below the freezing point (at 8 am) over Northern Europe only, though sharp frost had been experienced on the ground in several inland districts during the night. The lowest morning values recorded were 18° at Haparanda and Uleaborg, 23° at Hernösand, 25° at Kuopio, 26° at Stockholm, 35° at Berlin, 36° at Paris and Oxford and 39° at Pauometum. The highest were 65° at Kestera (Algeria), 64° at Malta, 61° at Brindisi, 59° at Bilbao, 58° at Barcelona, 54° at Lima, 51° at Lisbon, 46° at Kici, Perpignan, and Rochefort. At Funchal (Madeira) it was 62°.

Later on showers fell pretty generally over Great Britain and the weather remained unsettled, and cold for the time of year.

*The value given in yesterday's report was faulty owing to a telegraphic error.

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; n. dew; 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 4th April

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.)	Weather.		Max.	Min.	
SCANDINAVIA.	Haparanda ...	29.72	16	Z	0	b	29.84	+ .12	3	3	- 4	Z	0	b	*	30	-8	-	
	Hernösand ...	29.76	19	Z	0	b	29.88	+ .12	21	20	- 5	Z	0	c	*	39	18	-	
	Stockholm ...	29.69	24	NE	2	c	29.74	+ .05	25	25	- 1	WNW	2	s	*	34	21	0.04	
	Wisby ...	29.64	29	N	6	s	29.75	+ .11	26	25	- 4	N	4	bc	*	37	25	0.20	
	Bodö ...	29.78	26	SE	2	b	29.92	+ .14	28	25	+ 3	ENE	2	bc	1	32	19	-	
	Christiansund...	29.70	34	NE	1	b	29.84	+ .14	32	26	- 4	E	1	b	2	36	25	-	
	Skudesnaes ...	29.70	34	NNW	2	o	29.79	+ .09	32	27	- 1	E	4	b	3	41	?	-	
	Christiania Fjord (Færder)	29.68	28	NNW	2	b	29.75	+ .07	25	24	- 3	NNE	5	o	1	32	24	-	
	Skagen (The Scaw)	29.71	25	Z	0	bc	29.70	+ .01	28	26	- 1	E	1	bc	0	37	23	-	
	Fanö ...	29.66	30	SW	2	c	29.68	+ .02	29	29	0	N	4	c	*	39	25	-	
BRITISH ISLANDS.	Sumburgh Head	29.82	35	N	1	s	29.80	- .02	37	36	+ 3	Z	0	c	3	38	30	0.09	
	Stornoway ...																		
	Wick ...	29.90	38	N	3	o	29.82	- .08	38	38	+ 2	NE	2	or sp	2	40	32	0.10	
	Nairn ...	29.94	39	NNW	3	c	29.81	- .13	37	35	+ 2	NW	3	o	3	41	33	0.02	
	Aberdeen...	29.91	37	NNW	2	rf	29.77	- .14	35	34	0	NNE	1	os pm	2	41	33	0.18	
	Leith ...	29.95	40	N	2	bc	29.78	- .17	38	36	+ 1	W	1	cm	*	47	32	0.04	
	Shields ...	29.92	39	N	3	cpr	29.73	- .19	37	36	0	N	1	cp	4	42	32	0.06	
	Spurn Head ...	29.90	36	N	5	bc	29.76	- .14	35	34	- 3	NNW	3	bc	4	40	32	0.02	
	York ...	29.94	36	NW	2	c	29.77	- .17	35	34	+ 1	NNW	1	o	*	42	31	0.05	
	Loughborough	29.94	37	NNW	3	c	29.78	- .16	35	34	0	NNW	2	o	*	42	33	0.01	
GERMANY.	Ardrossan ...	29.96	42	NNW	2	bc	29.79	- .17	42	39	+ 4	NW	1	b	1	45	34	0.02	
	Malin Head ...	30.06	40	NW	3	c	29.86	- .20	37	37	+ 1	N	4	opq	4	43	38	0.02	
	Mullaghmore ...	30.10	41	NW	4	cm	29.90	- .20	43	39	+ 4	N	6	c	4	45	38	-	
	Behnullet ...	30.14	43	N	2	bc	29.96	- .18	44	39	+ 5	NNE	6	o	*	45	39	0.10	
	Donaghadee ...	30.04	40	NNE	5	bc	29.87	- .27	42	40	+ 2	NNE	5	bc	3	42	36	0.07	
	Barrow-in-Furness	29.96	40	NW	2	c	29.76	- .20	38	36	+ 3	ENE	2	b	*	45	34	-	
	Liverpool (Bidston)	29.98	39	NW	3	bc	29.78	- .20	37	36	0	SW	1	c	1	43	33	-	
	Holyhead ...	30.02	39	NNW	4	bc	29.76	- .26	37	36	- 1	NNE	4	pm	4	41	36	0.03	
	Parsonstown ...	30.11	41	NW	2	o	29.87	- .24	40	37	+ 7	NNW	2	b	*	44	32	0.28	
	Valencia ...	30.15	44	NNE	4	bc	29.91	- .24	47	44	+ 7	N	5	c	5	47	39	0.01	
FRANCE & NETHERLANDS.	Roche's Point...	30.09	43	NE	3	c	29.79	- .20	44	42	+ 6	N	5	bc	4	48	38	0.08	
	Pembroke ...	30.00	38	NNE	4	bc	29.77	- .21	39	38	+ 2	NW	2	cp	1	43	34	-	
	Scilly ...	29.98	42	NE	6	c	29.81	- .17	42	39	+ 2	NNW	5	o	4	42	39	-	
	Prawle Point ...	29.95	40	ENE	3	bc	29.87	- .08	37	35	0	NW	3	o	4	46	29	-	
	Jersey ...	29.89	42	NNE	4	b	29.81	+ .01	39	36	0	N	2	ogm	2	49	35	-	
	Hurst Castle ...	29.91	39	NNE	4	bc	29.81	- .10	34	32	- 2	NNE	2	m	1	46	31	-	
	Dungeness ...	29.84	40	NE	5	bc	29.77	- .07	34	32	- 3	N	2	bc	1	44	26	-	
	London ...	29.89	39	NNE	3	b	29.80	- .09	35	33	0	WSW	1	bm	*	44	29	-	
	Oxford ...	29.95	34	NNE	2	b	29.87	- .08	33	32	- 1	WSW	1	cps	*	44	30	0.02	
	Cambridge ...	29.91	39	N	2	c	29.78	- .13	36	34	0	NW	1	b	*	45	28	0.03	
PENINSULA.	Yarmouth ...	29.85	38	N	4	bc	29.75	- .10	35	32	- 3	NNW	3	bc	3	41	30	0.02	
	Cuxhaven ...	29.75	35	N	2	s	29.73	+ .02	34	33	- 1	NW	4	bc	*	36	32	-	
	Berlin ...	29.69	38	SW	1	b	29.66	+ .03	35	33	0	NNW	1	o	*	43	32	-	
	Wiesbaden ...	*	*	*	*	*	29.73	+ .06	35	33	- 7	N	3	b	*	45	32	-	
	Munich ...	29.66	41	Z	0	r	29.59	- .07	37	37	- 2	W	1	f	*	32	32	0.04	
	The Helder ...	29.80	34	N	1	b	29.75	+ .05	35	33	+ 1	NW	1	b	1	36	32	-	
	Brussels ...	*	*	*	*	*	29.79	+ .03	31	30	- 5	ENE	1	c	*	42	30	0.04	
	Cape Gris Nez...	29.82	36	ENE	7	b	29.78	- .04	35	33	- 1	N	4	c	3	43	34	-	
	Paris ...	29.79	39	NNE	5	o	29.76	+ .03	36	29	- 6	N	3	b	*	42	28	0.08	
	Brest ...																		
PENINSULA.	Lorient ...	29.83	31	NE	7	b	29.84	+ .01	35	33	- 6	NNE	8	c	2	50	34	-	
	Rochefort ...	29.73	45	NE	8	o	29.78	+ .05	35	33	- 7	NE	8	c	3	54	28	-	
	Belfort ...	29.66	43	NE	3	bc	29.65	- .01	33	31	- 11	NE	4	c	*	52	29	0.08	
	Lyons ...	29.62	45	N	3	r	29.61	- .01	35	35	- 5	NNW	3	r	*	56	35	0.55	
	Nice ...	29.67	48	Z	0	o	29.62	- .05	49	47	0	Z	0	c	2	57	45	0.04	
	Perpignan ...	29.59	52	NE	1	o	29.50	- .09	48	45	- 1	NE	1	o	*	57	45	0.04	
	Biarritz ...	29.65	52	NNE	5	o	29.64	+ .01	46	43	- 6	NE	5	o	2	55	43	0.12	
	Corunna ...	*	*	*	*	*													
	Lisbon ...	29.74	53	NNW	7	b	29.80	+ .06	50	46	- 5	NNW	4	c	5	63	48	-	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Wednesday, 4th April.

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.

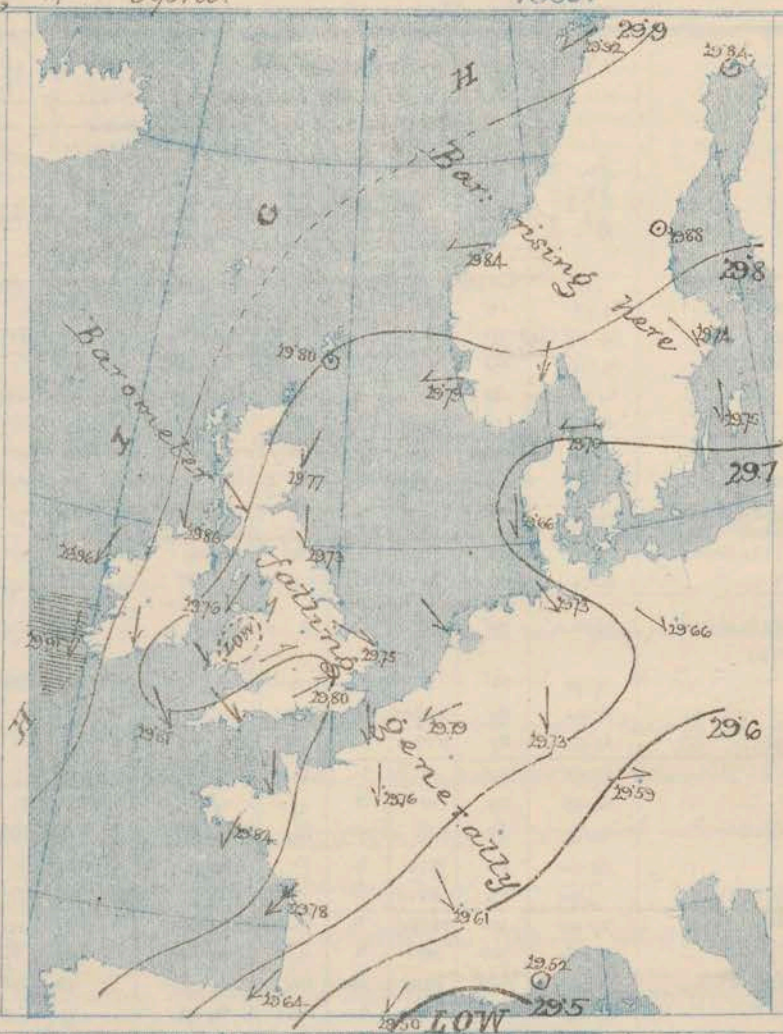
— Rough — High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS	MEAN READINGS.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.857
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Rocha's Point	29.838
Pembroke	29.844
Scilly	29.849
Jersey	29.897
Hurst Castle	29.867
Dover	29.866
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



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.

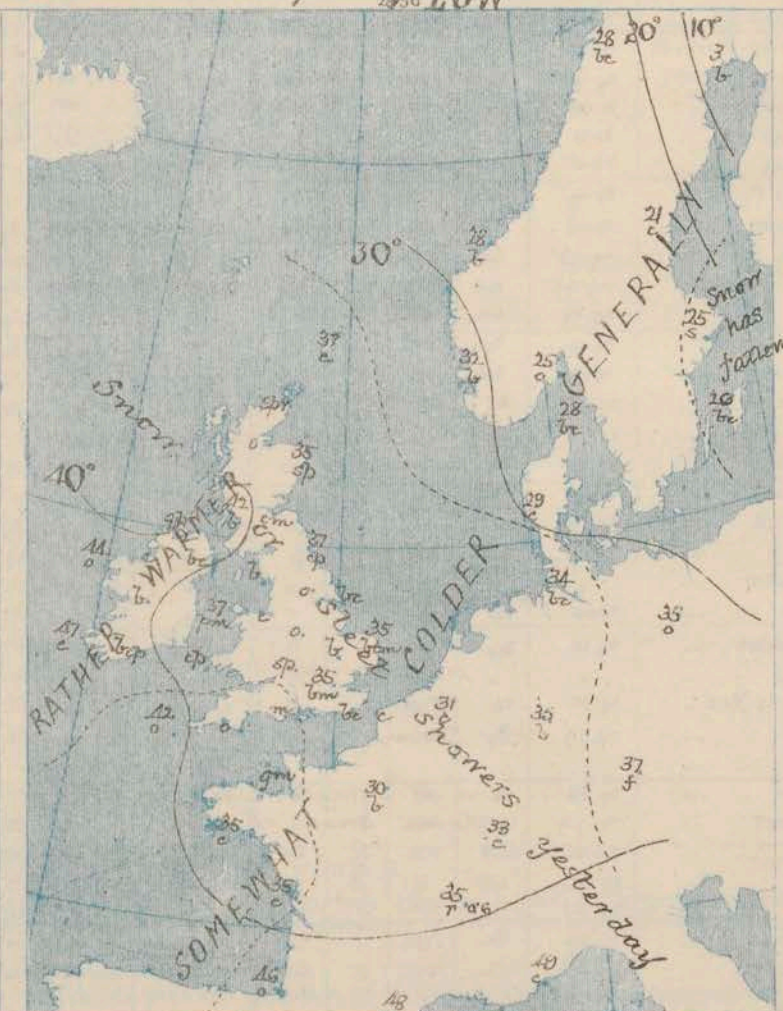
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	46.3	37.3	41.9	40.5	2.16
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	49.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.6	38.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	42.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	42.6	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	46.2	44.2	1.86
Liverpool	53.0	40.7	45.5	42.6	1.56
Parsonstown	55.0	39.3	45.7	43.0	2.15
Valencia	54.3	42.9	48.4	45.9	4.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	52.5	45.0	49.0	47.1	2.45
Jersey	54.6	43.6	49.0	46.4	2.04
Hurst Castle	52.3	41.4	45.9	44.6	1.87
Dover	51.5	42.4	47.1	44.5	1.81
LONDON	56.7	40.0	46.8	43.8	1.86
Oxford	55.1	39.3	45.0	42.7	1.79
Cambridge	56.2	37.7	45.5	43.3	1.78
Yarmouth	49.5	40.4	45.1	43.4	1.80

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 29.5 ins. and upwards, in the west of Ireland and also in the north of Norway. ^{off the N.E. of England} Lowest, 29.5 ins. and less, in a depression lying over the Gulf of Lyon. A shallow disturbance is lying over Wales & Lancashire. Gradients slight generally. Barometer falling at all but the Scandinavian stations, - most on our western coast.
TEMPERATURE	Highest, 50° at Lichow, 49° at Nice, 48° at Perpignan, 47° at Valencia and 46° at Biarritz. Lowest, 3° at Haparanda, 21° at Hermand, 26° at Stockholm and Linder, 26° at Wisby and 28° at Riga and ^{Christiania} . Frost occurred last night at all but our western stations; in London the thermometer on the grass fell to 23°.
WIND	Chiefly N. (N.W. to N.E.); fresh or strong in force on the west coast of our islands and France, but light or moderate elsewhere. Light from the E. in Norway and from W. over Germany and our southern midland counties.
WEATHER	Varying greatly in different localities, but changeable and unsettled generally, with showers of sleet or cold rain in many parts of our islands, snow at Stockholm and rain at Lyon. Snow or sleet showers fell yesterday at nearly all stations, but in the extreme south of England no measurable amount was registered.
SEA	Rather rough at Valencia, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The small depressions which are lying respectively over Wales and off the northeast of England will probably travel slowly in a southeasterly or southerly direction, and snow showers are therefore likely at all our southern stations. There are at present no indications of any important change in the wind.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	N.E. winds, freshening; unsettled, some snow showers.	6 { SCOTLAND WEST	Same as N ^{os} 0 and 1.
1 { SCOTLAND EAST	.....D.....D.....D.....	7 { ENGLAND N.W.	Same as N ^{os} 0 and 1.
2 { ENGLAND N.E.	N. to N.E. winds, force doubtful; unsettled, some snow showers.	8 { ENGLAND S.W.	N. winds, fresh or strong, unsettled, some cold showers.
3 { ENGLAND EAST	Same as N ^o 5.	9 { IRELAND NORTH	N. and N.E. strong winds or gales; squally, some showers.
4 { MIDLAND COUNTIES	Same as N ^o 5.	10 { IRELAND SOUTH	Same as N ^o 8.
5 { ENGLAND SOUTH	N.W. and N. breezes, light; unsettled, some snow or sleet.	WARNINGS	The NORTH CONE is still flying in districts 6, 7 and 9, but have been lowered in 0 to 2. 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.		
Skibbereen ...	29.91	41	35	NNW	2	c	3	Holyhead ...	30.05	41	36	N	4	b	4
Samburgh Head ...	29.92	36	35	N	3	c	4	Valencia ..	30.15	46	39	N	4	c	4
Stormoway ...								Scilly ...	29.96	42	39	NE	6	bc	5
Aberdeen ...	29.97	41	38	NNW	5	c	3	Dungeness ...	29.82	43	37	NE	5	c	4
Shields ...	29.98	42	37	N	4	csp	6	London ...	29.89	42	37	NNE	4	csp	5
Ardrrossan ...	29.94	42	38	NNW	2	bc	1	Yarmouth ...	29.88	41	37	N	5	bc	5
Malin Head ...	30.12	41	37	N	2	c	2	Jersey ...	29.88	43	37	NE	5	bc	4
Mullaghmore ...	30.14	41	37	NN	4	ov	2	Rocheport ...	29.77	51	47	NNE	5	c	2
Belmullet ...	30.17	45	40	NNE	3	bc									

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that pressure, (which had increased over the British Islands and Scandinavia, but fallen over France and southern Europe) varied from a little above 30.1 ins. over the west of Ireland, and from about 30.0 ins. over Central Russia, to about 29.6 ins. in three shallow depressions which lay - one over Lapland, another over the southwestern parts of the Baltic, and the third over Spain - in a broad band of low pressure (or trough) stretching southwestward from northern Europe to Spain and Africa. To the westward of this band N.W. (NE to NW) breezes were prevalent, with cold weather - fine in Ireland and France but with slight cold showers over the North Sea and our north and east coasts. To the eastward the winds were S.W. and the weather as a whole was fair, though slight showers were reported at times in a few places. Temperature was low generally for the time of year; but, although sharp ground frosts had occurred in several places during the night, the frost at 8 a.m. was confined to Scandinavia, Finland and Lapland, but appeared to be spreading southwards again. The lowest individual values at 8 a.m. were 7° at Haparanda, 20° at Uleaborg, 25° at Bodö, 26° at Hernösand, 29° at Luleå, 34° at Opatz, and 35° at some of the Scotch and German stations. The highest were 65° at Cagliari, 64° at Algiers, 61° at Malta and Brindisi, 55° at Oporto and Lisbon, 54° at Langunnaire, 52° at Biarritz and Lescar, and 50° at Harmanstadt, 49° at Nice and Perpignan. In the British Islands nearly all the values were below 40°. Little change occurred during the day.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for *Thursday, 5th April 1888.*
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.95	24	7	6	0	29.89	+0.05	20	20	+17	NE	2	0	*	32	-2	-	
	Hernösand ...	29.95	23	7	0	0	29.95	+0.07	27	26	+6	7	2	bc	*	37	5	-	
	Stockholm ...	29.86	24	7	0	0	29.95	+2.1	21	20	-4	7	0	0	*	32	21	-	
	Wisby ...	29.89	24	7	2	0	29.96	+2.1	26	25	0	7	2	0	*	30	21	-	
	Bodö ...	30.02	27	E	2	0	30.01	+0.09	24	?	-4	E	2	0	1	32	19	-	
	Christiansund...	29.96	29	NNE	1	0	30.03	+1.9	29	29	+1	ENE	1	0	3	34	25	-	
	Skudesnaes ...	29.96	33	NW	2	0	30.04	+2.5	32	29	0	ENE	2	0	2	41	32	-	
	Christiania Fjord (Færder)	29.89	31	N	2	0	30.01	+2.6	29	26	+2	NNE	5	0	1	32	23	-	
	Skagen (The Scaw)	29.88	28	NE	2	0	29.99	+2.9	29	29	+1	NE	1	bc	0	34	29	-	
	Fanö ...	29.89	28	NW	2	0	29.99	+3.1	32	30	+3	N	4	0	*	36	29	-	
BRITISH ISLANDS.	Sumburgh Head	29.98	38	NE	1	0	30.11	+3.1	37	36	0	N	1	0	2	42	30	-	
	Stornoway ..	30.02	42	NE	6	bc													
	Wick ...	30.01	40	NE	2	bc	30.16	+3.4	40	39	+2	NW	2	0	1	45	29	0.03	
	Nairn ...	29.98	40	NE	1	c	30.16	+3.5	35	34	-2	SW	1	0	1	45	31	-	
	Aberdeen...	29.96	39	ENE	2	0	30.16	+3.9	36	34	-3	NW	2	0	2	42	32	0.04	
	Leith ...	29.95	40	NW	1	c	30.16	+3.8	41	37	+3	NW	1	0	*	43	33	0.01	
	Shields ...	29.92	36	NE	2	CTSp	30.11	+3.8	37	35	0	N	1	0	2	42	31	0.07	
	Spurn Head ...	29.87	39	NE	2	bc	30.08	+3.2	37	35	+2	NNE	2	bc	3	41	33	-	
	York ...	29.88	37	NE	1	r	30.10	+3.3	35	32	0	NW	1	0	*	45	30	0.01	
	Loughborough	29.84	42	NE	1	c	30.10	+3.2	36	35	+1	NNE	2	cm	*	46	33	-	
GERMANY.	Ardrossan ...	29.91	44	NNE	2	0	30.18	+3.9	41	38	-1	NW	1	0	1	45	32	-	
	Malin Head ...	29.93	41	NNE	4	Op	30.21	+3.5	42	40	+3	NE	2	0	1	42	39	-	
	Mullaghmore...	29.98	42	N	6	c	30.21	+3.1	40	38	-3	N	2	bc	2	44	30	-	
	Belmullet ...	30.01	23	NE	5	0	30.24	+2.8	43	41	-1	NNE	4	0	*	45	34	0.10	
	Donaghadee ...	29.94	44	NNE	4	bc	30.20	+3.9	40	38	-2	NE	3	0	1	46	40	-	
	Barrow-in-Furness	29.88	42	NE	3	0	30.14	+3.8	38	34	0	N	2	0	*	44	32	-	
	Liverpool (Bidston)	29.88	42	NW	2	c	30.15	+3.7	38	34	+1	NNE	1	0	2	42	32	-	
	Holyhead ...	29.89	41	NNE	3	0	30.15	+3.9	41	37	+4	NE	3	bc	2	42	36	0.02	
	Parsonstown ...	29.94	41	N	2	c	30.22	+3.5	31	30	-9	N	0	0	*	46	29	0.01	
	Valencia ...	29.95	47	N	5	c	30.23	+3.2	43	39	-4	NNE	1	bc	2	50	33	-	
FRANCE & NETHERLANDS.	Roche's Point...	29.91	42	E	4	Op	30.15	+3.6	37	37	-7	N	3	bc	3	49	35	0.12	
	Pembroke ...	29.85	41	NE	2	bc	30.10	+3.3	39	38	0	ENE	2	0	1	43	37	0.04	
	Seilly ...	29.79	41	ENE	4	c	30.05	+2.4	44	40	+2	NNE	5	cm	4	44	36	0.21	
	Prawle Point ...	29.78	38	ENE	3	bc	30.05	+2.4	37	36	0	ENE	5	OTS	2	44	29	-	
	Jersey ...	29.79	41	ENE	2	cm	30.00	+1.9	40	36	+1	ENE	3	bc	3	45	35	0.01	
	Hurst Castle ...	29.84	39	NNE	2	0	30.04	+2.3	36	35	+2	NE	4	c	2	41	34	-	
	Dungeness ...	29.78	39	E	4	0	29.97	+2.0	37	35	+3	E	4	shp	3	43	32	-	
	London ...	29.83	39	NE	1	og	30.05	+2.5	36	33	+1	NE	2	0	*	41	32	-	
	Oxford ...	29.90	35	ENE	1	c	30.07	+2.6	38	35	+5	NE	3	0	*	44	33	-	
	Cambridge ...	29.88	39	NE	1	c	30.08	+3.0	37	34	+1	NNE	1	0	*	45	28	-	
PENIN- SULA.	Yarmouth ...	29.83	38	ENE	2	0	30.03	+2.8	36	34	+1	ENE	4	0	4	40	33	-	
	Cuxhaven ...	29.87	32	NW	4	S	30.01	+2.8	39	32	-1	NNE	4	0	*	35	30	-	
	Berlin ...	29.83	40	NNE	1	bc	29.87	+2.1	33	30	-2	N	4	0	*	43	32	-	
	Wiesbaden ...	*	*	*	*	*	29.76	+0.3	38	33	+3	N	5	0	*	46	35	-	
	Munich ...	29.61	40	NW	3	0	29.54	-0.5	36	36	-1	N	4	0	*	45	36	0.04	
	The Helder ...	29.89	35	NE	1	0	30.03	+2.8	34	31	-1	NE	4	c	3	43	34	-	
	Brussels ...	*	*	*	*	*	29.95	+1.6	32	30	+1	NNE	3	c	*	43	30	-	
	Cape Gris Nez...	29.80	37	NE	5	0	29.94	+1.6	37	35	+2	NE	7	c	5	45	34	-	
	Paris ...	29.73	39	NE	4	0	29.84	+0.8	34	31	+4	NNE	7	0	*	44	31	-	
	Brest ...	29.80	39	N	0	0	30.00	+1.8	34	33	-2	ENE	3	0	1	46	32	0.20	

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on

Thursday, 5th April

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.

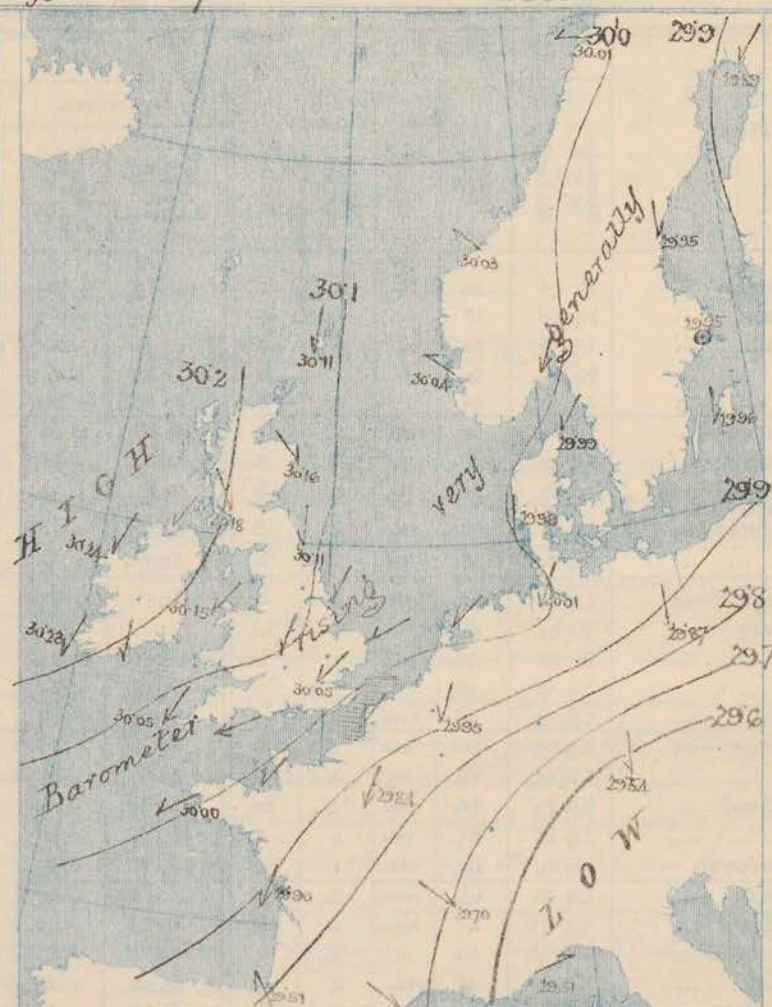
— Rough — High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.857
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Roches Point	29.838
Pembroke	29.844
Scilly	29.840
Jersey	29.867
Hurst Castle	29.867
Dover	29.866
LONDON.	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



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.

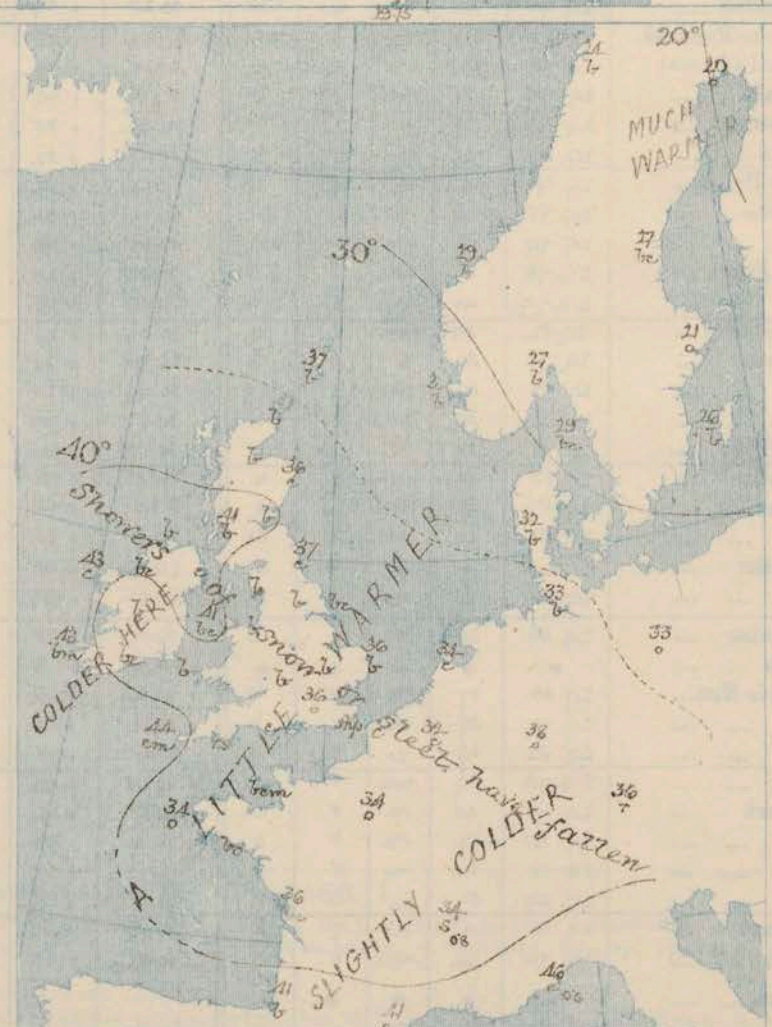
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of April.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	46.3	37.3	41.0	40.5	2.16
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	49.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.6	38.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	42.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	42.6	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	46.2	44.2	1.86
Liverpool	53.0	40.7	45.5	42.6	1.66
Parsonstown	55.0	38.3	45.7	43.0	2.16
Valencia	54.3	42.9	48.4	45.9	4.01
Roches's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	52.5	45.0	49.0	47.1	2.45
Jersey	54.6	43.6	49.0	46.4	2.04
Hurst Castle	52.3	41.4	45.9	44.6	1.87
Dover	51.5	42.4	47.1	44.5	1.81
LONDON	56.7	40.0	46.8	43.8	1.86
Oxford	55.1	39.3	45.0	42.7	1.79
Cambridge	56.2	37.7	45.5	43.3	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins. and upwards over Ireland and the west of Scotland.
 Lowest, 29.6 ins. and less, over South Germany, Switzerland and the south-east of France.
 Gradients moderate over Germany and France, but slight elsewhere. Barometer rising generally.

TEMPERATURE

Highest, 46° at Dublin and Kiev, 44° at Seilly, 43° at Bismarck and Valencia, 42° at Malin Head and 41° at Jish, Ardrossan, Limerick and
 Lowest, 20° at Haparanda, 21° at Stockholm, 24° at Gdansk, 26° at Marseilles, 27° at Tunis and 28° at Constantinople and Bagdad.
 Frost occurred last night at all but our west coast stations.

WIND

Chiefly N^W or NE^W, fresh or strong in force at some of our southern and the French stations, but light or moderate elsewhere.
 Light from the E^W in Norway and from W in the south of France.

WEATHER

Fair over the greater part of Northwestern Europe, but with showers of hail or sleet in the south of England.
 Dull over Germany and Central France with rain at Munich and snow at Belfort and Lyons.
 Showers of snow or sleet fell yesterday in most parts of the United Kingdom.

SEA

Rather rough at Cape Haze and moderate at Seilly and Yarmouth, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone to the westward of our Islands is inclined to spread eastwards and fair weather is therefore likely over the greater part of the United Kingdom.

The low pressure system over South Germany is however, occasioning unsettled weather over Central Europe and showers of snow or sleet will probably continue at our extreme southern, southeastern and eastern stations.

FORECASTS

For the 24 hours ending at NOON on 6TH APRIL 1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	N ^W winds, light; fair generally.
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	NE ^W winds, light or moderate; fair generally, but perhaps some cold showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as N°0
7	ENGLAND N.W.	Same as N°0
8	ENGLAND S.W.	Same as N°5
9	IRELAND NORTH	N ^W to Variable breezes; fair generally.
10	IRELAND SOUTH	-----D°-----D°-----D°-----
WARNINGS		NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudeenæs ...	29.58	42	34	WNW 2	bc	3	Holyhead ...	29.53	42	39	NNE 4	b	4
Sumburgh Head ...	29.91	41	38	ENE 1	bc	3	Valencia ...	29.91	48	42	N 5	o	5
Stornoway ...	29.96	42	41	N 7	bc	5	Scilly ...	29.73	39	38	SE 2	r	4
Aberdeen ...	29.89	42	38	ENE 2	c	2	Jersey ...	29.77	42	38	SE 3	c	3
Shields ...	29.84	39	37	NE 1	cfo	3	Dungeness ...	29.77	40	37	SE 2	b	o
Ardrossan ...	29.85	45	39	NNE 2	o	1	London ...	29.80	41	37	NW 1	om	*
Malin Head ...	29.92	41	38	NNE 4	o	4	Yarmouth ...	29.78	40	38	NE 3	b	3
Mullaghmore ...	29.93	41	39	N 6	cfo	4	Rochefort ...	29.76	47	40	NE 7	bc	2
Belmullet ...	29.92	45	40	NNE 8	bc	*							

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

The reports for yesterday morning showed that pressure ranged from about 29.9 ins. over the west of Ireland, Lapland, Central Russia and the Black Sea, to rather below 29.7 ins. over the whole of Germany, Austria-Hungary, the south of France, Spain and the Mediterranean, and to 29.5 ins. in the neighbourhood of Perpignan and the Gulf of Genoa, and to 29.3 ins. near Tripoli. The tendency was towards an increase at the northern and a decrease at the southern stations. The wind, though varying in many localities was mainly N. to NE., the weather cold, cloudy, and in some places slightly showery. The area of frost was still spreading southwards, and at the time of observation covered the Baltic, Denmark, Belgium and the northeast of France, in addition to the regions mentioned on the previous day and the cold was increasing in intensity. The lowest individual values were 3° at Haparanda, 5° at Uleaborg, 21° at Hernösand, 25° at Stockholm, 28° at Bodo, Christiansund and Münster, 30° at Paris, 31° at Brussels and Mamel, and 32° at Swinemunde. The highest were 63° at Oran (Algeria) and Malta, 61° at Brindisi, 59° at Barcelona, 57° at Cagliari, 54° at Sanguinairi, 53° at Rome, 51° at Livorno, 50° at Lisbon and 47° at Valencia. Later on the barometer rose over the whole of northwestern Europe, and the N. and NE. winds became more decided, and cold weather spread southward and westward but became less severe in the far north.

GENERAL REMARKS ON THE WEATHER FOR THE 24 HOURS ENDING AT 8 AM ON APRIL 2ND 1888.

The reports for the morning of Sunday, 1st April, showed that pressure exceeded 30.0 ins. over Ireland, France, the Mediterranean, southeastern Europe and central Russia, and that it was as high as 29.8 ins. over the east of Lapland and the White Sea, while a shallow depression lay over the Baltic and Gulf of Finland, and another over the Spanish Peninsula. NW. breezes were consequently prevalent over Scotland and the North Sea, and SW. over Germany and the Baltic. Temperature was rather low and cold showers were experienced at times, separated by bright intervals. In the south of the United Kingdom, however, and over the Bay of Biscay the wind was NE. and E., and the weather dull. Temperature varied from several degrees below the freezing point in northern Europe, and from rather below 40° over the greater part of the United Kingdom, to 50° and more over the northwest of Spain and the Mediterranean, and to upwards of 60° still further to the southward and southeastward. The lowest individual values were 13° at Haparanda, 15° at Archangel, 18° at Uleaborg, 25° at Hernösand, 32° at the Scaw, and 36° to 38° over the northern and eastern parts of Great Britain. The highest were 63° at Biskra, 63° at Cagliari, 61° at Brindisi, 59° at Bilbao, 58° at Malta, 56° at Barcelona, 55° at Sanguinairi, 53° at Coruna and Biarritz. Later on the barometer fell slightly over northwestern Europe, and the weather became still less fair, with N. and NW. winds.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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DAILY WEATHER REPORT.

for *Friday, 6th April* 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.72	24	N	4	0	29.84	- .05	18	17	- 2	N	2	b	*	27	18	0.08	
	Hernösand ...	29.99	26	N	0	0	30.03	+ .08	14	13	- 13	N	0	b	*	34	?	-	
	Stockholm ...	30.01	24	N	0	0	30.04	+ .09	19	18	- 2	WNW	2	bc	*	30	14	-	
	Wisby ...	30.02	24	N	4	0	30.06	+ .10	27	26	+ 1	NNE	2	b	*	32	19	-	
	Bodö ...	29.96	26	N	0	0	29.95	- .06	26	22	+ 2	ESE	2	b	1	30	23	-	
	Christiansund...	30.05	34	SW	3	e	29.96	- .07	35	32	+ 6	SW	6	s	3	36	?	-	
	Skudesnaes ...	30.11	33	NW	2	0	30.16	+ .12	33	32	+ 1	E	2	s	2	39	32	-	
	Christiania Fjord (Færdar)	30.06	30	N	3	0	30.12	+ .11	27	24	0	WNW	2	b	1	32	23	-	
	Skagen (The Scaw)	30.08	28	NNE	1	0	30.13	+ .14	28	27	- 1	N	0	b	0	36	25	-	
	Fanö ...	30.11	30	N	2	0	30.15	+ .16	33	30	+ 1	N	0	b	*	37	27	-	
BRITISH ISLANDS.	Sumburgh Head	30.15	39	WNW	1	0	30.17	+ .06	42	40	+ 5	N	2	bc	2	43	33	0.02	
	Stornoway ..	30.23	42	NW	3	0	30.28	+ .12	38	38	- 2	NW	2	e	1	48	30	0.04	
	Wick ...	30.18	38	NW	2	0	30.28	+ .12	38	35	+ 3	N	0	bc	1	45	33	0.04	
	Nairn ...	30.20	40	N	0	0	30.28	+ .12	38	35	+ 3	N	0	bc	1	45	33	0.04	
	Aberdeen...	30.19	42	NE	1	0	30.29	+ .13	40	38	+ 4	WNW	3	c	2	45	34	0.01	
	Leith ...	30.20	42	E	1	0	30.29	+ .13	42	39	+ 1	N	0	cm	*	47	34	-	
	Shields ...	30.22	38	N	1	bc esp.	30.28	+ .17	40	38	+ 3	N	1	b	2	43	35	0.01	
	Spurn Head ...	30.19	37	E	2	0	30.26	+ .18	36	34	- 1	WNW	3	c	2	41	33	-	
	York ...	30.20	41	NNE	3	bc	30.29	+ .19	36	34	+ 1	WNW	1	0	*	44	29	-	
	Loughborough	30.18	38	NE	2	0	30.30	+ .20	31	30	- 5	WNW	1	cm	*	46	25	0.03	
GERMANY.	Ardrossan ...	30.20	45	N	2	0	30.28	+ .10	42	40	+ 1	N	0	b	0	49	34	-	
	Malin Head ...	30.25	44	WNW	1	0	30.32	+ .11	42	40	0	N	2	b	1	45	39	-	
	Mullaghmore ...	30.26	45	WNW	2	bcv	30.35	+ .14	45	42	+ 5	ESE	1	0	1	50	33	-	
	Belmullet ...	30.31	45	NNE	3	bc	30.37	+ .13	41	41	- 2	SW	2	0	*	46	40	0.03	
	Donaghadee ...	30.24	44	N	2	bc	30.31	+ .11	41	39	+ 1	NW	3	b	1	46	34	-	
	Barrow-in-Furness	30.20	43	NNE	2	bc	30.28	+ .14	37	35	- 1	NE	3	0	*	47	34	-	
	Liverpool (Bidston)	30.21	41	N	1	0	30.31	+ .16	38	34	0	NE	1	e	2	44	33	-	
	Holyhead ...	30.22	40	NNE	4	0	30.31	+ .16	42	40	+ 1	WNW	1	e	1	43	35	-	
	Parsonstown ...	30.26	45	N	0	0	30.36	+ .14	34	31	+ 3	N	0	b	*	46	29	-	
	Valencia ...	30.29	48	N	3	bcv	30.35	+ .12	46	42	+ 3	N	0	b	1	49	34	-	
FRANCE & NETHERLANDS.	Roche's Point...	30.24	42	E	3	0	30.31	+ .16	40	38	+ 3	N	2	c	3	46	35	-	
	Pembroke ...	30.19	40	NNE	3	0	30.30	+ .20	36	35	- 3	ESE	3	c	1	44	33	-	
	Scilly ...	30.15	43	NE	5	cm	30.25	+ .20	42	39	- 2	ESE	4	0	4	44	39	-	
	Prawle Point ...	30.15	39	N	3	0	30.28	+ .23	37	34	0	ESE	3	bc	2	41	29	-	
	Jersey ...	30.10	40	NE	4	cm	30.22	+ .22	39	34	- 1	NE	4	b	3	44	35	-	
	Hurst Castle ...	30.12	42	ESE	4	0	30.27	+ .23	35	33	- 1	NNE	4	cm	2	43	30	-	
	Dungeness ...	30.07	37	NE	5	bc	30.18	+ .21	37	33	0	NE	5	c	4	41	33	-	
	London ...	30.13	39	ESE	3	0	30.26	+ .21	36	31	0	NE	2	b	*	44	30	-	
	Oxford ...	30.20	34	NE	2	0	30.30	+ .23	34	32	- 4	NE	1	bc	*	43	26	-	
	Cambridge ...	30.16	39	NE	2	0	30.29	+ .21	35	31	- 2	N	1	b	*	46	23	-	
PENIN- SULA.	Yarmouth ...	30.16	37	NE	4	bc	30.24	+ .21	38	35	+ 2	NNE	3	bc	4	39	31	-	
	Cuxhaven ...	30.08	33	N	4	0	30.16	+ .15	34	33	+ 1	NE	2	b	*	36	32	-	
	Berlin ...	29.92	35	NNE	3	0	30.02	+ .15	32	29	- 1	NNE	4	0	*	39	28	-	
	Wiesbaden ...	*	*	*	*	*	30.06	+ .30	33	28	- 5	N	4	0	*	41	32	-	
	Munich ...	29.70	32	W	2	S	29.88	+ .34	29	29	- 7	N	2	S	*	39	27	0.67	
	The Helder ...	30.15	34	NNE	3	0	30.21	+ .18	35	32	+ 1	N	1	b	1	37	34	0.04	
	Brussels ...	*	*	*	*	*	30.18	+ .23	33	31	+ 1	NNE	1	b	*	42	29	-	
	Cape Gris Nez...	30.07	36	NE	7	0	30.20	+ .26	36	32	- 1	ESE	7	c	5	41	34	-	
	Paris ...	29.96	40	NE	7	0	30.10	+ .26	31	29	- 3	NNE	4	bc	*	43	30	-	
	Brest ...	30.08	41	NE	5	bc	30.19	+ .19	32	30	- 2	E	3	b	2	46	30	0.08	
PENIN- SULA.	Lorient ...	30.05	41	NE	5	bc	30.16	+ .18	34	33	- 2	NE	5	b	2	45	32	-	
	Rochefort ...	30.04	43	NE	7	0	30.10	+ .20	35	32	- 1	NE	7	bc	2	50	28	-	
	Belfort ...	29.77	32	NE	1	S	29.93	+ .31	31	30	- 3	NE	3	S	*	35	26	0.47	
	Lyons ...	29.86	35	N	1	0	29.92	+ .22	33	32	- 1	WNW	3	S	*	40	32	-	
	Nice ...	29.61	48	SSW	5	0	29.70	+ .19	41	36	- 5	SW	3	b	2	45	36	-	
	Perpignan ...	29.85	47	NW	4	bc	29.95	+ .20	41	36	0	NNE	3	0	*	53	35	-	
	Biarritz ...	29.97	46	N	4	0	30.03	+ .22	35	34	- 6	E	4	b	1	50	32	-	
PENIN- SULA.	Corunna ...	*	*	*	*	*	29.67	- .17	46	42	0	NNE	7	bc	2	54	43	0.28	
	Lisbon ...	29.74	49	WNW	4	0	29.67	- .17	46	42	0	NNE	7	bc	2	54	43	0.28	

WEATHER CHARTS

for 8 a.m. on Friday, 6th April.

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.

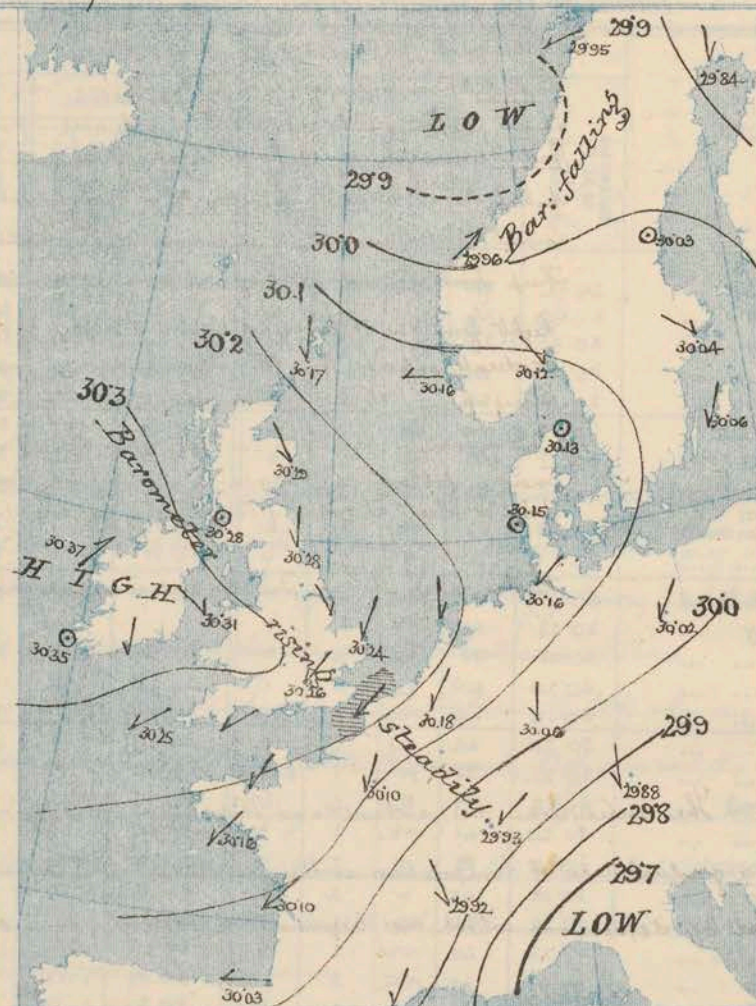
Sea Disturbance—where considerable is shown thus.

▨ = Rough ▨ = High

MEAN HEIGHT of the BAROMETER

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

STATIONS	MEAN READINGS.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.857
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Roche's Point	29.838
Pembroke	29.844
Scilly	29.849
Jersey	29.887
Hurst Castle	29.867
Dover	29.866
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



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.

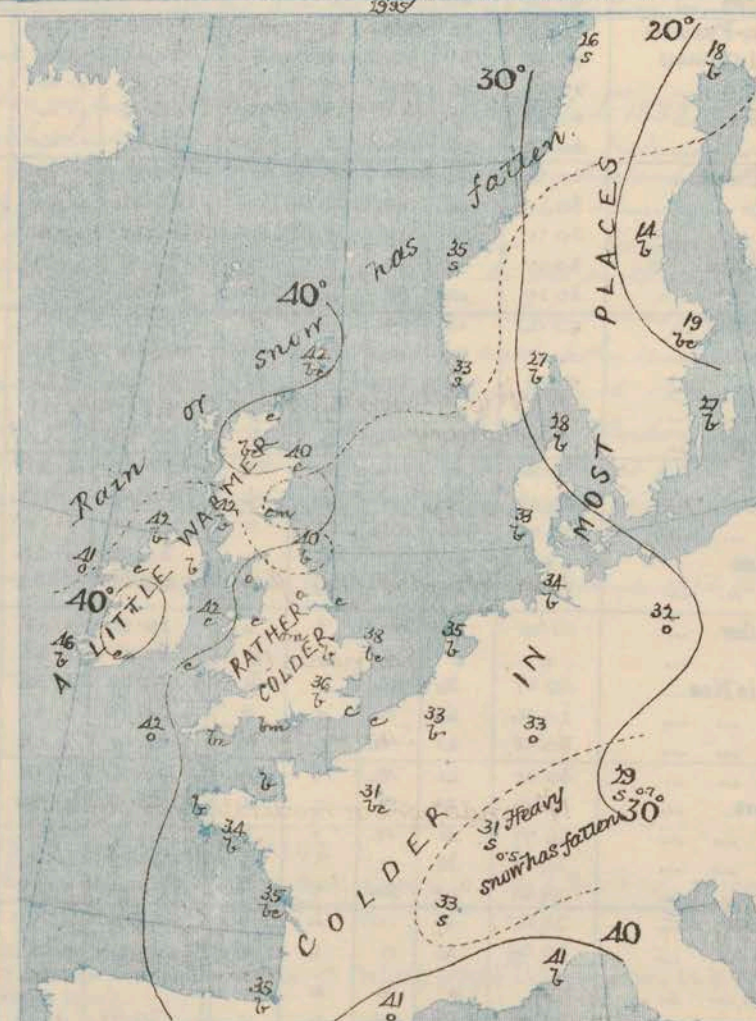
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 3 a.m.		
			Dry.	Wet.	
Sumburgh Head	46.8	37.3	41.9	40.5	2.16
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	49.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.6	38.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	42.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	42.6	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	46.2	44.2	1.86
Liverpool	53.0	40.7	45.5	42.6	1.56
Parsonstown	55.0	38.3	45.7	43.0	2.15
Valencia	54.3	42.9	43.4	45.9	3.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	52.5	45.0	49.0	47.1	2.45
Jersey	54.6	43.6	49.0	46.4	2.04
Hurst Castle	52.3	41.4	45.9	44.6	1.87
Dover	51.5	42.4	47.1	44.5	1.81
LONDON	56.7	40.0	46.8	43.8	1.86
Oxford	55.1	39.3	45.0	42.7	1.79
Cambridge	50.2	37.7	45.5	43.3	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

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 Ireland and Wales.

Lowest, 29.7 ins: over the south of Spain and the western part of the Mediterranean, 29.9 ins: and less over the north of Sweden, and also in a depression lying off the N.W. of Norway.

Gradients moderate over the southern part of Germany and France, light elsewhere. Barometers rising at all the Norwegian stations and Lisbon.

TEMPERATURE

Highest, 46° at Valencia and Lisbon, 45° at Mullaghmore and 42° at Lumburgh Head, Leith, Aberdeen, Holyhead and Scilly.

Lowest, 14° at Hunsand, 18° at Haparanda, 19° at Stockholm, 26° at Bodö, 27° at Trønder and Nisby and 28° at Høgen.

Sharp frost occurred over England last night the observed thermometer falling to 25° at Loughborough and 23° at Farnbridge.

WIND

Light from the N.W. over the northern part of our Islands.

Moderate or fresh from N.E. at our southern and the French and German stations.

Strong from S.W. at Christiansund, light from E.N.E. at Bodö.

WEATHER

Fair generally, but dull in the north of England.

Snow is falling in the west of Norway and also over South Germany and the east of France.

Snow or sleet showers fell yesterday in many parts of Great Britain.

SEA

Rather rough at Cape Fin Noy and moderate at Skilly, Dungeness, and Yarmouth, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over Ireland and Wales will probably continue to move eastwards or southwards and fair weather with a gradual rise of temperature is therefore likely at our southern stations. In the north conditions will probably be affected by depressions which are beginning to advance from the Atlantic.

FORECASTS

for the 24 hours ending at NOON on 7TH APRIL 1888.

DISTRICTS.


FORECASTS.


0	SCOTLAND NORTH	NW ^{ly} to W ^{ly} winds, light or moderate; fair to showery.
1	SCOTLAND EAST	-----D°-----D°-----D°-----
2	ENGLAND N.E.	NW ^{ly} winds, light; fair generally.
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as No 2
5	ENGLAND SOUTH	N ^{ly} winds, light or moderate; fair generally.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No 0
7	ENGLAND N.W.	Same as No 2
8	ENGLAND S.W.	NE ^{ly} to N ^{ly} winds, light; fair generally.
9	IRELAND NORTH	Same as No 0.
10	IRELAND SOUTH	Same as No 0.
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 ...	30.08	39	32	WNW 4	6	2	Holyhead ...	30.22	41	38	NNE 4	6	3
Sumbargh Head ...	30.14	40	39	NNW 1	0	2	Valencia ...	30.29	49	42	N 3	e	3
Stornoway ...	30.22	44	43	NW 3	0	3	Scilly ...	30.43	44	39	NE 5	c	4
Aberdeen ...	30.19	44	40	NW 2	c	2	Jersey ...	30.06	44	39	NNE 4	6	3
Shields ...	30.19	42	37	N 2	6	2	Dungeness ...	30.04	41	36	NE 5	bc	4
Ardrossan ...	30.21	46	40	SW 3	6	1	London ...	30.10	42	38	NNE 3	c	*
Malin Head ...	30.26	45	42	NNW 2	6	1	Yarmouth ...	30.10	39	35	ENE 4	bc	4
Mallaghmore ...	30.26	48	43	NNW 2	cv	1	Rocheport ...	29.96	48	42	NE 5	c	2
Belmullet ...	30.31	45	42	NE 3	0	*							

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

The reports for yesterday morning showed that pressure had increased considerably over Northwestern Europe, and that the large low pressure system noticed over the Continent on the previous day was moving away in a southeasterly direction. N¹ and NE² winds were prevalent all over Western Europe and the greater part of Scandinavia, accompanied by cold fair weather at all but the southern French stations, while in Southeastern Europe the wind was SW¹ to S¹ and the weather milder. Temperature varied from somewhat below the freezing point over Scandinavia, Finland, the Baltic, and the western parts of North Germany to 40° and more in the west and southwest of our Islands to 50° or more over Southeastern Europe and the greater part of the Mediterranean and to 60° or more at some of the Algerian stations and Malta. The highest individual values were 64° at Baffa (Tunis) and Cagliari, 63° at La Calle (Algeria) 60° at Malta and Palermo, 56° at Rome, 55° at Sanguinaria, Lesina, Hermannstadt, and Budapest, 52° at Lemburg, Florence and Pesaro, 46° at Kiev, 44° at Scilly, and 43° at Valencia and Belmullet; the lowest were 20° at Haparanda, 21° at Stockholm, 27° at Lander, 32° at Leno and Brussels, 33° at Berlin, 34° at Paris and 36° in London.

Later in the day the high pressure area in the northwest spread further to the eastward and southward, and a very sharp night was experienced at inland stations, with bright clear weather.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for *Saturday, 7th April* 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	30.12	24	Z	0	0	30.24	+ .50	21	18	+ 3	Z	0	6	*	30	14	-	
	Hernösand ...	30.14	14	Z	0	6	30.35	+ .32	15	14	+ 1	SSW	2	6	*	34	9	-	
	Stockholm ...	30.07	25	Z	0	6	30.11	+ .07	20	17	+ 1	N	4	6	*	34	14	-	
	Wisby ...	30.08	25	N	4	6	29.99	- .07	25	24	- 2	NNE	6	6	*	30	21	-	
	Bodö ...	30.13	29	EHE	2	6	30.28	+ .33	26	24	0	E	2	6	1	34	21	-	
	Christiansund...	30.09	26	NSW	4	0	30.25	+ .29	34	32	- 1	ESE	1	6	3	34	30	0.04	
	Skudesnaes ...	30.16	35	NNW	2	0	30.16	- .00	33	30	0	NNE	2	6	2	36	?	-	
	Christiania Fjord (Færder)	30.10	30	SSW	3	6	30.14	+ .02	28	26	+ 1	N	5	6	1	32	23	-	
	Skagen (The Scaw)	30.10	29	Z	0	6	30.11	- .02	31	30	+ 3	NE	1	6	0	39	25	-	
	Fanö ...	30.15	30	WNW	2	6	30.09	- .06	33	33	0	Z	0	0	*	34	28	-	
BRITISH ISLANDS.	Sumburgh Head	30.22	39	NNW	2	6	30.24	+ .07	37	35	- 8	Z	0	6	1	40	29	-	
	Stornoway ..	30.28	47	NW	3	6	30.25	- .03	44	43	+ 6	SE	1	6	1	48	32	0.08	
	Wick ...	30.29	44	NW	1	6	30.25	- .03	44	43	+ 6	SE	1	6	1	48	32	0.08	
	Nairn ...	30.33	45	Z	0	6	30.24	- .04	43	41	+ 5	NSW	1	6	1	52	36	-	
	Aberdeen...	30.29	46	SSE	2	6	30.25	- .04	40	39	0	NNW	1	6	1	50	32	-	
	Leith ...	30.30	43	E	1	6	30.26	- .03	41	38	- 1	W	1	6	*	47	30	-	
	Shields ...	30.31	40	NE	1	6	30.24	- .04	36	35	- 4	NNW	2	6	2	45	31	-	
	Spurn Head ...	30.27	39	NNE	3	6	30.23	- .03	38	36	+ 2	NNW	3	6	2	43	34	-	
	York ...	30.29	43	NNE	1	6	30.26	- .03	36	35	0	N	1	6	*	47	28	-	
	Loughborough	30.28	42	NNE	1	0	30.29	- .01	31	30	0	Z	0	6	*	46	28	-	
GERMANY.	Ardrossan ...	30.27	48	W	1	6	30.26	- .02	40	39	- 2	E	1	6	1	50	32	-	
	Malin Head ...	30.33	46	NW	2	6	30.30	- .02	42	42	0	NNW	2	6	1	48	39	0.01	
	Mullaghmore ...	30.34	48	NW	2	6	30.32	- .03	49	46	+ 4	Z	0	6	0	49	38	-	
	Belmullet ...	30.36	48	NW	2	6	30.32	- .05	44	43	+ 3	S	2	6	*	50	41	-	
	Donaghadee ...	30.32	45	NNE	3	6	30.30	- .01	38	38	- 3	W	3	6	1	48	34	-	
	Barrow-in-Furness	30.28	43	NW	2	0	30.27	- .01	36	35	- 1	NE	3	6	*	47	32	-	
	Liverpool (Bidston)	30.31	41	WNW	1	0	30.29	- .02	41	39	+ 3	SW	1	6	2	45	34	-	
	Holyhead ...	30.31	42	W	1	6	30.28	- .03	40	40	- 2	Z	0	6	0	46	34	-	
	Parsonstown ...	30.33	48	Z	0	6	30.32	- .04	39	37	+ 5	Z	0	6	*	50	31	-	
	Valencia ...	30.35	47	N	3	6	30.32	- .03	43	42	- 3	Z	0	6	1	51	33	-	
FRANCE & NETHERLANDS.	Roche's Point...	30.33	45	SSW	3	6	30.31	- .00	40	38	0	N	2	6	3	48	35	-	
	Pembroke ...	30.31	42	NNE	2	6	30.28	- .02	41	40	+ 5	NE	2	6	0	46	35	-	
	Scilly ...	30.27	43	NE	4	6	30.23	- .02	43	41	+ 1	NE	2	6	4	44	38	0.01	
	Prawle Point ...	30.28	38	NNE	3	6	30.26	- .02	38	37	+ 1	NE	3	6	2	43	31	-	
	Jersey ...	30.23	40	NE	3	6	30.21	- .01	40	37	+ 1	NE	5	6	4	41	36	-	
	Hurst Castle ...	30.24	42	NNE	3	6	30.27	- .00	36	35	+ 1	NE	4	6	2	45	31	-	
	Dungeness ...	30.19	39	E	4	6	30.19	+ .01	39	36	+ 2	NE	4	6	3	43	31	-	
	London ...	30.23	41	NE	3	6	30.25	- .01	37	35	+ 1	NE	1	6	*	44	30	-	
	Oxford ...	30.29	37	NE	1	6	30.28	- .02	33	32	- 1	NE	1	6	*	47	27	-	
	Cambridge ...	30.25	40	NNE	1	6	30.24	- .05	38	36	+ 3	N	1	6	*	49	25	0.01	
PENIN- SULA.	Yarmouth ...	30.23	38	NE	3	6	30.21	- .03	39	38	+ 1	NNW	3	6	3	43	32	0.01	
	Cuxhaven ...	30.18	34	NNW	3	6	30.14	- .02	34	33	0	NNW	2	6	*	36	32	-	
	Berlin ...	30.08	32	N	2	6	30.01	- .01	31	29	- 1	NW	3	6	*	37	28	-	
	Wiesbaden ...	*	*	*	*	*	30.10	+ .04	36	30	+ 3	NE	3	6	*	43	32	-	
	Munich ...	29.99	26	NE	4	S	29.99	+ .11	29	28	0	NE	2	6	*	36	23	0.16	
	The Helder ...	30.22	35	N	3	6	30.14	- .07	36	35	+ 1	NNW	1	6	1	39	34	-	
	Brussels ...	*	*	*	*	*	30.18	- .00	38	30	0	NNE	1	6	*	43	30	-	
	Cape Gris Nez...	30.20	37	NE	5	6	30.22	+ .02	36	34	0	NE	5	0	4	43	34	-	
	Paris ...	30.11	39	NNE	4	6	30.12	+ .02	32	31	+ 1	NNE	3	6	*	44	?	-	
	Brest ...	30.19	38	NE	5	0	30.17	- .02	35	33	+ 3	NE	1	0	2	46	32	-	

WEATHER CHARTS

for 8 a.m. on Saturday, 7th April.

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 6 to 10,
— forces 5 to 7, — forces 1 to 4,
○ = dead calm.

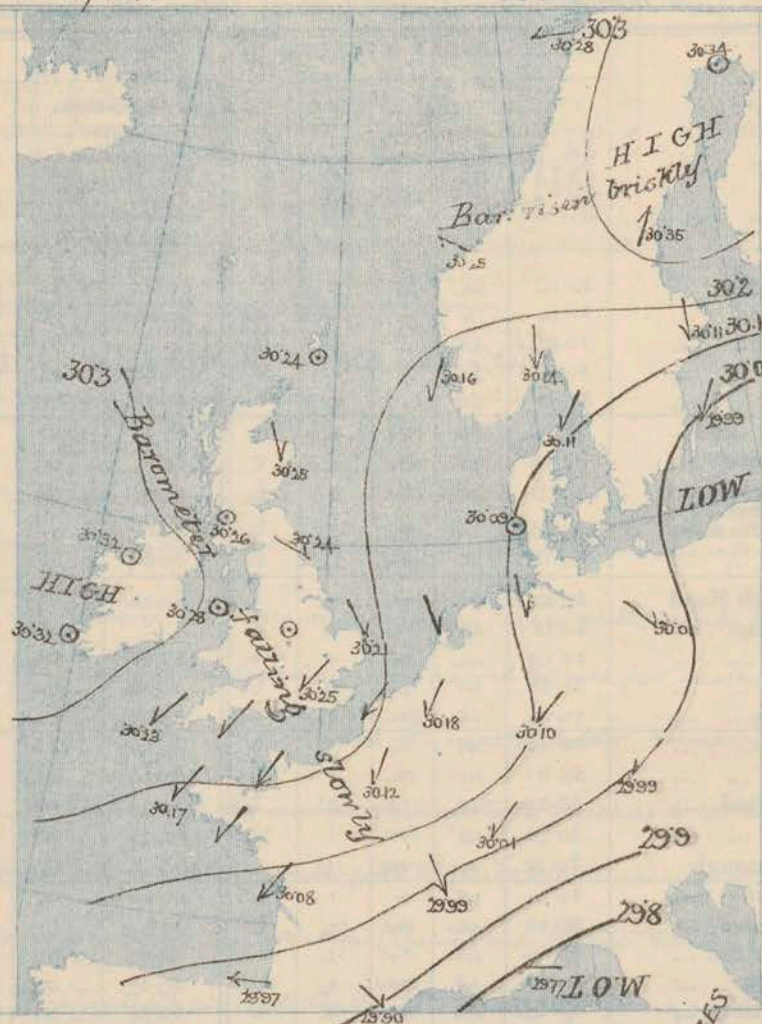
Sea Disturbance — where considerable is shown thus.

— = Rough. — = High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.867
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Roche's Point	29.838
Pembroke	29.844
Scilly	29.849
Jersey	29.867
Hurst Castle	29.887
Dover	29.896
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



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.

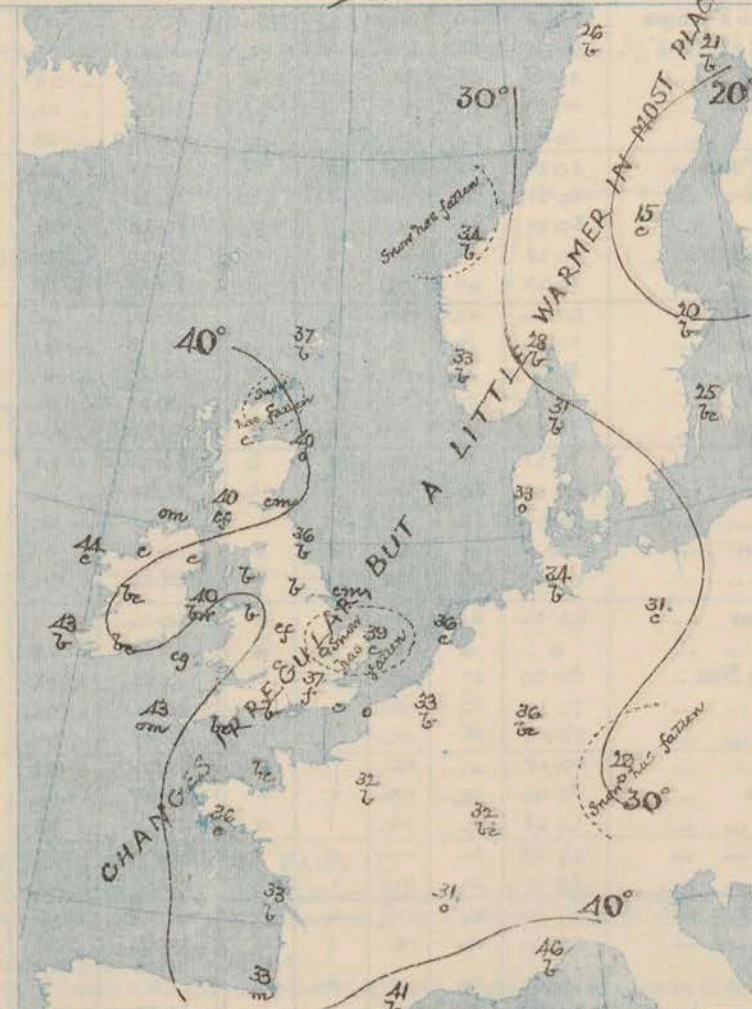
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of April.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	46.3	37.3	41.9	40.5	2.16
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	49.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.6	38.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	42.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	42.6	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	46.2	44.2	1.86
Liverpool	53.0	40.7	45.5	42.6	1.56
Parsonstown	55.0	38.3	45.7	43.0	2.15
Valencia	54.3	42.9	48.4	45.9	4.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	53.5	45.0	49.0	47.1	2.45
Jersey	54.8	43.6	49.0	46.4	2.04
Hurst Castle	52.3	41.4	45.9	44.6	1.87
Dover	51.5	42.4	47.1	44.5	1.81
LONDON.	56.7	40.0	46.8	43.8	1.66
Oxford	53.1	39.3	45.0	42.7	1.79
Cambridge	56.2	37.7	45.6	43.3	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

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 over the north of Sweden and also over Ireland.
Lowest, 29.6 ins: and less, over the southern half of the Iberian Peninsula; 30.0 ins: and less over the Baltic and Germany.
Gradients rather steep over Spain and moderate over the south of France, but slight elsewhere.
Barometer rising quickly in the north of Scandinavia and slightly over the East of France, but falling elsewhere.

TEMPERATURE

Highest, 49° at Mullaghmore, 46° at Kise, 44° at Nies, Belmullet and Linton, and 43° at Kair, Valencia and Scilly.
Lowest, 15° at Herisand, 20° at Stockholm, 21° at Haparanda, 26° at Bodo, 28° at Fander, 29° at Munich, and 31° at Loughborough, Skagen, Balise and Lyons.
Sharp frost was again experienced last night over England; in London the thermometer on the grass fell to 22° and at Oxford to 20°.

WIND

Light and variable over the northern parts of our Islands and Sweden.
Light or moderate from the NW^{ly} over the Netherlands, Germany, and the eastern parts of England and France.
Chiefly N^{ly} or NE^{ly} elsewhere, fresh in force over the Channel and France.

WEATHER

Fair generally, but dull in places, with fog at some of the English stations.
Slight local showers were experienced yesterday in the East and southeast of England.

SEA

Moderate in the Channel, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure systems over Spain and the Baltic may possibly spread northward or westward, so that an increase in the strength of the NE^{ly} winds is not improbable over the south and East of England. No further change is indicated at present.

FORECASTS

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

DISTRICTS.



FORECASTS.

0	SCOTLAND NORTH	Light breezes, chiefly N ^{ly} ; fair generally.
1	SCOTLAND EAST	----- D° ----- D° ----- D°
2	ENGLAND N.E.	N ^{ly} winds, light or moderate; fair generally.
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as No 2.
5	ENGLAND SOUTH	NE ^{ly} winds, freshening; fair generally, but some sleet showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No 0
7	ENGLAND N.W.	Same as No 0
8	ENGLAND S.W.	NE ^{ly} and E ^{ly} winds, freshening; fair generally, but local showers.
9	IRELAND NORTH	N ^{ly} or NE ^{ly} winds, light; fair generally.
10	IRELAND SOUTH	----- D° ----- D° ----- D°
WARNINGS		NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.15	36	34	E. 1/2 E 2	S	2	Holyhead ...	30.32	45	43	N. 1/2 W 1	b	1
Sumburgh Head ...	30.22	42	40	N. 1/2 W 3	b	3	Valencia ...	30.35	51	44	N 3	b c	3
Stornoway ...	30.28	48	47	N 3	c	3	Scilly ...	30.27	43	37	N. 1/2 E 4	c	4
Aberdeen ...	30.30	47	43	N. 1/2 W 2	c	1	Jersey ...	30.23	43	37	N. 1/2 E 3	c	3
Shields ...	30.29	42	40	N. 1/2 E 2	b	2	Dungeness ...	30.20	43	37	E. 1/2 N. 5	b c	4
Ardrossan ...	30.29	48	44	W 2	b	1	London ...	30.24	44	39	N. 1/2 E 2	c	*
Malin Head ...	30.34	48	45	N. 1/2 W 2	o	o	Yarmouth ...	30.22	42	38	N. 1/2 E 3	b	3
Mullaghmore ...	30.35	47	45	N. 1/2 W 3	o	2	Rochefort ...	30.13	44	37	E. 1/2 E 4	o	2
Belmullet ...	30.38	48	44	N. 1/2 W 2	b c	*							

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

The reports for yesterday morning showed that the Eastern portion of a large high pressure system lay over the whole of the British Islands and their neighbourhood, while another lay over Central Russia, the two being separated by a zone of low pressure which stretched from Finland and Northern Europe across Western Russia, Poland and Austria to the Mediterranean and Black Seas. Readings were highest (30.2 ins. to 30.4 ins.) over the British Isles, lowest 29.6 ins. over Poland, 29.7 ins. and less, over the Gulf of Genoa, and about the same value over the extreme south of Spain and Algeria. The dominant winds currents were consequently N^{ly} and NE^{ly}, temperature was low and falling, the air dry, and the weather as a whole fair, but snow showers again prevailed in certain localities. The area in which frost prevailed at 8 a.m. had extended still further in a southwesterly direction and embraced Central France, and during the night frost had occurred at most of the inland stations both in the British Isles and on the Continent. The lowest individual readings at 8 a.m. were 14° at Hunsand and Ulrabor, 18° at Haparanda, 19° at Stockholm and Kuopio, 20° at Hangö, 23° at Helsingfors, 28° at Breslau, 29° at Basel, 30° at several other German stations and at Beranzon and Havre, 31° at Belfast, Clermont and Paris. The highest were 66° at Sfax (Tunis) 61° at Trindini, 55° at Palermo, 54° at Livorno and Serina, 53° at Naples, 52° at Rome, Nicolaiiff, and Odessa and 51° at Hermannstadt. On the Atlantic coasts of Europe and the British Isles temperature did not exceed 46° at any station. No important change occurred 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 Sunday 8th April 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.				
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Weather.	Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	30.28	18	X	0	6	30.25	+0.01	16	15	-5	N	2	6	*	34	7	-	
	Hernösand ...	30.30	22	X	0	7	30.20	-0.15	20	27	+15	NNE	6	0	*	39	1	-	
	Stockholm ...	29.93	27	N	8	8	29.84	-0.27	28	28	+8	NNE	6	8	*	28	10	0.20	
	Wisby ...	29.82	29	N	8	8	29.74	-0.28	32	31	+7	E	2	0	*	32	21	0.12	
	Bodö ...	30.22	26	E	2	6	30.26	-0.02	29	24	+3	E	4	C	2	32	23	-	
	Christiansund...	30.26	35	ENE	1	6	30.21	-0.04	32	29	-2	E	3	6	2	41	27	-	
	Skudesnaes ...	30.19	36	NNW	2	6	30.14	-0.02	34	30	+1	NNE	2	6	2	48	34	-	
	Christiania Fjord (Færdar)	29.71	35	N	3	6	30.02	-0.12	31	27	+3	NNE	7	C	2	37	28	-	
	Skagen (The Scaw)	30.08	?	NE	1	6	29.96	-0.15	28	28	-3	NE	6	0	3	37	28	-	
	Fanö ...	30.06	30	N	1	6	30.00	-0.09	31	28	-2	NNW	3	6	*	39	27	-	
BRITISH ISLANDS.	Sumburgh Head	30.24	38	X	0	6	30.21	-0.03	38	37	+1	X	0	C	0	43	31	-	
	Stornoway ..	30.19	46	X	0	7	30.13	-0.11	44	44	0	SE	3	0	2	49	43	0.09	
	Wick ...	30.24	40	SE	3	0	30.19	-0.06	40	39	-4	S	2	6	1	48	35	-	
	Nairn ...	30.20	43	ENE	1	0	30.17	-0.07	36	35	-7	ESE	1	6	1	47	28	0.02	
	Aberdeen...	30.23	39	ESE	1	6	30.20	-0.05	39	36	-1	ENE	1	C	1	44	30	0.01	
	Leith ...	30.21	42	E	1	C	30.18	-0.08	43	38	+2	SE	1	6	*	47	31	-	
	Shields ...	30.17	42	N	2	6	30.16	-0.08	38	34	+2	NE	3	C	3	46	34	-	
	Spurn Head ...	30.12	40	NNE	3	C	30.08	-0.15	38	34	0	ENE	5	6C	4	45	34	-	
	York ...	30.16	42	N	2	C	30.13	-0.13	36	33	0	N	2	6C	*	50	33	-	
	Loughborough	30.13	43	NNE	1	7	30.09	-0.20	37	34	+6	NNE	4	6	*	53	30	0.01	
GERMANY.	Ardrossan ...	30.17	48	NNW	1	C	30.18	-0.08	41	37	+1	SE	3	6	2	49	36	-	
	Malin Head ...	30.23	46	NW	2	0	30.14	-0.16	40	40	-2	SE	3	0d	2	48	40	0.05	
	Mullaghmore ...	30.23	46	NW	2	0	30.15	-0.17	45	44	-4	NW	1	0	2	50	43	-	
	Belmullet ...	30.25	44	NNW	1	C	30.17	-0.15	44	43	0	W	1	0	*	49	36	-	
	Donaghadee ...	30.20	45	NNE	3	C	30.18	-0.12	39	36	+1	NE	4	C	2	48	37	-	
	Barrow-in-Furness	30.16	45	NNE	3	0	30.15	-0.12	39	35	+3	N	1	6	*	47	33	-	
	Liverpool (Bidston)	30.17	41	NNW	2	0	30.14	-0.15	37	32	-4	NE	2	6	2	47	33	-	
	Holyhead ...	30.18	42	NNW	1	C	30.13	-0.15	41	37	+1	ENE	4	6C	3	49	36	-	
	Parsonstown ...	30.21	49	NNW	1	0	30.15	-0.17	43	41	+4	X	0	0	*	50	38	-	
	Valencia ...	30.22	48	NNE	3	6C	30.17	-0.15	45	43	+2	N	2	0	2	51	37	-	
FRANCE & NETHERLANDS.	Roche's Point...	30.22	46	S	2	C	30.12	-0.19	44	43	+2	NNE	3	0d	3	49	40	-	
	Pembroke ...	30.18	44	N	2	6C	30.09	-0.19	44	41	+3	ENE	3	6	1	46	37	-	
	Seilly ...	30.20	48	E	1	6C	30.03	-0.20	44	40	+1	NNE	5	0	2	45	39	-	
	Prawle Point ...	30.16	38	NE	1	6	30.04	-0.22	37	35	-1	NE	4	6C	3	43	32	-	
	Jersey ...	30.12	42	ENE	4	6	29.98	-0.23	41	36	+1	NE	3	6C	3	44	35	0.04	
	Hurst Castle ...	30.12	42	W	2	6	29.99	-0.28	37	35	+1	NNE	5	C	2	45	35	-	
	Dungeness ...	30.08	40	E	3	6C	29.90	-0.29	34	33	-5	N	3	C	2	46	30	0.03	
	London ...	30.09	44	NE	2	6C	29.99	-0.26	34	32	-2	NE	3	0	*	46	33	0.08	
	Oxford ...	30.10	43	NE	1	0	30.03	-0.25	35	33	+2	NNE	3	CSP	*	48	32	-	
	Cambridge ...	30.10	41	N	1	7	30.02	-0.22	36	33	-2	NNW	2	C	*	49	29	0.05	
PENIN- SULA.	Yarmouth ...	30.03	39	N	1	C	29.98	-0.28	35	33	-4	ENE	6	CSP	5	47	31	0.06	
	Caxhaven ...	30.03	35	NNW	3	C	30.02	-0.12	31	30	-2	NNE	3	C	*	36	30	-	
	Berlin ...	29.97	35	NW	3	6C	29.92	-0.09	33	30	+2	NW	1	5	*	39	28	-	
	Wiesbaden ...	?	*	*	*	*	29.92	-0.17	34	31	-2	E	1	6C	*	45	28	-	
	Munich ...	29.98	28	NE	1	C	29.88	-0.11	23	23	-6	NE	4	f	*	36	16	-	
	The Helder ...	30.03	38	N	1	8	30.02	-0.12	35	32	-1	ENE	4	6	3	39	32	0.12	
	Brussels ...	*	*	*	*	*	29.93	-0.25	35	34	+2	ENE	3	C	*	42	33	0.04	
	Cape Gris Nez...	30.09	38	NE	4	C	29.91	-0.21	33	33	-3	NE	4	5	4	45	32	0.08	
	Paris ...	30.04	39	NE	4	C	29.94	-0.18	32	31	0	NNE	1	5	*	45	28	-	
	Brest ...	30.11	39	NE	5	0	30.04	-0.13	38	35	+3	NW	3	0	3	46	32	-	
FRANCE & NETHERLANDS.	Lorient ...	30.05	43	NNE	5	6C	30.02	-0.15	37	36	+1	N	4	5	2	45	34	-	
	Rochefort ...	29.98	46	RNE	7	6	29.99	-0.09	35	31	+2	NE	7	?	2	54	28	-	
	Belfort ...	29.97	36	NR	1	0	29.86	-0.15	34	32	+2	NW	1	6	*	41	25	-	
	Lyons ...	29.91	38	NNW	5	0	29.83	-0.11	33	30	+2	NNW	2	0	*	39	31	-	
	Nice ...	29.75	?	X	0	6	29.76	-0.01	45	43	-1	RNE	1	C	*	55	41	-	
	Perpignan ...	29.80	30	NW	4	0	29.85	-0.05	42	41	+1	N	3	T	*	57	41	0.04	
	Biarritz ...	29.38	46	N	3	6C	29.90	-0.07	39	36	+6	E	4	0	2	50	?	-	
	Corunna ...	*	*	*	*	*	29.90	+0.08	48	?	+1	NNE	7	C	?	48	36	-	
	Lisbon ...	29.61	49	W	4	6C	29.72	+0.19	47	46	+3	NNE	4	0	?	52	45	-	

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on Sunday, 8th April.

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

→ = forces above 10; →→ = forces 8 to 10;

→→ = forces 5 to 7; → = forces 1 to 4;

⊙ = dead calm.

Sea Disturbance — where considerable is shown thus.

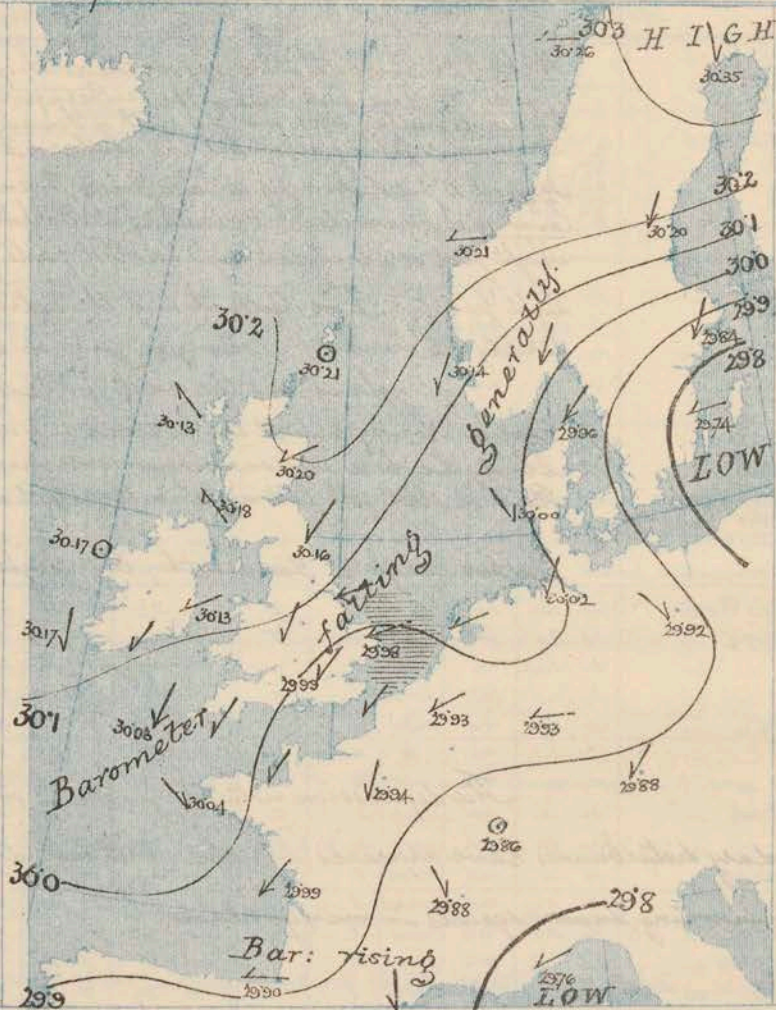
▨ = Rough ▨ = High

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871-85.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.857
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.885
Roche's Point	29.838
Pembroke	29.844
Scilly	29.849
Jersey	29.867
Hurst Castle	29.867
Dover	29.866
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



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.

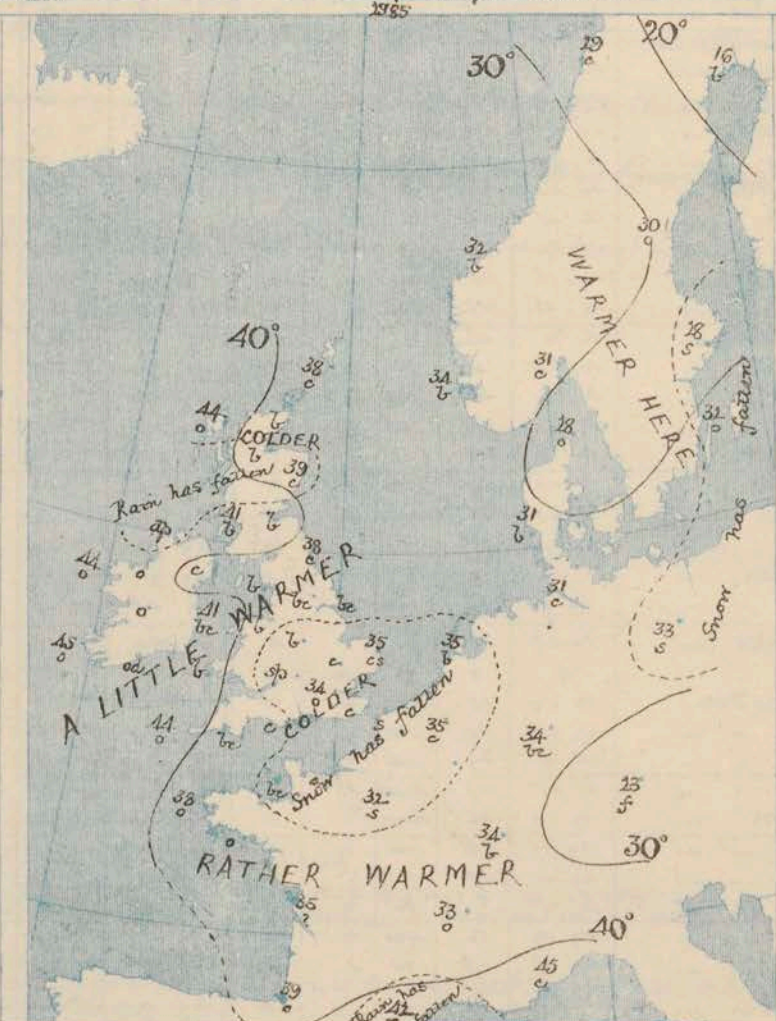
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	46.3	37.3	41.9	40.5	2.16
Stornoway	49.3	37.5	44.1	42.8	2.51
Wick	49.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.6	38.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	42.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	42.6	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	46.2	44.2	1.86
Liverpool	53.0	40.7	45.5	42.6	1.56
Parsonstown	55.0	38.3	45.7	43.0	2.15
Valencia	54.3	42.9	48.4	45.9	4.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	52.5	45.0	49.0	47.1	2.45
Jersey	54.6	43.6	49.0	46.4	2.04
Hurst Castle	52.3	41.4	45.9	44.6	1.87
Dover	51.5	42.4	47.1	44.5	1.81
LONDON	56.7	40.0	46.8	43.8	1.86
Oxford	55.1	39.3	45.0	42.7	1.79
Cambridge	56.2	37.7	45.5	43.3	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

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 over the north of Sweden. Lowest 29.8 ins. and less over the southern parts of France and Spain, and also in a depression lying over the Baltic. Barometer rather steep over the south of Scandinavia but slight and irregular elsewhere. Barometer falling at all but the southern French stations.
TEMPERATURE	Highest 47° at Lisbon, 45° at Mullaghmore, Valencia and Nice, 44° at Belmullet, Roches Point, Pembroke, and Scilly, and 3° Lowest 16° at Haparanda, 23° at Munich, 25° at Stockholm and Hagen, 29° at Porto, 32° at Hernimani, and 31° at Fiesler, Farn & Lanchaaron. Slight frost occurred last night in most parts of Great Britain.
WIND	Slight from the S.E. in Scotland and the extreme north of Ireland. Chiefly N.E. elsewhere; strong in force in the south of Scandinavia and fresh over the east and south of England and the west of France.
WEATHER	Fine in Norway and all the northern and western parts of Great Britain. Cloudy elsewhere with snow showers over our midland and southeastern counties, as well as at several of the continental stations. Rain or sleet fell last night in the southeast of England.
SEA	Rather rough at Harmouth, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday over the Baltic has become somewhat deeper, while secondary disturbances have appeared over the northeast of France and the southeast of England. The latter are occasioning snow squalls in many places.

FORECASTS

for the 24 hours ending at NOON on April 9th 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.	Woa.	Sea.		Bar.	Dry.	Wet.	Wind.	Woa.	Sea.
Skudesnaes ...	30.19	29	37	ENE 3	6	2	Holyhead ..	30.23	44	42	NNW 2	c	1
Sumburgh Head ...	30.25	40	38	X 0	6	1	Valencia ...	30.27	50	45	NNW 2	cn	2
Stornoway ...							Scilly ...	30.19	45	39	E 5	bc	4
Aberdeen ...	30.24	42	40	E 1	ofd	1	Jersey ...	30.16	43	38	ENE 4	cg	4
Shields ...	30.19	44	42	N 3	c	2	Dungeness ...	30.12	44	39	ENE 3	c	2
Ardrossan ...	30.19	49	45	N 3	0	2	London ...	30.16	44	40	NW 3	0	*
Malin Head ...	30.25	46	45	NW 2	0	0	Yarmouth ...	30.14	42	40	NNE 3	6v	3
Mullaghmore ...	30.26	47	45	NW 4	0 v	2	Rochefort ...	30.04	51	45	ENE 7	6	2
Belmullet ...	30.23	47	44	NNW 3	0	*							

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

The reports for yesterday morning showed that pressure varied from 30.3 ins. and more over the west of Ireland and from 30.1 ins. and more over the whole of the British Islands, Norway and the north of France, to about 29.7 ins. over Poland and western Russia as well as over the Gulf of Genoa and the western parts of Algeria. Over Asia Minor readings were higher. Thus the wind over the whole of western Europe was NE. or N.E., the weather fair, as a whole, but cold showers were reported locally - chiefly over Germany and central France. Temperature was low - frost being prevalent even at 7 or 8 am over the whole of northern Europe, the Baltic, Germany and central France while even in the south of France and over Ireland the readings were not much above 40°. The lowest individual values were 15° at Herraund, 19° at Hango, 20° at Stockholm and Uleaborg, 21° at Haparanda and Kuopio, 26° at Moscow and Breslau, 28° at Porto, Memel, Riga and Prague, 30° at Vienna, Clermont and Nancy, 31° at Berlin and Lyons, and 32° at Paris; the highest were, 70° at Biskra (Algeria), 69° at Malta, 61° at Brindisi, 54° at Palermo, 55° at Lesina, 52° at Naples, 51° at Barcelona, 50° at Nicolaieff, and 48° at Kharkov and Odessa.

No important change was observed later.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Monday 9th April 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.			
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	30.23	15	Z	0	6	30.17	-18	13	12	-2	E	2	6	*	37	5	-	
	Hernösand ...	30.19	27	NE	4	0	30.22	+02	31	29	+1	NE	2	0	*	34	18	-	
	Stockholm ...	30.00	30	NE	4	2	30.10	+26	31	30	+3	NE	2	0	*	36	25	0.04	
	Wisby ...	29.92	31	NE	6	0	30.04	+30	34	32	+2	SE	4	6C	*	39	27	0.08	
	Bodö ...	30.18	31	E	2	6	30.12	-14	33	29	+4	E	2	C	1	34	27	-	
	Christiansund...	30.08	34	Z	0	6	30.04	-17	35	31	+2	ENE	2	6	2	39	28	-	
	Skudesnaes ...	29.97	37	NW	2	C	30.00	-14	38	32	+4	E	4	C	3	41	34	-	
	Christiania Fjord (Færdor)	29.96	33	NE	5	0	30.00	-02	31	30	0	NE	5	0	2	34	27	-	
	Skagen (The Scaw)	29.88	30	ENE	6	0	29.89	-07	32	31	+4	E	4	0	4	32	28	0.04	
	Fanö ...	29.85	29	NNW	2	2	29.80	-20	30	29	-1	NNW	2	C	*	36	27	-	
BRITISH ISLANDS.	Sumburgh Head	30.12	40	Z	0	C	30.04	-17	42	39	+4	Z	0	0	0	44	34	-	
	Stornoway ..	30.10	48	Z	0	C													
	Wick ...	30.13	40	Z	0	6	30.08	-11	41	40	+1	NE	2	6	1	49	25	-	
	Nairn ...	30.10	40	E	2	6	30.11	-06	37	35	+1	Z	0	6	0	46	26	-	
	Aberdeen...	30.13	40	E	1	6	30.05	-15	37	35	-2	NNW	4	C	2	45	35	-	
	Leith ...	30.10	42	E	1	6	30.09	-09	36	33	-7	Z	0	C	*	46	27	-	
	Shields ...	30.09	40	NE	2	6	30.02	-14	37	35	-1	NNW	3	0	3	44	32	-	
	Spurn Head ...	30.05	40	NNE	5	6C	29.97	-11	35	35	-3	NNW	4	C	3	43	38	0.01	
	York ...	30.09	41	NNE	2	C	30.02	-11	36	33	0	NNW	2	0	*	46	30	-	
	Loughborough	30.07	40	ENE	3	C	30.04	-05	35	32	-2	NW	2	0	*	45	30	-	
GERMANY.	Ardrossan ...	30.11	45	NW	2	6	30.07	-11	43	41	+2	NW	3	6C	2	47	30	-	
	Malin Head ...	30.11	41	ENE	2	6	30.15	+01	42	40	+2	NNW	2	0	2	46	36	0.01	
	Mullaghmore ...	30.11	42	NW	2	2	30.19	+04	44	43	-1	NNW	1	0	3	47	39	0.05	
	Belmullet ...	30.12	46	NNW	2	0	30.22	+05	47	46	+3	N	4	0	*	48	44	0.17	
	Donaghadee ...	30.14	42	NW	2	6	30.12	-06	42	39	+3	N	3	6	1	44	35	-	
	Barrow-in-Furness	30.11	41	NW	2	0	30.08	-07	38	35	-1	N	2	6C	*	46	35	-	
	Liverpool (Bidston)	30.10	41	NE	2	C	30.07	-07	41	38	+4	NW	2	6	3	43	37	-	
	Holyhead ...	30.10	41	NE	4	6	30.10	-03	44	40	+3	NW	4	6	4	44	35	-	
	Parsonstown ...	30.11	41	Z	0	C	30.21	+06	50	28	-13	Z	0	C	*	45	23	0.02	
	Valencia ...	30.10	48	N	2	0	30.24	+04	47	44	+2	ENE	1	C	1	48	41	0.05	
FRANCE & NETHERLANDS.	Roche's Point...	30.11	38	ESE	3	6	30.17	+05	37	35	-7	N	2	6	3	46	32	0.18	
	Pembroke ...	30.06	41	NE	2	6C	30.13	+04	42	40	-2	N	1	6	0	44	33	-	
	Scilly ...	30.02	42	NE	5	C	30.12	+09	42	35	-2	NE	4	C	3	46	37	-	
	Prawle Point ...	30.01	37	ENE	3	0	30.10	+05	41	37	+4	N	3	6C	2	45	31	0.03	
	Jersey ...	29.93	37	N	3	6C	30.06	+03	40	35	-1	NE	4	6C	3	42	34	0.04	
	Hurst Castle ...	30.00	38	NE	4	6	30.06	+07	34	33	-3	NNE	2	0	2	42	31	-	
	Dungeness ...	29.91	38	ENE	5	6C	29.98	+08	34	33	0	NNE	3	C	2	42	30	-	
	London ...	29.99	38	ENE	2	6C	30.02	+03	35	32	+1	NW	2	0	*	41	32	-	
	Oxford ...	29.07	34	NE	2	6	30.05	+02	34	31	-1	NW	2	0	*	42	29	0.03	
	Cambridge ...	30.05	29	N	2	6C	30.01	-01	38	34	+2	N	1	0	*	44	27	-	
PENIN- SULA.	Yarmouth ...	30.01	29	NNW	4	6C	29.94	-04	36	35	+1	NW	3	0	3	40	33	0.01	
	Cuxhaven ...	29.92	32	NNW	3	6	29.87	-15	33	32	+2	NW	1	6	*	34	31	-	
	Berlin ...	29.88	34	Z	0	6	29.90	-02	36	35	+2	NE	2	6	*	39	33	-	
	Wiesbaden ...	*	*	*	*	*	29.90	-02	37	32	+3	NE	2	C	*	46	38	-	
	Munich ...	29.86	31	NE	1	C	29.89	+01	33	32	+10	S	2	0	*	39	23	-	
	The Helder ...	29.97	35	NNE	3	C	29.90	-12	34	32	-1	NNW	1	0	1	37	34	-	
	Brussels ...	*	*	*	*	*	29.96	+02	33	32	-2	W	1	6C	*	44	30	0.04	
	Cape Gris Nez...	29.94	36	ENE	7	6	29.97	+06	36	35	+3	N	1	0	2	43	34	0.04	
	Paris ...	29.89	39	NE	1	0	29.96	+02	35	33	+3	NNE	3	0	*	47	31	-	
	Brest ...	29.98	37	E	4	0	30.06	+02	34	33	-4	NE	5	0	2	46	32	-	
PENIN- SULA.	Lorient ...	29.93	41	NNE	5	C	30.03	+01	35	34	-2	NNW	5	6C	2	45	32	-	
	Rochefort ...																		
	Belfort ...	29.87	41	NE	1	6	29.90	+04	37	35	+5	NE	1	6	*	42	28	-	
	Lyons ...	29.88	39	NNW	1	C	29.94	+06	34	30	+1	NNW	1	6	*	43	30	-	
	Nice ...	29.77	46	NE	1	0	29.83	+07	48	46	+3	Z	0	6C	1	55	41	-	
	Perpignan ...	29.80	48	NW	3	0	29.94	+09	42	39	0	W	3	0	*	57	41	-	
	Biarritz ...	29.94	45	NW	5	0	29.89	+01	43	40	+4	NNW	7	6	3	46	39	0.04	
	Coranna ...	*	*	*	*	*													
	Lisbon ...	29.89	51	NNE	5	6C	29.96	+24	49	45	+2	NNW	7	6	2	57	46	-	

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on Monday, 9th April.

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.

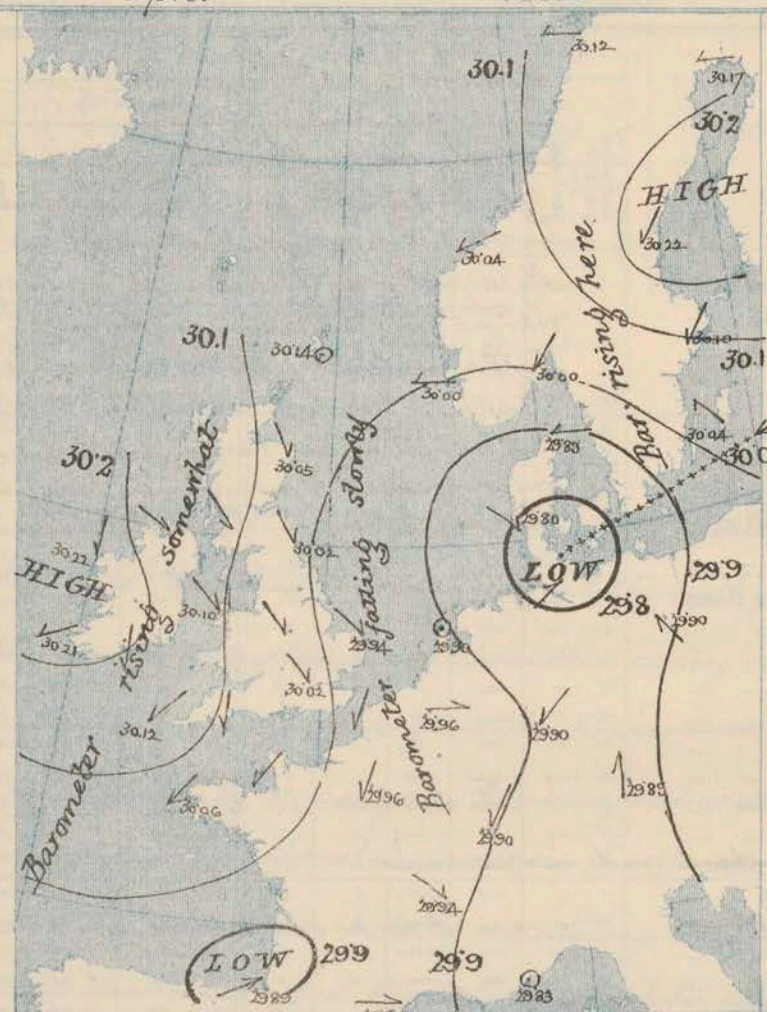
— Rough. — High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS	MEAN READINGS
	in.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.857
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.885
Roche's Point	29.888
Pembroke	29.844
Scilly	29.840
Jersey	29.867
Hurst Castle	29.867
Dover	29.866
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



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.

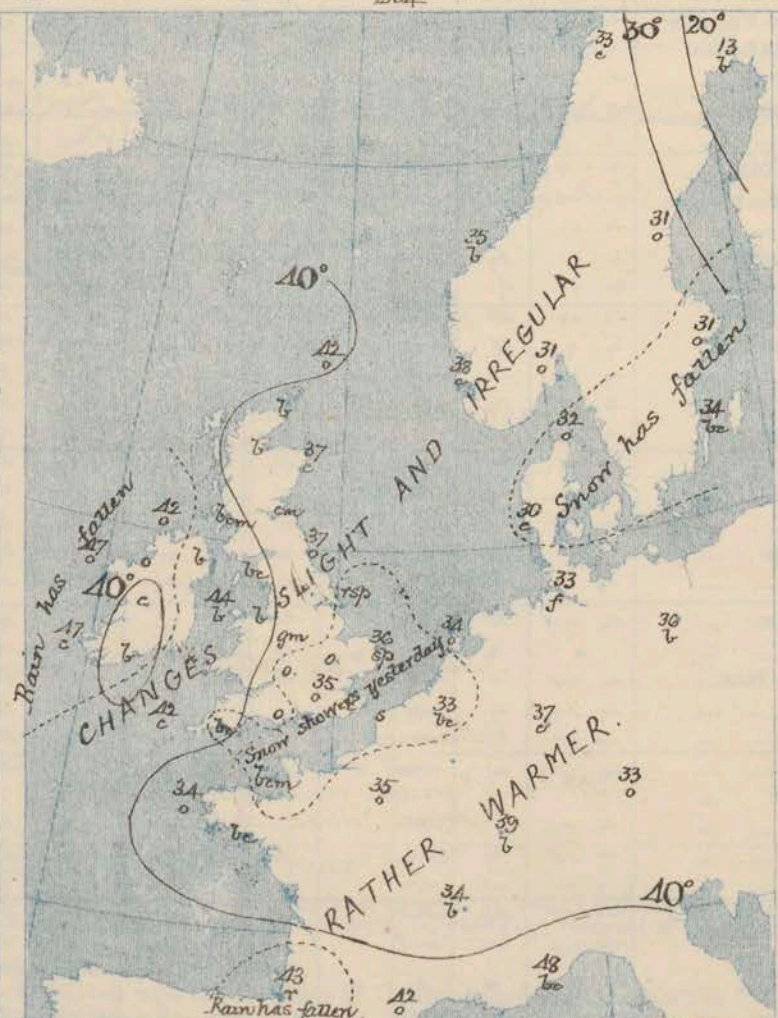
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of April.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	46.3	37.3	41.9	40.5	2.16
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	49.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.5	38.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	42.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	42.6	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	46.2	44.2	1.86
Liverpool	53.0	40.7	45.5	42.6	1.56
Parsonstown	55.0	38.3	45.7	43.0	2.15
Valencia	54.8	42.9	48.4	45.9	4.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	52.5	45.0	49.0	47.1	2.45
Jersey	54.6	43.6	49.0	46.4	2.04
Hurst Castle	52.3	41.4	45.9	44.6	1.87
Dover	51.5	42.4	47.1	44.5	1.81
LONDON	56.7	40.0	46.8	43.8	1.86
Oxford	55.1	39.3	45.0	42.7	1.79
Cambridge	56.2	37.7	45.5	43.3	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

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 Gulf of Bothnia, and also ⁱⁿ the west of Ireland. Lowest 29.8 ins and less in a depression lying over the south of Denmark; 29.9 ins. and less in another disturbance lying over the southwest of France. Gradients slight. Barometer falling in Denmark, and the northern and eastern parts of Great Britain, but rising elsewhere.
TEMPERATURE	Highest 49° at Lisbon, 48° at Nice, 47° at Belmullet and Valencia, 46° at Mullaghmore and Holyhead, and 3° at Androssan and Biarritz. Lowest 13° at Kaperanda, 30° at Fano and Parsonstown, 31° at Hernimand, Stockholm and Zaerder, and 32° at Hagen.
WIND	Slight frost occurred last night in most parts of the United Kingdom. N.E. or E. in Scandinavia and the north of Denmark; light to fresh in force. Light or moderate from N.W. or N. over the greater part of our Islands. S. or S.E. in Germany; variable in the east of France; strong from the W.S.W. at Biarritz.
WEATHER	Fair over the greater part of Western Europe but dull in places. Snow showers are falling in the east of England and rain at Biarritz. Showers of sleet or "grape" fell yesterday in many parts of the United Kingdom and rain at some of the Irish stations.
SEA	Slight or smooth generally.



PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over Denmark is apparently advancing slowly in a southwest direction towards our southeast coasts, and freshening N. winds are probable in the east and south of England, with snow showers in many places. On our west and north coasts the weather is likely to remain generally fair for a time.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N th winds, light or moderate; fair generally, but slight local showers.	6 SCOTLAND WEST	N th winds, moderate; fair generally.
1 SCOTLAND EAST	.....D.....D.....D.....	7 ENGLAND N. W.	.....D.....D.....D.....
2 ENGLAND N. E.	Same as N ^o 5.	8 ENGLAND S. W.	NE ^{ly} and N th winds, moderate or fresh; fair generally.
3 ENGLAND EAST	Same as N ^o 5.	9 IRELAND NORTH	Same as N ^{os} 6 and 7.
4 MIDLAND COUNTIES	Same as N ^o 5.	10 IRELAND SOUTH	Same as N ^{os} 6 and 7.
5 ENGLAND SOUTH	NW ^{ly} to N th winds, freshening; changeable, some sleet showers.		
		WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.04	40	35	NW 6	6	3	Holyhead ...	30.12	40	36	NNE 4	6	3
Sumburgh Head ...							Valencia ...						
Stornoway ...	30.11	49	48	S 3	6	2	Scilly ...						
Aberdeen ...							Jersey ...	29.95	43	38	N 3	6C	3
Shields ...							Dungeness ...	29.90	38	36	E 5	C	4
Ardrossan ...							London ...						*
Malin Head ...	30.11	45	43	S 2	0	1	Yarmouth ...						
Mullaghmore ...							Rochefort ...	29.99	49	42	NNE 5	C	2
Belmullet ...	30.13	47	46	N 3	0g	*							

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

Yesterday morning's reports showed that pressure had increased considerably over northern Europe while it had decreased a little in all other regions, and that readings varied from 30.3 ins. and more over Lapland and the shores of the White Sea to between 29.8 ins. and 29.9 ins. over the whole of Central and southern Europe and the Mediterranean, and to about 29.7 ins. in Algeria. In the north and west the wind was E. to N. E. in direction, and though light generally blew strongly at some of the English stations and in the Channel, where it was accompanied by squally weather and occasional cold showers. Temperature was very low - the line of frost (at 8 a.m.) embracing the whole of Finland, the Baltic, Sweden, Denmark, North Germany and Switzerland, together with certain of the northern parts of France, while even in the south of France, the readings were all below 50°. The lowest individual values were 13° at Archangel, 16° at Haparanda, 22° at Uleaborg and Prague, 23° at Kuopio, 27° at Copenhagen and Warsaw, 28° at Stockholm and Larnacow, 29° at Hangö and Helsingfors, and 31° at Havre; the highest were 64° at Rishra (Algeria) 59° at Algiers, 54° at Barcelona, 51° at Kharkov and Nicolaieff, 48° at Corunna, and 46° at Lisbon and San Fernando. [The reports from Italy and the southeastern shores of the Mediterranean are not to hand.]

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 1ST TO THE 7TH APRIL 1888.

During the past week barometrical pressure has been continuously high to the westward and low to the eastward and southward of our Islands. The prevailing winds have therefore been N. or N.E. and the weather very cold for the time of year, with frequent showers of sleet or snow over the more eastern parts of the United Kingdom. At the commencement of the week the high pressure system in the west extended over the greater part of our Islands, and fair weather was reported generally, with light N.W. winds in the north, but moderate N.E. winds in the south. The anticyclone, however, subsequently moved further to the westward, and during the remainder of the time its central position was usually located off the west of Ireland. Over northern, central and southern Europe large but comparatively shallow areas of low pressure were found, the most important of these being shown over the southern parts of the Iberian Peninsula on the 6th, when gales and snowstorms occurred in Spain. In our Islands the weather was not materially affected by these large systems, but numerous shallow disturbances passed across Great Britain in a southerly direction, occasioning local variations in the N. winds with sleet or snow showers. The only one of these disturbances which was at all clearly defined appeared on the 3rd to 4th when a small depression advanced over Scotland and passed across Wales and the South-west of England to the Bay of Biscay where it finally dispersed. At the close of the week a low pressure area over the Baltic was inclined to spread south-westwards towards our Islands, and the indications were becoming increasingly unsettled. Temperature was at first a little above the average but as the week progressed it fell steadily, especially over England, where some sharp night frosts were experienced. From the 3rd onwards the daily maxima were below 45° at most of the English stations.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for **TUESDAY 10TH APRIL 1888.**
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					9 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.			
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	30.06	16	Z	0	6	29.95	-0.22	11	10	-2	S	2	6	+	34	-2	-	
	Hernösand ...	30.08	33	X	0	0	29.98	-0.24	29	27	-2	X	0	C	+	41	25	-	
	Stockholm ...	30.08	32	X	0	0	30.03	-0.07	?	28	?	NNW	2	0	+	39	28	-	
	Wisby ...	30.11	29	SE	4	6	30.06	+0.02	27	27	-7	NNW	2	0	+	43	27	-	
	Bodö ...	29.97	33	X	0	6	29.87	-0.25	34	31	+1	SE	2	0	2	39	28	-	
	Christiansund...	29.99	37	WNW	4	6	29.97	-0.07	39	33	+4	S	3	C	3	41	32	-	
	Skudesnaes ...	30.06	37	X	0	0	30.07	+0.07	37	32	-1	X	0	0	2	43	37	-	
	Christiania Fjord (Farder)	30.05	33	NW	4	0	30.06	+0.06	32	30	+1	NNE	2	C	1	34	28	-	
	Skagen (The Scaw)	30.02	31	SE	1	0	30.03	+0.14	33	31	+1	SE	1	6	1	?	30	0.04	
	Fanö ...	29.91	31	SE	4	0	29.97	+0.17	32	31	+2	E	3	6	+	34	28	0.06	
BRITISH ISLANDS.	Sumburgh Head	30.01	42	X	0	0	29.97	-0.07	42	41	0	X	0	C	0	45	38	0.06	
	Stornoway ...	30.12	46	N	5	0			44	48	+3	N	1	6	1	45	33	0.12	
	Wick ...	30.04	42	X	0	0	30.00	-0.08	42	42	+5	X	0	0	0	46	36	0.12	
	Nairn ...	30.04	43	X	0	0	30.04	-0.07	42	42	+5	X	0	0	0	46	36	0.12	
	Aberdeen...	30.03	40	ENE	2	7	30.06	+0.01	37	36	0	NNW	1	4	2	46	34	0.2	
	Leith ...	30.03	43	N	1	0	30.08	-0.01	41	40	+5	X	0	6	+	48	35	0.09	
	Shields ...	29.98	39	NNW	2	0	30.08	+0.06	40	37	+3	N	2	C	3	43	32	-	
	Spurn Head ...	29.93	36	NE	3	0	30.04	+0.07	38	35	+3	NNW	4	C	3	41	31	0.06	
	York ...	29.97	38	N	2	0	30.09	+0.07	38	35	+2	NNW	2	C	+	43	28	0.01	
	Loughborough	29.96	42	NNW	3	0	30.08	+0.04	36	34	+1	NW	2	6	+	44	39	0.01	
GERMANY.	Ardrossan ...	30.02	35	N	2	0	30.08	+0.01	46	43	+3	NW	2	C	1	35	40	-	
	Malin Head ...	30.14	44	NNW	4	0	30.14	-0.01	45	45	+3	NNW	3	0	4	45	42	0.01	
	Mullaghmore ...	30.20	47	NNW	5	0	30.19	0.0	47	46	+3	NNW	5	0	3	50	41	-	
	Belmullet ...	30.27	48	NNW	4	0	30.24	+0.02	46	45	-1	N	3	+	+	50	43	0.05	
	Donaghadee ...	30.07	47	N	5	6	30.14	+0.02	47	44	+5	N	6	C	5	49	42	-	
	Barrow-in-Furness	30.02	44	NW	3	C	30.11	+0.03	39	37	+1	E	3	0	+	48	38	-	
	Liverpool (Bidston)	30.03	40	NNW	3	C	30.13	+0.06	38	35	-3	ENE	1	0	2	44	37	-	
	Holyhead ...	30.04	44	NW	3	C	30.12	+0.02	42	42	-2	NNW	4	0	4	47	42	0.01	
	Parsonstown ...	30.17	48	NW	2	0	30.24	+0.03	44	42	+14	X	0	+	+	51	29	-	
	Valencia ...	30.27	48	NNW	4	0	30.31	+0.10	50	48	+3	NW	2	0	2	50	43	0.03	
FRANCE & NETHERLANDS.	Roche's Point...	30.15	50	NNW	4	C	30.23	+0.06	47	44	+10	NNW	4	6	3	52	36	-	
	Pembroke ...	30.08	44	NW	3	C	30.16	+0.03	43	42	+1	N	4	0	2	44	40	-	
	Scilly ...	30.14	43	NW	5	C	30.19	+0.07	46	43	+4	NNW	6	0	4	46	40	0.04	
	Prawle Point ...	30.07	42	NW	3	C	30.12	+0.02	42	42	+1	NW	3	?	2	50	34	-	
	Jersey ...	30.04	44	NW	3	6	30.08	+0.02	45	40	+5	NW	3	0	3	46	39	-	
	Hurst Castle ...	29.95	44	NNW	4	C	30.08	+0.02	40	37	+6	NNE	3	6	1	46	34	-	
	Dungeness ...	29.92	40	NNE	3	0	29.97	-0.01	34	33	0	N	3	C	2	43	30	0.02	
	London ...	29.94	41	NNW	2	6	30.04	+0.02	36	33	+1	N	3	6	+	43	32	0.03	
	Oxford ...	29.98	39	NW	3	0	30.09	+0.04	37	34	+3	N	3	6	+	42	31	-	
	Cambridge ...	29.98	40	N	3	+	30.05	+0.04	36	34	-2	N	1	6	+	46	28	0.04	
PENINSULA.	Yarmouth ...	29.87	36	NNE	3	C	29.99	+0.05	36	34	0	NNE	4	6	4	39	32	0.17	
	Cuxhaven ...	29.87	35	NE	1	5	29.94	+0.07	34	32	+1	ENE	1	7	+	36	31	-	
	Berlin ...	29.93	41	X	0	6	29.93	+0.03	39	36	+3	ENE	2	C	+	46	32	-	
	Wiesbaden ...	*	*	*	*	*	29.91	+0.01	36	34	-1	NW	1	0	+	46	30	0.04	
	Munich ...	29.89	37	X	0	0	29.90	+0.01	33	33	0	SW	3	5	+	43	30	0.28	
	The Helder ...	29.88	33	N	?	0	29.94	+0.04	34	32	0	NNE	3	C	3	37	33	0.03	
	Brussels ...	*	*	*	*	*	29.91	-0.05	33	32	0	NW	1	0	+	40	32	0.20	
	Cape Gris Nez...	29.93	39	N	4	0	29.96	-0.01	35	33	-1	N	7	C	5	43	34	0.08	
	Paris ...	29.97	41	NNW	4	C	29.93	-0.03	33	33	-2	NW	3	0	+	46	32	0.08	
	Brest ...	30.13	42	NW	5	0	30.14	+0.08	46	41	+12	NW	5	0	3	46	32	-	
PENINSULA.	Lorient ...																		
	Rochefort ...																		
	Belfort ...	29.90	44	SW	1	6	29.98	+0.08	36	35	-3	NNW	1	0	+	46	27	-	
	Lyons ...	29.92	44	N	1	6	30.03	+0.09	35	32	+1	NW	4	6	+	50	34	-	
	Nice ...	29.84	43	ENE	1	+	29.91	-0.12	44	39	-4	NNW	1	6	1	55	37	-	
	Perpignan ...	29.96	43	NW	5	0	30.08	+0.14	45	38	+3	NW	5	6	+	57	41	-	
	Biarritz ...	30.05	44	N	3	+	30.25	+0.36	47	40	+4	NW	5	0	2	46	39	0.35	
	Corunna ...	*	*	*	*	*													
	Lisbon ...	30.01	51	N	7	6	30.12	+0.16	47	42	-2	NNE	7	6	4	61	46	0.08	

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts on 1.

WEATHER CHARTS

for 8 a.m. on *Tuesday, 10th April, 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.

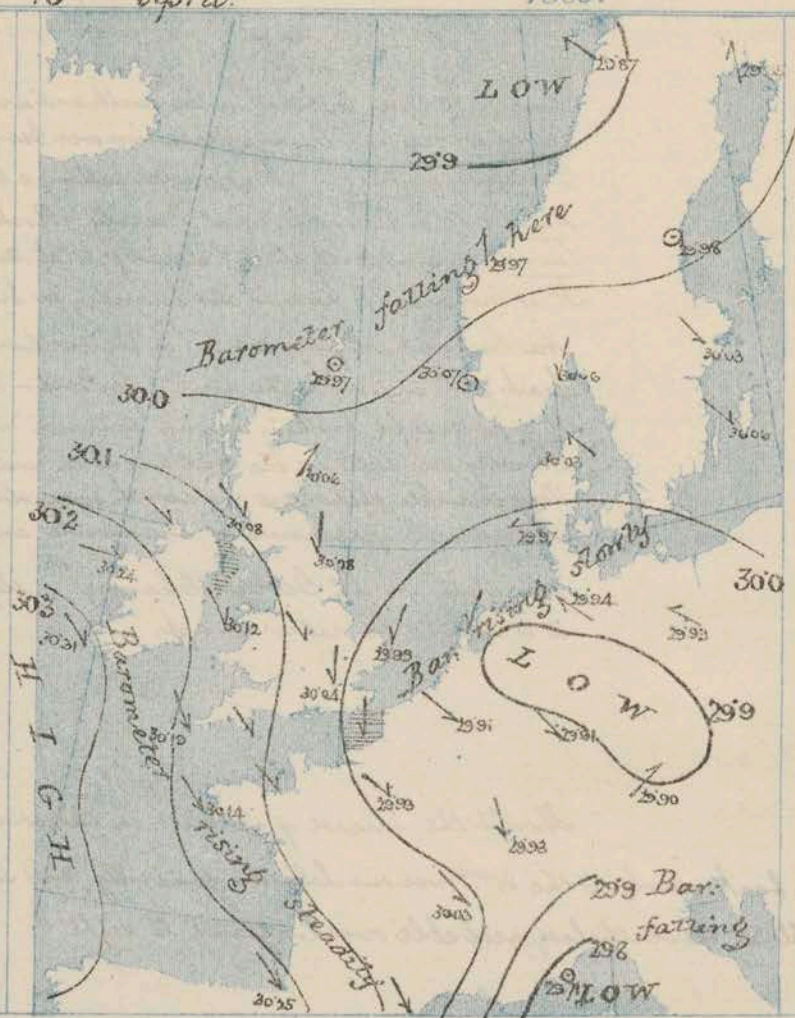
■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
	int.
Sumburgh Head.	29.849
Stornoway.	29.821
Wick.	29.853
Nairn.	29.853
Aberdeen.	29.852
Leith.	29.865
Shields.	29.870
York.	29.877
Loughborough.	29.878
Ardrossan.	29.867
Donaghadee.	29.853
Holyhead.	29.851
Liverpool.	29.864
Parsonstown.	29.853
Valencia.	29.885
Roche's Point.	29.838
Pembroke.	29.844
Scilly.	29.849
Jersey.	29.867
Hurst Castle.	29.867
Dover.	29.866
LONDON.	29.877
Oxford.	29.882
Cambridge.	29.879
Yarmouth.	29.876



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.

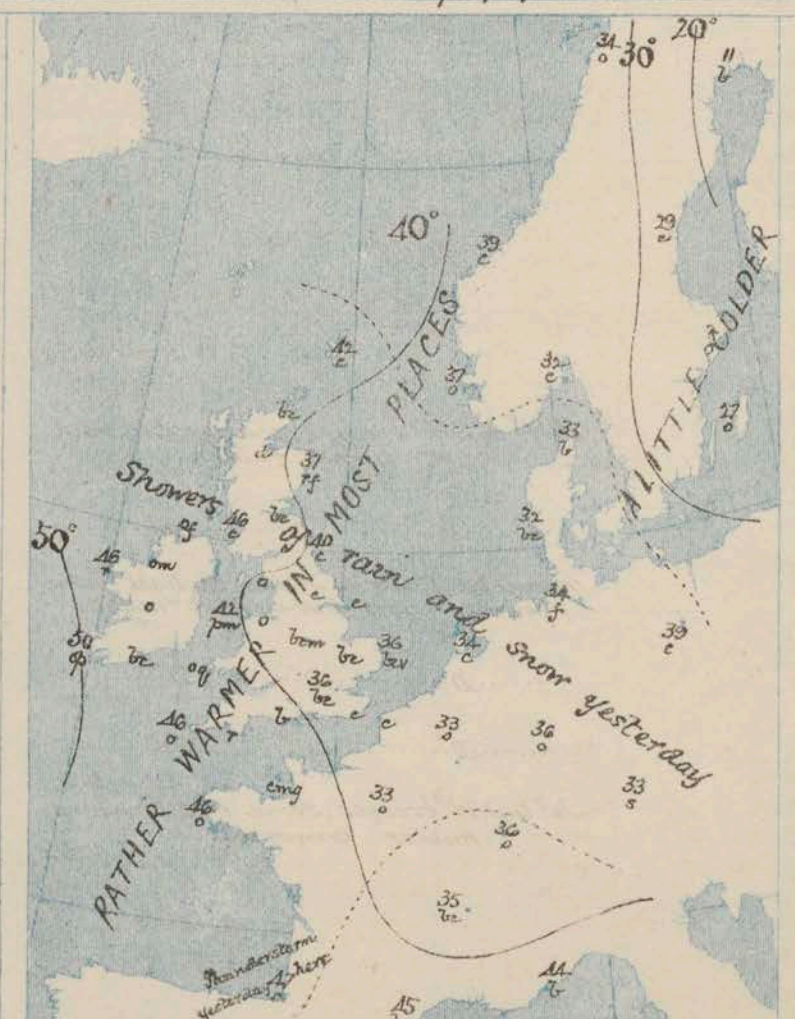
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	46.3	37.3	41.9	40.5	2.16
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	40.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.6	38.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	42.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.8	45.1	42.6	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.03
Holyhead	51.9	42.4	48.2	44.2	1.86
Liverpool	53.0	40.7	45.5	42.6	1.56
Parsonstown	55.0	38.3	45.7	43.0	2.15
Valencia	54.8	42.9	48.4	45.9	4.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	53.5	45.0	49.0	47.1	2.45
Jersey	54.6	43.6	49.0	46.4	2.04
Hurst Castle	52.3	41.4	45.9	44.6	1.67
Dover	51.5	42.4	47.1	44.5	1.81
LONDON	55.7	40.0	46.8	43.8	1.86
Oxford	55.1	39.3	45.0	42.7	1.79
Cambridge	55.2	37.7	45.5	43.3	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

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. to 30.3 ins. in the south and west of Ireland, and apparently over the southwest of France and north of Spain etc.. Lowest 29.9 ins. and less in a depression over Germany, and also over the north of Norway. Gradient slight. Barometer falling a little in north and northwest, rising in southwest and south.
TEMPERATURE	Highest 56° at Valencia, 54° at Biarritz, Roches Point and Mullaghmore 56° at Belmullet. Lowest 41° at Haparanda, 47° at Ulsby, 53° at Munich, ^{Paris} and Brussels, 56° in London, and 57° at Aberdeen. It is inclined to rise in our Islands; in Ireland the rise is considerable.
WIND	Has become light from the S.W. in the northwest of Norway - calm in Scotland. Fresh N.W. and W. in the north of Ireland - moderate to fresh N.W. and N.W. over England and France. It appears to be backing on our extreme northwestern coasts.
WEATHER	Showery and dull in the west and north, with fog in places. Very variable elsewhere, - clear at some stations, cloudy at others. The general appearance is changeable and unsettled.
SEA	Moderate in St. George's Channel, slight or smooth elsewhere. At Cape Gris-Nez however, it is said to be rather rough.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Should the increase of pressure in the southwest and south continue it is probable that the wind will back slowly to the W. over our Islands generally, and to S.W. in the north, with milder weather. A cold night is, nevertheless, probable over England to night.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW ² to SW ⁴ breezes; changeable, rain at times, milder.	6 SCOTLAND WEST	Same as N ^o 0 and 1.
1 SCOTLAND EAST	.....D.....D.....D.....	7 ENGLAND N. W.	Same as N ^o 2 to 4.
2 ENGLAND N. E.	Wind backing to NW. or W., light; some showers, milder, but cold at night.	8 ENGLAND S. W.	Same as N ^o 5.
3 ENGLAND EAST	.....D.....D.....D.....	9 IRELAND NORTH	N ^o and SW ² winds, moderate; showery.
4 MIDLAND COUNTIES	.....D.....D.....D.....	10 IRELAND SOUTH	NW ² and W ² breezes moderate; changeable, local showers.
5 ENGLAND SOUTH	N ^o to NW ² breezes, some cold showers, milder tomorrow.	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnæs ...	30.06	44	55	E 4	c	3	Holyhead ...	30.06	45	42	NNW 4	bc m	4
Sumburgh Head ...	30.02	42	41	NNE 1	o	1	Valencia ...	30.25	49	47	N 5	o	2
Sornoway ...	30.11	50	48	N 6	bc	4	Scilly ...	30.15	46	38	NNW 5	o	5
Aberdeen ...	30.02	46	43	N 5	c	2	Jersey ...	30.09	45	38	NNW 3	c	3
Shields ...	29.97	43	39	N 4	c	4	Dungeness ...	29.95	43	40	NNE 3	c	2
Ardrossan ...	30.01	45	45	N 2	o	1	London ...	29.97	42	39	NNW 4	o	*
Malin Head ...	30.12	44	44	N 4	of	4	Yarmouth ...	29.89	37	36	NNW 4	o 5 f	3
Mullaghmore ...	30.17	43	46	NW 5	o	4	Rochefort ...						
Belmullet ...	30.25	49	46	N 4	c	*							

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

The reports for yesterday morning showed that a large area of high pressure (30.1 ins. and upwards) was lying over Finland and the northern parts of Sweden and Russia, while another area of similar height existed over the west of the British Islands. The lowest pressures, 29.8 ins. and less, were found in a depression lying over the south of Denmark, but readings were relatively low, 29.9 ins. and less, in nearly all parts of Southern Europe. The wind was moderate from NE. or E. over Scandinavia and north Russia and N. or NW. over the greater part of our Islands and France, but in Algeria it was chiefly S. ^{by}, while over central and southern Europe it was light and variable. The weather was fair on the whole but a good deal of cloud was reported locally. Snow showers were falling in the east of England, and rain at Hermanstedt and Biarritz. Temperature had changed very irregularly, and readings ranged from between 55° and 65° over Algeria and the southern parts of Spain and Italy to 15° and less over Lapland and northern Russia. The highest individual readings were 65° at Sfax and Malta, 63° at Brindisi 60° at Algiers, Tunis and Biskra, 58° at Cagliari, Palermo and La Calle and 57° at Oran; the lowest were 13° at Haparanda, 19° at Archangel, 24° at Uleaborg, 26° at Memel, 28° at Neufahrwasser, 30° at Oso, Fani, Hamburg and Parsonstown and 31° at Kuopio, Hernösand, Stockholm, Faerder, Prague, Munster and Cassel. In the course of the day the barometer rose decidedly over France and Spain, while it fell slowly over the north and east of our Islands. The changes in wind and weather were however slight and unimportant.

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 11th April 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		+ YESTERDAY EVENING						3 A.M. TO DAY.										PAST 24 HOURS		
STATIONS		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Reading at 32° F. and Sea Level.	Difference from 32° F. yesterday.	SURF TEMP.		Difference from 8 a.m. yesterday.	WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
				Dir.	Force. (0 to 12.)				Dry.	Wet.		Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.	Haparanda ..	29.83	14	Z	0	f	29.79	- .16	15	15	+ 4	Z	0	b	*	32	1	-		
	Hernösand ...	29.80	33	Z	0	c	29.70	- .28	36	33	+ 7	E	2	bc	*	48	21	-		
	Stockholm ...	29.88	35	SW	2	0	29.76	- .27	31	27	+ 1	WSW	4	b	*	41	23	-		
	Wisby ...	30.02	28	WSW	4	b	29.89	- .17	36	27	+ 3	WSW	2	b	*	37	23	-		
	Bodö ...	29.82	37	Z	0	0	29.75	- .12	39	36	+ 5	E	2	0	1	41	?	0.08		
	Christiansund...	29.90	38	WSW	3	bc	29.69	- .28	36	32	- 3	ESE	3	bc	4	43	32	-		
	Skudesnaes ...	30.01	35	Z	0	bc	29.73	- .34	35	33	- 2	SSE	6	0	4	43	35	-		
	Christiania Fjord (Færd)	29.97	32	Z	0	b	29.82	- .24	32	29	0	W	2	b	1	36	27	-		
	Skagen (The Seav)	29.98	32	Z	0	0	29.85	- .18	29	29	- 4	SW	1	0	1	24	25	-		
	Fanö ...	30.00	32	NNW	1	c	29.87	- .10	33	32	+ 1	W	2	0	*	39	32	-		
BRITISH ISLANDS.	Sumburgh Head	29.83	40	SSW	2	r	29.52	- .45	38	37	- 4	NNW	3	0	3	47	35	0.25		
	Stornoway ...	29.84	45	SW	2	r	29.64	- .36	42	40	- 2	N	6	bc	3	48	35	0.17		
	Wick ...	29.84	47	WNW	1	0	29.74	- .30	41	40	- 1	W	2	c	2	50	37	0.10		
	Nairn ...	29.93	41	SW	3	opa	29.71	- .35	41	39	+ 4	NNW	5	c	2	46	36	0.06		
	Leith ...	29.95	44	SW	1	e	29.77	- .31	47	43	+ 6	W	3	c	*	52	40	0.02		
	Shields ...	29.99	39	S	3	0	29.77	- .31	44	41	+ 4	NNW	3	or	2	44	37	0.03		
	Spurn Head ...	30.06	38	ESE	1	c	29.79	- .25	41	41	+ 3	WSW	3	ogm	2	42	36	0.01		
	York ...	30.05	42	SSE	1	0	29.80	- .29	46	44	+ 8	NNW	5	0	*	46	37	0.04		
	Loughborough	30.07	43	E	1	0	29.85	- .23	46	44	+ 10	WNW	3	0	*	48	36	0.03		
	Ardrossan ...	29.95	45	SW	1	r	29.82	- .26	45	43	- 1	W	4	c	3	48	42	0.15		
GERMANY.	Malin Head ...	29.95	45	WNW	4	of	29.93	- .21	43	42	- 2	NNW	3	cp	3	46	43	0.08		
	Mullaghmore ...	30.04	47	W	5	r.f	30.02	- .17	45	44	- 2	WNW	5	cp	4	47	44	0.12		
	Belmullet ...	30.11	48	NNW	4	0	30.08	- .16	47	46	+ 1	NNW	4	0	*	49	45	0.12		
	Donaghadee ...	30.00	46	NNW	4	0	29.92	- .22	46	45	- 1	NNW	4	c	2	48	44	0.17		
	Barrow-in-Furness	30.05	43	SW	2	r	29.86	- .25	43	42	+ 4	NNW	4	0	*	45	38	0.13		
	Liverpool (Bidston)	30.07	42	W	3	r	29.90	- .23	44	43	+ 6	W	5	0	3	47	38	0.05		
	Holyhead ...	30.08	44	SW	3	rm	29.95	- .17	45	44	+ 3	W	4	cm	4	48	42	0.10		
	Parsonstown ...	30.11	47	WSW	2	0	30.07	- .17	47	45	+ 3	Z	0	0	*	50	42	0.05		
	Valencia ...	30.10	50	NNW	3	cm	30.19	- .12	50	49	0	NNW	3	odm	4	51	46	0.18		
	Roche's Point...	30.10	48	W	2	r	30.08	- .15	50	48	+ 3	NNW	4	c	4	50	45	0.16		
FRANCE & NETHERLANDS.	Pembroke ...	30.15	44	NNW	2	r	30.02	- .14	45	44	+ 2	NNW	2	om	2	48	42	0.07		
	Scilly ...	30.21	47	NNW	5	op	30.06	- .13	48	48	+ 2	NNW	5	f	5	48	40	0.18		
	Prawle Point ...	30.15	45	NNW	3	0	30.02	- .10	47	46	+ 5	WNW	3	0	2	48	38	0.05		
	Jersey ...	30.15	44	NNW	2	og	30.05	- .03	45	44	0	W	3	fr	3	45	41	0.04		
	Hurst Castle ...	30.12	42	WSW	2	c	29.97	- .11	43	43	+ 3	WSW	3	om	2	47	40	0.01		
	Dungeness ...	30.07	40	NE	3	ov	29.93	- .04	42	42	+ 8	W	3	r	2	43	34	-		
	London ...	30.10	40	N	1	0	29.91	- .13	42	41	+ 6	WSW	1	0	*	42	36	0.04		
	Oxford ...	30.10	41	N	2	0	29.91	- .18	44	43	+ 7	SW	2	od	*	46	36	0.03		
	Cambridge ...	30.08	39	Z	0	0	29.86	- .19	42	42	+ 6	SW	1	0	*	42	34	0.02		
	Yarmouth ...	30.05	38	N	3	cv	29.87	- .12	40	39	+ 4	SSW	3	om	2	40	33	-		
PENIN. ISLANDS.	Cuxhaven ...	30.01	35	?	3	c	29.97	+ .03	37	36	+ 3	WNW	3	bc	*	39	34	-		
	Berlin ...	29.92	45	ESE	1	0	29.91	- .02	38	24	- 1	ESE	1	0	*	48	34	-		
	Wiesbaden ...	*	*	*	*	*	29.97	+ .06	40	36	+ 4	N	2	c	*	46	36	-		
	Munich ...	29.83	32	W	4	S	29.79	- .11	31	31	- 2	SW	6	S	*	37	30	0.51		
	The Helder ...	30.04	35	W	1	bc	29.94	- .06	36	34	+ 2	SW	1	bc	1	37	34	-		
	Brussels ...	*	*	*	*	*	30.04	+ .13	35	33	+ 2	SSW	3	c	*	37	?	-		
	Cape Gris Nez...	30.06	37	NNE	4	0	29.97	+ .01	40	39	+ 5	SW	5	0	2	43	35	0.04		
	Paris ...	30.06	36	N	3	c	30.12	+ .19	34	32	+ 1	S	1	0	*	43	30	0.08		
	Brest ...	30.23	46	NNW	5	0	30.12	- .02	46	43	0	NNW	5	0	4	50	34	0.12		
	Lorient ...	30.18	46	N	5	0	30.13	- .05	45	45	-	WSW	3	f	4	48	41	0.04		
FRANCE & NETHERLANDS.	Rochefort ...	30.18	37	NNW	7	0	30.24	+ .09	44	40	- 1	SW	4	0	2	50	36	-		
	Belfort ...	29.91	39	NNW	1	0	30.04	+ .11	35	33	- 1	NNW	1	c	*	41	30	0.04		
	Lyons ...	30.07	36	NNW	4	0	30.15	+ .12	32	31	- 3	NNW	5	S	*	43	?	-		
	Nice ...	29.72	47	NNW	7	b	29.78	+ .07	43	36	- 1	N	3	b	0	57	37	-		
	Perpignan ...	30.09	51	W	5	bc	30.15	+ .07	44	40	- 1	NNW	5	0	*	55	39	0.04		
	Biarritz ...	30.25	49	NNW	8	0	30.27	+ .02	50	45	+ 3	NNW	7	0	2	50	45	0.04		
	Corunna ...	*	*	*	*	*														
	Lisbon ...	*	*	*	*	*														

WEATHER CHARTS

for 8 a.m. on Wednesday, 11th April.

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.

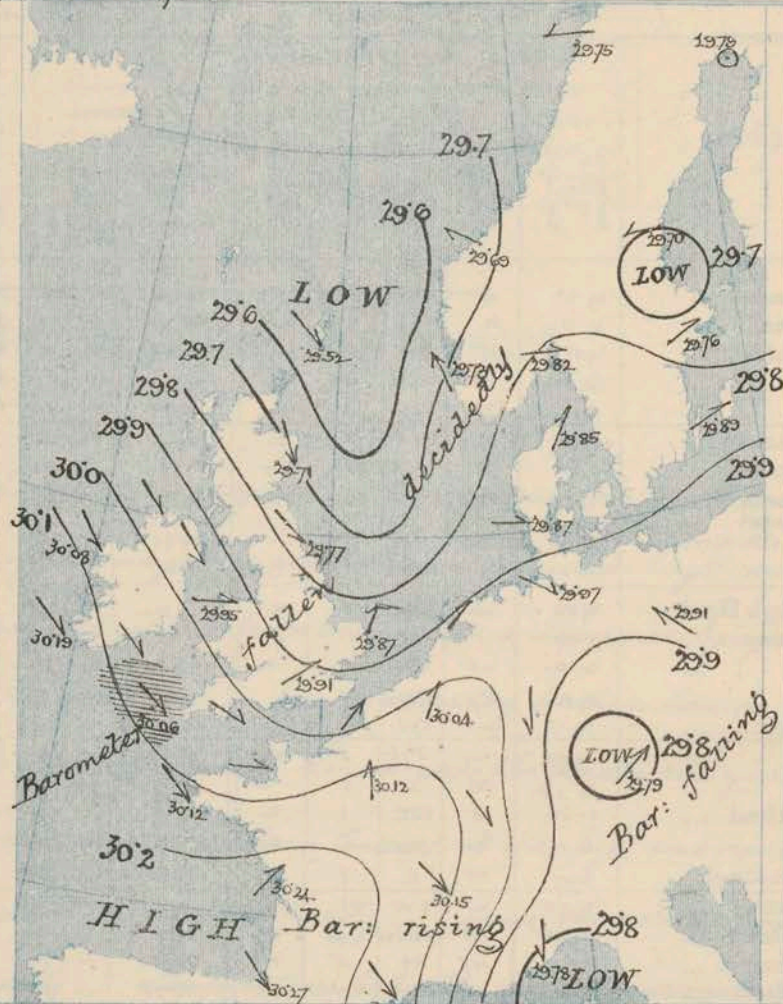
— Rough — High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.857
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Roche's Point	29.838
Pembroke	29.844
Scilly	29.849
Jersey	29.867
Hurst Castle	29.867
Dover	29.868
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



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.

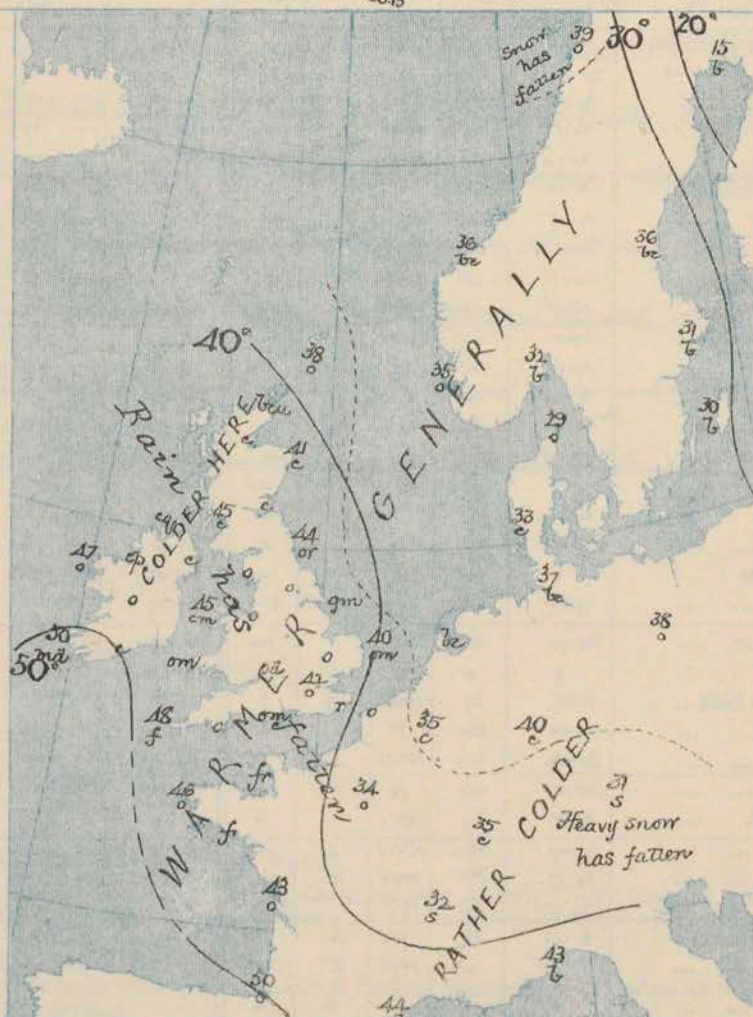
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of April.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	Dry. at 8 a.m.	Wet	
Sumburgh Head	46.3	37.3	41.9	40.5	2.16
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	49.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.0	1.23
Aberdeen	49.6	38.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	42.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	42.6	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	46.2	44.2	1.86
Liverpool	53.0	40.7	45.5	42.6	1.56
Parsonstown	55.0	38.3	45.7	43.0	2.15
Valencia	54.3	42.9	48.4	45.0	4.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	52.5	45.0	49.0	47.1	2.45
Jersey	54.0	43.6	49.0	46.4	2.04
Hurst Castle	52.3	41.4	45.9	44.6	1.87
Dover	51.5	42.4	47.1	44.5	1.81
LONDON	56.7	40.0	46.8	43.8	1.86
Oxford	55.1	39.3	45.0	42.7	1.79
Cambridge	56.2	37.7	45.5	43.3	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.3 ins. and more over the southwest of France, 30.1 ins. and more in the southwest of Ireland, and 30 ins. and more over Belgium and the east of France.
 Lowest 29.5 ins. over the Netherlands, 29.7 ins. at Helsingfors, 29.6 ins. to 29.9 ins. in a V-shaped secondary system over the North Sea, and 29.8 ins. in local depressions over Baffin and the Gulf of Genoa.
 Gradients moderate for NW. and W. winds in our Islands. Barometer falling - most in the north and northeast.

TEMPERATURE

Highest 50° at Biarritz, Valencia and Rocher's Point, 48° at Scilly, 47° at Belmullet.
 Lowest 15° at Haparanda, 29° at the Lax, 30° at Wisby, 31° at Munich, 34° at Paris, 35° at Brussels and Skudenass.
 It has risen in most places since yesterday, but is beginning to fall again in the northwest.

WIND

SE. to E. in the west of Norway - SW. to W. in the south of Sweden, on the eastern and southern shores of the North Sea, and in the south and southeast of England.
 NW. on our western coasts, N. in Scotland - strong at Ullist.

WEATHER

Fair as a whole in the North. Dull, gloomy, misty and unsettled elsewhere, with rain in many parts of Ireland and England, snow at Munich.
 Rainfall, though general, has been slight in our Islands.

SEA

Rather rough at Scilly - moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of dull and rather showery weather with lower temperatures than those now prevalent seems probable.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW ² winds, strong to moderate; cloudy, cold showers.
1	SCOTLAND EAST	.....D°.....D°.....D°.....
2	ENGLAND N.E.	Same as N° 4.
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	NW ² winds, freshening; cloudy, cold showers.
5	ENGLAND SOUTH	Wind veering to NW ² ; dull, colder, showery.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NW ² winds, moderate or fresh; dull, cold showers at times.
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.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	30.00	47	30	WNW	2	0	2	Holyhead ...	30.12	47	44	W	1	0	2
Samburgh Head ...	29.90	45	42	SSW	2	C	1	Valencia ...	30.27	49	48	N	3	adm	3
Stornoway ...	29.89	50	50	SW	4	r	4	Seilly ...	30.22	48	45	WN	6	be	4
Aberdeen ...	30.00	45	43	S	3	C	2	Jersey ...	30.14	45	39	NNE	3	ogm	3
Shields ...	30.06	44	41	ENE	3	C	3	Dungeness ...	30.04	40	36	NE	3	0	3
Ardrossan ...	30.05	45	45	W	1	r	1	London ...	30.09	40	36	N	3	0	*
Malin Head ...	30.04	45	45	WSW	3	of	3	Yarmouth ...	30.04	40	36	NNE	3	be	3
Mullaghmore ...	30.10	46	45	SSW	4	ad	3	Rochefort ...	30.37	48	47	WN	7	C	3
Belmullet ...	30.12	48	47	SW	4	om	*								

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

The reports for yesterday morning showed that pressure varied from between 30.2 ins. and 30.3 ins. over Ireland and the Bay of Biscay, and from 30.0 ins. and more in an irregularly shaped band which lay over the North Sea, Baltic and Finland, to above 29.7 ins. in a small depression over the Gulf of Genoa, and to about 29.9 ins. over Germany, southern and western Russia, and also over the northwest of Norway. Varying NW^{ly} to NE^{ly} winds prevailed over Ireland, England and France, with cold and rather showery weather, SE^{ly} airs, cloudy weather and local snow showers over Germany, while over the northern parts of the British Islands calms and W^{ly} winds were reported with rain at several stations.

Temperature had begun to recover at some of the extreme western stations and to a smaller extent over Central Europe, frost at 8 a.m. being reported over Sweden and northern Europe only. The lowest individual readings were 11° at Haparanda, 12° at Archangel, 22° at Uleaborg, 27° at Utsjok, 29° at Hernösand, and 30° at Stockholm; the highest were 64° at Biskra (Algeria) and Sfax (Tunis), 61° at Malta and Brindisi, 53° at Cagliari, 52° at Rome, Livourne, Lesina, Trieste, Operto and Corunna, 51° at Barcelona, and 50° at Valencia.

Later on the barometer fell rather decidedly over the British Islands, and the wind there backed towards W and SW, with showery, milder weather and an unsettled appearance.

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 12th APRIL 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.			
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	29.75	37	Z	0	0	29.80	+ .01	34	32	+ 19	E	4	0	*	43	14	—	
	Hernösand ...	29.67	32	NE	4	5	29.71	+ .01	37	38	+ 1	SE	2	0	*	37	28	0.16	
	Stockholm ...	29.74	31	Z	0	6	29.74	— .02	36	32	+ 5	Z	0	m	*	37	25	—	
	Wisby ...	29.82	32	W	4	6	29.78	— .11	33	31	+ 3	SSE	2	6	*	41	27	—	
	Bodö ...	29.71	37	E	2	0	29.69	— .06	39	34	0	ENE	2	6	1	41	34	—	
	Christiansund...	29.60	35	SSE	1	6	29.58	— .11	34	30	— 2	ESE	1	6	1	41	28	—	
	Skudesnaes ...	29.58	35	SSE	2	0	29.67	— .06	36	32	+ 1	E	1	0	3	36	34	—	
	Christiania Fjord	29.68	31	SSE	3	m	29.67	— .15	30	29	— 2	N	4	0	1	34	27	—	
	(Fjord)																		
	Skagen (The Scaw)	29.62	32	S	1	0	29.62	— .23	33	33	+ 4	ESE	1	0	1	36	28	—	
Fanö ...	29.50	33	SSE	6	0	29.41	— .46	34	33	+ 1	SE	4	0	*	37	32	0.08		
BRITISH ISLANDS.	Sumburgh Head	29.51	40	NNW	4	c	29.65	+ .13	39	37	+ 1	NNW	3	0	3	44	35	0.02	
	Stornoway ..																		
	Wick ...	29.62	40	N	5	c	29.71	+ .08	42	39	— 2	NE	2	6	2	45	32	0.05	
	Nairn ...	29.74	40	NNW	6	c	29.73	— .01	38	36	— 3	Z	0	6	1	45	33	0.03	
	Aberdeen...	29.68	41	NNW	5	6	29.79	+ .02	40	37	— 1	NNW	2	0	2	46	35	0.05	
	Leith ...	29.77	42	W	4	6	29.77	— .00	44	39	— 3	W	1	6	*	54	34	—	
	Shields ...	29.75	43	NNE	1	c	29.76	— .01	44	39	0	N	3	0	3	52	33	0.02	
	Spurn Head ...	29.78	43	NNW	3	6	29.76	— .03	41	38	0	NNW	5	6	3	47	37	0.03	
	York ...	29.80	46	NNW	3	6	29.78	— .02	42	38	— 4	N	3	6	*	55	35	0.01	
	Loughborough	29.85	47	NNW	4	c	29.82	— .03	41	39	— 5	NNW	3	0	*	52	39	—	
GERMANY.	Ardrossan ...	29.84	45	NNW	6	6	29.77	— .05	43	41	— 2	Z	0	0	0	49	39	—	
	Malin Head ...	29.96	43	NNW	3	6	29.79	— .20	40	40	— 3	S	3	0	3	46	38	0.08	
	Mullaghmore ...	30.04	47	NNW	4	6	29.76	— .26	48	48	+ 3	NNW	5	0	4	51	43	0.34	
	Belmullet ...	30.08	47	NNW	2	0	29.81	— .27	50	50	+ 3	W	6	0	*	50	46	0.42	
	Donaghadee ...	29.97	45	N	4	6	29.80	— .12	40	40	— 6	S	3	0	1	48	39	0.06	
	Barrow-in-Furness	29.89	43	NNW	4	6	29.81	— .05	42	40	— 1	NNW	3	0	*	48	40	—	
	Liverpool (Bidston)	29.93	46	NNW	6	c	29.83	— .07	41	39	— 3	W	1	0	2	48	39	0.02	
	Holyhead ...	29.98	44	N	3	c	29.80	— .15	39	39	— 6	ESE	1	0	2	52	38	0.22	
	Parsonstown ...	30.09	50	NNW	2	0	29.85	— .22	50	49	+ 3	W	3	0	*	56	45	0.05	
	Valencia ...	30.19	51	NNW	3	omg.	30.02	— .17	51	50	+ 1	W	5	0	4	57	48	0.02	
FRANCE & NETHERLANDS.	Roche's Point...	30.11	51	NNW	5	c	29.94	— .14	52	50	+ 2	NNW	4	0	4	54	48	—	
	Pembroke ...	30.03	47	NNW	3	6	29.85	— .17	45	45	0	WSW	5	0	5	48	44	0.06	
	Seilly ...	30.13	49	NNW	5	c	30.01	— .05	49	48	+ 1	NNW	6	0	5	50	45	0.01	
	Prawle Point ...	30.09	50	NNW	4	6	29.91	— .11	48	47	+ 1	W	4	0	3	54	39	0.03	
	Jersey ...	30.01	47	NNW	3	c	29.95	— .10	46	45	+ 1	W	4	0	3	49	45	0.06	
	Hurst Castle ...	29.92	51	NNW	4	6	29.87	— .10	42	42	— 1	WSW	1	0	1	54	41	0.01	
	Dungeness ...	29.81	50	NNW	4	c	29.87	— .12	43	40	+ 1	NNW	3	0	3	53	34	—	
	London ...	29.86	49	NNW	4	c	29.84	— .07	42	39	0	NNW	2	0	*	52	39	—	
	Oxford ...	29.81	45	NNW	3	c	29.80	— .05	41	38	— 3	W	2	0	*	53	39	—	
	Cambridge ...	29.84	44	NE	2	0	29.87	— .05	44	41	+ 2	NNW	1	0	*	55	35	—	
PENIN-SULA.	Yarmouth ...	29.76	41	NNW	3	c	29.77	— .10	40	38	0	NNW	4	0	4	49	34	0.09	
	Cuxhaven ...	29.71	39	SW	5	+	29.54	— .43	38	38	+ 1	W	4	0	*	41	36	0.10	
	Berlin ...	29.76	43	Z	0	6	29.56	— .35	39	37	+ 1	SSW	1	0	*	48	36	—	
	Wiesbaden ...	*	*	*	*	*	29.71	— .26	39	36	— 1	W	2	0	*	46	?	0.32	
	Munich ...	29.93	30	W	7	0	29.65	— .14	33	33	+ 2	W	6	0	*	34	25	0.28	
	The Helder ...	29.67	38	NNW	4	c	29.62	— .32	38	37	+ 2	NNW	4	0	3	41	36	0.12	
	Brussels ...	*	*	*	*	*	29.76	— .28	39	37	+ 4	NNW	4	0	*	45	37	0.12	
	Cape Gris Nez...	29.80	44	SW	5	0	29.82	— .15	41	38	+ 1	NNW	5	0	4	45	39	—	
	Paris ...	29.92	44	SW	3	0	29.92	— .20	42	37	+ 8	NNW	2	0	*	44	?	0.04	
	Brest ...	30.10	47	NNW	4	0	30.10	— .02	46	43	0	NNW	5	0	5	50	32	0.08	
PENIN-SULA.	Lorient ...	30.08	48	NNW	5	0	30.11	— .02	45	45	0	NNW	5	0	4	48	43	—	
	Rochefort ...	30.11	48	NNW	7	+	30.7	— .07	46	45	+ 2	NNW	7	0	3	48	39	0.08	
	Belfort ...	30.01	39	W	1	c	29.85	— .19	37	36	+ 2	W	1	0	*	39	31	0.04	
	Lyons ...	30.12	39	NNW	1	0	29.98	— .17	37	37	+ 5	NNW	1	0	*	44	32	0.04	
	Nice ...	29.82	48	ENE	1	6	29.62	— .16	30	39	+ 7	NNW	1	0	1	57	41	—	
	Perpignan ...	30.10	38	NNW	5	c	30.03	— .12	54	47	+ 10	NNW	7	0	*	57	44	—	
	Biarritz ...	30.24	50	W	8	+	30.24	— .03	52	49	+ 2	NNW	5	0	2	54	46	0.16	
	Corunna ...	*	*	*	*	*	30.23	— .03	52	49	+ 2	NNE	4	0	2	64	50	—	
	Lisbon ...	30.25	55	NNW	7	6	30.25	— .03	52	49	+ 2	NNE	4	0	2	64	50	—	

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on Thursday, 12th April.

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.

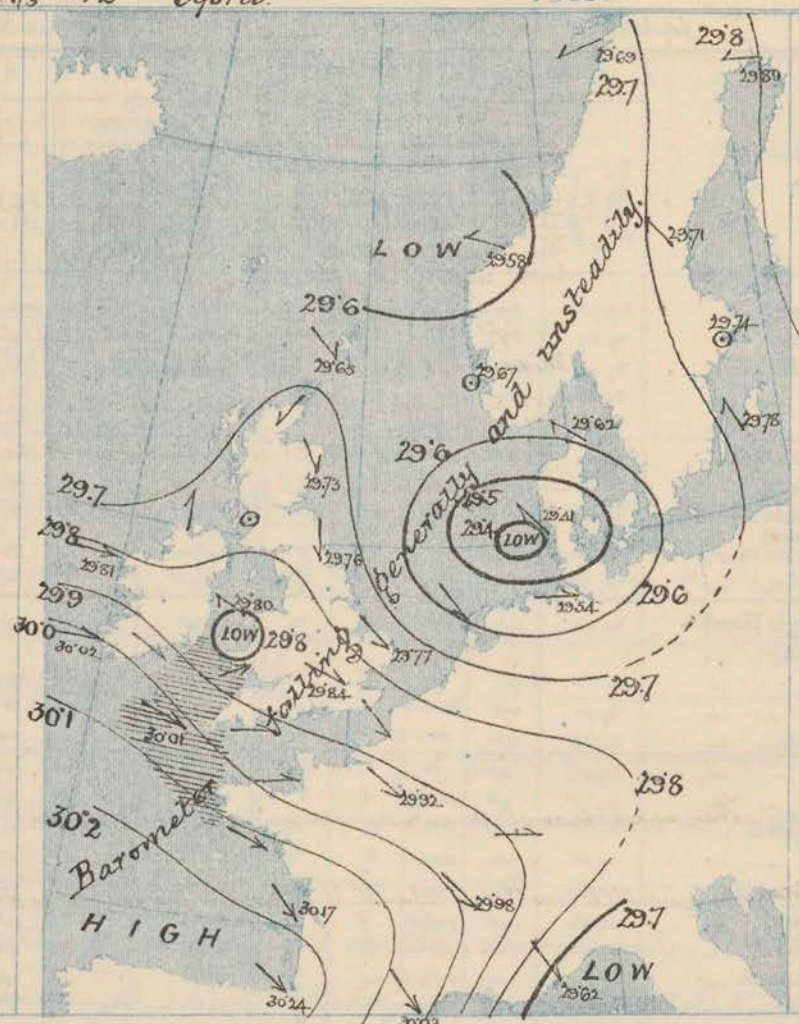
▨ = Rough. ▨ = High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS
	in.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.867
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Roche's Point	29.838
Pembroke	29.844
Scilly	29.849
Jersey	29.867
Hurst Castle	29.867
Dover	29.866
LONDON	29.877
Oxford	29.892
Cambridge	29.879
Yarmouth	29.876



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.

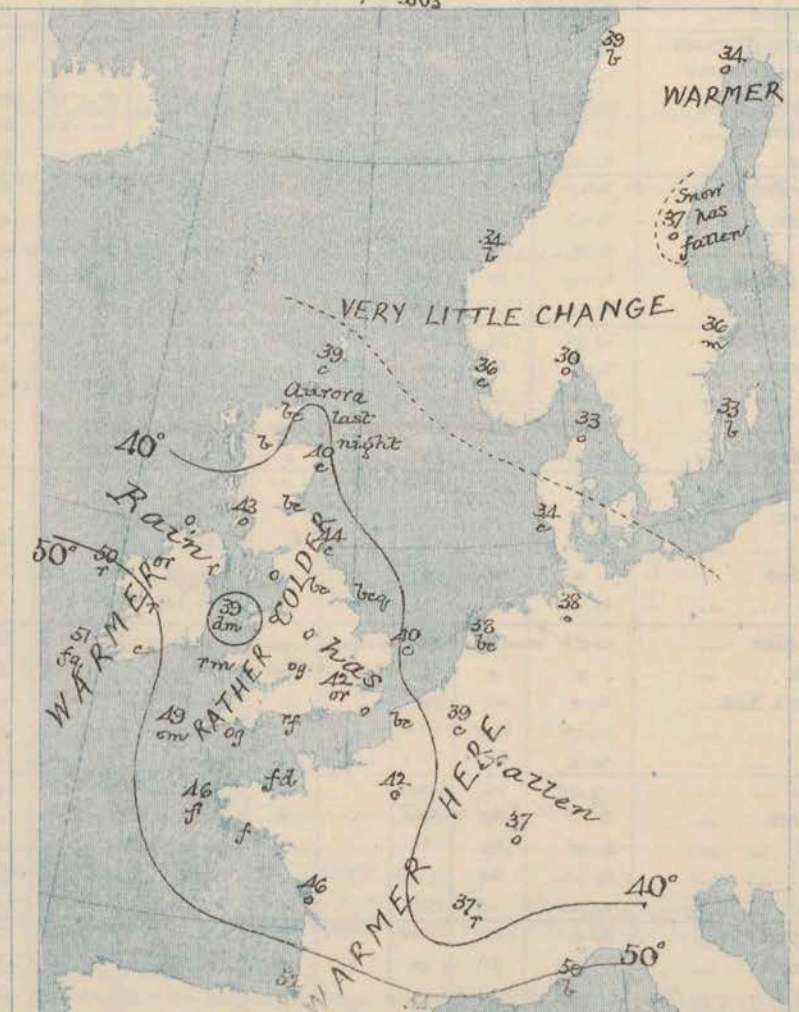
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of April.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	46.3	37.3	41.9	40.5	2.16
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	49.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.6	38.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	42.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	42.6	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	46.2	44.2	1.86
Liverpool	53.0	40.7	45.5	42.6	1.56
Parsonstown	55.0	38.3	45.7	43.0	2.15
Valencia	54.3	42.9	48.4	46.9	4.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	52.5	45.0	49.0	47.1	2.45
Jersey	54.6	43.6	49.0	46.4	2.04
Hurst Castle	52.3	41.4	45.9	44.6	1.87
Dover	51.5	42.4	47.1	44.5	1.81
LONDON	56.7	40.0	46.8	43.8	1.86
Oxford	55.1	39.3	45.0	42.7	1.79
Cambridge	56.2	37.7	45.5	43.3	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.10 ins. to 30.25 ins. over the Bay of Biscay and Spain - 29.8 ins. and more over Denmark and apparently higher over Russia. Lowest, 29.7 ins. and less, off our NW. coasts, 29.6 ins. and less, off the N. of Norway, 29.4 ins. to 29.6 ins. over the North Sea, and 29.6 ins. over the Gulf of Genoa. Gradients variable, both in direction and steepness - moderate as a whole. Barometer falling generally and unsteadily.
TEMPERATURE	Highest, 54° at Liverpool, 52° at Larn, Biarritz, and Rochepoint, 51° at Valencia. Lowest, 30° at Berder, 33° at the Scaw and Kieby, 34° at Fano, Christiana and Hafslunda. It is changing irregularly in our Islands, but has risen fast in Larkland. In the south of Ireland and some parts of England it rose to between 50° and 51° yesterday.
WIND	Very light SE to E in Denmark and Norway, and also (locally) at Holyhead. Moderate and variable from between SW and NW, over Ireland and England - N ^{ly} in Scotland. NW ^{ly} in France. There is apparently a strong "mistral" in the south of France.
WEATHER	Fine in Scotland and the coast of Norway - dull elsewhere, with rain in several places. Fog prevails in the southwest - much snow at Munich. Rain has fallen at several of our stations, most in the northwest of Ireland.
SEA	Rather rough in the southwest, moderate in the west and south, slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The appearance of so many disturbances between the two high pressure areas mentioned above seems to show that rainy unsettled weather is about to prevail over our Islands generally.

FORECASTS

for the 24 hours ending at NOON on 13th April

1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	Varying light winds; changeable, some rain.	6 { SCOTLAND WEST	SW ^{ly} and W ^{ly} winds; dull, wet, changeable.
1 { SCOTLAND EAST	D ^{ly} D ^{ly} D ^{ly}	7 { ENGLAND N. W.	D ^{ly} D ^{ly} D ^{ly}
2 { ENGLAND N. E.	D ^{ly} D ^{ly} D ^{ly}	8 { ENGLAND S. W.	W ^{ly} (NW. to SW.) winds; cloudy, rainy, unsettled.
3 { ENGLAND EAST	NW ^{ly} and varying winds, light; unsettled, rain at times.	9 { IRELAND NORTH	D ^{ly} D ^{ly} D ^{ly}
4 { MIDLAND COUNTIES	D ^{ly} D ^{ly} D ^{ly}	10 { IRELAND SOUTH	D ^{ly} D ^{ly} D ^{ly}
5 { ENGLAND SOUTH	W ^{ly} and SW ^{ly} winds; unsettled, rain at times.	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 ...	29.62	34	33	SSE	6	sr	4	Holyhead ...	29.97	47	44	WNW	4	c	4
Gumburgh Head	29.51	43	40	NW	3	bc	3	Valencia ...	30.20	34	32	WNW	3	o	3
Stornoway ...								Scilly ...	30.10	50	48	NW	6	o	4
Aberdeen ...	29.69	45	41	NW	4	bcq	2	Jersey ...	30.01	49	47	W	3	o	3
Shields ...	29.74	45	42	NW	4	c	3	Dungeness ...	29.84	44	44	W	4	c	3
Ardrossan ...	29.85	46	42	WNW	6	bc	4	London ...	29.87	50	47	WNW	3	o	*
Malin Head ...	29.97	45	43	NNW	4	bc	5	Yarmouth ...	29.75	48	45	NW	4	bc	3
Mullaghmore ...	30.00	46	45	WNW	5	cp	4	Rochefort ...	30.17	48	47	SW	5	o	2
Belmullet ...	30.12	49	45	WNW	3	o	*								

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

The reports for yesterday morning showed that pressure was highest, 30.3 ins. and upwards, in an anticyclone lying over the central and northern parts of the Iberian Peninsula, and lowest, 29.6 ins. and less, in a depression lying between the Shetlands and Norwegian coast. In addition, however, to the latter system a large shallow depression was situated over southern Russia, and small disturbances over Sweden and south Germany. The wind was moderate or fresh from the NWnd over the greater part of our Islands and France, and SW^{ly} in Italy and Austria, but over Russia and northern Europe generally, light variable breezes were reported. The weather was fine in Algeria and the south of France, but cloudy or overcast elsewhere, with rain in many parts of Ireland and England, and snow at Munich. Temperature had risen several degrees in our Islands and the northern parts of France and Russia, but fallen in most other localities; readings ranged from between 55° and 65° at several of the Algerian and Spanish stations, as well as in the south of Italy, to 32° or less over the Baltic and the south of Scandinavia^{and}, to 20° or less over Lapland. The highest individual readings were 62° at Biskra, 61° at Brindisi, 59° at Malta and Gran, 57° at Algiers and Aja, and 55° at Barcelona; the lowest were 15° at Haparanda, 28° at Neufahrwasser, 29° at Oso, 30° at Wisby and Memel, 31° at Stockholm, Copenhagen, Hango, and Munich, 32° at Munster, and 33° at Cassel, Fano, St. Petersburg, Riga and Warsaw.

In the course of the day the depression off the Shetlands moved slowly northeastward, but a well defined secondary disturbance formed over the North Sea near the Danish coast. Over our Islands the weather improved decidedly, and at the English stations the thermometer rose to between 50° and 55°.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Friday, 13th April 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					9 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		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 ..	29.93	27	E	2	C	30.04	+2.4	22	21	-12	E	4	C	*	39	23	-	
	Hernösand ...	29.86	24	2	0	C	29.99	+2.8	27	27	-10	2	0	C	*	43	23	-	
	Stockholm ...	29.92	41	2	0	F	29.97	+2.3	35	32	-1	2	0	C	*	41	27	-	
	Wisby ...	29.91	30	E	2	C	29.94	+1.6	35	32	+2	ESE	4	C	*	45	27	-	
	Bodö ...	29.76	37	S	2	O	29.85	+1.6	39	37	0	ESE	2	C	1	41	36	-	
	Christiansund...	29.69	37	SSE	1	C	29.73	+1.5	36	34	+2	ESE	3	C	2	43	32	0.08	
	Skudesnaes ...	29.77	36	2	0	C	29.60	-0.7	39	36	+3	SE	6	C	4	45	36	-	
	Christiania Fjord (Farder)	29.91	35	WNW	2	m	29.83	+1.6	35	33	+5	ESE	3	O	1	36	30	-	
	Skagen (The Scaw)	29.79	35	SE	2	O	29.80	+1.8	38	38	0	S	2	O	2	36	32	-	
	Fanö ...	29.75	36	SE	2	C	29.74	+3.3	38	38	-1	SSE	4	F	*	43	32	-	
BRITISH ISLANDS.	Sumburgh Head	29.57	40	SSE	1	C	29.28	-3.7	37	37	-2	SSE	6	T	1	42	36	0.28	
	Stornoway ..	29.38	42	S	8	T	29.29	-4.2	45	45	+4	NW	6	T	5	45	40	0.23	
	Wick ...	29.35	40	SE	6	OU	29.24	-4.8	45	44	+5	NW	2	T	3	48	37	0.10	
	Nairn ...	29.47	43	WSW	1	C	29.29	-4.4	44	43	+6	SW	2	C	1	48	37	0.13	
	Aberdeen...	29.64	40	SSE	4	OU	29.30	-4.3	45	43	+5	NW	5	C	3	45	36	0.06	
	Leith ...	29.66	25	E	1	T	29.37	-4.0	48	45	+4	W	6	C	*	48	40	0.05	
	Shields ...	29.72	40	S	1	OU	29.48	-2.8	46	43	+2	W	6	C	2	46	38	0.19	
	Spurn Head ...	29.79	41	ESE	1	C	29.61	-1.5	46	43	+5	W	6	C	3	46	34	0.12	
	York ...	29.76	47	E	2	O	29.61	-1.7	48	44	+6	W	6	C	*	50	39	0.14	
	Loughborough	29.80	46	SW	1	T	29.71	-1.1	49	44	+5	WNW	4	C	*	50	40	0.17	
GERMANY.	Ardrossan ...	29.62	43	S	2	Tm	29.52	-2.5	45	44	+2	W	5	O	4	46	42	0.28	
	Malin Head ...	29.58	47	WSW	4	OF	29.57	-1.6	45	42	+5	WNW	5	ogp	5	47	40	0.22	
	Mullaghmore ...	29.70	49	WSW	5	T	29.72	-0.4	47	44	-1	WSW	6	cm	5	50	46	0.13	
	Belmullet ...	29.76	51	W	8	O	29.77	-0.4	49	44	-1	W	6	C	*	52	42	0.10	
	Donaghadee ...	29.67	46	NW	2	O	29.62	-1.8	48	45	+3	NW	6	C	4	50	40	0.14	
	Barrow-in-Furness	29.73	42	SE	3	T	29.62	-1.9	45	43	+3	WSW	5	OU	*	47	41	0.21	
	Liverpool (Bidston)	29.75	44	SSE	2	T	29.68	-1.5	46	42	+5	W	6	O	5	49	41	0.11	
	Holyhead ...	29.74	46	SW	3	Tm	29.75	-0.5	47	44	+8	WSW	5	ogm	4	50	39	0.11	
	Parsonstown ...	29.84	52	WSW	2	O	29.83	-0.2	48	44	-2	W	2	e	*	53	44	0.02	
	Valencia ...	29.98	52	W	5	Om	29.93	-0.9	52	51	+1	WSW	4	Om	4	53	49	-	
FRANCE & NETHERLANDS.	Roche's Point...	29.92	53	NW	5	C	29.87	-0.7	52	50	0	WSW	4	C	4	56	49	-	
	Pembroke ...	29.84	46	W	4	O	29.87	+0.2	46	46	+1	W	4	C	5	48	45	0.04	
	Scilly ...	29.98	49	WNW	7	O	30.00	-0.1	49	48	0	W	5	Om	5	50	47	-	
	Prawle Point ...	29.89	50	W	3	O	29.93	+0.2	49	48	+1	W	5	C	3	51	41	0.04	
	Jersey ...	29.90	47	W	4	Om	29.98	+0.3	47	46	+1	WNW	4	ogm	3	48	45	0.16	
	Hurst Castle ...	29.83	41	SSW	1	Tf	29.85	-0.2	45	45	+3	WSW	5	cm	2	47	42	0.04	
	Dungeness ...	29.80	42	W	3	O	29.76	-0.5	45	45	+2	W	4	C	3	46	40	0.02	
	London ...	29.87	47	NW	2	O	29.76	-0.8	53	49	+11	WNW	4	C	*	53	42	0.02	
	Oxford ...	29.82	44	SW	1	T	29.77	-0.9	50	48	+9	W	3	C	*	50	40	0.09	
	Cambridge ...	29.80	47	W	1	O	29.73	-0.8	48	45	+4	NW	2	C	*	52	41	0.04	
PENINSULA.	Yarmouth ...	29.79	43	N	1	C	29.66	-1.1	49	45	+9	WNW	4	C	3	49	38	0.06	
	Cuxhaven ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Berlin ...	29.70	41	NNE	1	O	29.87	+3.1	42	40	+3	SW	1	F	*	43	37	-	
	Wiesbaden ...	*	*	*	*	*	29.93	+2.2	41	39	+2	W	1	C	*	46	36	0.08	
	Munich ...	29.76	32	W	5	S	29.95	+3.0	38	32	0	W	5	m	*	39	30	0.04	
	The Helder ...	29.78	37	WNW	3	O	29.70	+0.8	37	36	-1	S	3	T	2	39	36	-	
	Brussels ...	*	*	*	*	*	29.82	+0.6	40	39	+1	SSW	4	O	*	46	36	-	
	Cape Gris Nez...	29.83	41	W	4	O	29.76	-0.6	42	42	+1	SW	5	F	4	46	39	-	
	Paris ...	29.88	41	2	0	O	29.91	-0.1	43	43	+1	SSW	1	O	1	45	40	0.20	
	Brest ...	30.05	47	WNW	5	O	30.05	-0.5	46	46	0	NW	5	F	3	50	41	?	

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on Friday, 13th April.

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

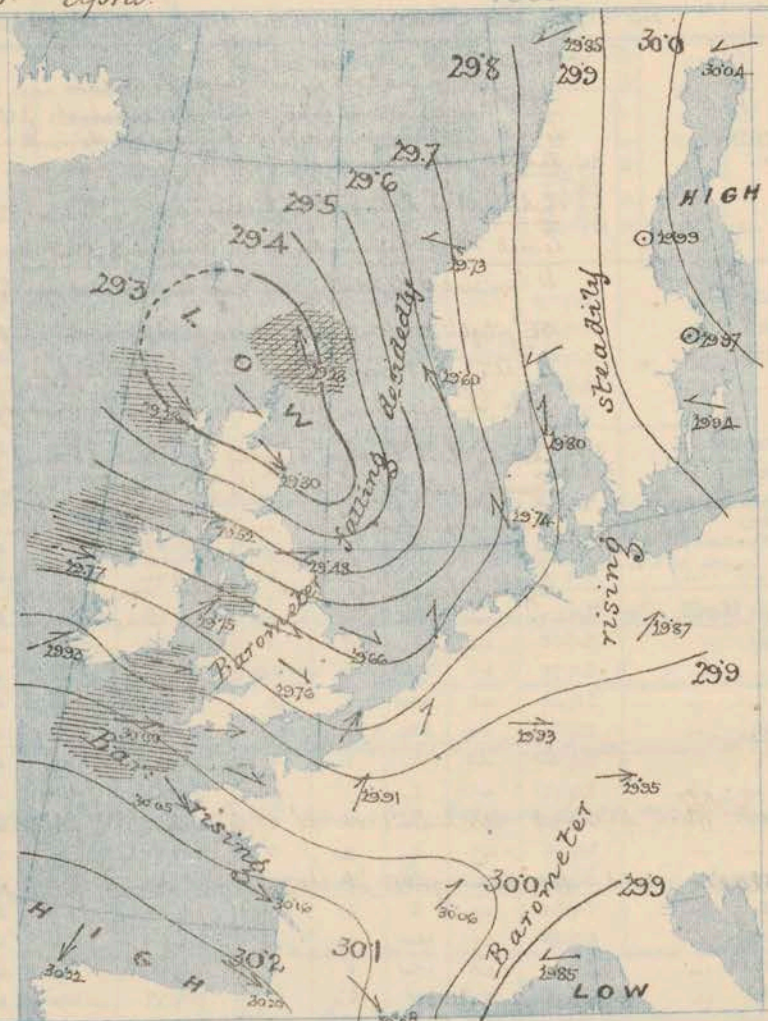
Barometer—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus—
 → = forces above 10 → = forces 8 to 10
 → = forces 5 to 7 → = forces 1 to 4
 ○ =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

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.857
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Roche's Point	29.838
Pembroke	29.844
Scilly	29.849
Jersey	29.867
Hurst Castle	29.867
Dover	29.866
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



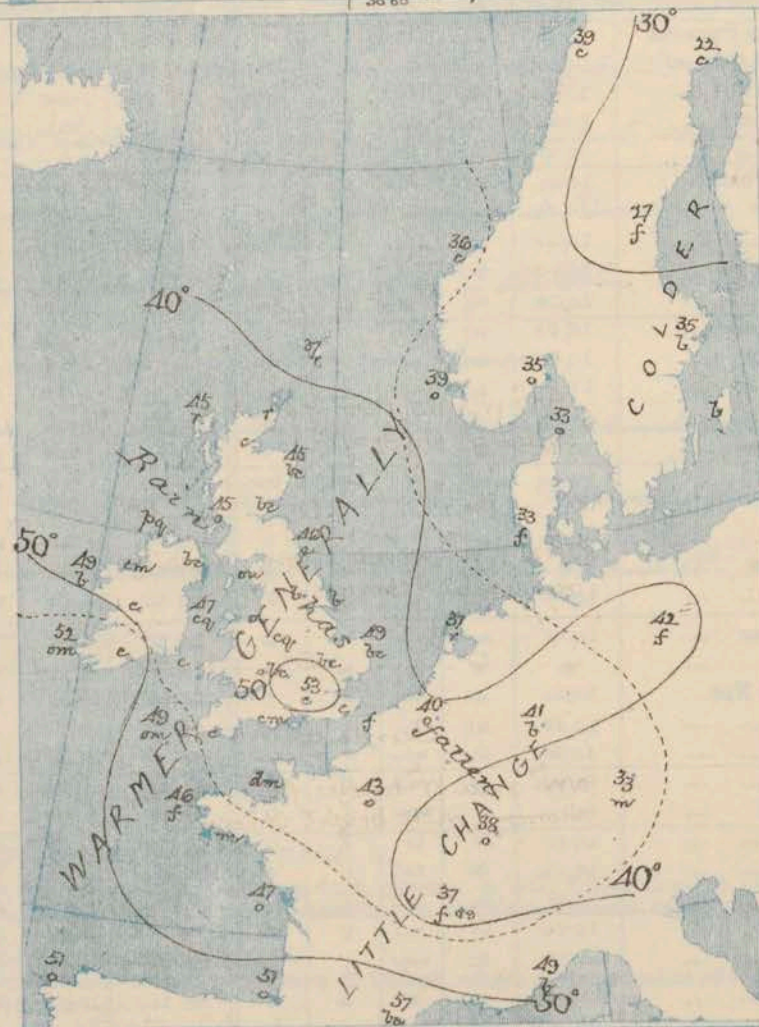
TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

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 April.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	at 8 a.m. Dry	Wet	
Sumburgh Head	46.3	37.3	41.9	40.5	2.18
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	49.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.6	38.5	43.4	40.3	2.23
Leith	52.6	38.2	44.2	42.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	42.0	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	46.2	44.2	1.86
Liverpool	53.0	40.7	45.5	42.6	1.56
Parsonstown	55.0	38.3	45.7	43.0	2.15
Valencia	54.3	42.9	48.4	45.9	4.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	52.5	45.0	49.0	47.1	2.45
Jersey	54.6	43.6	49.0	46.4	2.04
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Cambridge	58.2	37.7	45.6	43.3	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.10 in. to 30.22 in. over the north of Spain and the southern parts of Bay of Biscay.
 Lowest, 29.9 in. in a depression lying over the north and east of Scotland.
 Gradients rather steep in the north. Barometer rising over Scandinavia and Germany, falling in our Islands, - most in the northeast.

TEMPERATURE

Highest, 58° at Dublin, 57° at Liverpool, 53° in London, 52° at Kalmars and Rocher Point, 49° at Belmullet.
 Lowest, 22° at Naparanda, 21° at Hinnisland, 33° at Munich, 36° at Christiansund, and 38° at Lyons.
 It has risen decidedly over Great Britain during the night, but fallen in Sweden.

WIND

SE, light to strong on the eastern shore of the North Sea and at Limerick Head.
 W, strong and squally, over the United Kingdom and Bay of Biscay.
 S to SE gales were felt in the north and east of Scotland at about midnight.

WEATHER

Cloudy but fair in Norway. Fine at our Eastern stations.
 Squally and showery in the west, with a threatening appearance in places.
 Much rain has fallen in the southeast of France, and some showers have occurred in most parts of our Islands.

SEA

High at Limerick Head - rather rough at many of the W and NW stations, moderate to slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The present distribution of pressure is favourable for a continuance of squally, showery weather in most places, and for W² gales at times on some part of our western coasts.

FORECASTS

for the 24 hours ending at NOON on 14TH APRIL 1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW ² winds, strong a gale at times; squally, showery.
1	SCOTLAND EAST	-----D°-----D°-----D°-----
2	ENGLAND N.E.	W ² to NW ² winds, strong, squally, occasional showers.
3	ENGLAND EAST	-----D°-----D°-----D°-----
4	MIDLAND COUNTIES	Same as N° 5
5	ENGLAND SOUTH	NW ² and W ² breezes, fresh; squally, showery, with bright intervals.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as N° 0
7	ENGLAND N.W.	Same as N° 0
8	ENGLAND S.W.	W ² winds, fresh; squally, showery.
9	IRELAND NORTH	W ² and SW ² winds, force doubtful at present; unsettled, showery.
10	IRELAND SOUTH	-----D°-----D°-----D°-----

WARNINGS

The N. cone was hoisted last evening in districts 6, 7, 9, 10, and part of 8, and the S. cone in districts 0 and 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.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	29.75	44	36	W 1	b	3	Holyhead ...	29.76	46	46	S 1	o m	2
Samburgh Head ...	29.67	40	37	N 1	c	2	Valencia ...	30.01	53	52	W 5	o m	5
Stornoway ...	29.58	43	43	SW 6	r	4	Scilly ...	29.99	50	48	W 7	o m	5
Aberdeen ...	29.72	43	39	SE 2	b c	2	Jersey ...	29.90	47	46	W 3	r	3
Shields ...	29.75	43	40	NE 3	c	3	Dungeness ...	29.80	44	42	W 3	o	3
Ardrossan ...	29.71	43	42	SE 2	r	2	London ...	29.82	49	45	W 3	o	*
Malin Head ...	29.65	47	47	W 3	o	4	Yarmouth ...	29.77	44	41	W 4	c	4
Mullaghmore ...	29.74	49	49	W 5	o d	4	Rochefort ...	30.15	51	49	W 7	o	3
Belmullet ...	29.80	52	52	W 6	o	*							

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

The reports for yesterday morning showed that the highest pressures 30.2 ins: and upwards were reported over Spain and Portugal, while the lowest 29.4 ins: and less, were found in a depression the centre of which lay near Tams. A large area of relatively high readings was, however, situated over Finland and the Baltic and ^{a shallow depression} off the west of Norway, while another disturbance was apparently advancing towards the west of Scotland. Moderate to strong breezes from W or NW prevailed over the greater part of England, Ireland and France and varying E¹ (NE to SE) breezes over Scandinavia and Russia, but elsewhere the winds were light and very variable. The weather was fine in Scotland and the west of Norway, as well as in Spain, Algeria and N. Italy, but cloudy or overcast in most other localities with rain at many stations and snow in Finland, and some parts of Germany and Austria. Temperature had fallen somewhat over England and also in Italy and Russia, but risen elsewhere, readings ranged from 55° and 60° over Spain, Algeria and Italy to a little below 32° over some parts of Finland and Northern Russia. The highest individual readings were 61° at Oporto, 59° at Barcelona, Brindisi, Oran, Algiers and Spax, 58° at Palma and 57° at La Calle and Malta; the lowest were 17° at Archangel and Hango, 30° at Tander, 31° at Oso and Rys, 32° at Uleaborg, and 33° at Neby, Skagen, Kellingfort, St. Petersburg and Mende.

In the course of the day the depression near Tams dispersed, but the new disturbance off the west of Scotland advanced slowly eastwards, and occasioned very unsettled weather in the west and north of our Islands generally. A fresh S³ gale was experienced at night in the north of Scotland.

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, 14th April 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.			BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.														
			Dirce.	Force. (9 to 12.)	Weather.	Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirce.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.												
SCANDINAVIA.	Haparanda ..	30.13	25	Z	0	0	30.21	+ .17	27	26	+ 5	E	2	0	*	30	18	-											
	Hernösand ...	30.06	28	Z	0	0	30.12	+ .13	29	28	+ 2	NE	2	0	*	41	16	-											
	Stockholm ...	29.98	32	RSE	2	C	29.96	- .01	34	31	- 1	NNE	2	0	*	41	23	-											
	Wisby ...	30.02	33	E	4	bc	29.95	+ .01	37	33	+ 2	E	2	0	*	46	27	-											
	Bodö ...	29.92	35	ENE	2	b	29.97	+ .12	36	33	- 3	ENE	2	0	1	39	32	-											
	Christiansund...	29.76	40	Z	0	0	29.83	+ .10	38	34	+ 2	ESE	1	0	1	43	32	-											
	Skudesnaes ...	29.66	39	Z	0	0	29.80	+ .20	41	36	+ 2	ENE	1	0	3	41	39	-											
	Christiania Fjord (Færdet)	29.82	35	N	2	bc	29.88	+ .05	34	33	- 1	NE	5	0	1	39	32	-											
	Skagen (The Scaw)	29.76	35	SSE	3	0	29.83	+ .03	35	35	+ 2	SE	3	0	2	37	33	0.04											
	Fanö ...	29.61	37	SW	2	0	29.75	+ .01	38	37	+ 5	W	2	0	*	39	34	0.16											
BRITISH ISLANDS.	Sumburgh Head	29.50	40	NE	4	0	29.76	+ .28	40	40	+ 3	E	2	0	4	42	37	0.04											
	Stornoway ...	29.55	46	W	4	0	29.55	+ .26	45	45	0	Z	0	0	3	48	43	0.50											
	Wick ...	29.53	45	N	2	c	29.63	+ .89	44	44	- 1	S	1	0	1	51	39	0.10											
	Nairn ...	29.56	46	NW	1	C	29.60	+ .31	46	44	+ 2	SW	1	0	1	53	40	0.03											
	Aberdeen...	29.53	48	NNW	3	C	29.66	+ .36	48	45	+ 3	SW	2	0	1	55	40	0.02											
	Leith ...	29.65	44	W	4	bc	29.72	+ .35	53	49	+ 5	W	2	0	*	55	41	-											
	Shields ...	29.66	49	WSW	4	C	29.74	+ .26	51	49	+ 5	SW	2	0	2	55	43	-											
	Spurn Head ...	29.71	48	W	5	C	29.82	+ .21	48	46	+ 2	WSW	4	0	2	50	43	-											
	York ...	29.71	50	W	6	C	29.82	+ .21	51	49	+ 3	WSW	4	0	*	55	45	-											
	Loughborough	29.77	53	W	3	C	29.88	+ .17	48	47	- 1	WSW	3	0	*	56	47	0.01											
GERMANY.	Ardrossan ...	29.67	48	W	4	C	29.72	+ .20	46	46	+ 1	SW	4	0	3	51	43	0.03											
	Malin Head ...	29.68	45	WSW	3	0	29.69	+ .12	49	47	+ 4	SSW	3	0	2	49	45	0.07											
	Mullaghmore ...	29.71	50	SW	5	op	29.72	00	50	48	+ 3	SSW	4	0	3	52	46	0.01											
	Belmullet ...	29.70	51	SSW	6	0	29.71	- .06	49	48	0	SW	4	0	*	52	48	0.01											
	Donaghadee ...	29.74	50	NNW	4	0	29.76	+ .14	51	49	+ 3	SW	5	0	3	55	45	0.01											
	Barrow-in-Furness	29.74	40	W	3	0	29.79	+ .17	43	43	- 2	SW	4	0	*	49	42	0.12											
	Liverpool (Bidston)	29.78	50	WSW	5	0	29.85	+ .17	51	48	+ 5	SW	2	0	2	53	46	0.01											
	Holyhead ...	29.80	48	SW	4	op	29.84	+ .09	44	44	- 3	SSW	3	0	2	54	43	-											
	Parsonstown ...	29.82	52	SW	2	0	29.81	- .02	51	49	+ 3	SW	0	0	*	56	44	0.11											
	Valencia ...	29.86	52	SW	6	0	29.81	- .12	52	49	0	SSW	4	0	4	55	49	0.01											
FRANCE & NETHERLANDS.	Roche's Point...	29.89	50	WSW	5	r	29.83	- .04	48	46	- 4	WSW	2	0	3	57	46	0.05											
	Pembroke ...	29.89	46	WSW	4	b	29.90	+ .03	45	45	- 1	SSW	4	0	4	48	44	0.01											
	Scilly ...	30.01	50	WSW	4	cm	29.94	- .06	49	49	0	SW	4	0	5	53	46	0.05											
	Prawle Point ...	29.97	50	WSW	4	b	30.00	+ .07	45	45	- 4	SW	4	0	3	56	40	0.01											
	Jersey ...	30.03	49	W	4	ogm	30.03	+ .05	48	45	+ 1	WSW	2	0	2	52	45	-											
	Hurst Castle ...	29.80	47	WSW	5	bc	30.00	+ .15	47	47	+ 2	SW	4	0	3	57	43	-											
	Dungeness ...	29.80	47	W	6	bc	29.97	+ .21	43	42	- 2	W	3	0	2	50	41	-											
	London ...	29.84	55	W	4	C	29.96	+ .20	51	48	- 2	W	2	0	*	61	44	-											
	Oxford ...	29.88	51	WSW	3	0	29.95	+ .18	48	46	- 2	SW	3	0	*	60	44	-											
	Cambridge ...	29.80	55	WSW	2	C	29.93	+ .20	49	47	+ 1	SW	1	0	*	60	42	-											
PENIN-SULA.	Yarmouth ...	29.77	51	WSW	4	bc	29.89	+ .23	49	47	0	WSW	3	0	2	52	44	-											
	Cuxhaven ...	29.75	39	S	3	0	29.80	?	41	40	+ 6	WSW	3	0	*	43	37	0.06											
	Berlin ...	29.88	45	SW	3	0	29.85	- .02	45	43	+ 3	WSW	3	0	*	50	41	-											
	Wiesbaden ...	*	*	*	*	*	30.01	+ .08	45	44	+ 4	SW	1	0	*	48	37	0.08											
	Munich ...	29.99	39	W	3	0	30.06	+ .11	43	42	+ 10	SW	3	0	*	43	33	0.12											
	The Helder ...	29.76	42	WSW	3	C	29.88	+ .18	42	41	+ 5	WSW	1	0	2	46	37	0.04											
	Brussels ...	*	*	*	*	*	30.00	+ .18	47	46	+ 7	WSW	4	0	*	50	41	0.04											
	Cape Gris Nez...	29.85	44	WSW	7	bc	29.98	+ .22	44	43	+ 2	SW	4	0	3	46	41	-											
	Paris ...	30.00	54	W	4	C	30.08	+ .17	50	47	+ 7	WSW	1	0	*	56	41	-											
	Brest ...	30.12	49	NW	1	C	30.01	- .04	46	43	0	SW	1	0	5	50	41	-											

WEATHER CHARTS

for 8 a.m. on

Saturday, 14th April

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.

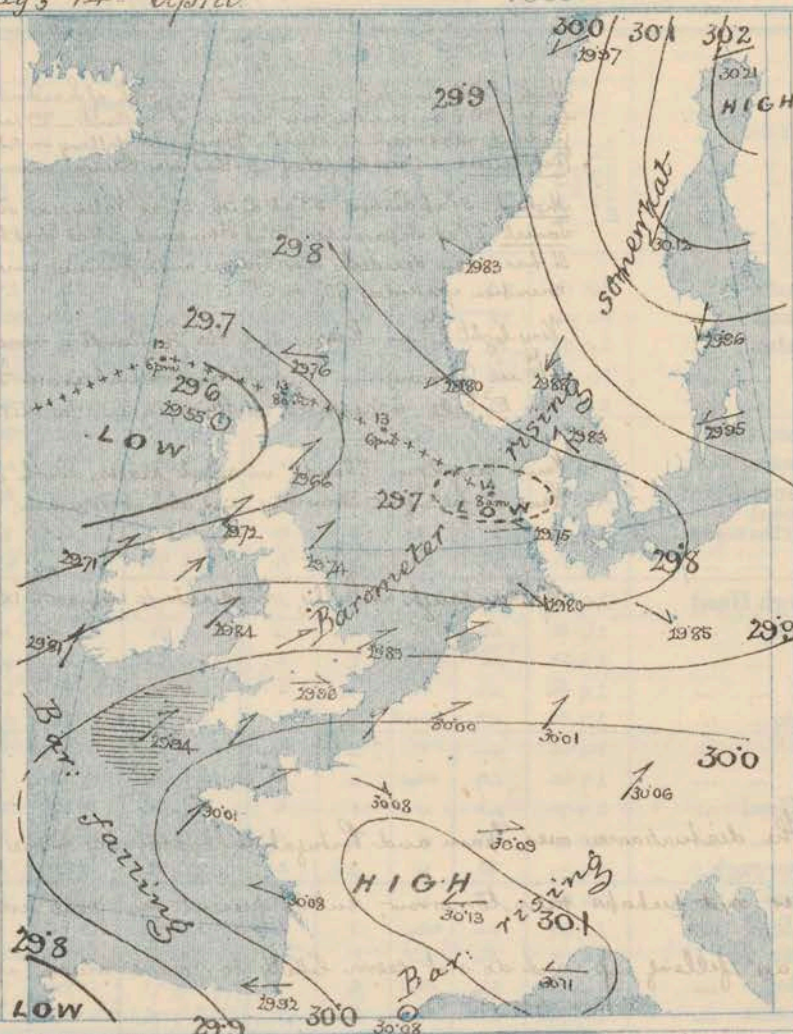
Sea Disturbance — where considerable is shown thus.

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
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Jersey	29.867
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LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



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.

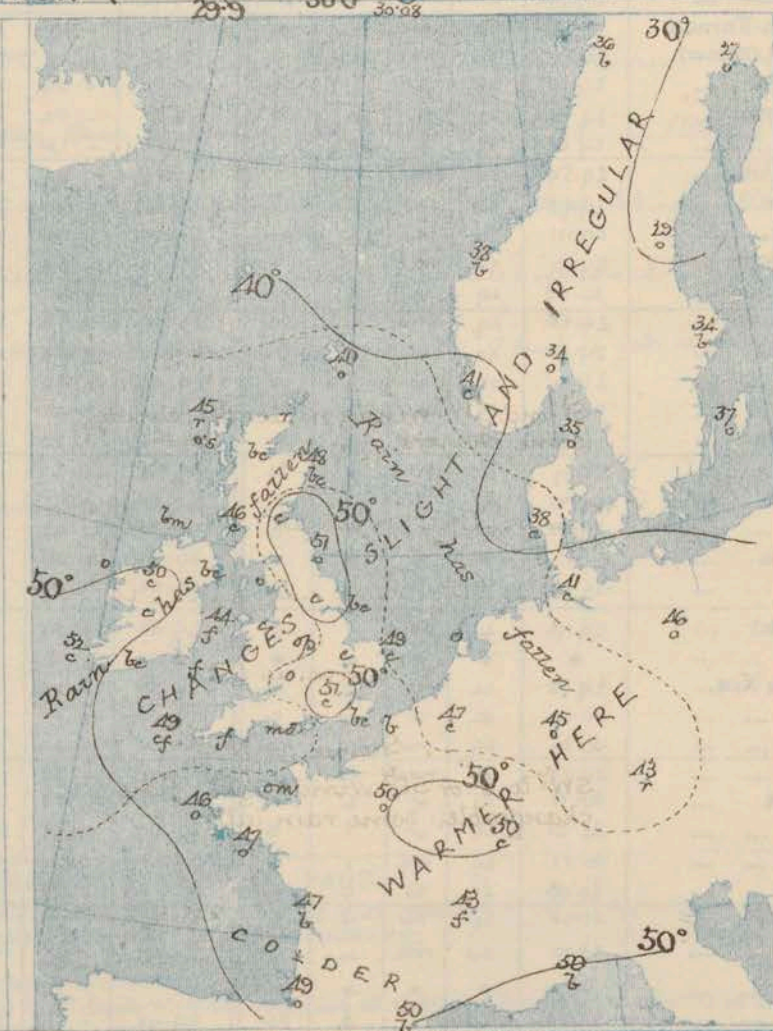
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min	at 8 a.m. Dry	Wet	
Sumburgh Head	46.3	37.3	41.9	40.5	2.16
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	49.2	37.4	43.2	41.2	1.56
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Aberdeen	49.6	38.5	43.4	40.9	2.23
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Yarmouth	49.5	40.4	45.1	43.4	1.80

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, 30.1 ins: to 30.2 ins: over the north of Scandinavia — 30.0 ins: to 30.1 ins: over the Central and Southwestern parts of France.
 Lowest, 29.6 ins: and less, over the west of Scotland — 29.7 ins: over the North Sea, 29.8 ins: and less over Portugal.
 Gradient: moderate to slight. Barometer falling in extreme southwest, rising elsewhere.
 Depressions in north falling up, that over Portugal, advancing northeastwards.

TEMPERATURE

Highest, 57° at Linton, 53° at Leith, 52° at Valenciennes, and 50° at several other stations.
 Lowest, 27° at Haparanda, 29° at Helsingfors, 34° at Stockholm and Gaarder, and 40° at Obergangens.
 It has risen decidedly over France and Germany since yesterday and is rather high over our Islands. Maxima in some countries yesterday 60° to 61°.

WIND

Very light E^{ly} in Norway and the Shetlands — moderate SW^{ly} over Ireland and England.
 W^{ly} in Germany — light and variable over France.
 An E gale is reported at Biarritz — a SW^{ly} gale at Linton.

WEATHER

Varies greatly — Cloudy in most places, with wet fogs in the southwest and west.
 Rain is falling at Stornoway, and also at Munich, but in the west of Norway the sky is clear.

SEA

Rather rough at Lelly, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance over Spain and Portugal will probably move northeastwards to the south of England, causing unsettled weather and perhaps rain tomorrow, but at present no great increase of wind is apprehended. The disturbances in the north are falling up and do not seem likely to cause much unsettled weather on our coasts.

FORECASTS

For the 24 hours ending at NOON on 15th April 1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SW ^{ly} and SW ^{ly} winds, moderate, cloudy, some 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 0
5	ENGLAND SOUTH	SW ^{ly} to S ^{ly} or SE ^{ly} winds, light; fine, changeable, some rain later.



DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	SW ^{ly} and S ^{ly} winds, moderate; some showers with bright intervals.
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

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.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	29.59	41	37	SE 6	0	5	Holyhead ...	29.81	51	47	SW 5	c	4
Sumburgh Head	29.42	41	39	ESE 4	c	6	Valencia ...	29.90	53	52	SW 5	om	5
Stornoway ...	29.47	48	47	W 4	0	14	Scilly ...	30.00	51	49	W 5	bc	4
Aberdeen ...	29.42	45	39	NW 4	c	2	Jersey ...	30.00	52	49	WSW 4	c	3
Shields ...	29.54	53	47	W 6	c	2	Dungeness ...	29.75	50	47	W 6	bc	5
Ardrossan ...	29.62	51	47	W 5	c	4	London ...	29.79	59	53	WSW 4	bc	*
Malin Head ...	29.67	48	46	W 3	c	4	Yarmouth ...	29.71	52	46	WSW 4	c	3
Mullaghmore ...	29.76	49	46	WSW 4	om	4	Rochefort ...	30.18	53	52	WSW 4	0	2
Belmullet ...	29.74	51	49	SW 5	0	*							

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

The reports for yesterday morning showed that pressure was highest 30.2 ins. and upwards over the north of Spain, and relatively high 29.9 ins. and upwards over Sweden and Northern Russia. The lowest readings, 29.4 ins. and less, were found in a well marked and somewhat deep depression lying off the north and east of Scotland, but a large area of low readings 29.5 ins. and less, was also reported over South-eastern Europe. Moderate to strong breezes from W. or NW. prevailed over the greater part of our Islands and the west and south of France, and light SW^{ly} or S^{ly} breezes over Germany, the Netherlands, and the east of France, but over Northern Europe the wind was chiefly E^{ly}, while in Austria and in most of the southern countries it was variable. The weather was rainy in the extreme north of our Islands and showery at some of our western stations as well as in some parts of Southern Europe, but elsewhere conditions were mostly fair. Temperature had fallen a little in Sweden, Denmark, and Northern Russia, as well as at some of the Austrian stations, but risen elsewhere; readings ranged from between 55° and 65° over Algeria and Southern Italy to 32° or less over Lapland, Finland, and Northern Russia. The highest individual readings were 65° at Oran and Biskra, 63° at Sfax, 62° at Barcelona and Algiers, 58° at La Calle, and 57° at Fes, Orindiri, Cagliari, Tunis and Laghuat; the lowest were 16° at Archangel, 22° at Haparanda, 26° at Uleaborg, 27° at Hemmeland, 25° at Nizhny, 30° at Hango, 31° at Kuspio, and 32° at Copenhagen.

In the course of the day the depression off the north and east of Scotland moved east south-eastwards across the North Sea and partially dispersed. In the west of our Islands, however, the barometer fell somewhat and the wind backed to the SW^{ly}, with an unsettled appearance. Temperature over England was much higher than of late the thermometer rising to 60° or 61° at some of the Central and South-eastern stations.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

DAILY WEATHER REPORT.

for Sunday 15th April 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 ..	30.24	20	2	0	b	30.30	+ .09	23	22	-	4	SE	2	c	*	36	19	-
	Hernösand ...	30.13	28	2	0	c	30.16	+ .04	33	32	+	4	NE	2	c	*	36	27	-
	Stockholm ...	30.04	34	NE	2	0	30.08	+ .12	34	32	-	0	2	0	b	*	42	28	-
	Wisby ...	30.04	38	E	2	b	30.07	+ .12	33	32	-	4	N	2	0	*	45	28	-
	Bodö ...	30.02	37	ENE	2	0	30.02	+ .05	37	35	+	1	ENE	2	0	1	39	34	-
	Christiansund...	29.95	39	SSW	1	c	30.06	+ .23	38	36	-	0	S	1	c	0	43	32	-
	Skudesnaes ...	29.96	40	S	1	0	30.04	+ .24	39	37	-	2	ESE	1	0	2	46	?	-
	Christiania Fjord (Færdø)	29.99	38	SSE	2	c	30.09	+ .21	34	33	-	0	NNE	4	b	1	41	34	-
	Skagen (The Scaw)	29.95	37	E	3	0	30.06	+ .23	36	35	+	1	SE	1	c	1	43	34	-
	Fanö ...	29.94	37	2	0	c	30.02	+ .27	42	40	+	4	SSE	2	c	*	46	37	-
BRITISH ISLANDS.	Sumburgh Head	29.77	41	ESE	1	0	29.88	+ .12	41	40	+	1	ENE	1	0	3	45	39	-
	Stornoway ..	29.73	50	SW	3	r	29.70	+ .15	47	46	+	2	2	0	0	2	55	41	0.26
	Wick ...	29.78	48	2	0	c	29.83	+ .20	45	45	+	1	S	3	0	2	51	40	0.35
	Nairn ...	29.77	51	W	1	c	29.78	+ .18	42	40	-	4	2	0	c	2	59	37	-
	Aberdeen...	29.79	50	2	0	0	29.82	+ .16	44	42	-	4	NE	1	0	1	60	36	0.03
	Leith ...	29.81	47	W	1	c	29.79	+ .07	44	43	-	9	SE	1	0	*	62	39	-
	Shields ...	29.82	58	2	0	c	29.82	+ .08	44	42	-	7	2	0	om	2	60	42	-
	Spurn Head ...	29.87	48	ESE	2	c	29.85	+ .03	45	43	-	3	SSE	3	om	2	57	41	-
	York ...	29.80	60	W	2	b	29.83	+ .01	50	48	-	1	S	2	0	*	61	45	-
	Loughborough	29.89	57	SW	1	b	29.83	- .05	46	45	-	2	ESE	2	om	*	61	40	-
GERMANY.	Ardrossan ...	29.79	50	SW	2	c	29.71	- .01	49	48	+	3	E	2	om	1	50	44	0.01
	Malin Head ...	29.73	47	ESE	3	b	29.62	- .07	46	44	-	3	SSE	3	og	2	54	45	-
	Mullaghmore ...	29.69	58	SSE	2	0	29.58	- .14	46	44	-	4	SSE	6	cp	4	60	45	0.02
	Belmullet ...	29.67	57	SSW	2	r	29.55	- .16	44	43	-	5	SW	2	r	*	54	44	0.14
	Donaghadee ...	29.81	46	SW	3	b	29.72	- .04	45	45	-	6	SSE	2	om	0	58	44	-
	Barrow-in-Furness	29.85	48	SW	3	b	29.77	- .02	47	45	+	4	SE	4	0	*	51	42	-
	Liverpool (Bidston)	29.87	52	WNW	1	0	29.78	- .07	48	45	-	3	SE	3	0	2	55	46	-
	Holyhead ...	29.86	45	SSW	3	f	29.73	- .11	46	46	+	2	SSE	1	rm	2	50	43	0.02
	Parsonstown ...	29.76	54	SSE	1	c	29.64	- .17	47	44	-	4	SSE	4	b	*	62	43	-
	Valencia ...	29.70	49	SE	1	r	29.66	- .15	49	46	-	3	2	0	bm	1	53	42	0.39
FRANCE & NETHERLANDS.	Roche's Point...	29.81	48	S	4	f	29.66	- .17	46	46	-	2	S	5	rm	4	50	44	0.08
	Pembroke ...	29.87	45	S	2	c	29.72	- .18	44	43	-	1	SE	4	og	3	47	43	-
	Scilly ...	29.82	47	SSE	3	0	29.70	- .24	48	47	-	1	2	0	of	5	53	45	0.03
	Prawle Point ...	29.90	45	ENE	1	c	29.73	- .27	46	45	+	1	NE	4	og	2	50	40	-
	Jersey ...	29.87	53	NE	4	b	29.70	- .33	52	49	+	4	ENE	1	om	1	59	45	0.01
	Hurst Castle ...	29.93	47	SW	2	c	29.75	- .25	46	45	-	1	E	2	om	2	51	43	-
	Dungeness ...	29.94	45	W	2	b	29.77	- .20	45	43	+	2	E	4	c	2	51	39	-
	London ...	29.94	54	SW	1	bm	29.80	- .16	47	45	-	4	ESE	1	c	*	62	42	-
	Oxford ...	29.92	50	SW	1	b	29.80	- .15	47	45	-	1	SE	1	0	*	55	40	-
	Cambridge ...	29.90	56	SW	1	b	29.85	- .08	53	49	+	4	SE	1	c	*	61	37	-
PENINSULA.	Yarmouth ...	29.91	49	S	2	c	29.89	- .00	44	42	-	5	SE	3	c	3	59	40	-
	Cuxhaven ...	29.94	42	NW	1	b	30.05	+ .25	44	43	+	3	E	1	b	*	46	40	-
	Berlin ...	29.95	49	NNE	1	0	30.04	+ .19	44	42	-	1	NNE	3	c	*	54	43	-
	Wiesbaden ...	*	*	*	*	*	30.01	- .00	48	45	+	3	2	0	b	*	57	37	-
	Munich ...	30.07	45	NE	1	c	30.01	- .05	41	40	-	2	E	5	b	*	54	32	0.04
	The Helder ...	29.97	41	SW	1	b	29.96	+ .08	46	44	+	4	SE	1	b	1	46	37	-
	Brussels ...	*	*	*	*	*	29.92	- .08	52	48	+	5	E	3	b	*	58	44	-
	Cape Gris Nez...	29.97	46	SSW	1	b	29.81	- .17	47	45	+	3	SSE	4	0	1	48	43	-
	Paris ...	29.95	58	ESE	3	b	29.79	- .29	51	47	+	1	ESE	3	c	*	62	46	-
	Brest ...	29.82	50	NW	4	0	29.70	- .31	50	46	+	4	NNE	1	r	2	55	43	0.08

WEATHER CHARTS

for 8 a.m. on

Sunday, 15th April

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.

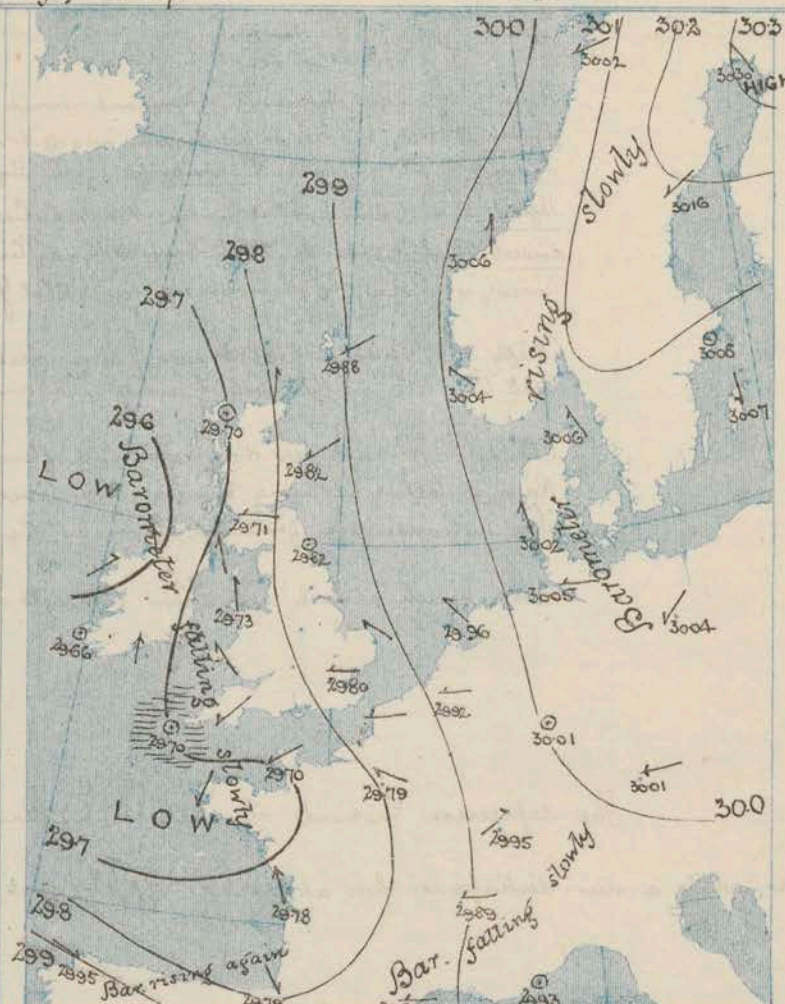
— Rough. — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of April

During the 15 Years 1871—1886.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.857
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Roche's Point	29.838
Pembroke	29.844
Scilly	29.849
Jersey	29.867
Hurst Castle	29.867
Dover	29.866
LONDON.	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



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.

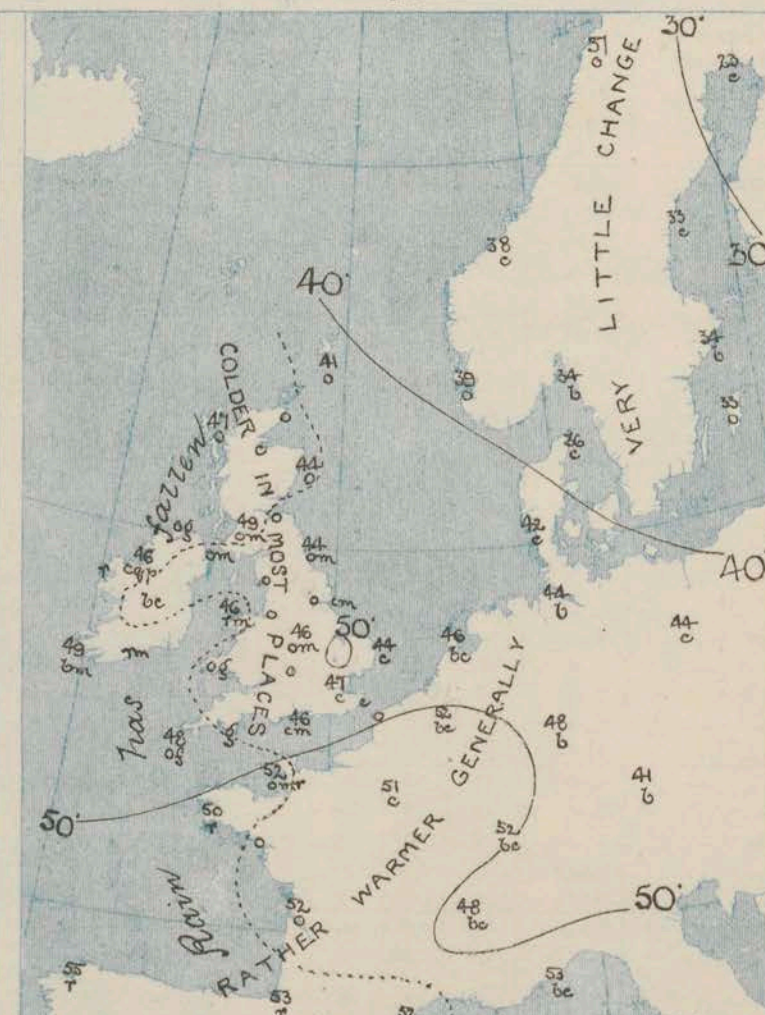
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of April.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	46.3	37.3	41.9	40.5	2.16
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	49.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.6	38.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	42.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	42.6	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	46.2	44.3	1.86
Liverpool	53.0	40.7	45.5	42.6	1.56
Parsonstown	55.0	38.3	45.7	43.0	2.15
Valencia	54.3	42.9	48.4	45.9	4.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	52.5	45.0	49.0	47.1	2.45
Jersey	54.6	43.8	49.0	46.4	2.04
Hurst Castle	52.3	41.4	45.9	44.6	1.87
Dover	51.5	42.4	47.1	44.5	1.81
LONDON	56.7	40.0	46.8	43.8	1.86
Oxford	55.1	39.3	45.0	42.7	1.79
Cambridge	56.2	37.7	45.5	43.3	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

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: at Haparanda, 30.2 in: and upwards over the north of Sweden generally; 30.0 in: over Portugal.
Lowest, 29.6 in: and less, in a depression lying off the west of Ireland. A shallow secondary disturbance is lying off the northwest of France.
Gradients slight generally. Barometer falling in England, Ireland and France, but rising elsewhere.

TEMPERATURE

Highest, 55° at Comma, 53° at Biarritz, Nice and Lisbon, and 52° at Jersey, Brussels, Rochefort and Perpignan.
Lowest, 23° at Haparanda, 33° at Haparanda and Nisby, 34° at Stockholm and Faerder, and 36° at Skagen.
Rising yesterday the thermometer rose to 61° at York, Loughborough and Cambridge, and 62° at Faith Sarismon and in London.

WIND

Chiefly SE, fresh in force at several of our western stations, but light or moderate elsewhere.
Light E or NE in the north of Scandinavia and also in Germany.

WEATHER

Cloudy or overcast over the greater part of our Islands and France, as well as over the Iberian Peninsula.
Rain is falling at Biarritz, Perpignan and Comma and passing showers in the west of our Islands.
Fair in Scandinavia, Denmark, Germany, the east of France and the southeast of England.

SEA

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

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed over the Iberian Peninsula yesterday has moved northeastwards to the northwest of France, while a new disturbance has appeared off the west of Ireland. Over Scandinavia pressure continues to increase slowly.

FORECASTS

for the 24 hours ending at NOON on 16TH APRIL 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 ...	29.88	46	40	SSE	1	o	3	Holyhead ...	29.87	49	48	SSW	2	m	2
Sumburgh Head ...	29.73	44	42	SSE	1	c	4	Valencia ...	29.75	52	50	SSE	6	o	5
Stornoway ...	29.66	55	54	SW	4	bc	4	Scilly ...	29.89	52	50	S	4	c	4
Aberdeen ...	29.71	58	52	N	1	bc	1	Jersey ...	29.75	57	51	ESE	2	bc	2
Shields ...	29.80	58	51	WSW	2	c	1	Dungeness ...	29.96	47	45	W	4	bc	3
Ardrossan ...	29.77	49	48	SW	2	o	2	London ...	29.94	60	56	SW	1	bc	*
Malin Head ...	29.73	52	49	L	0	bc	2	Yarmouth ...	29.90	57	52	WSW	2	bc	2
Mallaghmore ...	29.73	59	51	SSW	5	c	3	Rochefort ...	29.94	67	59	ESE	4	c	2
Belmullet ...	29.72	53	50	SSW	3	o	*								

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

The reports for yesterday morning showed that two areas of high pressure existed over Europe, — one over the Gulf of Bothnia and north of Finland, and the other over Tunis, the greater part of Italy and the south-east of France. The lowest readings, 29.6 ins: and less, were found in a depression lying over the west of Scotland, but another disturbance with readings below 29.7 ins: lay off the west coast of Denmark and a third with similarly low readings off the Portuguese coast, while a large area of low pressure was reported over the Black Sea and Asia Minor. With these conditions the wind varied greatly in different localities; over our Islands and the Netherlands it was chiefly SW^{ly} and over Northern Europe E^{ly} or NE^{ly}. In the south of France and north of Spain it was also E^{ly} but over Algeria, Italy and Central Europe variable breezes were reported. The weather also varied considerably; in Italy, the south of France and the west of Norway the sky was quite clear, but elsewhere there was more or less cloud, with fog in the west and south-west of our Islands and rain in many other isolated districts. Temperature had risen a little over Germany, Austria and the Netherlands, but changed irregularly elsewhere; readings ranged from 55° and upwards over Spain, Algeria, and south Italy to 32° or less over the northern parts of Sweden and Russia. The highest individual readings were 67° at Oporto, 62° at Oran, 60° at Bilbao, Barcelona, Algiers, and Lagnouat, 59° at Aumale, and 58° at Nemours and Spax; the lowest were 13° at Archangel, 25° at Kuopio, 28° at Haparanda and Uleaborg, 29° at Helsingfors and St Petersburg, 31° at Hangö, 33° at Moscow and Riga, and 34° at Stockholm, Faeröer, Örebro and Helsingfors.

In the course of the day the depressions off the Scotch and Danish coasts filled up, while the Portuguese disturbance advanced slowly in a NE^{ly} direction. Over Great Britain the weather remained very fine all day and the thermometer rose slightly above 60° in many places.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT.

for Monday, 16th April

1888.

Issued by the Meteorological Office, 46, Victoria Street, London. R. H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS		
STATIONS.		Barometer at 3 P.M. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 3.)	SHADE TEMP.		Amount of Rain-fall.	
				Dir.	Force. (0 to 12.)		Reading at 8 P.M. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	30.25	27	Z	0	0	30.17	- .13	22	21	- .1	SE	2	b	*	34	14	-	
	Hernösand ...	30.17	30	Z	0	0	30.17	+ .01	32	31	- .1	Z	0	b	*	37	21	-	
	Stockholm ...	30.12	32	Z	0	6	30.13	+ .05	37	31	+ .3	Z	0	b	*	45	27	-	
	Wisby	30.15	32	NNE	4	6	30.16	+ .11	31	31	- .2	Z	0	b	*	37	28	-	
	Bodö	30.04	35	Z	0	0	30.05	+ .03	36	33	- .1	Z	0	b	*	43	30	-	
	Christiansund...	30.10	39	ENE	1	6	30.03	- .03	39	36	+ .1	E	1	c	1	45	34	-	
	Skudesnaes ...	30.06	38	SSE	4	0	29.94	- .10	42	37	+ .3	ENE	4	0	3	?	37	-	
	Christiania Fjord (Færdar)	30.12	37	Z	0	6	30.13	+ .04	35	32	+ .1	NNE	2	m	1	43	34	-	
	Skagen (The Scaw)	30.13	35	E	1	6	30.12	+ .06	37	36	+ .1	SSE	1	b	1	46	34	-	
	Fanö	30.03	42	SSE	4	0	29.94	- .08	39	36	- .3	SE	6	c	*	50	37	-	
BRITISH ISLANDS.	Sunburgh Head	29.84	43	ENE	2	m	29.68	- .20	42	41	+ .1	SE	5	r	6	44	38	0.24	
	Stornoway ...	29.62	49	S	3	0	29.51	- .19	45	45	- .2	S	6	0	6	51	41	0.12	
	Wick	29.72	43	S	3	m	29.59	- .24	44	44	- .1	S	2	0	3	48	40	0.40	
	Nairn	29.65	53	Z	0	0	29.59	- .19	48	45	+ .6	SW	1	b	1	55	39	0.05	
	Aberdeen... ..	29.76	44	S	4	0	29.63	- .19	49	46	+ .5	S	2	b	2	49	41	0.46	
	Leith	29.66	54	SW	2	0	29.69	- .10	49	45	+ .5	SW	2	b	*	58	40	0.05	
	Shields	29.73	45	SE	3	0	29.74	- .08	49	45	+ .5	SW	2	m	2	49	41	0.15	
	Spurn Head ...	29.73	44	SSE	5	c	29.83	- .02	46	44	?	W	4	bm	3	47	42	0.26	
	York	29.74	50	E	2	r	29.81	- .02	47	44	- .3	WSW	2	b	*	59	42	0.19	
	Loughborough	29.72	53	WNW	1	r	29.86	+ .03	48	45	+ .2	WSW	2	b	*	62	41	0.14	
GERMANY.	Ardrossan ...	29.65	48	E	1	r	29.68	- .03	45	43	- .4	SSW	5	c	4	49	40	0.65	
	Malin Head ...	29.59	46	E	2	b	29.55	- .07	47	46	+ .1	SSW	6	bm	4	52	39	0.01	
	Mullaghmore ...	29.60	53	SSW	4	b	29.61	+ .03	48	47	+ .2	SSW	5	cp	4	54	40	0.06	
	Belmullet ...	29.56	49	SW	7	0	29.58	- .02	50	47	+ .6	WSW	6	c	*	52	44	0.04	
	Donaghadee ...	29.67	46	SW	3	c	29.70	- .02	48	46	+ .3	WSW	4	b	2	48	44	0.03	
	Barrow-in-Furness	29.69	49	NW	2	0	29.78	+ .01	44	44	- .3	S	4	b	*	53	42	0.13	
	Liverpool (Blairston)	29.71	51	W	2	0	29.83	+ .05	48	44	0	SW	4	b	2	58	41	0.12	
	Holyhead ...	29.70	46	S	2	mcp	29.81	+ .08	46	45	0	SSW	4	c	4	52	42	0.15	
	Parsonstown ...	29.68	54	SW	3	b	29.74	+ .10	49	45	+ .2	S	3	bc	*	56	40	0.01	
	Valencia	29.69	52	SSE	6	bc	29.71	+ .05	51	49	+ .2	S	6	om	5	54	47	-	
FRANCE & NETHERLANDS.	Roche's Point...	29.73	52	WSW	4	b	29.77	+ .11	48	46	+ .2	SW	4	bc	4	55	45	0.01	
	Pembroke ...	29.74	46	WSW	4	bc	29.86	+ .14	46	45	+ .2	SSW	4	bm	4	48	43	-	
	Scilly	29.81	50	W	4	bc	29.91	+ .21	52	50	+ .4	SW	5	bm	5	52	45	0.01	
	Prawle Point ...	29.78	47	NW	3	c	29.98	+ .25	47	46	+ .1	WSW	4	cw	2	48	38	0.05	
	Jersey	29.76	52	ENE	1	r	30.02	+ .22	48	46	- .4	WSW	4	bm	3	52	41	0.22	
	Hurst Castle ...	29.75	45	SSW	1	r	29.97	+ .22	45	44	- .1	W	2	b	1	47	41	0.18	
	Dungeness ...	29.71	50	S	1	r	29.87	+ .10	46	46	+ .1	NW	2	bc	1	54	42	0.10	
	London	29.74	55	S	1	r	29.93	+ .13	46	45	- .1	W	1	b	*	63	42	0.14	
	Oxford	29.75	51	SW	1	r	29.93	+ .13	44	43	- .3	SW	3	bm	*	57	38	0.23	
	Cambridge ...	29.76	51	S	1	0	29.89	+ .04	49	47	- .4	W	1	b	*	66	41	0.14	
PENIN- SULA.	Yarmouth ...	29.76	45	SSE	4	bc	29.85	- .04	50	47	+ .6	WNW	3	f	2	50	43	0.17	
	Cuxhaven ...	30.06	44	E	4	c	? 29.91	- .14	42	41	- .2	SSE	5	bc	*	48	40	-	
	Berlin	30.06	49	NE	1	b	30.09	+ .05	42	39	- .2	SE	2	b	*	52	36	-	
	Wiesbaden ...	*	*	*	*	*	29.97	- .04	52	46	+ .4	NE	1	c	*	64	45	-	
	Munich	29.91	46	E	3	b	29.99	- .02	41	40	0	E	2	b	*	57	32	-	
	The Helder ...	29.84	51	E	4	c	29.85	- .11	45	45	- .1	SW	3	f	2	55	45	0.12	
	Brussels ...	*	*	*	*	*	29.91	- .01	53	52	+ .1	WSW	1	r	*	71	52	0.04	
	Cape Gris Nez...	29.75	52	SSW	1	0	29.92	+ .11	44	44	- .3	SW	3	f	0	64	43	0.08	
	Paris	29.80	62	SSW	3	0	29.95	+ .16	52	52	+ .1	SSW	3	0	*	65	51	0.04	
	Brest	29.86	47	SW	4	0	30.01	+ .31	46	45	- .4	SW	4	0	3	52	43	0.16	
FRANCE & NETHERLANDS.	Lorient	29.85	49	NW	4	0	30.06	+ .37	46	46	- .5	WNW	1	bc	5	55	43	0.12	
	Rochefort ...	29.85	51	SW	5	f	30.12	+ .34	47	45	- .5	NW	7	b	2	63	41	-	
	Belfort	29.97	61	S	1	c	† 29.97	+ .02	37	51	+ .5	WSW	1	b	*	65	41	-	
	Lyons	29.84	56	W	4	c	30.00	+ .11	51	48	+ .3	N	1	c	*	67	48	-	
	Nice... ..	29.85	54	SSE	8	0	† 29.95	+ .02	51	47	- .2	Z	0	0	3	61	46	-	
	Perpignan ...	29.91	51	N	1	r	† 30.03	+ .17	53	49	+ .1	NW	4	0	*	55	48	0.19	
	Biarritz	29.95	52	W	7	0	† 30.15	+ .36	51	46	- .2	NW	5	bc	2	59	46	0.12	
	Corunna	*	*	*	*	*													
	Lisbon	30.17	54	NW	4	b	30.28	+ .26	53	50	0	WNW	3	b	5	61	48	-	

WEATHER CHARTS

for 8 a.m. on Monday, 16th April. 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.

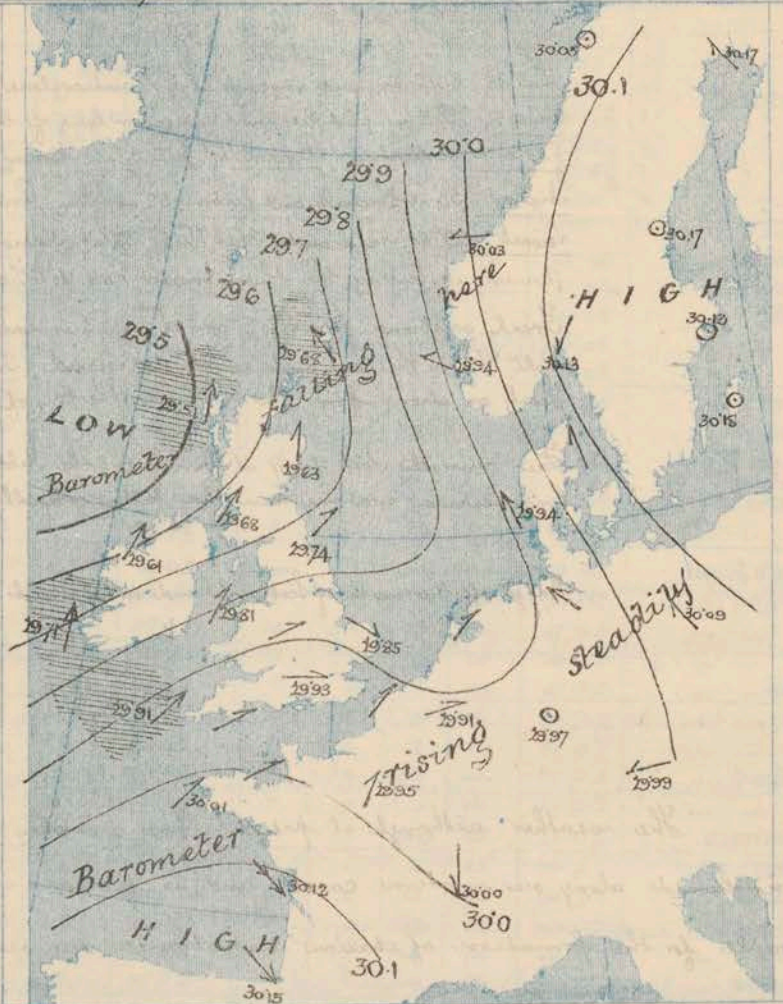
Sea Disturbance — where considerable, is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.857
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Roche's Point	29.838
Pembroke	29.844
Scilly	29.849
Jersey	29.867
Hurst Castle	29.867
Dover	29.866
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



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.

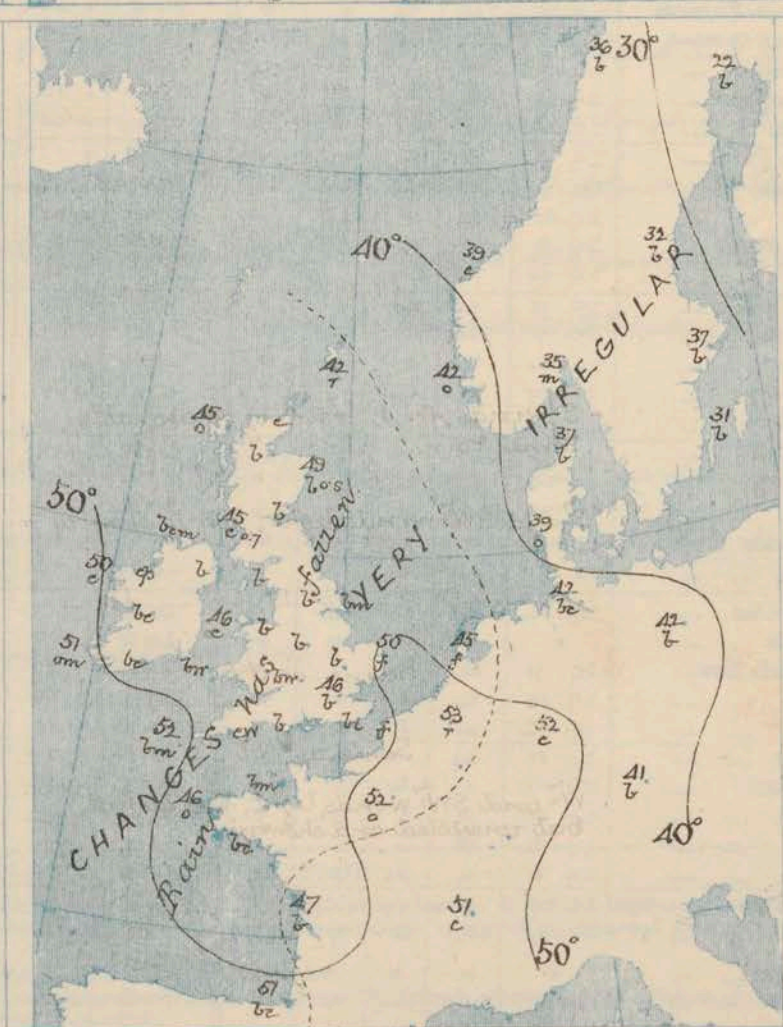
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of April.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	46.3	37.3	41.9	40.5	2.18
Stornoway.....	49.3	37.5	44.1	42.3	2.51
Wick.....	49.2	37.4	43.2	41.2	1.56
Nairn.....	51.5	37.9	43.1	40.6	1.29
Aberdeen.....	49.6	38.5	43.4	40.9	2.23
Leith.....	52.6	38.2	44.2	42.1	1.65
Shields.....	49.2	39.2	43.8	41.7	1.94
York.....	54.1	37.8	44.1	42.0	1.86
Loughborough.....	55.7	38.3	45.1	42.6	1.77
Ardrossan.....	52.1	39.9	44.6	42.2	2.23
Donaghadee.....	51.3	40.1	44.8	43.2	2.02
Holyhead.....	51.9	42.4	46.2	44.2	1.86
Liverpool.....	53.0	40.7	45.5	42.6	1.56
Parsonstown.....	55.0	38.3	45.7	43.0	2.15
Valencia.....	54.3	42.9	48.4	45.9	4.01
Roche's Point.....	54.2	42.4	47.0	44.9	3.43
Pembroke.....	50.8	42.1	45.6	43.6	2.10
Scilly.....	52.5	45.0	49.0	47.1	2.45
Jersey.....	54.6	43.6	49.0	46.4	2.04
Hurst Castle.....	52.3	41.4	45.9	44.6	1.87
Dover.....	51.5	42.4	47.1	44.5	1.81
LONDON.....	56.7	40.0	46.8	43.8	1.86
Oxford.....	55.1	39.3	45.0	42.7	1.79
Cambridge.....	56.2	37.7	45.5	43.3	1.76
Yarmouth.....	49.5	40.4	45.1	43.4	1.80

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.2 ins. and upwards in an anticyclone lying over the Iberian Peninsula, 30.1 ins. and upwards over Sweden and N. Germany. Lowest, 29.5 ins. and less, in a depression lying off the west of Scotland. A shallow secondary disturbance is situated over the North Sea. Gradients moderate. Barometer falling in Norway, Denmark, and the north of Scotland, but rising elsewhere.
TEMPERATURE	Highest, 53° at Brussels and Lyons, 52° at Seely, Paris, and Muenster, and 51° at Venice, Biarritz and Lyons. Lowest, 22° at Haps, and 31° at Midsy, 32° at Hunsand, 33° at Gadder, 36° at Bodø, and 37° at Stockholm and Copenhagen. During yesterday the thermometer rose to 62° at Loughboro, 63° in London and 66° at Cambridge.
WIND	Fresh or strong from the S ^W or S ^W on our extreme western and northern coasts. Light W ^W in the East and south of England, SE ^W on the eastern shores of the North Sea. Fresh or strong from the NW ^W over the Bay of Biscay.
WEATHER	Fair generally but foggy at Harmouth, the Helder and Cape Fin Nig, rain at Loughboro and Brussels, and shower at Mullaghmore. Since yesterday morning rain has fallen generally, the largest amounts being 0.7 ins. at Ardrossan and 0.5 ins. at Aberdeen.
SEA	Rough off the north of Scotland and rather rough on our extreme southern coasts, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The weather, although at present fine generally, is not at all settled. Depressions will probably continue to move northwards along our western coasts; and, as pressure is high both in Scandinavia and Spain, conditions are favourable for the formation of shallow disturbances over our eastern and southeastern coasts.

FORECASTS

For the 24 hours ending at NOON on 17TH APRIL 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	S ^W winds, fresh or strong; changeable, some rain.	6 { SCOTLAND WEST	SW ^W winds, fresh; fair to showery.
1 { SCOTLAND EAST	S ^W and SW ^W winds, light; fair to showery.	7 { ENGLAND N. W.	----- D ^o ----- D ^o ----- D ^o -----
2 { ENGLAND N. E.	----- D ^o ----- D ^o ----- D ^o -----	8 { ENGLAND S. W.	----- D ^o ----- D ^o ----- D ^o -----
3 { ENGLAND EAST	Same as N ^o 5.	9 { IRELAND NORTH	S ^W and SW ^W winds, strong changeable, some rain.
4 { MIDLAND COUNTIES	Same as N ^o 5.	10 { IRELAND SOUTH	----- D ^o ----- D ^o ----- D ^o -----
5 { ENGLAND SOUTH	W ^W and SW ^W winds, light; fine at first, but unsettled and showery.	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 ...	30.07	39	37	SSW 4	0	3	Holyhead	29.70	46	45	SW 4	rm	3
Sumburgh Head							Valencia ...						
Stornoway ...	29.65	51	50	SE 3	0	2	Scilly ...						
Aberdeen ...							Jersey ...	29.74	51	50	E 2	r	2
Shields ...							Dungeness ...	29.73	50	47	E 2	c	1
Ardrossan ...							London ...						*
Malin Head ...	29.60	48	46	SSW 4	0	3	Yarmouth						
Mallaghmore ...							Rocheport ...	29.83	52	53	S 5	0	2
Balmullet ...	29.60	52	48	SSW 4	6	*							

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

The reports for yesterday morning showed, that pressure varied from between 30.2 ins. and 30.3 ins. over northern Europe, and from 30.1 ins. and more, in a broad zone which extended thence across the Baltic, Germany and Austria to the Adriatic and Mediterranean, to a little below 29.7 ins. over southern Russia on the one hand, and to 29.6 ins. and less in the west of Ireland on the other. Thus NE^{ly} and N^{ly} winds prevailed over northern and western Russia, Poland and Hungary, while those prevailing over the United Kingdom were SE^{ly} and E^{ly}. In Spain and the west of France they were SW^{ly} and W^{ly}. Temperature was rising - though still below the freezing point over Finland and northern Russia, and varied from a little above 60° over the southwestern parts of the Mediterranean, and from between 44° and 53° over England and Ireland, to 33° or 34° at the Swedish stations, and to 10° on the shores of the White Sea. The highest individual readings were 61° at Oran, and La Calle (Algeria), 58° at Cagliari, 57° at Malta and Brindisi, 53° at San Fernando and Larumna, and 53° at Lisbon, and (locally) at Cambridge, and 50° at York; the lowest were 10° at Archangel, 19° at Kuopio, 22° at Uleaborg, 23° at Haparanda, 26° at St. Petersburg.

During the day the thermometer rose to 62° at Loughborough, 63° in London and 66° at Cambridge, and the air became clear. Rain followed over our southern counties, and in the west and north showers were experienced from a disturbance in the far west.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 8th TO THE 14th April 1888.

During this week the weather over the British Islands has been very variable. At the commencement there was a continuation of the cold NE^{ly} and N^{ly} winds, and local sleet showers observed in the course of the previous week. Late on Tuesday, however, some modification took place; the low pressure areas which had prevailed over Germany and the North Sea filled up, and a depression, of no great intensity, appeared off our northern coasts, while a V-shaped secondary was developed over Scotland and the North Sea. Temperature rose; SW^{ly} to NW^{ly} breezes took the place of the N^{ly} and NE^{ly} winds previously observed, and showers of rain fell generally - most in the West and North. During Thursday and Friday new disturbances appeared in the northwest, north and east, but were of moderate intensity and subsequently filled up, while the wind lulled and temperature rose decidedly; Friday and Saturday were fine and mild over England, rather showery in the west and north. A complete change now took place - and at the close of the week pressure had become highest in the ^{east and} northeast, lowest in the far west - the gradients being slight - and a shallow depression was advancing towards France and our southern coasts from Spain, while others were appearing off the west of Ireland.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for *Tuesday, 17th April* 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 ..	30.11	17	2	0	b	30.02	-.15	14	14	-.8	2	0	b	*		32	16	-
	Hernösand ...	30.10	28	2	0	b	30.02	-.15	28	26	-.4	SSW	2	b	*		43	23	-
	Stockholm ...	30.11	34	5	2	0	30.07	-.06	39	34	+.2	SSW	2	b	*		45	25	-
	Wisby ...	30.11	31	7	2	b	30.10	-.08	36	32	+.5	SE	2	b	*		39	27	-
	Bodö ...	29.99	33	NW	2	0	29.95	-.10	32	31	-.4	SW	2	b	1		36	28	0.08
	Christiansund...	29.88	41	NE	1	c	29.89	-.14	39	37	0	SSW	1	r	1		45	36	0.04
	Skudesnaes ...	29.86	39	ESE	4	r	29.87	-.07	39	37	-.3	SE	2	c	3		43	39	-
	Christiania Fjord (Færd)	29.88	41	ESE	3	c	29.97	-.16	35	35	0	ESE	3	c	3		41	?	-
	Skagen (The Scaw)	29.98	36	S	2	0	29.93	-.19	35	35	-.2	S	4	0	3		37	34	0.04
	Fanö ...	29.89	39	WSW	1	f	29.92	-.02	37	37	-.2	W	2	m	*		45	36	0.04
	Sumburgh Head	29.68	42	SE	2	0	29.65	-.03	41	41	-.1	SE	1	m	4		43	38	0.07
	Stornoway ..	29.56	49	SW	5	0	29.41	-.10	48	47	+.3	S	2	0	2		51	45	0.08
	Wick ...	29.65	45	S	3	bc	29.51	-.08	45	44	+.1	S	4	0	3		55	42	0.02
	Nairn ...	29.63	55	SW	1	c	29.47	-.12	50	45	+.2	S	1	bc	1		57	44	0.05
BRITISH ISLANDS.	Aberdeen...	29.69	54	S	2	b	29.58	-.05	44	43	-.5	ESE	2	0	2		60	42	-
	Leith ...	29.71	53	W	2	bc	29.50	-.19	46	45	-.3	ESE	1	r	*		59	44	-
	Shields ...	29.77	54	SW	3	c	29.58	-.16	46	45	-.3	SE	3	r	2		57	43	0.02
	Spurn Head ...	29.85	52	SW	3	b	29.69	-.14	46	45	0	S	5	cp	3		58	44	0.04
	York ...	29.83	56	SSW	2	c	29.63	-.18	46	45	-.1	S	3	m	*		60	45	0.07
	Loughborough	29.86	55	SW	2	0	29.67	-.19	47	46	-.1	S	3	cdp	*		61	45	0.04
	Ardrossan ...	29.67	49	S	2	c	29.45	-.23	46	46	+.1	ESE	4	0	3		51	43	0.12
	Malin Head ...	29.48	54	S	6	oqm	29.27	-.28	48	47	+.1	ESE	4	c	3		54	45	0.08
	Mullaghmore ...	29.46	52	SSE	6	op	29.29	-.32	48	46	0	SSW	5	cp	4		57	45	0.12
	Belmullet ...	29.46	50	SSW	4	c	29.27	-.31	46	45	-.4	WSW	5	0	*		52	46	0.34
	Donaghadee ...	29.66	49	SW	3	bc	29.42	-.28	47	47	-.1	SW	5	c	3		55	45	0.08
	Barrow-in-Furness	29.77	50	S	3	bc	29.54	-.24	47	46	+.3	SE	4	0	*		53	44	0.16
	Liverpool (Bidston)	29.80	54	SSW	2	0	29.57	-.26	50	47	+.2	SE	3	c	3		58	46	0.04
	Holyhead ...	29.75	48	S	5	0	29.53	-.28	46	46	0	SSW	5	oqm	4		51	45	0.03
GERMANY.	Parsonstown ...	29.55	42	SSE	3	0	29.42	-.32	49	46	0	SSW	2	c	*		58	45	0.04
	Valencia ...	29.52	33	SSE	7	om	29.47	-.24	51	49	0	WSW	5	cp	5		53	47	0.16
	Roche's Point...	29.62	48	SW	5	c	29.48	-.29	49	46	+.1	WSW	4	b	4		49	46	0.18
	Pembroke ...	29.78	46	S	5	r	29.59	-.27	46	45	0	S	4	om	4		46	45	0.24
	Scilly ...	29.79	49	S	6	r	29.66	-.25	49	48	-.3	SW	5	e	5		55	46	0.20
	Prawle Point ...	29.93	47	SSW	4	r	29.73	-.25	47	47	0	SSW	5	m	4		52	42	0.18
	Jersey ...	30.01	48	SSW	2	b	29.83	-.19	51	49	+.3	SW	5	bcn	4		56	46	0.10
	Hurst Castle ...	29.98	46	SW	3	c	29.76	-.21	46	46	+.1	SW	5	of	3		49	45	0.10
	Dungeness ...	29.95	43	WSW	4	f	29.82	-.05	44	43	-.2	SSW	5	r	4		55	41	0.07
	London ...	29.94	54	WSW	2	bc	29.76	-.17	48	46	+.2	SW	2	0	*		62	45	0.04
	Oxford ...	29.92	49	SW	3	0	29.70	-.23	49	48	+.5	SSW	4	c	*		57	43	0.11
	Cambridge ...	29.90	58	SW	1	c	29.72	-.17	47	46	-.2	S	1	0	*		61	44	0.04
	Yarmouth ...	29.90	54	WSW	2	b	29.80	-.05	44	43	-.6	S	4	cm	4		55	43	-
	Cuxhaven ...	29.94	48	W	2	f	29.99	+.08	42	41	0	W	1	f	*		53	41	-
FRANCE & NETHERLANDS.	Berlin ...	30.00	53	ESE	1	0	29.96	-.13	47	44	+.5	SE	2	c	*		59	?	-
	Wiesbaden ...	*	*	*	*	*	29.99	+.02	53	51	+.1	2	0	*	*		66	46	-
	Munich ...	30.01	50	2	0	b	30.03	+.04	48	44	+.7	2	0	b	*		59	36	-
	The Helder ...	29.97	43	WSW	1	b	29.91	+.06	41	41	-.4	S	1	0	1		50	36	-
	Brussels ...	*	*	*	*	*	29.94	+.03	52	46	-.1	S	4	0	*		55	42	0.12
	Cape Gris Nez...	29.99	43	WSW	5	f	29.85	-.07	46	46	+.2	SSW	5	0	4		50	39	0.08
	Paris ...	30.03	57	WSW	1	bc	30.02	+.07	44	42	-.2	SSW	3	bc	*		59	40	0.08
	Brest ...	30.06	48	S	5	r	29.81	-.20	48	46	+.2	SW	5	c	4		50	45	0.43
	Lorient ...	30.07	50	SSW	5	c	29.91	-.15	50	50	+.4	SW	4	0	5		54	45	0.08
	Rocheport ...	30.19	53	W	.5	b	30.16	-.02	50	48	+.3	SSW	7	0	2		55	43	-
	Belfort ...	30.01	64	SE	1	c	30.11	+.14	53	48	-.4	W	1	c	*		67	48	-
	Lyons ...	30.01	57	NW	4	bc	30.08	+.08	50	47	-.1	NW	4	0	*		60	49	-
	Nice ...	29.95	54	W	1	c	29.97	+.02	58	48	+.7	ESE	1	b	1		66	48	-
	Perpignan ...	30.12	54	NW	5	0	30.10	+.07	53	48	0	W	4	bc	4		58	50	-
	Biarritz ...	30.18	55	NW	3	b	30.13	-.02	52	49	+.1	S	4	0	2		57	45	0.04
PENIN- SULA.	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	30.30	57	NW	5	0	30.28	-.02	56	52	+.3	WSW	4	r	5		61	?	-

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on

Tuesday, 17th April.

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

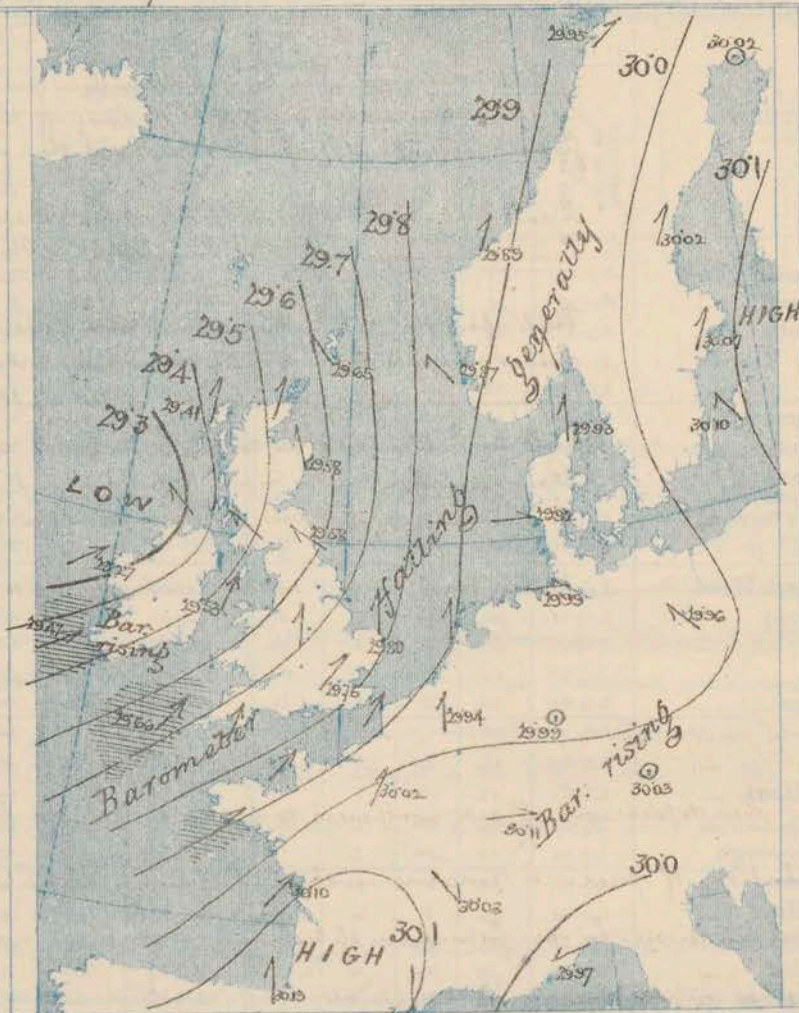
Sea Disturbance — where considerable is shown thus.

— Rough. — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.857
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Roche's Point	29.833
Pembroke	29.844
Scilly	29.849
Jersey	29.867
Hurst Castle	29.867
Dover	29.866
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



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.

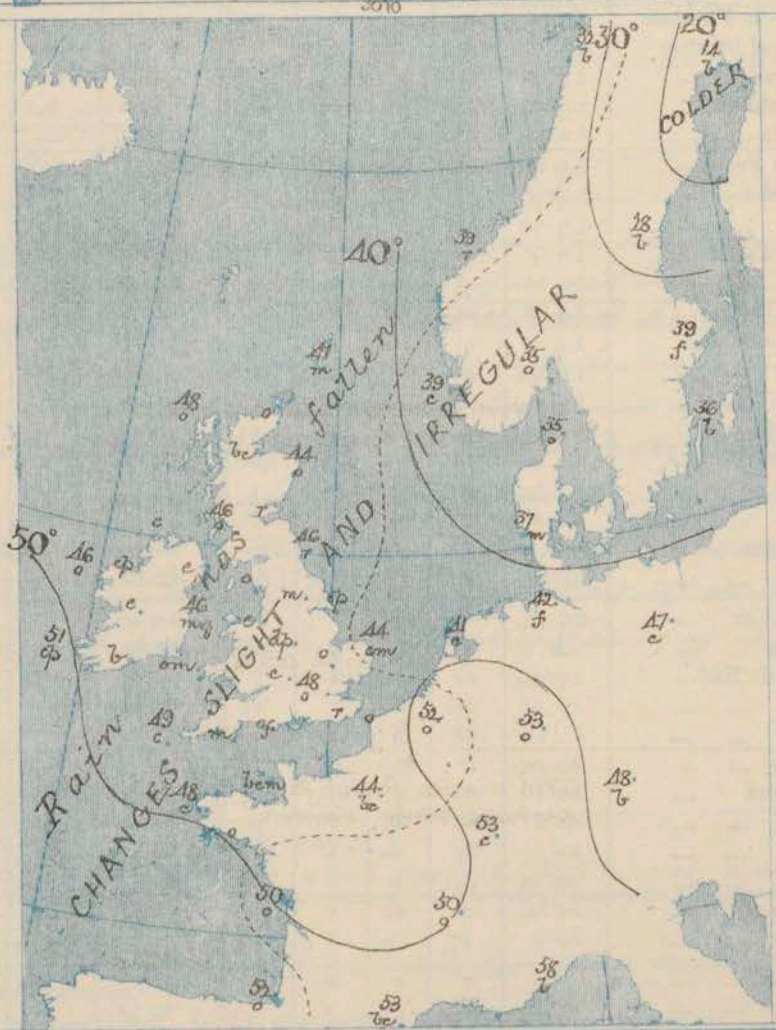
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	46.3	37.3	41.9	40.5	2.16
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	49.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.6	38.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	42.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	42.6	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	43.2	44.2	1.86
Liverpool	53.0	40.7	45.5	42.6	1.56
Parsonstown	55.0	38.3	45.7	43.0	2.15
Valencia	54.3	42.9	48.4	45.9	4.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	52.5	45.0	49.0	47.1	2.45
Jersey	54.6	43.6	49.0	46.4	2.04
Hurst Castle	52.3	41.4	45.9	44.6	1.87
Dover	51.5	42.4	47.1	44.5	1.81
LONDON	56.7	40.0	43.8	43.8	1.86
Oxford	55.1	39.3	45.0	42.7	1.79
Cambridge	56.2	37.7	45.5	43.3	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins: and upwards, over the southern part of the Iberian Peninsula, 30.1 ins: and upwards over the Baltic.
 Lowest, 29.3 ins: and less, in a depression lying off the north-west of Ireland.
 Gradient moderately steep over our Islands and their immediate neighbourhood, but slight elsewhere. Barometer falling generally.

TEMPERATURE

Highest, 58° at Nice, 56° at Lisbon, 53° at Wiesbaden, Brest, and Buzignau, 52° at Brussels and Biarritz, and 51° at Valencia and Jerez.
 Lowest, 14° at Haparanda, 28° at Helsingfors, 32° at Rode, 35° at Aarhus and Rügen, 36° at Malmö and 37° at Tana.

WIND

Fresh from the SWnd in the east and south of our Islands and also over the Bay of Biscay.
 Light or moderate from S. or SE. in the north and east of the United Kingdom, as well as on the eastern shores of the North Sea.
 Calm in Germany; moderate NWth in the south of France.

WEATHER

Fine in Sweden and the south of France, but cloudy or overcast elsewhere.
 Rain is falling in the north of England, and passing showers at several of our western and southern stations.
 In the course of the past 24 hours rain has fallen generally.

SEA

Rather rough on our extreme south-west coasts, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off our north-west coasts will probably travel away in a northerly direction, but as the general distribution of pressure remains unchanged further disturbances are likely to appear in the west shortly. There is still a tendency for the formation of secondary depressions over our Islands, and a continuance of mild, showery, weather is probable in most districts.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

SWth winds, moderate to strong; changeable, some rain.
 ----- D° ----- D° ----- D° -----
 ----- D° ----- D° ----- D° -----
 Same as N° 5.
 Same as N° 5.
 SWth winds, fresh; fair generally, but perhaps some showers.

DISTRICTS.

FORECASTS.

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

Same as N° 0
 Same as N° 0
 Same as N° 9
 SWth winds, strong; squally, some showers
 ----- D° ----- D° ----- D° -----

WARNINGS

The South cone was hoisted last evening in districts 8, 9, and 10.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.89	41	37	ESE 4	0	3	Holyhead ...	29.80	51	49	SEW 5	6	2
Sumburgh Head ...	29.62	41	41	SE 4	0	6	Valencia ...	29.58	52	51	S 6	om	5
Stornoway ...	29.54	51	51	SW 6	6c	6	Scilly ...	29.57	50	49	S 6	r	5
Aberdeen ...	29.66	58	52	SW 5	6	2	Jersey ...	30.05	55	50	SW 3	6	5
Shields ...	29.77	56	47	SW 4	6c	2	Dungeness ...	29.94	49	46	WNW 4	6c	2
Ardrossan ...	29.70	49	47	S 4	c	3	London ...	29.95	59	54	SW 2	c	*
Malin Head ...	29.59	53	48	SSW 5	0	3	Yarmouth ...	29.91	49	47	SE 3	6	2
Mullaghmore ...	29.56	56	50	SSW 5	0	4	Rocheport ...	30.16	54	50	NW 4	6	2
Belmullet ...	29.51	50	49	S 5	r	*							

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

The reports for yesterday morning showed that while pressure was increasing over Central and Northern Europe it was giving way rather decidedly over the British Isles. Readings varied from 30.1 in: and more over the whole of Northern Europe and the Baltic (30.3 in: over the White Sea) and from 30.0 in: and more, over Central, Southern and Southwestern Europe to 29.5 in: and less, off the northwest of our Islands, where there was a depression moving northeastwards. S² and SW² winds were generally prevalent over the United Kingdom and blew strongly at several of the western stations, SE² in Norway, and NW² in Spain and the southwest of France. Temperature was somewhat high, and unsteady, and the weather fine except at some stations in the extreme west and northwest of our Islands and in France. The conditions were, however, far from being settled. The lowest thermometric readings at 8 am were 6° F. at Archangel, 22° at Alesborg and Haparanda, 23° at Kuopio, 28° at Helsingfors and Ångö, 29° at St. Petersburg, 30° at Moscow, 31° at Niemy and 32° at Helsingfors; the highest were 61° at Biskra and Annale (Algeria) and at Palma, 60° at Malta, 59° at Brindisi, 55° at Langunars and Rome, 54° at Livorno, 53° at Lisbon and Brussels, 52° at Paris and Seilly and 51° at Biarritz, Lyons, and Valencia (Ireland).

Later in the day the thermometer rose to 60° and more over Central England, but in Ireland the weather became rough and showery as new depressions appeared in the far west.

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 18th April 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R.H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.90	27	Z	0	S	29.94	-.08	25	23	+ 11	N	2	b	*	34	3	0.08	
	Hernösand ...	29.93	33	Z	0	b	29.96	-.06	35	34	+ 7	NE	4	0	*	43	24	—	
	Stockholm ...	30.02	35	SSE	2	0	29.93	-.14	39	34	0	SE	2	0	*	46	30	—	
	Wisby ...	30.07	35	S	4	0	29.99	-.11	39	35	+ 3	SE	4	0	*	45	28	—	
	Bodö ...	29.98	33	WNW	1	C	29.99	+ .04	32	30	0	ESE	1	S	1	37	28	—	
	Christiansund...	29.91	37	NE	7	C	29.76	-.13	39	37	0	ENE	3	b	2	43	34	—	
	Skudesnaes ...	29.82	40	SE	1	r	29.64	-.23	41	39	+ 2	E	4	0	3	?	39	—	
	Christiania Fjord (Færder)	29.93	36	NNE	2	r	29.80	-.17	35	35	0	NNE	2	r	1	37	34	0.08	
	Skagen (The Seaw)	29.80	36	S	1	0	29.76	-.17	38	36	+ 3	S	1	0	1	39	35	—	
	Fanö ...	29.82	44	SSE	4	0	29.67	-.25	46	45	+ 9	SSE	4	0	*	40	37	—	
BRITISH ISLANDS.	Sumburgh Head	29.53	42	SE	4	r	29.48	-.17	41	41	0	ESE	1	0	4	45	40	0.11	
	Stornoway ...	29.30	49	Z	0	0	29.37	-.04	47	47	—	SW	2	C	2	52	44	0.05	
	Wick ...	29.41	43	S	4	f	29.41	-.10	45	45	0	SW	2	0	2	46	40	0.15	
	Nairn ...	29.37	50	Z	0	C	29.39	-.08	45	44	—	Z	0	d	1	56	39	0.02	
	Aberdeen...	29.45	46	S	4	C	29.43	-.15	48	46	+ 4	SSW	2	C	1	49	40	0.20	
	Leith ...	29.43	54	SW	3	b	29.42	-.08	48	45	+ 2	NE	1	C	*	57	44	0.01	
	Shields ...	29.50	53	SSW	3	C	29.47	-.11	47	45	+ 1	SSW	2	C	2	56	40	0.11	
	Spurn Head ...	29.59	50	SSW	4	b	29.54	-.15	47	46	+ 1	SW	4	C	3	53	42	0.02	
	York ...	29.56	53	S	3	C	29.52	-.11	45	44	—	S	1	r	*	60	41	0.08	
	Loughborough	29.59	54	S	2	b	29.58	-.09	48	45	+ 1	WSW	3	C	*	58	43	0.08	
GERMANY.	Ardrossan ...	29.40	46	SW	3	cm	29.41	-.04	45	44	—	S	3	0	3	50	43	0.08	
	Malin Head ...	29.34	48	W	2	b	29.32	+ .05	45	44	—	S	3	C	2	52	42	0.04	
	Mullaghmore ...	29.38	48	WSW	5	cp	29.39	+ .10	48	46	0	SSW	4	cm	3	53	43	0.04	
	Belmullet ...	29.38	47	WSW	5	C	29.36	+ .09	46	44	0	W	4	0	*	51	45	0.21	
	Donaghadee ...	29.42	48	SSW	3	op	29.45	+ .03	46	45	—	SSW	4	C	2	53	40	0.18	
	Barrow-in-Furness	29.50	48	S	3	b	29.47	-.07	45	44	—	S	4	C	*	52	43	0.08	
	Liverpool (Bidston)	29.54	52	SW	3	b	29.51	-.05	47	44	—	SSW	1	0	2	57	43	0.06	
	Holyhead ...	29.51	46	SSW	5	cm	29.48	-.05	46	45	0	SSW	4	C	4	51	42	0.04	
	Parsonstown ...	29.46	51	SW	2	C	29.43	+ .01	48	46	—	SW	2	C	*	54	40	0.45	
	Valencia ...	29.53	51	WSW	4	b	29.55	+ .08	51	48	0	W	5	cg	6	53	45	0.19	
FRANCE & NETHERLANDS.	Roche's Point...	29.51	47	WSW	4	r	29.53	+ .05	50	47	+ 1	W	5	b	4	53	44	0.12	
	Pembroke ...	29.58	47	SSW	4	b	29.57	-.02	46	45	0	SW	5	b	4	48	43	0.05	
	Scilly ...	29.67	51	SW	5	C	29.75	+ .09	50	49	+ 1	WSW	5	cm	5	55	46	0.01	
	Prawle Point ...	29.70	46	SSW	5	C	29.71	-.01	47	46	0	SW	5	C	4	50	41	0.12	
	Jersey ...	29.79	50	WSW	4	C	29.83	.00	49	46	—	SW	5	b	4	56	45	0.24	
	Hurst Castle ...	29.71	46	SW	5	mp	29.71	-.05	46	46	0	WSW	6	cp	4	50	44	0.16	
	Dungeness ...	29.73	46	SW	4	C	29.70	-.12	46	45	+ 2	SW	5	C	4	50	43	0.09	
	London ...	29.68	52	S	3	b	29.68	-.08	50	46	+ 2	SW	3	cp	*	59	45	0.02	
	Oxford ...	29.66	47	SW	2	p	29.64	-.06	45	43	—	SW	4	p	*	56	44	0.14	
	Cambridge ...	29.66	51	SSW	1	C	29.62	-.10	50	47	+ 3	SW	2	0	*	62	43	0.24	
PENIN- SULA.	Yarmouth ...	29.68	47	S	3	b	29.62	-.18	47	46	+ 3	SW	4	C	3	47	43	0.01	
	Cuxhaven ...	29.92	43	ESE	2	b	29.79	-.20	50	48	+ 8	SW	4	C	*	50	42	—	
	Berlin ...	29.91	50	Z	0	0	29.91	-.05	51	50	+ 4	SSW	2	0	*	61	46	0.08	
	Wiesbaden ...	*	*	*	*	*	29.96	-.03	54	53	+ 1	SW	2	b	*	59	46	—	
	Munich ...	29.99	53	Z	0	C	30.04	+ .01	48	47	0	W	5	r	*	61	46	0.04	
	The Helder ...	29.80	48	S	1	0	29.71	-.20	44	44	+ 3	SW	5	0	3	54	41	0.12	
	Brussels ...	*	*	*	*	*	29.84	-.10	49	47	—	WSW	4	r	*	53	46	0.08	
	Cape Gris Nez...	29.76	46	SSW	5	C	29.75	-.10	46	45	0	SSW	7	0	4	54	43	0.08	
	Paris ...	29.88	54	S	5	C	29.95	-.07	48	46	+ 4	SW	4	b	*	54	44	0.08	
	Brest ...	29.85	49	SW	7	0	29.86	+ .05	48	45	0	SW	5	0	5	52	45	0.12	

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on WEDNESDAY 18TH APRIL 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 6 to 10;
→ = forces 5 to 7; → = forces 1 to 4;
○ = dead calm.

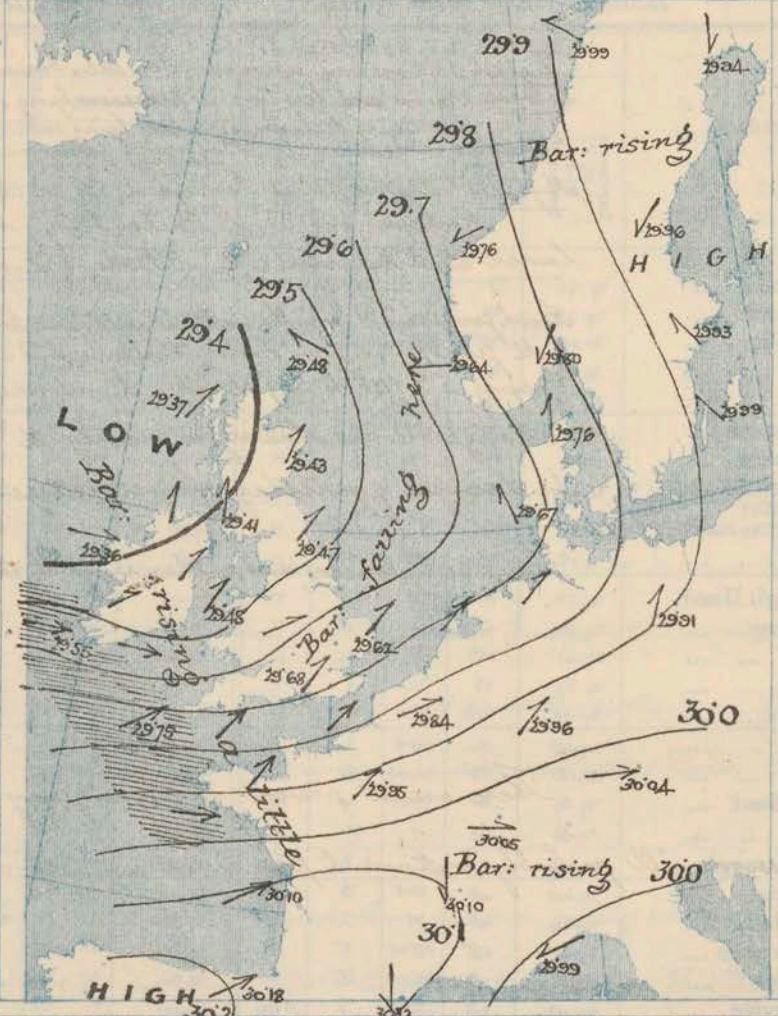
Sea Disturbance—where considerable, is shown thus.

— Rough — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.857
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Roche's Point	29.838
Pembroke	29.844
Scilly	29.849
Jersey	29.867
Hurst Castle	29.867
Dover	29.866
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



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.

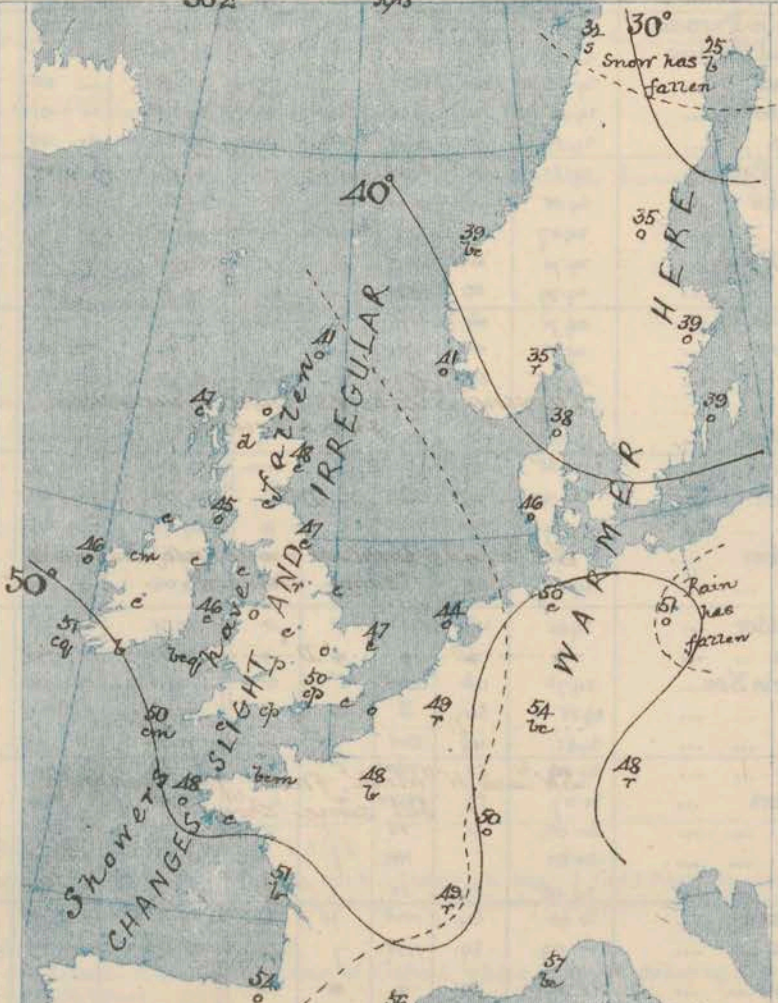
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of April.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	46.3	37.3	41.9	40.5	2.16
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	49.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.6	38.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	42.1	1.85
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	42.6	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	46.2	44.2	1.86
Liverpool	53.0	40.7	45.5	42.6	1.56
Parsonstown	55.0	38.3	45.7	43.0	2.15
Valencia	54.3	42.9	48.4	46.9	4.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	52.5	45.0	49.0	47.1	2.45
Jersey	54.6	43.6	49.0	46.4	2.04
Hurst Castle	52.3	41.4	45.9	44.6	1.87
Dover	51.5	42.4	47.1	44.5	1.81
LONDON	56.7	40.0	46.8	43.8	1.86
Oxford	55.1	39.3	45.0	42.7	1.79
Cambridge	56.2	37.7	45.5	43.3	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

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 Iberian Peninsula; 29.9 ins. and upwards in Sweden. Lowest 29.4 ins. and less in a depression lying over the west of Scotland and north of Ireland. Shallow secondary disturbances are lying over Great Britain and the North Sea. Gradients moderate. Barometer falling on our east coast, and also on the eastern shores of the North Sea, but rising elsewhere.
TEMPERATURE	Highest 57° at Nice, 56° at Perpignan, 54° at Wiesbaden, Biarritz and Lisbon, 51° at Valencia, Berlin and Rochefort, and 50° at Rocher Point, Dublin, London and Belfast. Lowest 25° at Naparanda, 32° at Bodo, 33° at Hornum and Faerder, 36° at Skagen, and 39° at Christiansund, Stockholm and Wisby.
WIND	Fresh from S.W. or W. over the west and south of our islands, and also over the Netherlands, Germany and the greater part of France. Light from S. or S.W. on our northern and eastern coasts. Varying E. (NE to SE) at the Scandinavian stations.
WEATHER	Changeable and showery in nearly all parts of western Europe. In the course of yesterday showers fell generally, and thunderstorms were experienced in the northeast of England.
SEA	Rough at Valencia, and rather rough at the mouth of the Channel, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any important change in the weather. Shallow depressions will probably continue to pass across our islands, occasioning showers in most districts.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	Varying S ^{ly} breezes, light, changeable, some rain.	6 { SCOTLAND WEST	S ^{ly} and SW ^{ly} winds, moderate, changeable, some showers.
1 { SCOTLAND EAST	.....D°.....D°.....D°.....	7 { ENGLAND N. W.	.....D°.....D°.....D°.....
2 { ENGLAND N. E.	SW ^{ly} winds, light or moderate, changeable, some showers.	8 { ENGLAND S. W.	W ^{ly} and SW ^{ly} winds, fresh, changeable, some showers.
3 { ENGLAND EAST	.....D°.....D°.....D°.....	9 { IRELAND NORTH	.....D°.....D°.....D°.....
4 { MIDLAND COUNTIES	.....D°.....D°.....D°.....	10 { IRELAND SOUTH	.....D°.....D°.....D°.....
5 { ENGLAND SOUTH	SW ^{ly} and W ^{ly} winds, fresh, fair generally, but some showers.	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.55	40	37	SSE	6	c	4	Holyhead ..	29.52	50	48	SSW	5	bmg	4
Sumburgh Head	29.61	43	43	SE	11	0	4	Valencia ...	29.51	50	48	SW	4	op	4
Stornoway ...	29.35	51	50	SE	3	0	3	Scilly ...	29.67	54	51	SW	5	b	5
Aberdeen ...	29.48	45	44	SSE	5	0	4	Jersey ...	29.80	52	49	SW	3	c	3
Shields ...	29.51	54	49	SSW	3	0	2	Dungeness ...	29.77	50	48	SW	5	c	4*
Ardrossan ...	29.39	48	47	S	3	c	3	London ...	29.71	57	53	SW	5	c	
Malin Head	29.30	49	45	W	3	c	2	Yarmouth ...	29.7	47	45	SSE	5	bcm	4
Mullaghmore ...	29.34	51	48	WSW	5	bcp	4	Rocheport ...	30.07	53	52	SW	7	r	3
Belmullet ...	29.36	51	47	W	6	bc	*								

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

The reports for yesterday morning showed, that pressure was highest (30.1 in. and more), over northern Russia and Spain, and that it exceeded 30.0 in. over the whole of the Baltic, Central Europe, France and a great part of the Mediterranean. To the northwestward however, readings were of less value, being found somewhat below 29.3 in. in a depression, the centre of which was moving northwards along the west coast of Ireland. Thus, while light variable winds and fine weather prevailed over central and northern Europe, S.W. winds and mild weather were experienced over the British Islands and France, with occasional showers of rain, separated by intervals of bright sunshine. Temperature was still low over northern Europe, but somewhat high in our Islands; the values ranged from 50° and more over the Mediterranean and Bay of Biscay, to rather below the freezing point in the north of Sweden, and to 18° below that value on the shores of the White Sea. The lowest individual values recorded at 8 a.m. were 14° at Archangel and Haparanda, 20° at Kuopio, 23° at Copenhagen, 28° at Hernösand, and 30° at Riga and Hangö, the highest were 61° at Sfax (Tunis), and at Barcelona, 59° at Malta, 58° at San Fernando, Leagloari and Nice, 56° at Le Havre, Monaco and Lisbon, 55° at Palermo, 53° at Perpignan, Belfort and Wiesbaden, 52° at Biarritz and Rome, 51° at Valencia (Ireland), and 50° at Lorient, Rocheport and Lyons.

Later in the day the depression in the northwest began to fill up slowly; showers fell generally, and thunderstorms occurred in the north and northeast of England.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for *Thurs* *18* *April* *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 3 P. 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 3 P. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.94	44	Z	0	b	29.85	-0.09	42	20	-3	Z	2	0	*	39	21	-	
	Hernösand ...	29.87	31	ENE	2	s	29.66	-0.30	35	34	0	Z	0	8	*	37	25	0.24	
	Stockholm ...	29.76	37	SE	2	o	29.74	-0.19	38	37	-1	S	2	3	*	45	30	-	
	Wisby ...	29.84	39	S	4	c	29.81	-0.18	43	42	+1	SW	4	0	*	50	32	-	
	Bodö ...	29.91	30	ENE	2	b	29.71	-0.28	32	30	0	ENE	2	0	1	34	25	-	
	Christiansund...	29.60	40	ENE	1	o	29.55	-0.21	40	38	+1	NNE	2	0	3	45	36	-	
	Skudesnaes ...	29.55	40	Z	0	r	29.59	-0.05	39	38	-2	SSE	1	0	2	43	?	-	
	Christiania Fjord (Fæder)	29.62	36	NNE	2	r	29.56	-0.24	37	36	+2	SSW	3	3	3	?	?	0.32	
	Skagen (The Scaw)	29.62	39	SSW	3	o	29.62	-0.14	40	40	+2	trsw	3	0	2	41	38	0.12	
	Fanö ...	29.67	41	SSW	4	o	29.65	-0.02	42	41	-1	SW	4	0	*	46	41	0.16	
BRITISH ISLANDS.	Sumburgh Head	29.46	44	ESE	1	m	29.53	+0.05	40	40	-1	Z	0	m	3	43	38	0.02	
	Stornoway ...	29.43	44	E	2	r	29.53	+0.10	46	46	-1	NE	3	0	3	52	43	0.22	
	Wick ...	29.42	45	SW	2	o	29.52	+0.11	48	48	+3	S	1	m	2	53	43	0.02	
	Nairn ...	29.38	52	E	1	c	29.51	+0.12	43	42	-2	Z	0	0	1	55	42	0.02	
	Aberdeen...	29.42	49	S	2	bc	29.50	+0.07	46	44	-2	NW	2	0	1	56	38	-	
	Leith ...	29.40	52	E	1	c	29.48	+0.06	45	44	-3	Z	0	cm	*	55	40	0.08	
	Shields ...	29.43	48	S	3	cp	29.47	-0.00	48	46	+1	trsw	1	cp	2	55	43	0.03	
	Spurn Head ...	29.53	50	SW	4	bc	29.53	-0.01	47	45	0	SSW	4	0	2	54	43	0.03	
	York ...	29.50	54	S	1	r	29.51	-0.01	47	46	+2	S	1	r	*	55	44	0.16	
	Loughborough	29.56	49	trsw	2	c	29.54	-0.04	48	46	0	SW	2	0	*	54	44	0.23	
GERMANY.	Ardrossan ...	29.39	51	S	1	o	29.49	+0.08	49	46	+2	N	2	0	2	58	43	0.10	
	Malin Head ...	29.35	48	SW	1	op	29.56	+0.24	45	44	0	N	3	cm	3	51	48	0.05	
	Mullaghmore ...	29.40	49	trsw	5	c	29.60	+0.21	48	46	0	NW	5	0	3	52	45	0.11	
	Belmullet ...	29.44	50	trsw	5	o	29.69	+0.33	49	46	+3	NW	4	bc	*	51	43	0.20	
	Donaghadee ...	29.38	48	trsw	2	bc	29.51	+0.06	46	45	0	NNE	4	bc	2	48	44	0.10	
	Barrow-in-Furness	29.44	45	SSW	4	c	29.48	+0.01	45	44	0	SW	3	0	*	51	43	0.03	
	Liverpool (Bidston)	29.48	49	SW	5	o	29.51	-0.01	46	45	-1	SW	1	r	2	56	45	0.02	
	Holyhead ...	29.47	45	SW	5	q/rm	29.50	+0.02	44	44	-2	trsw	1	r/m	2	50	43	0.31	
	Parsonstown ...	29.48	50	SW	3	o	29.60	+0.17	47	45	-1	NW	3	0	*	54	43	0.13	
	Valencia ...	29.60	50	W	4	op	29.74	+0.19	50	47	-1	NW	5	0	5	54	46	0.11	
FRANCE & NETHERLANDS.	Roche's Point...	29.55	52	W	4	bc	29.57	+0.04	50	46	0	trsw	6	bc	4	54	45	0.10	
	Pembroke ...	29.57	46	SW	5	bc	29.54	-0.03	45	45	-1	trsw	4	cp	3	48	44	0.02	
	Scilly ...	29.71	50	trsw	5	bm	29.66	-0.09	49	47	-1	W	6	0	5	55	46	0.01	
	Prawle Point ...	29.71	46	SW	4	bc	29.63	-0.09	46	46	-1	trsw	4	0	3	51	42	0.02	
	Jersey ...	29.79	49	SW	3	cg	29.71	-0.12	47	46	-2	trsw	4	cg/rm	4	54	44	0.20	
	Hurst Castle ...	29.70	46	SW	5	bc	29.63	-0.08	45	44	-1	SW	4	omv	3	49	44	0.02	
	Dungeness ...	29.70	47	SW	5	bc	29.67	-0.03	44	44	-2	trsw	4	d	2	49	43	0.01	
	London ...	29.66	51	trsw	4	c	29.60	-0.08	49	46	-1	SW	3	0	*	58	41	0.08	
	Oxford ...	29.64	47	trsw	3	b	29.59	-0.05	45	44	0	SW	2	p	*	55	41	0.06	
	Cambridge ...	29.61	51	SSW	2	o	29.57	-0.05	49	47	-1	SW	2	0	*	58	39	0.04	
PENIN- SULA.	Yarmouth ...	29.61	51	SW	4	bc	29.60	-0.02	48	46	+1	SSW	3	0	3	54	41	0.08	
	Cuxhaven ...	29.81	47	SSW	4	c	29.77	-0.02	46	45	-4	S	2	0	*	53	44	0.12	
	Berlin ...	29.89	58	W	1	bc	29.86	-0.05	53	48	+2	SSW	2	0	*	63	45	-	
	Wiesbaden ...	*	*	*	*	*	29.82	-0.14	49	45	-5	SW	1	0	*	61	39	-	
	Munich ...	30.04	49	W	2	r	29.88	-0.16	48	46	0	SE	3	0	*	61	43	0.32	
	The Helder ...	29.70	44	SW	5	b	29.68	-0.03	42	42	-2	SW	3	0	3	48	43	-	
	Brussels ...	*	*	*	*	*	29.71	-0.13	49	47	0	SSW	4	0	*	58	47	0.12	
	Cape Gris Nez...	29.74	46	trsw	7	bc	29.63	-0.12	44	44	-2	trsw	5	0	3	50	43	0.08	
	Paris ...	29.79	56	SW	4	bc	29.75	-0.20	45	44	-3	SSE	1	r	*	61	43	0.16	
	Brest ...	29.82	49	SW	4	o	29.77	-0.09	48	47	0	trsw	5	0	5	50	45	0.24	

For Explanation of Columns, see p. 2. At Victoria St. SW. The amount of Rainfall was 0.21 in. 1 Receipt for sale for insertion in Charts on p. 2

WEATHER CHARTS

for 8 a.m. on

Thursday, 19th April

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

→ = forces above 10; →→ = forces 8 to 10;

→→ = forces 5 to 7; →→ = forces 1 to 4;

○ = dead calm.

Sea Disturbance — where considerable is shewn thus.

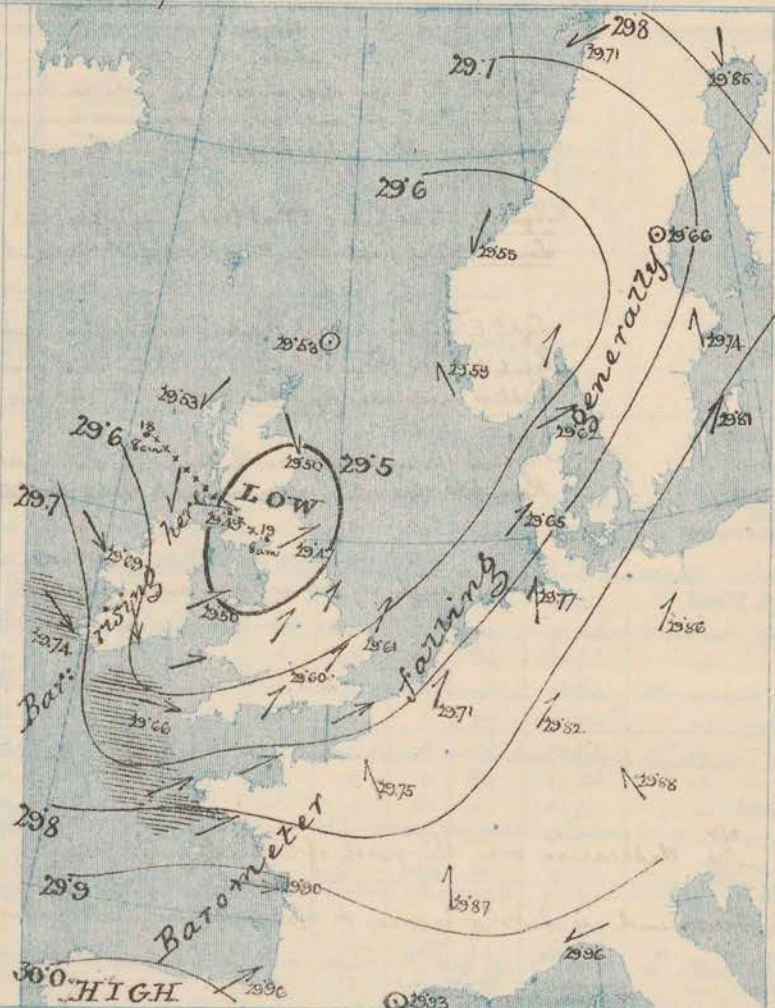
■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871 — 1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.857
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Roche's Point	29.838
Pembroke	29.844
Scilly	29.849
Jersey	29.867
Hurst Castle	29.867
Dover	29.866
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



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.

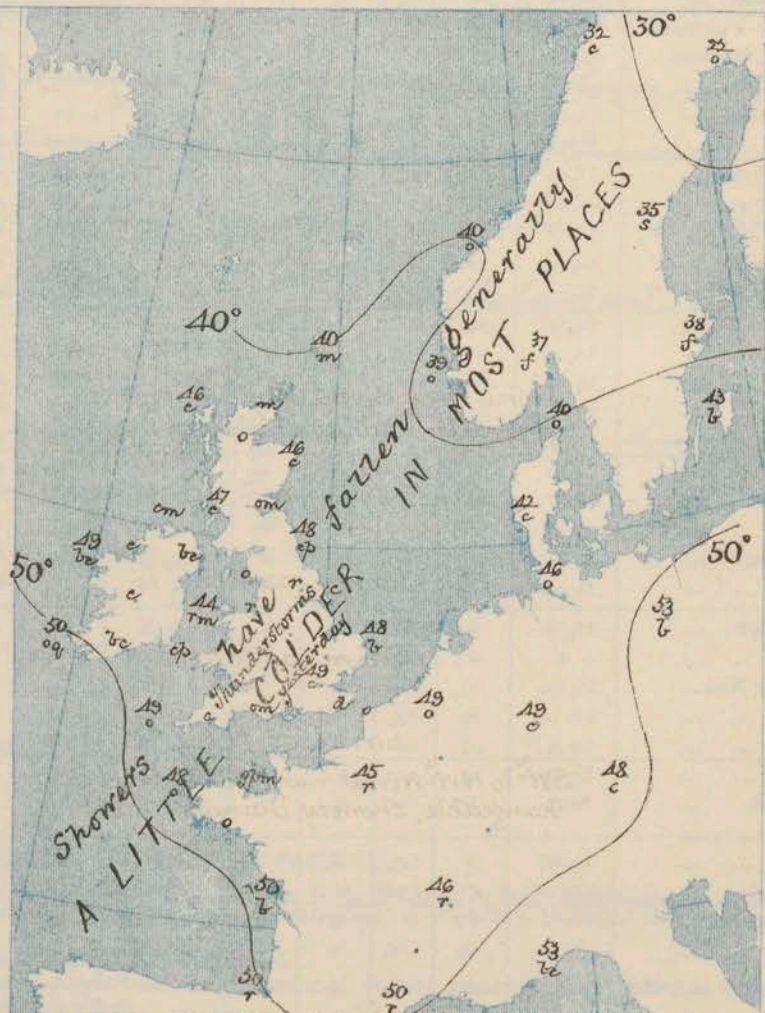
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of April.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 3 a.m.		
			Dry.	Wet.	
Sumburgh Head.	46.3	37.3	41.9	40.5	2.16
Stornoway.	49.3	37.5	44.1	42.3	2.51
Wick.	49.2	37.4	43.2	41.2	1.56
Nairn.	51.5	37.9	48.1	40.6	1.23
Aberdeen.	49.6	38.5	43.4	40.9	2.23
Leith.	52.6	38.2	44.2	42.1	1.65
Shields.	49.2	39.2	43.8	41.7	1.94
York.	54.1	37.8	44.1	42.0	1.86
Loughborough.	55.7	38.3	45.1	42.6	1.77
Ardrossan.	52.1	39.9	44.6	42.2	2.23
Donaghadee.	51.3	40.1	44.8	43.2	2.02
Holyhead.	51.9	42.4	46.2	44.2	1.86
Liverpool.	53.0	40.7	45.5	42.8	1.56
Parsonstown.	55.0	38.3	45.7	43.0	2.15
Valencia.	54.3	42.9	48.4	45.9	4.01
Roche's Point.	54.2	42.4	47.0	44.9	3.43
Pembroke.	50.8	42.1	45.6	43.6	2.10
Scilly.	52.5	45.0	49.0	47.1	2.45
Jersey.	54.6	43.6	49.0	46.4	2.04
Hurst Castle.	52.3	41.4	45.9	44.6	1.87
Dover.	51.5	42.4	47.1	44.5	1.81
LONDON.	56.7	40.0	46.8	43.8	1.86
Oxford.	55.1	39.3	45.0	42.7	1.79
Cambridge.	56.2	37.7	45.5	43.3	1.76
Yarmouth.	49.5	40.4	45.1	43.4	1.80

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.2 ins: and upwards, over the southern part of the Iberian Peninsula. Lowest, 29.5 ins: and less, in a depression lying over the southeast of Scotland and north of England. Gradients slight. Barometer rising in the west and north of our islands, but falling elsewhere.
TEMPERATURE	Highest, 56° at Lisbon, 53° at Berlin and Kiev, and 50° at Valencia, Rochepoint, Rochefort, Biarritz and Bapaume. Lowest, 22° at Haparanda, 32° at Hedo, 35° at Helsingfors, 37° at London, 38° at Stockholm, and 39° at Skudsmo.
WIND	Light E ^{ly} in the west of Norway; variable in Scotland. Fresh NW ^{ly} or N ^{ly} in Ireland and W ^{ly} in the southwest of England and west of France. Light or moderate from the SW ^{ly} or S ^{ly} elsewhere.
WEATHER	Fair in the west and north of our islands, but changeable and showery elsewhere with snow at Helsingfors. Rain fell generally yesterday, and slight thunderstorms were experienced at several of the English stations.
SEA	Rather rough on our extreme southwest coasts, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the north of England will probably continue to travel in a southeasterly direction, and in its rear the wind is likely to veer to the northwesterward generally, with some slight decrease of temperature.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	Light breezes, chiefly N ^{ly} ; fair generally, but local 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 ^{ly} to NW ^{ly} winds, moderate or fresh; changeable, showery, thunder locally.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	W ^{ly} to NW ^{ly} winds, moderate; showery to fair.
7	ENGLAND N.W.	-----D°-----D°-----D°-----
8	ENGLAND S.W.	W ^{ly} to NW ^{ly} winds, strong; showery to fair.
9	IRELAND NORTH	NW ^{ly} and N ^{ly} winds, fresh; fair generally but local showers.
10	IRELAND SOUTH	-----D°-----D°-----D°-----

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.58	43	40	ESE 2	0	3	Holyhead ...	29.47	49	47	SEW 5	c qf	4
Samburgh Head ...	29.48	42	42	ESE 2	m	4	Valencia ...	29.59	52	50	WSEW 5	b qf p	5
Stornoway ...	29.40	51	49	E 2	bc	2	Scilly ...	29.73	57	51	WSEW 5	bc	5
Aberdeen ...	29.42	50	49	S 3	bc	2	Jersey ...	29.84	49	47	WSEW 4	c	3
Shields ...	29.45	48	45	W 0	c	2	Dungeness ...	29.72	49	47	SW 6	bc	4
Ardrossan ...	29.40	54	50	S 1	bc	1	London ...	29.66	51	49	SW 3	cp	*
Malin Head ...	29.34	50	48	SW 1	0	1	Yarmouth ...	29.62	57	49	SEW 4	c	3
Mullaghmore ...							Rochefort ...	30.11	54	51	WSEW 7	c	2
Belmullet ...	29.43	50	48	W 5	0	*							

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

The reports for yesterday morning showed some reduction of pressure over Northern Europe and some increase in the extreme west and southwest, where readings were then highest (30.4 ins. and more). A broad band in which readings exceeded 30.0 ins. still lay over southern and central Europe, the Baltic and north of Russia, while to the northwestward the values decreased to 29.4 ins. and less off the northwestern coasts of the British Isles. A badly defined "hollow" lay over the United Kingdom and North Sea. SW^{ly} (W to S) winds of little strength prevailed very generally, accompanied by showers over the British Isles, France and the adjacent regions. Temperature had risen over Northern Europe (where, however, it was still below the freezing point) and changed little and irregularly elsewhere. The lowest individual values recorded at 8 am were 24° F. at Archangel, 25° at Haparanda, 30° at St. Petersburg, and 32° at Rodeo, Krasno, and Helsingfors, the highest were 65° at Oran (Algeria), 64° at Barcelona and Cagliari, 61° at Brindisi, 60° at Malta, 59° at Florence, 57° at Nice, 56° at Perpignan, 54° at Bismarck and Wiesbaden, and 51° at Valencia (Ireland).

Later in the day heavy showers prevailed in many parts of the Kingdom, hail in some places (heavy over S. Lincolnshire) and thunderstorms locally.

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, 20th April* 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.73	31	N	2	S	29.82	- .03	32	30	+ 10	NNE	4	0	*	36	19	0.04	
	Hernösand ...	29.71	33	SE	2	T	29.89	+ .24	36	34	+ 1	NE	2	0	*	43	28	0.04	
	Stockholm ...	29.77	40	SSW	2	bc	29.82	+ .08	39	38	+ 1	2	0	0	*	50	34	-	
	Wisby ...	29.86	38	NW	4	T	29.78	- .03	44	43	+ 1	E	2	T	*	54	32	0.16	
	Bodö ...	29.78	34	SSE	2	0	29.89	+ .18	33	31	+ 1	ENE	2	bc	1	36	30	-	
	Christiansund...	29.82	37	NNE	6	f	29.97	+ .42	37	34	- 3	ENE	3	0	3	41	33	0.04	
	Skudesnaes ...	29.70	39	SSW	2	0	29.76	+ .17	42	41	+ 3	2	0	0	2	?	?	-	
	Christiania Fjord (Færder)	29.74	36	SW	2	f	29.78	+ .22	35	34	- 2	N	3	0	1	39	34	-	
	Skagen (The Scaw)	29.72	38	E	1	0	29.71	+ .09	39	39	- 1	E	1	0	1	45	38	0.16	
	Fanö ...	29.68	43	2	0	c	29.67	+ .02	47	46	+ 5	SSE	2	c	*	48	?	-	
BRITISH ISLANDS.	Sumburgh Head	29.66	40	NE	4	T	29.92	+ .39	39	36	- 1	NE	6	0	6	43	36	0.23	
	Stornoway ..	29.63	45	NE	5	0	29.94	+ .41	43	42	- 3	NE	7	T	6	47	39	0.12	
	Wick ...	29.66	43	E	2	T	29.94	+ .42	41	40	- 7	E	6	0	4	48	39	0.30	
	Nairn ...	29.59	45	E	2	0	29.83	+ .32	40	39	- 3	E	7	0p	6	54	39	0.12	
	Aberdeen...	29.58	43	SSE	1	m	29.78	+ .28	42	41	- 4	NE	6	0	6	52	40	0.22	
	Leith ...	? 29.55	47	NE	1	0	29.69	+ .21	42	42	- 3	NE	3	0d	*	50	40	0.24	
	Shields ...	29.52	46	N	2	op	29.62	+ .15	42	42	- 6	NE	2	opm	3	50	41	0.05	
	Spurn Head ...	29.54	46	SE	1	c	29.54	+ .01	44	43	- 3	E	2	Tm	3	52	41	0.61	
	York ...	29.52	48	S	1	bc	29.57	+ .06	45	44	- 2	NNE	1	T	*	51	42	0.43	
	Loughborough	29.53	52	WSW	1	0	29.55	+ .01	44	43	- 4	W	1	T	*	58	43	0.63	
GERMANY.	Ardrossan ...	29.56	50	NW	2	0	29.67	+ .18	46	44	- 1	NNE	3	0	2	54	42	0.03	
	Malin Head ...	29.61	47	NW	3	op	29.71	+ .15	43	43	- 2	NNE	4	op	4	50	40	0.22	
	Mullaghmore ...	29.69	46	NW	6	c	29.68	+ .08	45	44	- 3	N	9	om	4	52	41	0.24	
	Belmullet ...	29.80	45	NW	6	op	29.77	+ .08	44	42	- 5	N	9	0	*	50	41	0.19	
	Donaghadee ...	29.59	48	NW	4	b	29.64	+ .13	45	44	- 1	ENE	5	c	3	51	42	-	
	Barrow-in-Furness	29.53	48	N	3	0	29.56	+ .08	46	45	+ 1	N	2	om	*	52	44	-	
	Liverpool (Bidston)	29.57	46	W	3	bc	29.58	+ .07	43	42	- 3	W	2	0	2	50	43	0.09	
	Holyhead ...	29.60	47	NW	2	bc	29.60	+ .10	44	44	0	NW	3	0	3	50	42	0.05	
	Parsonstown ...	29.44	48	NW	5	c	29.68	+ .08	42	40	- 5	NW	2	T	*	53	39	0.11	
	Valencia ...	29.90	49	NW	4	bc/p	29.91	+ .17	44	42	- 6	NW	5	eq/p	5	54	40	0.09	
FRANCE & NETHERLANDS.	Roche's Point...	29.75	50	NW	6	bq	29.74	+ .17	43	40	- 7	NW	6	0	4	55	40	-	
	Pembroke ...	29.66	46	W	4	c	29.65	+ .11	39	38	- 6	WNW	5	T	4	50	39	0.20	
	Scilly ...	29.76	49	WNW	6	c	29.78	+ .12	46	43	- 3	NW	7	eqw	6	51	43	-	
	Prawle Point ...	29.64	49	NW	5	bc	29.70	+ .07	43	41	- 3	W	6	bc	5	51	38	0.03	
	Jersey ...	29.68	49	WSW	4	cq	29.75	+ .04	44	41	- 3	W	5	c	4	52	44	0.05	
	Hurst Castle ...	29.60	45	WSW	3	bc	29.63	- .00	45	43	0	WNW	4	bc	2	50	43	-	
	Dungeness ...	29.59	46	WSW	5	m	29.56	- .11	44	44	0	WSW	3	T	2	49	43	0.04	
	London ...	29.57	50	W	2	b	29.58	- .02	44	43	- 5	W	1	0	*	55	43	0.62	
	Oxford ...	29.58	46	2	0	0	29.59	- .00	45	43	0	NW	2	0	*	54	42	0.16	
	Cambridge ...	29.57	48	SW	1	T	29.57	- .00	43	43	- 6	SW	1	T	*	58	41	0.60	
PENIN- SULA.	Yarmouth ...	29.57	49	SSW	2	c	29.56	- .04	44	43	- 4	S	3	cpm	3	51	41	0.04	
	Cuxhaven ...	29.74	51	SSE	1	T	? 29.61	- .16	48	47	+ 2	NNE	1	f	*	55	45	0.28	
	Berlin ...	29.74	63	SSE	1	bc	29.68	- .18	50	48	- 3	SE	2	c	*	?	43	0.08	
	Wiesbaden ...	*	*	*	*	*	29.69	- .13	51	45	+ 2	SW	1	bc	*	61	43	0.04	
	Munich ...	29.73	53	NE	1	c	29.75	- .13	42	42	- 6	W	5	T	*	59	41	0.04	
	The Helder ...	29.68	42	S	1	b	29.65	- .03	46	45	+ 4	SSE	1	c	1	46	41	-	
	Brussels ...	*	*	*	*	*	29.66	- .05	46	45	- 3	SSW	4	T	*	56	45	0.08	
	Cape Gris Nez...	29.63	46	SW	5	bc	29.58	- .05	44	44	0	SW	4	0	3	50	43	-	
	Paris ...	29.73	52	WNW	1	bc	29.73	- .02	46	44	+ 1	SW	3	T	*	59	?	0.39	
	Brest ...	29.78	49	NW	7	b	29.86	+ .09	49	48	+ 1	NW	5	b	5	52	39	0.16	

WEATHER CHARTS

for 8 a.m. on

Friday, 20th April

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.

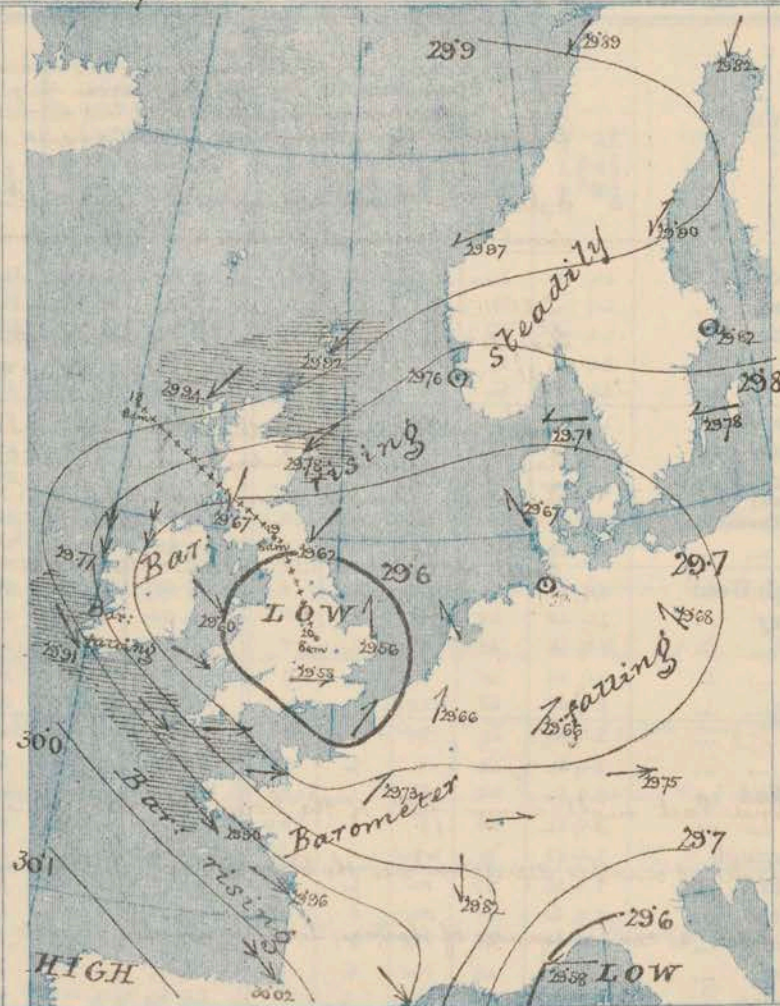
Sea Disturbance — where considerable, is shown thus.

— Rough — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.857
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Roche's Point	29.838
Pembroke	29.844
Scilly	29.849
Jersey	29.867
Hurst Castle	29.867
Dover	29.866
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



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 April.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	46.3	37.3	41.9	40.5	2.18
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	49.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.6	38.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	42.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	42.6	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	46.2	44.2	1.86
Liverpool	53.0	40.7	45.5	42.6	1.56
Parsonstown	55.0	38.3	45.7	43.0	2.15
Valencia	54.3	42.9	48.4	45.9	4.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	52.5	45.0	49.0	47.1	2.45
Jersey	54.6	43.6	49.0	46.4	2.04
Hurst Castle	52.3	41.4	45.9	44.6	1.87
Dover	51.5	42.4	47.1	44.5	1.81
LONDON	56.7	40.0	46.8	43.8	1.86
Oxford	55.1	39.3	45.0	42.7	1.79
Cambridge	56.2	37.7	45.5	43.3	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

NOTE — The Temperature means are for the 15 years 1871 — 85, the Rainfall means are mainly those for the 10 years 1866 — 85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in: and upwards over Portugal; 29.9 in: and upwards in a large area lying to the northward of our Islands.
 Lowest, 29.6 in: and less, in a depression lying over the greater part of England.
 Gradients rather steep over Ireland, Scotland, and the south-west of England, but slight elsewhere.
 Barometer falling in Ireland and also in Denmark, the Netherlands, the extreme south-east of England and the south of France, but rising elsewhere.

TEMPERATURE

Highest, 52° at Kew and Lisbon, 51° at Nisabon and Perpignan, and 50° at Berlin, Rockfort and Nice and 48° at Basel.
 Lowest, 32° at Haparanda, 33° at Rode, 35° at Saardam, 36° at Hermand, 37° at Christiansund, and 39° at Stockholm, Elbogen, and Lumburg Hens.

WIND

Light NE^{ly} in Scandinavia; strong from the same quarter in Scotland.
 Strong to a gale from N. in the west of Ireland; strong from NW. over our southwest coast and the Bay of Biscay.
 Light SW over Belgium, the northeast of France, and the southeast of England; SE^{ly} in Denmark and North Germany.

WEATHER

Cloudy or overcast generally with rain in many places.
 Rain fell yesterday ~~yesterday~~ at nearly all stations; the largest amounts being 0.7 in: at Cambridge, and 0.6 in: at Farn H. and in London.
 Thunderstorms occurred in many parts of Great Britain.

SEA

Rough off the north and northeast of Scotland, and rather rough on our extreme southwest coast, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Since last night a new fall of the barometer has set in over Ireland, and there are now some indications of the formation of another depression over the St. George's Channel. A further increase of wind is therefore probable in the north and west, with a continuance of showery weather in all districts.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

NE^{ly} and E^{ly} winds, strong to a gale; squally, some showers.
 ----- D° ----- D° ----- D° -----
 NE^{ly} winds, freshening, unsettled, some showers.
 Light breezes, direction doubtful; unsettled, showery.
 Same as No 5
 W^{ly} or NW^{ly} winds, moderate, unsettled, showery.

DISTRICTS.

FORECASTS.

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

Same as No 0
 N^{ly} winds, freshening; squally, showery.
 NW^{ly} to N^{ly} winds, strong to a gale; squally, showery.
 NE^{ly} and N^{ly} winds, strong to a gale; squally, showery.
 Same as No 8
 The N. cone has been hoisted this morning in districts 0.1.6.8.9. and 10.

WARNINGS

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	29.65	53	43	ESS 2	c	2	Holyhead ...	29.57	48	47	NW 1	bc	2
Sumburgh Head ...	29.61	42	42	NE 3	r	3	Valencia ...	29.86	50	48	NW 4	o g/p	4
Stornoway ...	29.59	44	46	NE 5	o	4	Scilly ...	29.69	51	49	WNW 7	c	5
Aberdeen ...	29.54	46	45	ESS 2	c	2	Jersey ...	29.69	52	49	WSW 5	bc	4
Shields ...	29.51	48	46	WSW 2	c	2	Dungeness ...	29.62	48	46	WSW 4	c	3
Ardrossan ...	29.52	50	47	W 2	o	1	London ...	29.58	49	48	WSW 3	or	*
Malin Head ...	29.60	49	47	NW 3	6	3	Yarmouth ...	29.58	47	45	S 4	c	3
Mullaghmore ...	29.67	50	47	NW 5	cp	4	Rocheport ...	29.92	58	53	WNW 5	bc	2
Belmullet ...	29.77	49	46	WNW 6	o	*							

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

The reports for yesterday morning showed that pressure was highest 30.1 ins: and upwards over Morocco and the southern part of the Iberian Peninsula, and relatively high 29.9 ins: and upwards over Central Russia. The lowest readings 29.5 ins: and less were found in a well marked depression lying over the south east of Scotland and north of England, but shallow disturbances were also situated respectively over Norway and Southern Austria. The prevailing winds over Europe were SW^{ly} or S^{ly}, but in the north of Scandinavia, light NE^{ly} or N^{ly} breezes were reported, while in the extreme west of our Islands the wind was strong from the NW^{ly}. The weather was fine over the greater part of Central and Southern Europe, but unsettled and showery in all the more western and northern countries. Temperature had risen somewhat over Russia, Italy, and Algeria, but fallen a little elsewhere; readings ranged from between 55° and 65° in Spain, Italy, and Algeria to 32° or less over the northern parts of Russia and Scandinavia. The highest individual readings were 64° at Cagliari, Oran, La-Calle and Berke, 63° at Algiers and Sfax, 61° at Barcelona and Brindisi, and 59° at Messana and Livorno; the lowest were 22° at Hafavanda, 28° at Archangel, 31° at Uleaborg, 32° at Bodø, 33° at Kuopio, 34° at Kiew and 35° at Helsingfors and Moscow.

In the course of the day the depression over the north of England travelled slowly southwards, and the barometer rose somewhat on our western and northern coasts. Changeable, showery weather continued over the greater part of Western Europe, with thunderstorms in many parts of Great Britain.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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DAILY WEATHER REPORT.

for *Saturday, 21st April* 1888.
 Issued by the *Meteorological Office, 116, Victoria Street, London.* R.H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.98	32	NE	2	0	30.11	+29	24	24	-	8	NNE	4	S	*	36	24	-
	Hernösand ...	30.01	31	NE	0	60	30.07	+17	35	33	-	1	SE	2	O	*	45	30	-
	Stockholm ...	29.89	82	NNE	4	0	29.87	+05	32	32	-	7	NE	6	S	*	46	32	-
	Wisby ...	29.82	40	E	4	0	29.70	-08	40	39	-	4	E	6	O	*	50	34	0.04
	Bodö ...	30.01	32	NE	0	0	30.12	+23	32	30	-	1	ENE	2	6	1	34	30	-
	Christiansund...	30.04	34	NE	6	0	30.05	+08	35	32	-	2	E	6	6	3	39	30	-
	Skudesnaes ...	29.82	41	NE	0	0	29.83	+09	46	41	+	4	NE	0	O	2	2	41	-
	Christiania Fjord (Fjord)	29.82	34	NNE	5	0	29.86	+08	34	34	-	1	NNE	6	S	2	39	34	-
	Skagen (The Scaw)	29.73	34	NE	3	0	29.75	+04	35	35	-	4	NE	4	O	3	39	3	0.51
	Fanö ...	29.67	41	NE	0	0	29.67	0.0	46	46	-	1	NE	1	5	*	35	45	0.04
BRITISH ISLANDS.	Sumburgh Head	30.00	39	NE	6	0	30.02	+10	40	35	+	1	NNE	5	60	6	42	33	0.01
	Stornoway ..	30.06	40	NE	7	psh	30.09	+15	38	38	-	5	NE	6	O	5	44	35	0.05
	Wick ...	30.03	39	NE	4	0	30.05	+11	41	40	0	0	NE	4	6	4	44	32	0.10
	Nairn ...	30.00	40	ENE	6	0	30.03	+20	38	36	-	5	ENE	5	chrs	6	43	33	0.03
	Aberdeen...	29.93	39	NNE	6	0	29.98	+20	40	35	-	2	NNE	6	chps	6	42	36	0.10
	Leith ...	29.88	40	ENE	5	0	29.94	+25	41	37	-	1	NE	4	O	*	42	36	0.11
	Shields ...	29.73	42	NE	3	0	29.84	+22	39	38	-	3	NE	6	Y	6	43	37	0.23
	Spurn Head ...	29.61	43	ENE	4	0	29.73	+19	41	41	-	3	NE	5	ogdp	5	45	40	0.08
	York ...	29.65	43	N	2	0	29.73	+16	42	41	-	3	NNE	2	Y	*	46	39	0.33
	Loughborough	29.57	46	NNE	1	7	29.72	+17	41	41	-	3	NNE	3	O	*	47	41	0.54
GERMANY.	Ardrossan ...	29.87	44	NNE	4	0	29.92	+25	39	36	-	7	NE	4	O	2	47	34	-
	Malin Head ...	29.88	43	NNE	4	ep	29.94	+23	39	35	-	4	NE	3	O	3	44	38	0.01
	Mullaghmore ...	29.87	45	NE	6	0	29.93	+25	40	37	-	5	E	5	O	4	49	38	-
	Belmullet ...	29.91	45	NE	7	0	29.94	+17	39	38	-	5	E	3	O	*	47	39	0.05
	Donsghadee ...	29.81	44	ENE	7	0	29.91	+27	40	37	-	5	ENE	6	O	5	47	38	0.01
	Barrow-in-Furness	29.67	47	NE	4	0	29.80	+24	41	38	-	5	NE	3	op	*	53	39	0.05
	Liverpool (Bidston)	29.56	43	NE	4	7	29.78	+20	41	39	-	2	NE	4	O	3	48	40	0.28
	Holyhead ...	29.69	45	NNE	5	ep	29.81	+21	41	40	-	3	NE	5	om	5	48	40	0.04
	Parsonstown ...	29.78	50	SW	3	0	29.87	+19	39	37	-	3	NE	2	O	*	50	37	0.05
	Valencia ...	29.84	48	N	3	0	29.83	-08	46	42	+	1	NE	2	O	2	51	42	0.17
FRANCE & NETHERLANDS.	Roche's Point...	29.75	48	NE	4	7	29.81	+07	42	39	-	1	NE	3	O	4	52	41	-
	Pembroke ...	29.65	45	NNE	3	0	29.74	+09	43	42	+	4	NNE	3	O	2	46	37	0.07
	Scilly ...	29.70	47	NW	8	ep	29.73	-05	46	44	0	0	NNE	3	om	4	48	42	0.09
	Prawle Point ...	29.63	45	W	4	6	29.73	+03	47	44	+	4	NNE	2	O	1	49	35	0.02
	Jersey ...	29.70	42	W	4	0	29.73	-02	46	45	+	2	W	3	ogm	3	49	40	0.13
	Hurst Castle ...	29.61	44	WSW	5	ep	29.71	+08	43	43	-	2	WSW	1	om	2	50	43	0.05
	Dungeness ...	29.57	45	WSW	4	60	29.71	+15	45	42	+	1	W	3	6	2	48	40	-
	London ...	29.57	47	SW	2	60	29.70	+12	46	43	+	2	WSW	1	O	*	51	40	0.02
	Oxford ...	29.61	44	WSW	1	0	29.70	+11	41	41	-	4	W	0	opg	*	52	41	0.08
	Cambridge ...	29.56	46	W	1	0	29.71	+14	44	43	+	1	NE	1	O	*	49	40	0.08
PENIN- SULA.	Yarmouth ...	29.58	43	SE	2	f	29.71	+15	40	39	-	4	SE	1	f	3	44	38	0.01
	Cuxhaven ...	29.70	50	NE	1	0	29.70	+09	47	47	-	1	N	1	f	*	50	44	0.08
	Berlin ...	29.62	52	WSW	3	0	29.66	-02	52	49	+	2	NW	1	O	*	64	48	-
	Wiesbaden ...	*	*	*	*	*	29.71	+02	49	45	-	2	W	1	O	*	59	43	-
	Munich ...	29.73	42	W	3	n	29.69	-06	39	39	-	3	SW	4	Y	*	46	37	0.71
	The Helder ...	29.65	45	NE	1	0	29.74	+09	40	40	-	0	NW	1	f	1	50	39	0.20
	Brussels ...	*	*	*	*	*	29.75	+09	43	41	-	3	WSW	1	O	*	55	41	0.04
	Cape Gris Nez...	29.62	45	WSW	5	60	29.72	+14	42	41	-	2	W	4	O	2	48	41	-
	Paris ...	29.72	47	S	1	60	29.76	+03	3	38	-	2	S	1	O	*	55	35	0.12
	Brest ...	29.79	46	W	4	60	29.79	-07	46	44	-	3	NW	1	O	3	52	44	-

WEATHER CHARTS

for 8 a.m. on Saturday, 21st April.

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.

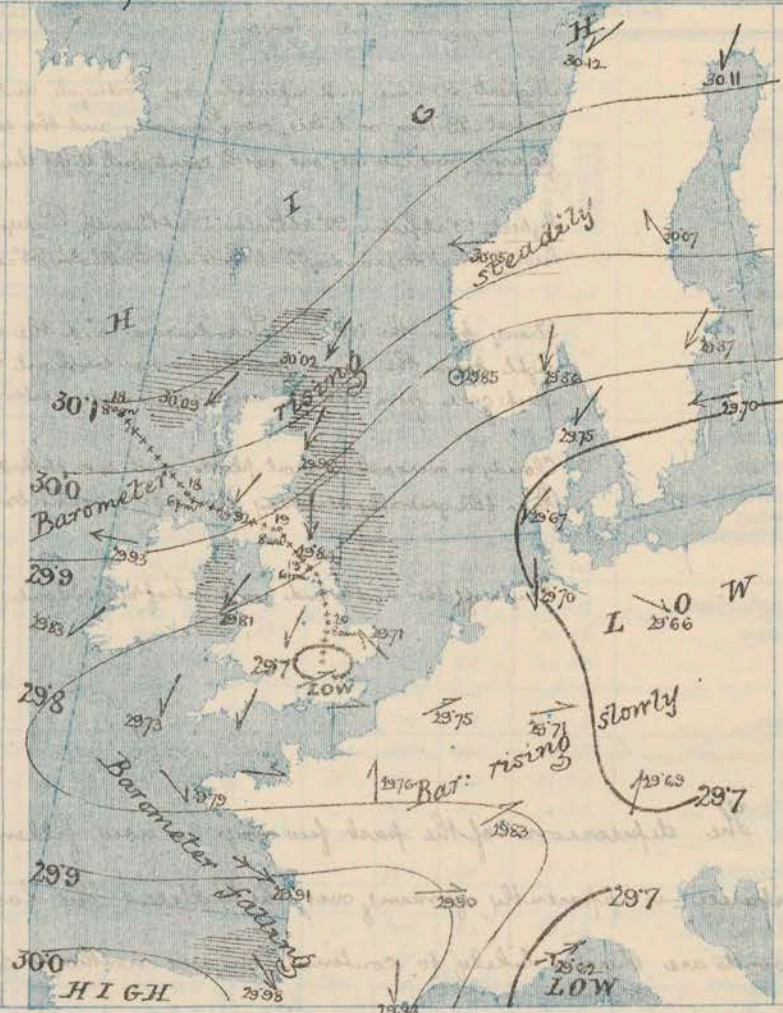
▨ = Rough ▨ = High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.857
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Roche's Point	29.838
Pembroke	29.844
Scilly	29.849
Jersey	29.867
Hurst Castle	29.867
Dover	29.866
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



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.

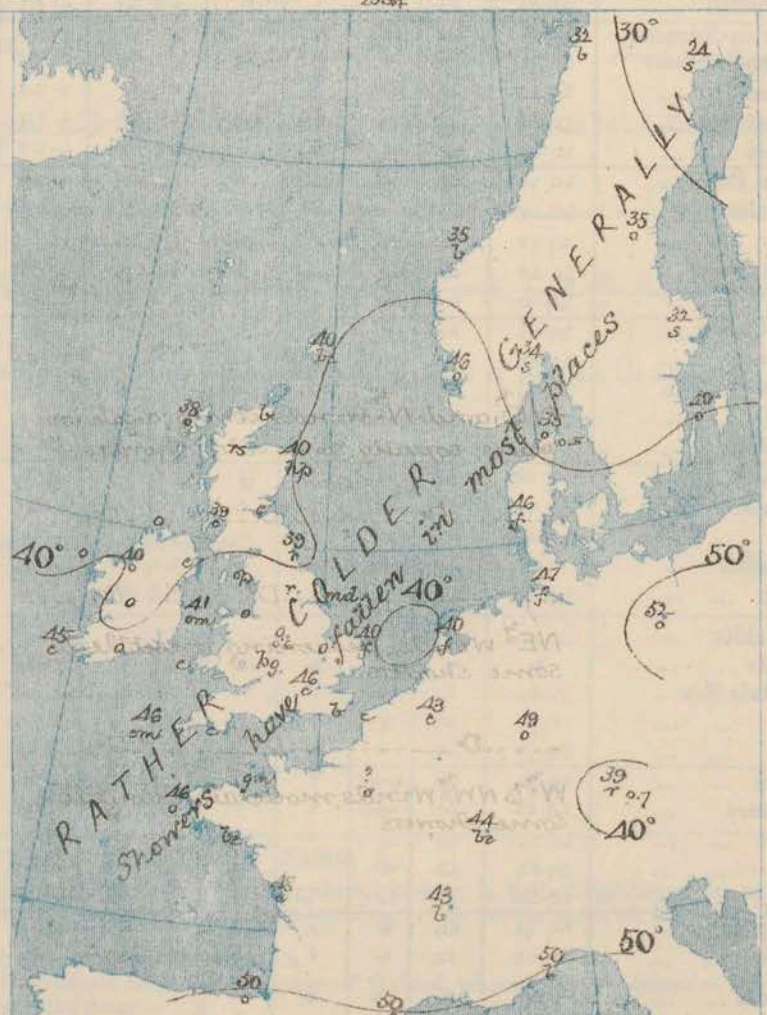
MEANS OF TEMPERATURE IN SHADE,

AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	46.3	37.3	41.9	40.5	2.16
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	49.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.6	38.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	42.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	42.6	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	46.2	44.2	1.86
Liverpool	53.0	40.7	45.5	42.6	1.56
Parsonstown	55.0	38.3	45.7	43.0	2.15
Valencia	54.3	42.9	48.4	46.9	4.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	52.5	45.0	49.0	47.1	2.45
Jersey	54.6	43.6	49.0	46.4	2.04
Hurst Castle	52.3	41.4	45.9	44.6	1.87
Dover	51.5	42.4	47.1	44.5	1.81
LONDON	56.7	40.0	46.8	43.8	1.86
Oxford	55.1	39.3	45.0	42.7	1.79
Cambridge	56.2	37.7	45.5	43.3	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

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 in: and upwards, over Portugal and also in a large area lying to the northward of our Islands. Lowest, 29.7 in: and less, over Germany and the southern part of Denmark and the Baltic, and also in a small shallow depression lying near London. Gradients moderate over our north coast, but slight elsewhere. Barometer rising at all but the Baltic and Western French stations.
TEMPERATURE	Highest, 53° at Lisbon, 52° at Berlin, 50° at Biarritz, Perpignan and Nice, and 49° at Newcastle and Rochefort. Lowest, 24° at Napaunda, 32° at Rode and Stockholm, 34° at London, and 35° at Helsingfors, Christiansund and Skagen.
WIND	Strong from the NE ^W over Scandinavia and the northern part of our Islands. Light from the same quarter on our southwest coasts, W ^W over France, the Netherlands, and the southeast of England. Fresh gales from the NE ^W were experienced yesterday on some parts of our northern coasts.
WEATHER	Cloudy or overcast in most places, with snow at Stockholm and London, sleet and hail in Scotland, and rain in the north of England. Rain fell generally yesterday the largest amounts being 0.6 in: at Loughborough and 0.3 in: at York.
SEA	Rough off the north and northeast of our Islands, and rather rough in the north, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression of the past few days is now filling up in the neighbourhood of London, but a new disturbance is apparently forming over the Baltic. The latter will probably extend in a westerly direction, and strong NE^W winds are therefore likely to continue on our northern coasts, with cold showers in many parts of Great Britain.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NE ^W and N ^W winds, strong, a gale in places; squally, some cold showers.
1	SCOTLAND EAST	-----D°-----D°-----D°-----
2	ENGLAND N.E.	-----D°-----D°-----D°-----
3	ENGLAND EAST	NE ^W winds, freshening, unsettled, some showers.
4	MIDLAND COUNTIES	-----D°-----D°-----D°-----
5	ENGLAND SOUTH	W ^W to NW ^W winds, moderate, changeable, some showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NE ^W and N ^W winds, moderate to strong; changeable, some showers.
7	ENGLAND N.W.	-----D°-----D°-----D°-----
8	ENGLAND S.W.	N ^W or NE ^W winds, moderate; fair generally, but local showers.
9	IRELAND NORTH	Same as N° 0
10	IRELAND SOUTH	Same as N° 8.

WARNINGS

The north cone is still flying in districts 0 to 2, 6, 7, 9 and part of 3, but has been lowered this morning in districts 8 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.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	29.80	47	44	W 1/2 W 2	0	2	Holyhead ...	29.68	45	44	N 1/2 E 1/2	r m	3
Sumburgh Head ...	29.98	41	36	NE 6	0	6	Valencia ...	29.81	47	45	NW 5	o q p	5
Stornoway ...	30.03	44	44	NE 7	0	6	Scilly ...	29.71	47	45	W 1/2 W 8	0	6
Aberdeen ...	29.89	41	39	N 1/2 E 7	r s q p	6	Jersey ...	29.74	48	43	W 1/2 W 5	bc	4
Shields ...	29.69	42	41	NE 2	0	3	Dungeness ...	29.59	48	45	N 1/2 W 5	bc	4
Ardrossan ...	29.79	46	44	N 1/2 E 6	0	3	London ...	29.57	49	47	W 1/2 W 2	0	*
Malin Head ...	29.83	43	41	N 1/2 E 5	0	5	Yarmouth ...	29.56	44	43	SSE 4	o f	3
Mullaghmore ...	29.82	47	44	NE 6	0	5	Rochefort ...	29.97	52	47	W 1/2 W 8	c	3
Belmullet ...	29.87	47	44	E 1/2 NE 8	0	*							

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

The Continental and other reports for yesterday morning showed that a large low pressure area, of irregular form, covered the Mediterranean, Central, Western and Northern Europe, and the British Isles, where the barometric readings were all below 29.9 ins. Within this area were three minima, — one (very shallow) over Northern Europe, the others (in which pressure was below 29.6 ins.) lying, one over England and the other over the Gulf of Lyons. NE^{ly} winds had already set in over Scandinavia and the northern parts of the British Isles, while over our western coast and France the wind was NW^{ly}, in Holland S^{ly}, and over Germany, and Austria SE^{ly}. The weather was very showery and unsettled except over the Eastern countries, thunderstorms had occurred in many places, and the thermometer was inclined to fall. Temperature at 8 am was down to the freezing point in Lapland only, but was, nevertheless, not high anywhere for the time of year. The lowest individual readings were 32° at Naparanda, 33° at Archangel and Bodo, 36° at Heriö and, 37° at Christianund and Moscow, 38° at Kuopio and 39° at Stockholm; the highest were 66° at Oran (Algeria), 65° at Palermo, 61° at Khindiri and Malta, 59° at Ferrara, 57° at Hermanstadt and Sangerhausen, 52° at Lisbon and Biscaya, 51° at Wiesbaden and 50° at Berlin; Over the British Isles the reading ranged from 39° to 46°.

Later in the day the depression over England grew shallow, but moved southwards, and strong NE^{ly} winds spread over the northern part of our Islands, with sleet in several 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 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 22nd April 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 3.)		SHADE TEMP.		Amount of Rainfall.
			Dir.	Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)				Max.	Min.	
SCANDINAVIA.	Haparanda ..	30.24	15	N	2	b	30.27	+ .16	20	18	— 4	N	2	b	*		33	14	—
	Hernösand ...	30.19	27	E	2	b	30.32	+ .25	25	22	— 10	NNE	4	b	*		41	?	—
	Stockholm ...	29.92	31	NE	6	s	30.06	+ .19	30	28	— 2	N	6	c	*		34	28	1.46
	Wisby ...	29.87	34	NNE	4	f	29.89	+ .10	35	34	— 5	ENE	6	g	*		48	32	—
	Bodö ...	30.24	31	NNE	1	b	30.27	+ .15	28	26	— 4	NNE	2	b	1		34	28	—
	Christiansund...	30.18	35	NE	6	b	30.19	+ .14	35	31	— 0	ENE	4	b	3		39	20	—
	Skudesnaes ...	29.94	41	ESE	2	c	30.00	+ .15	44	38	— 2	NNE	2	c	2		55	41	—
	Christiania Fjord (Færder)	29.96	36	NNE	5	r	30.08	+ .22	34	30	— 9	NNE	6	c	2		36	34	0.39
	Skagen (The Scaw)	29.87	35	NE	4	o	29.88	+ .13	33	32	— 2	ENE	6	o	5		37	33	—
	Fanö ...	29.75	43	NE	3	o	29.75	+ .08	35	34	— 11	ENE	4	o	*		54	24	0.39
BRITISH ISLANDS.	Sumburgh Head	29.97	39	NNE	6	c	30.08	+ .06	39	36	— 1	NE	5	c	6		43	37	0.03
	Stornoway ..	30.05	38	NE	6	bcsp	29.98	— .11	41	41	+ 3	ESE	4	c	4		43	34	0.15
	Wick ...	30.00	39	NE	4	o	30.00	+ .01	42	41	+ .1	E	3	osp	3		44	34	0.10
	Nairn ...	30.00	39	NE	3	c	30.01	— .02	36	35	— 2	2	o	o	2		46	30	—
	Aberdeen...	29.94	40	N	3	bc	30.01	+ .03	39	38	— 1	ENE	2	op	3		44	34	0.03
	Leith ...	29.94	42	NE	4	c	29.92	— .02	39	38	— 2	E	4	r	*		46	35	0.03
	Shields ...	29.87	41	N	2	o	29.86	+ .02	40	39	+ 1	NE	3	o	6		41	37	0.12
	Spurn Head ...	29.78	40	ENE	4	o	29.79	+ .06	41	40	— 0	NE	3	og	4		42	39	0.03
	York ...	29.82	41	NNE	1	r	29.81	+ .08	41	39	— 1	NNE	2	o	*		44	38	0.28
	Loughborough	29.75	44	NNE	2	c	29.76	+ .04	42	40	+ 1	ENE	2	o	*		45	38	0.08
GERMANY.	Ardrossan ...	29.86	42	ENE	4	c	29.89	— .03	41	39	+ 2	ENE	5	c	3		47	33	—
	Malin Head ...	29.90	43	NE	4	o	29.89	— .05	40	36	+ 1	E	4	b	3		44	36	—
	Mullaghmore ...	29.87	44	NE	4	omv	29.86	— .07	40	37	— 0	NE	6	bc	5		45	37	—
	Belmullet ...	29.86	43	ENE	5	o	29.87	— .07	41	37	+ 2	E	5	b	*		44	37	—
	Donaghadee ...	29.87	44	E	4	c	29.86	— .05	41	39	+ 1	E	5	c	3		46	38	—
	Barrow-in-Furness	29.87	43	NNE	3	o	29.79	— .01	45	41	+ 4	N	3	bc	*		36	38	—
	Liverpool (Bidston)	29.79	43	ENE	4	o	29.78	— .02	41	39	— 0	ENE	4	o	3		46	39	0.02
	Holyhead ...	29.78	44	NE	5	bcmm	29.76	— .05	41	40	— 0	ENE	5	og	5		46	40	0.01
	Parsonstown ...	29.80	43	NE	2	r	29.78	— .09	39	37	— 0	NE	3	o	*		45	38	—
	Valencia ...	29.74	46	NE	3	omv	29.71	— .12	44	41	— 1	NE	3	omv	4		48	41	—
FRANCE & NETHERLANDS.	Roche's Point...	29.72	44	ENE	4	op	29.68	— .12	43	40	+ 1	ENE	4	o	4		46	41	0.01
	Pembroke ...	29.69	45	ENE	2	o	29.62	— .12	43	41	— 0	NE	4	cg	2		47	40	—
	Scilly ...	29.62	47	NE	4	omv	29.50	— .23	45	43	— 1	NE	6	r	4		48	43	0.02
	Prawle Point ...	29.67	45	WSN	3	o	29.51	— .22	48	48	+ 1	SSE	3	a	4		51	37	0.09
	Jersey ...	29.70	49	WSN	3	o	29.50	— .23	49	47	+ 3	SSE	3	omv	3		53	43	0.30
	Hurst Castle ...	29.71	45	SSE	2	c	29.59	— .12	44	44	+ 1	E	5	or	3		30	43	0.03
	Dungeness ...	29.73	46	WSN	2	b	29.65	— .06	44	43	— 1	SE	4	o	4		50	40	—
	London ...	29.73	49	SE	1	omv	29.67	— .03	42	40	— 4	E	3	o	*		54	40	—
	Oxford ...	29.73	42	SSE	1	o	29.69	— .01	41	40	— 0	ENE	3	opu	*		47	39	0.16
	Cambridge ...	29.72	46	SW	1	o	29.76	+ .05	39	39	— 5	NE	1	o	*		55	44	—
PENIN. SULA.	Yarmouth ...	29.76	42	E	4	c	29.78	+ .07	38	37	— 2	E	3	afg	4		45	36	—
	Cuxhaven ...	29.75	43	NW	4	c	29.74	+ .04	43	42	— 4	E	3	c	*		47	41	0.12
	Berlin ...	29.63	54	2	o	o	29.78	+ .12	48	45	— 4	WSN	3	o	*		57	45	0.28
	Wiesbaden ...	*	*	*	*	*	29.85	+ .14	42	40	— 7	W	1	b	*		57	34	—
	Munich ...	29.89	40	W	3	o	29.90	+ .21	42	39	+ 3	SE	4	b	*		43	32	0.28
	The Helder ...	29.79	41	NNW	?	f	29.80	+ .06	39	?	— 1	NNW	1	f	1		45	39	—
	Brussels ...	*	*	*	*	*	29.76	+ .01	47	43	+ 4	ESE	1	b	*		50	38	0.12
	Cape Gris Nez...	29.74	46	NE	1	b	29.69	— .03	44	41	+ 2	E	4	o	3		50	41	—
	Paris ...	29.78	49	SW	1	bc	29.67	— .09	44	43	+ 2	SSE	4	o	*		52	42	0.04
	Brest ...	29.62	43	SSE	5	r	29.45	— .34	45	42	— 1	SW	5	o	5		52	39	0.55

WEATHER CHARTS

for 8 a.m. on

Sunday, 22nd April

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

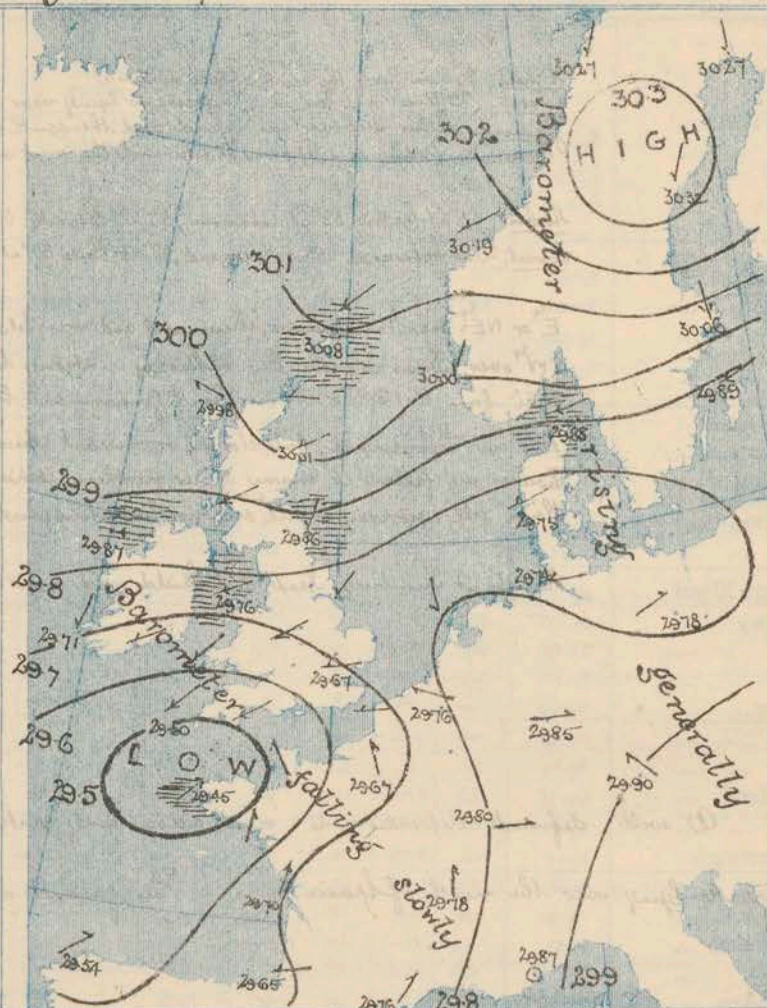
Sea Disturbance — where considerable, is shown thus:

▨ = Rough. ▨ = High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.873
Ardrossan	29.867
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Roche's Point	29.838
Pembroke	29.844
Scilly	29.849
Jersey	29.867
Hurst Castle	29.867
Dover	29.866
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



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.

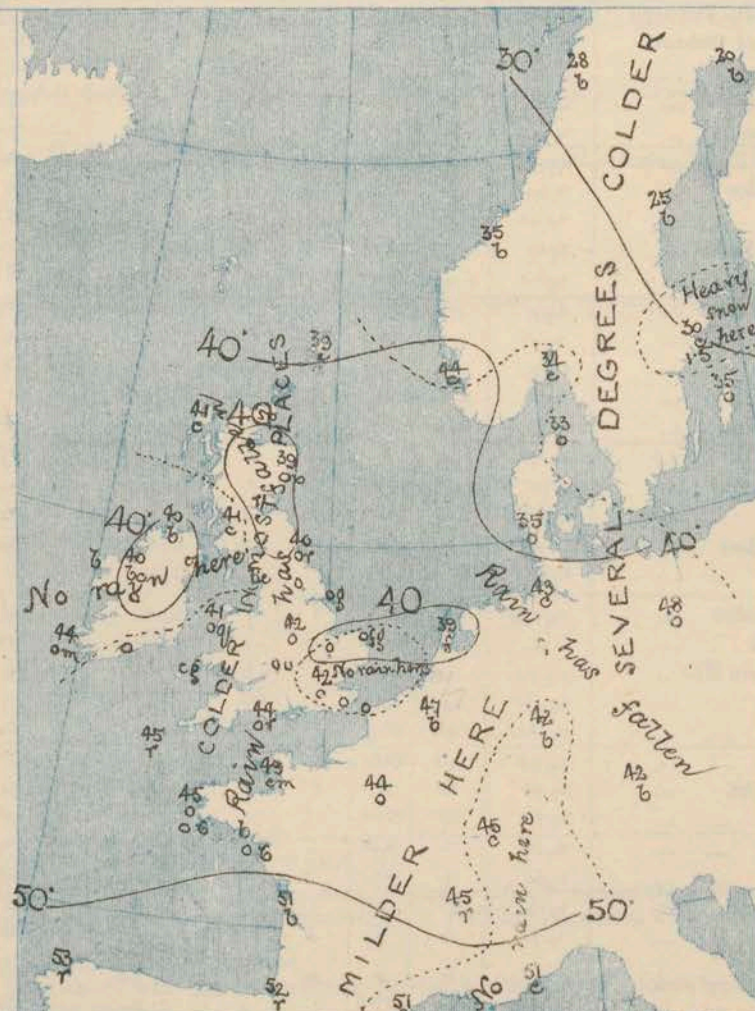
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of April.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	48.3	37.3	41.9	40.5	2.16
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	49.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.6	39.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	43.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	43.6	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	46.2	44.2	1.86
Liverpool	53.0	40.7	45.5	42.6	1.56
Parsonstown	55.0	38.3	45.7	43.0	2.16
Valencia	54.3	42.9	43.4	46.9	4.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	52.5	45.0	49.0	47.1	2.45
Jersey	54.6	43.6	49.0	46.4	2.04
Hurst Castle	52.3	41.4	45.9	44.6	1.87
Dover	51.5	42.4	47.1	44.5	1.81
LONDON	56.7	40.0	46.8	43.8	1.86
Oxford	55.1	39.3	45.0	42.7	1.73
Cambridge	56.2	37.7	45.5	43.3	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

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. over the north of Scandinavia.
 Lowest, 29.5 ins. and less, in a depression lying near the mouth of the Channel.
 Gradients rather steep over our Islands and the south of Scandinavia.
 Barometer falling over Spain, France and the west and south of our Islands, but rising elsewhere.

TEMPERATURE

Highest, 55° at Lissabon, 53° at Comma, 52° at Biscaya, 51° at Rochefort, Arpeyuan and Nice and 49° at Jersey.
 Lowest, 20° at Haparanda, 25° at Helsingfors, 28° at Rode, 32° at Stockholm, 33° at Skagen, 34° at Fander and 35° at Christiansand, Helsing and Fins.

WIND

E or NE^{ly} over Scandinavia, Denmark and our Islands; fresh or strong in force in many places.
 SW^{ly} over Spain and the Bay of Biscay; strong to a gale from WSW at Lisbon.
 Light from the SW or S^{ly} over South Germany and the east of France.

WEATHER

Fine in Scandinavia, but cloudy or overcast elsewhere with rain in the south of England and also over Spain and the S. of France.
 Showers are falling at many of our northern stations.
 Rain fell yesterday at all our northern stations and extreme western stations.

SEA

Rough at Lumburgh Head and Shields and rather rough at Skagen, Mullaghmore, Holyhead and Brest, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A well defined depression is now advancing eastwards along the Channel, while a secondary disturbance is apparently lying over the north of Spain. The general appearance remains very unsettled.

FORECASTS

for the 24 hours ending at NOON on 23rd April 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.

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

The north cone has been rehoisted today in districts 2, 3, 6, 7, 9, and 10, and is now flying on all the English and Irish coasts.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.87	55	44	NNE 1	c	2	Holyhead ...	29.87	44	42	NE 5	c	5
Sumburgh Head ...	30.08	41	36	NNE 4	c	6	Valencia ...	29.79	48	43	NE 4	om	4
Stornoway ...	30.08	42	42	NE 6	bc	5	Scilly ...	29.67	47	45	NE 2	o	4
Aberdeen ...	29.97	44	39	NNE 6	bc	5	Jersey ...	29.74	49	47	NE 3	cm	3
Shields ...	29.87	40	38	NE 5	r	6	Dungeness ...	29.75	49	46	W 3	b	2
Ardrossan ...	29.91	47	41	NE 5	bc	3	London ...	29.72	52	48	SSE 1	o	*
Malin Head ...	29.93	43	38	NE 3	o	3	Yarmouth ...	29.74	45	44	ESE 3	c	3
Mullaghmore ...	29.90	44	40	ENE 6	om	5	Rocheport ...	29.91	53	51	NSW 5	o	2
Belmullet ...	29.90	44	39	ENE 3	o	*							

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

The reports for yesterday morning showed that pressure was high, 30.1 ins: and upwards, in a large area lying to the northward of our Islands and equally high over Algeria and Southern Russia, but low over all the more central parts of the Continent. The lowest readings of all 29.5 ins: and less, were found in a small depression lying over the north of Italy, but another small disturbance with readings below 29.7 ins: was lying over the southeast of England. Fresh or strong winds from NE. or E. prevailed over all the northern and northwestern countries, and NW breezes over Spain and the east and south of France, but in Italy and Austria the wind was light from the S^W. The weather was fine in Algeria and South Italy, but cloudy elsewhere with rain in many places, and snow at Haparanda, Stockholm and Fander. Temperature had risen a little over Germany, Austria, and the south of Russia, but fallen elsewhere; readings ranged from 60° and upwards over Algeria and South Italy to 32° or less over the northern parts of Scandinavia and Russia. The highest individual readings were 64° at Nemours and Oron, 63° at Algiers, 62° at Brindisi and Spax, 61° at Rostock and 59° at Barcelona and Malta; the lowest were 24° at Haparanda, 30° at Uleaborg, 32° at Archangel, Bodi and Stockholm, 34° at Fander and Kuopio, and 35° at Hernösand, Christiansund and Skagen.

In the course of the day the depression in the southeast entirely disappeared, but a new disturbance advanced to the mouth of the Channel, and the wind in the east of France backed to the southward. Cloudy weather continued to prevail in most districts with rain locally.

EXPLANATION OF COLUMNS GIVEN ON PAGE I.

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

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

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

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

DAILY WEATHER REPORT.

for *Monday, 23rd April* 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 ..	30.33	14	2	0	6	30.41	+14	17	16	-3	20	0	6	*	28	5	-	
	Hernösand ...	30.57	21	2	0	6	30.44	+12	28	22	-2	20	0	6	*	26	19	-	
	Stockholm ...	30.18	24	NW	4	0	30.26	+20	30	26	0	NE	6	6	*	34	23	-	
	Wisby ...	30.04	33	NE	8	0	30.10	+21	35	32	0	E	6	0	*	39	30	-	
	Bodö ...	30.30	28	ESE	2	6	30.30	+08	29	25	+1	ESE	2	6	1	30	23	-	
	Christiansund...	30.19	39	ESE	3	6	30.24	+08	36	32	+1	ESE	1	6	1	45	30	-	
	Skudesnaes ...	30.07	43	NW	2	0	30.22	+22	42	35	-2	ESE	2	6	3	54	?	-	
	Christiania Fjord (Farder)	30.14	38	ESE	4	0	30.28	+20	30	25	-4	NE	6	6	2	?	27	-	
	Skagen (The Scaw)	30.04	29	ESE	6	0	30.16	+28	28	27	-5	ESE	6	0	5	34	27	0.08	
	Fanö ...	29.86	37	ESE	4	0	29.97	+22	35	34	0	ESE	6	0	*	39	34	0.04	
BRITISH ISLANDS.	Sumburgh Head	30.12	40	NE	5	0	30.22	+14	42	38	+3	NE	3	6	5	43	37	-	
	Stornoway ..	30.11	47	NE	6	0	30.19	+21	47	47	+6	E	6	0	5	47	40	-	
	Wick ...	30.11	40	NE	4	0	30.21	+15	43	41	+1	NE	3	0	3	45	38	-	
	Nairn ...	30.07	41	ESE	4	0	30.14	+13	39	39	+3	ESE	3	0	3	44	35	0.03	
	Aberdeen...	30.05	39	E	2	0	30.15	+14	38	37	-1	ESE	5	0	5	45	37	0.09	
	Leith ...	29.99	40	NE	2	0	30.05	+13	38	37	-1	E	5	0	*	41	35	0.10	
	Shields ...	29.90	38	NE	3	0	29.97	+11	40	38	0	NE	2	0	5	40	36	0.07	
	Spurn Head ...	29.81	41	NE	4	0	29.86	+07	41	38	0	NE	5	0	5	43	38	-	
	York ...	29.85	40	NNE	2	0	29.91	+10	39	37	-2	NNE	2	0	*	43	35	-	
	Loughborough	29.77	43	ESE	3	0	29.82	+06	40	39	-2	NE	4	0	*	50	38	-	
GERMANY.	Ardrossan ...	29.94	43	ESE	3	0	30.00	+11	40	38	-1	ESE	6	0	4	47	36	-	
	Malin Head ...	29.93	44	NE	3	0	30.01	+12	40	39	0	ESE	4	0	3	46	38	0.02	
	Mullaghmore ...	29.87	44	ESE	5	0	29.97	+11	40	38	0	ESE	6	0	5	46	39	-	
	Belmullet ...	29.88	45	ESE	6	0	29.98	+11	42	39	+1	ESE	5	0	*	45	39	-	
	Donaghadee ...	29.89	45	E	5	0	29.97	+11	42	38	+1	E	6	0	4	46	38	-	
	Barrow-in-Furness	29.82	43	NE	5	0	29.88	+09	39	37	-6	N	3	0	*	49	35	-	
	Liverpool (Bidston)	29.80	41	ESE	4	0	29.89	+11	38	36	-3	ESE	4	0	3	44	35	0.03	
	Holyhead ...	29.78	44	ESE	5	0	29.87	+11	39	38	-2	ESE	5	0	5	45	38	-	
	Parsonstown ...	29.79	45	NE	4	0	29.89	+11	39	37	0	NNE	3	0	*	46	36	0.02	
	Valencia ...	29.74	46	NE	5	0	29.85	+14	44	40	0	NE	5	0	5	48	41	0.01	
FRANCE & NETHERLANDS.	Roche's Point...	29.70	48	ESE	4	0	29.78	+10	43	40	0	ESE	4	0	4	49	42	-	
	Pembroke ...	29.64	46	ESE	5	0	29.73	+11	43	42	0	NE	4	0	2	47	41	0.02	
	Scilly ...	29.47	45	E	5	0	29.62	+12	45	45	0	ESE	5	0	4	47	43	0.16	
	Prawle Point ...	29.57	44	ESE	5	0	29.64	+13	42	42	-6	NNE	5	0	4	48	39	0.30	
	Jersey ...	29.55	50	SE	2	0	29.55	+08	48	47	-1	NNE	2	0	2	55	47	0.66	
	Hurst Castle ...	29.62	45	E	5	0	29.65	+06	44	44	0	NE	4	0	3	46	44	0.05	
	Dungeness ...	29.62	44	E	4	0	29.63	-02	45	45	+1	E	4	0	3	45	43	0.20	
	London ...	29.69	41	ESE	3	0	29.71	+04	43	42	+1	ESE	3	0	*	46	41	0.10	
	Oxford ...	29.74	41	ESE	2	0	29.75	+06	40	39	-1	NE	4	0	*	46	39	0.10	
	Cambridge ...	29.78	43	NE	1	0	29.79	+03	42	41	+3	NE	2	0	*	50	39	0.02	
PENIN- SULA.	Yarmouth ...	29.77	40	ESE	4	0	29.77	-01	40	39	+2	ESE	6	0	5	41	37	0.01	
	Cuxhaven ...	29.46	41	W	1	0	29.93	+19	43	43	0	E	3	0	*	45	41	-	
	Berlin ...	29.88	50	NW	1	0	29.93	+15	51	46	+3	N	2	0	*	57	43	-	
	Wiesbaden ...	*	*	*	*	*	29.76	-09	53	47	+11	E	1	0	*	59	?	-	
	Munich ...	29.78	48	E	1	0	29.81	-09	51	47	+9	SE	2	0	*	57	39	-	
	The Helder ...	29.80	43	NE	3	0	29.84	+04	45	43	+6	ESE	4	0	3	45	39	-	
	Brussels ...	*	*	*	*	*	29.67	-09	48	46	+1	ESE	3	0	*	57	45	0.04	
	Cape Gris Nez...	29.66	50	ESE	4	0	29.62	-07	46	46	+2	ESE	5	0	4	54	43	0.20	
	Paris ...	29.64	54	ESE	3	0	29.64	-03	51	50	+7	SW	3	0	*	59	?	0.28	
	Brest ...	29.52	51	S	1	0	29.64	+09	47	45	+2	SW	0	0	1	52	41	-	
PENIN- SULA.	Lorient ...	29.54	49	S	3	0	29.61	+11	47	47	-1	WSW	1	0	5	54	45	0.24	
	Rochefort ...	29.60	57	SSE	4	0	29.72	+02	51	49	0	WSW	5	0	3	64	45	-	
	Belfort ...	29.78	55	W	1	0	29.79	-01	49	48	+4	W	1	0	*	57	41	0.32	
	Lyons ...	29.71	53	S	1	0	29.81	+03	48	46	+3	SSW	1	0	*	55	44	0.51	
	Nice ...	29.95	51	ESE	3	0	29.92	+05	54	49	+3	ESE	3	0	1	59	48	0.04	
	Perpignan ...	29.61	59	NE	3	0	29.78	+02	54	51	+3	SW	0	0	*	67	44	-	
	Biarritz ...	29.54	61	WSW	5	0	29.68	+03	55	49	+3	SSE	4	0	2	?	48	0.04	
PENIN- SULA.	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	29.85	54	W	5	0	29.84	-00	52	50	-3	W	4	0	7	59	50	0.08	

WEATHER CHARTS

for 8 a.m. on Monday, 23rd April

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.

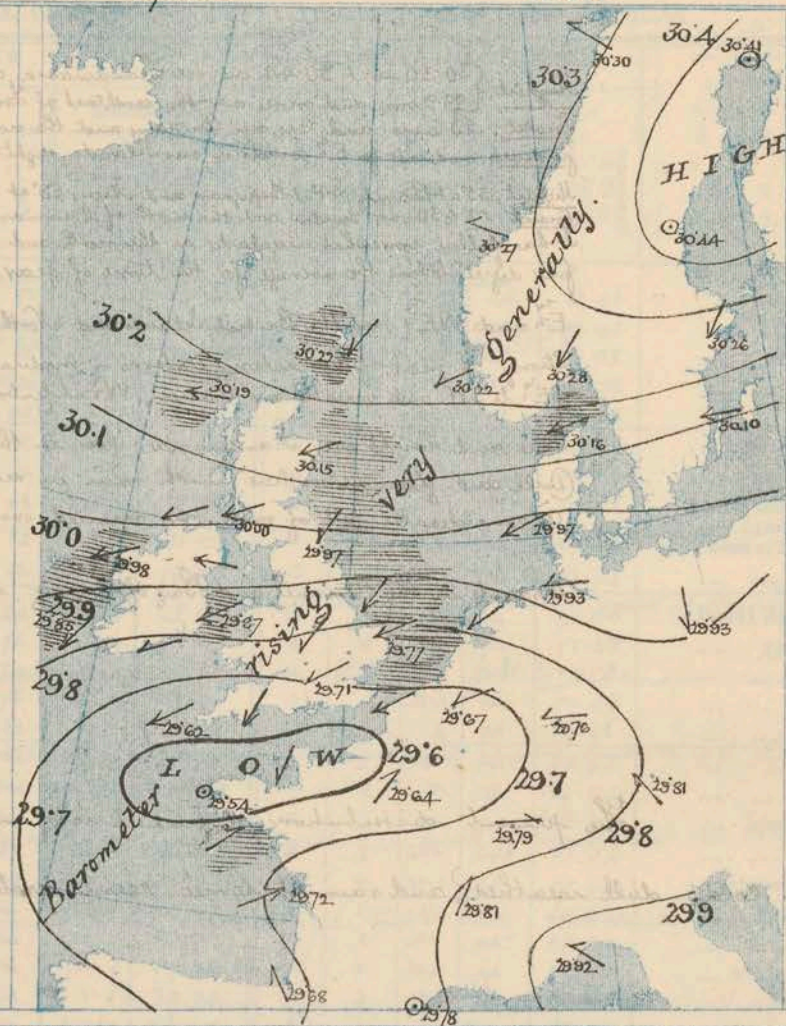
▨ = Rough. ▨ = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of April

During the 15 Years 1871-1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.885
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.857
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Roche's Point	29.838
Pembroke	29.844
Scilly	29.849
Jersey	29.867
Harst Castle	29.867
Dover	29.866
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



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

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

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

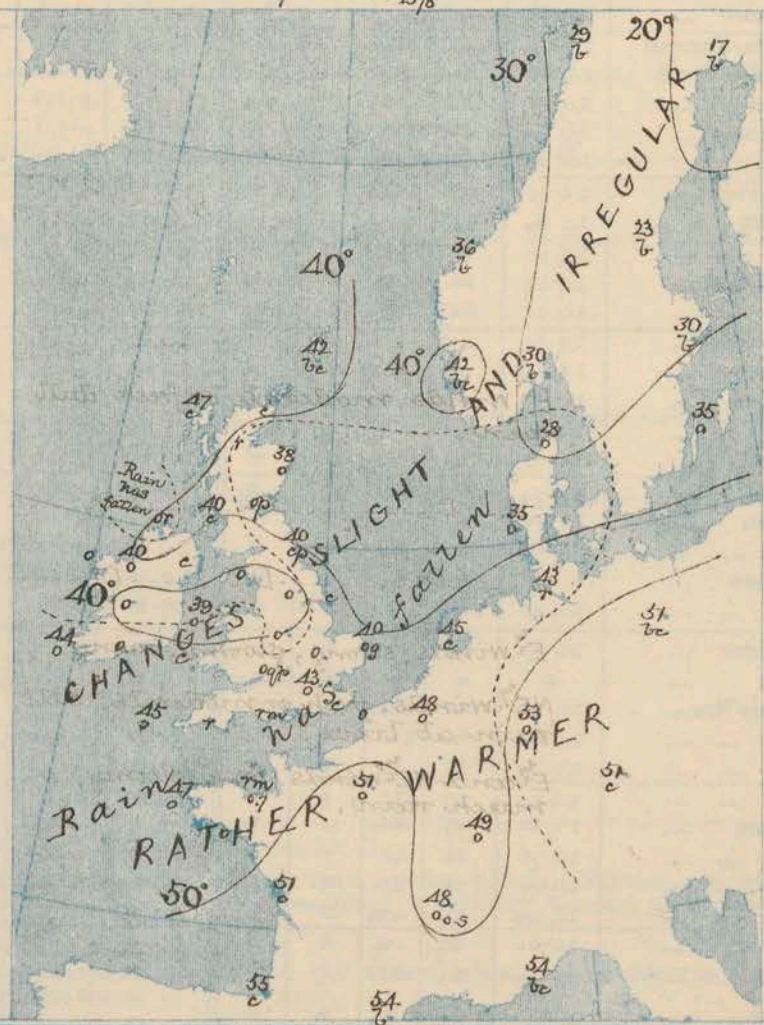
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of April

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	46.3	37.3	41.9	40.5	2.16
Stornoway	49.3	37.5	44.1	42.3	2.61
Wick	49.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.6	38.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	42.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	42.6	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	46.2	44.2	1.80
Liverpool	53.0	40.7	45.5	42.6	1.56
Parsonstown	55.0	38.3	45.7	43.0	2.15
Valencia	54.3	42.9	48.4	45.9	4.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	52.5	45.0	49.0	47.1	2.45
Jersey	54.6	43.6	49.0	46.4	2.04
Harst Castle	52.3	41.4	45.9	44.6	1.87
Dover	51.5	42.4	47.1	44.5	1.81
LONDON	56.7	40.0	46.8	43.8	1.86
Oxford	55.1	39.3	45.0	42.7	1.79
Cambridge	56.2	37.7	45.5	43.3	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.30 ins. to 30.44 ins. over Scandinavia, and 30.2 ins. in the extreme north of Scotland.
Lowest, 29.9 ins. and more over the southeast of France.

TEMPERATURE

Lowest, 29.6 ins. and less over Brittany and the north of France, and apparently about 29.8 ins. over Central Germany.
Gradients moderate for E. winds in our Islands, slight in Norway and Sweden; slight for S.W. winds in France. Barometer rising except in Belgium.
Highest, 55° at Biarritz, 54° at Perpignan and Nice, 53° at Wiesbaden, 51° at Munich, Paris, and Berlin.
Lowest, 17° to 30° over Sweden and the north of Denmark, 38° at Aberdeen, 39° at York, Holyhead and Farnborough.
It has fallen somewhat irregularly in the north and northwest since yesterday, and over our Islands it is now three or four degrees below the average for the time of year.

WIND

E. and NE. over the British Islands and Northwestern Europe generally.
Strong at most of the eastern stations - moderate to fresh elsewhere.
SE. to SW. and variable over France, W. at Farnborough, N. at Berlin.

WEATHER

Fine and bright over Scandinavia; fair in the extreme north of Scotland.
Dull and gloomy elsewhere, with rain in several places - notably over the Channel.
A considerable fall of rain has occurred over France during the past 24 hours, and a smaller quantity at our southern and eastern shores.

SEA

Moderate in the Channel and Bay of Biscay, rather rough in the west, north and east.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The present distribution of pressure is of an unsettled type, and a continuation of E. winds with cold dull weather, and rain at times seems probable over England.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	E. winds, moderate or fresh; dull, rain.
1	SCOTLAND EAST	----- D° ----- D° ----- D° -----
2	ENGLAND N.E.	----- D° ----- D° ----- D° -----
3	ENGLAND EAST	E. winds, strong, gloomy, rainy.
4	MIDLAND COUNTIES	NE. winds, fresh or moderate; dull, rain at times.
5	ENGLAND SOUTH	E. and NE. winds, fresh; gloomy, much rain.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NE. winds, moderate; cloudy, some rain.
7	ENGLAND N.W.	----- D° ----- D° ----- D° -----
8	ENGLAND S.W.	Same as No 5.
9	IRELAND NORTH	NE. winds, fresh; dull, rainy.
10	IRELAND SOUTH	----- D° ----- D° ----- D° -----
WARNINGS		The N. cone has been lowered this morning except in district 3.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Woa.	Sea.		Bar.	Dry.	Wet.	Wind.	Woa.	Sea.
Skudesnaes ...							Holyhead ...	29.77	44	42	E.N.E. 5	c	5
Sumburgh Head							Valencia ...						
Stornoway ...	30.08	45	45	E 5	c	5	Scilly ...						
Aberdeen ...							Jersey ...	29.54	53	50	SE 3	bc	3
Shields ...							Dungeness ...	29.62	43	43	E.S.E. 4	T	1+
Ardrossan ...							London ...						
Malin Head ...	29.90	45	42	E.N.E. 5	0	4	Yarmouth ...						
Mullaghmore ...							Rochefort ...						
Belmullet ...	29.87	45	40	E 6	0	*							

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

The reports for yesterday morning showed, that pressure was highest 30.3 ins. and upwards, over central Sweden, but high 30.1 ins. and upwards, over central Russia, and relatively high 30.0 ins. and upwards, over Algeria. The lowest readings 29.5 ins. and less, were found in a small depression lying over the western part of the Channel, but a narrow trough of low pressure 29.7 ins. and less, was also reported over North Germany. Moderate to strong breezes from E. or N.E. prevailed over the whole of north and northwestern Europe, but in Spain and the west of France the wind was S.W., and in Algeria S.E., while over central Europe it was light and very variable. The weather was fine in Italy and Algeria, but cloudy or overcast in nearly all other countries, with rain in many parts of our Islands and France and snow in Finland and northern Russia. Temperature had fallen somewhat in Scandinavia, Germany, north Russia and the west and south of our Islands, but risen elsewhere; readings ranged from between 53° and 65° in Spain, Algeria and south Italy, to 32° or less over the northern parts of Scandinavia and Russia. The highest individual readings were 67° at Biskra, 66° at Algiers, 64° at Oran and Sfax, 63° at Annale, 62° at Cagliari and Palermo, and 62° at Brindisi; the lowest were 20° at Naparanda and Uleaborg, 21° at Archangel and Turpis, 27° at Norisand, 28° at Rode, 30° at Stockholm, 32° at Helsingfors, 33° at Hangö, and 35° at Christiania and Tamsø.

In the course of the day the depression over the western part of the Channel moved away slowly in a westerly direction, but other disturbances appeared over France, and the weather over the southern parts of our Islands remained very unsettled, with cold rain at times.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 15TH TO THE 21ST APRIL 1888.

The weather of the past week has been very changeable and unsettled, with frequent falls of rain in nearly all districts, and thunderstorms in many parts of Great Britain.

At the commencement of the period a shallow depression moved northward along our extreme west coast, while a secondary disturbance travelled from the Bay of Biscay across England to the North Sea. The wind therefore shifted from the S.E. to the S.W. generally, and rain fell in all parts of the United Kingdom. On the 16th other disturbances appeared off our western coast, and on the following morning a well defined and somewhat deep depression was shown off the northwest of Ireland, the wind being strong from the S.W. in the west and north generally. During the remainder of the week this depression moved first in a northeast direction to the west of Scotland, and finally in a southeast direction across Great Britain, its progress being attended by unsettled showery weather in all districts. In the front of the disturbance the wind was moderate from the S.W. but in its rear it shifted to N. and N.E. and blew strongly, especially on our west and north coasts where slight gales were experienced. On the 21st the depression which had now reached the southeast of England quickly dissipated, but at the close of the week another disturbance was advancing from the Atlantic to our southwest coast, and the N.E. wind was inclined to increase again.

During the early part of the week temperature was decidedly high for the time of year, the maximum readings being above 60° in many parts of England. The shift of wind however, in the rear of the depression, brought about a considerable fall and at the close of the time the thermometer was low for the season.

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, 24th April, 1888.*
Issued by the Meteorological Office, 116, Victoria Street, London. R.H. SCOTT, Secretary.

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETR.		SHADE TEMP.			WIND.		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 ..	30.36	12	S	2	b	30.10	- .31	22	21	+ .5	SSW	4	c	*	28	1	-	
	Hernösand ...	30.43	24	W	0	b	30.26	- .18	27	24	+ .4	SSW	2	b	*	39	9	-	
	Stockholm ...	30.37	27	NNE	2	b	30.34	+ .08	31	28	+ .1	E	4	b	*	34	19	-	
	Wisby ...	30.28	32	ENE	2	b	30.30	+ .20	35	32	0	E	4	b	*	37	30	-	
	Bodö ...	30.24	34	ESE	1	o	29.92	- .38	36	35	+ .7	WSW	9	m	5	36	25	-	
	Christiansund...	30.29	41	NNE	1	b	30.23	- .04	41	37	+ .5	WSW	6	b	3	43	30	-	
	Skudesnaes ...	30.28	41	ENE	2	b	30.30	+ .08	41	34	- .1	W	0	b	2	52	41	-	
	Christiania Fjord (Færdar)	30.31	38	NNE	4	b	30.32	+ .04	32	29	+ .2	NNE	3	b	0	39	28	-	
	Skagen (The Seaw)	30.24	34	ENE	4	c	30.25	+ .09	31	29	+ .3	E	4	b	4	36	28	-	
	Fanö ...	30.07	36	ENE	6	c	30.08	+ .11	35	33	0	ENE	6	c	*	39	34	-	
BRITISH ISLANDS.	Sumburgh Head	30.28	42	ENE	1	b	30.32	+ .10	40	36	- .2	W	0	o	2	45	35	-	
	Stornoway ..	30.23	43	SE	5	bc	30.31	+ .12	43	43	- .4	E	4	b	3	47	35	-	
	Wick ...	30.28	44	NE	3	bc	30.33	+ .12	44	42	+ .1	E	2	bc	2	48	28	0.01	
	Nairn ...	30.22	40	ENE	3	o	30.30	+ .16	41	39	+ .2	ENE	1	b	2	43	38	-	
	Aberdeen...	30.23	37	E	5	d	30.30	+ .15	42	37	+ .4	NE	4	b	4	42	37	0.05	
	Leith ...	30.13	40	E	4	o	30.21	+ .16	39	37	+ .1	E	4	op	*	40	35	0.09	
	Shields ...	30.06	39	NE	4	o	30.13	+ .16	37	36	- .3	NE	4	rs	6	43	35	0.05	
	Spurn Head ...	29.90	40	NE	6	o	29.98	+ .12	39	38	- .2	ENE	7	oqp	6	42	37	0.06	
	York ...	29.96	41	E	3	o	30.05	+ .14	38	37	- .1	E	4	o	*	43	36	-	
	Loughborough	29.87	41	NE	5	o	29.93	+ .11	39	39	- .1	E	4	oq	*	44	37	0.24	
GERMANY.	Ardrossan ...	30.08	41	ENE	6	bc	30.16	+ .16	40	35	0	ENE	5	o	4	45	35	-	
	Malin Head ...	30.06	42	ENE	5	om	30.15	+ .14	40	38	0	NE	4	o	3	48	39	-	
	Mullaghmore ...	30.01	45	NE	6	om	30.12	+ .15	40	38	0	ENE	6	o	5	45	39	-	
	Belmullet ...	30.03	44	ENE	4	o	30.14	+ .16	41	38	- .1	E	4	o	*	45	40	-	
	Donaghadee ...	30.02	45	E	5	c	30.12	+ .15	41	38	- .1	E	6	c	4	48	37	-	
	Barrow-in-Furness	29.94	43	NNE	5	o	30.01	+ .13	40	36	+ .1	NE	6	bc	*	51	37	-	
	Liverpool (Bidston)	29.92	43	NE	5	o	30.00	+ .11	38	36	0	NE	4	o	3	46	38	-	
	Holyhead ...	29.91	44	NE	6	qcm	29.98	+ .11	42	39	+ .3	NE	7	cq	6	46	39	-	
	Parsonstown ...	29.94	46	NE	1	c	30.04	+ .15	40	37	+ .1	NNE	3	o	*	49	38	-	
	Valencia ...	29.88	48	NNE	4	om	29.97	+ .12	46	43	+ .2	NE	6	cm	6	48	41	-	
FRANCE & NETHERLANDS.	Roche's Point...	29.83	47	ENE	4	o	29.90	+ .12	47	44	+ .4	NE	4	bc	4	50	41	-	
	Pembroke ...	29.78	47	ENE	4	r	29.86	+ .13	40	40	- .3	NE	4	p	2	49	39	0.05	
	Scilly ...	29.69	46	ENE	5	opm	29.76	+ .14	44	42	- .1	ENE	6	o	4	47	42	0.14	
	Prawle Point ...	29.67	44	NE	5	r	29.78	+ .14	41	40	- .1	NE	5	c	4	45	37	0.36	
	Jersey ...	29.67	50	ENE	3	og	29.76	+ .18	47	46	- .1	NE	3	om	3	50	44	0.15	
	Hurst Castle ...	29.71	45	NE	5	md	29.80	+ .15	44	44	0	ENE	4	om	2	46	42	0.12	
	Dungeness ...	29.63	46	ENE	3	r	29.80	+ .17	42	41	- .3	W	0	f	2	47	40	0.17	
	London ...	29.72	48	NE	4	or	29.82	+ .11	45	42	+ .2	ENE	1	oq	*	48	42	0.64	
	Oxford ...	29.87	42	ENE	4	o	29.85	+ .10	42	42	+ .2	NE	3	ry	*	44	39	0.14	
	Cambridge ...	29.78	46	NE	3	o	29.88	+ .09	43	43	+ .1	NE	2	o	*	52	44	0.11	
PENIN- SULA.	Yarmouth ...	29.76	42	ENE	7	oqg	29.89	+ .12	40	39	0	ENE	6	ogm	5	43	39	0.12	
	Cuxhaven ...	29.98	42	E	5	c	29.98	+ .05	39	38	- .4	ENE	5	o	*	48	37	-	
	Berlin ...	29.91	52	NNE	3	o	29.87	- .06	51	48	0	NE	3	o	*	63	46	0.24	
	Wiesbaden ...	*	*	*	*	*	29.86	+ .10	52	50	- .1	W	0	bc	*	64	48	0.12	
	Munich ...	29.78	53	E	4	b	29.90	+ .09	50	47	- .1	NW	4	c	*	66	43	-	
	The Helder ...	29.81	47	ENE	5	r	29.91	+ .07	42	41	- .3	ENE	4	o	3	48	41	0.08	
	Brussels ...	*	*	*	*	*	29.85	+ .18	49	48	+ .1	WSW	1	r	*	56	?	0.28	
	Cape Gris Nez...	29.60	45	ENE	4	f	29.81	+ .19	43	43	- .3	S	1	f	1	48	41	0.16	
	Paris ...	29.69	58	W	3	c	29.85	+ .21	49	46	- .2	W	0	b	*	?	42	0.04	
	Brest ...	29.65	53	N	3	b	29.69	+ .15	47	42	0	NE	4	b	5	54	39	-	
FRANCE & NETHERLANDS.	Lorient ...	29.68	50	S	3	bc	29.63	+ .02	50	49	+ .3	W	5	c	4	58	46	-	
	Rochefort ...	29.76	58	W	3	b	29.81	+ .09	51	50	0	NW	4	bc	2	63	43	-	
	Belfort ...	29.84	55	W	1	r	29.87	+ .08	48	47	- .1	W	1	o	*	53	39	0.59	
	Lyons ...	29.82	49	N	1	r	29.84	+ .03	48	46	0	?	1	bc	*	53	45	0.83	
	Nice ...	29.88	56	SSW	2	o	29.83	- .09	57	51	+ .3	W	0	b	2	63	48	-	
	Perpignan ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Biarritz ...	29.69	65	W	0	bc	29.71	+ .03	50	48	- .5	SSW	3	r	1	66	48	0.28	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	29.80	54	W	4	b	29.70	- .14	50	46	- .2	E	4	bc	5	59	45	0.08	

WEATHER CHARTS

for 8 a.m. on

Tuesdays 24th April

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.

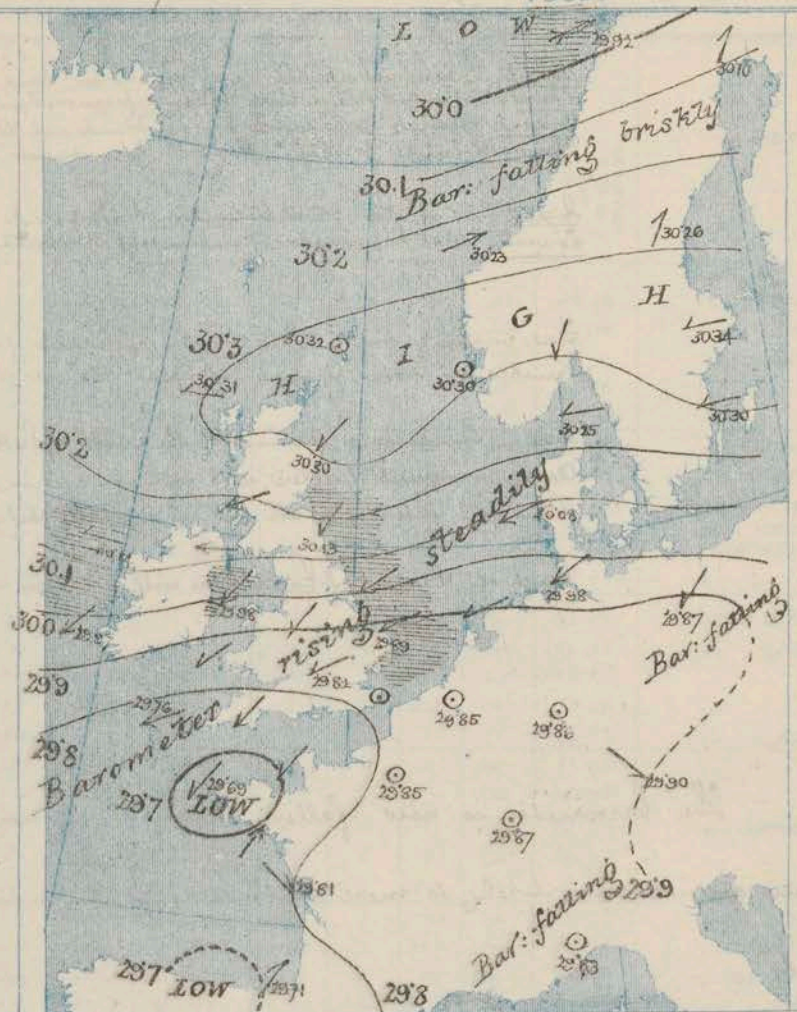
Sea Disturbance — where considerable, is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.866
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.857
Donaghadee	29.858
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Roche's Point	29.838
Pembroke	29.844
Scilly	29.849
Jersey	29.867
Hurst Castle	29.867
Dover	29.866
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



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.

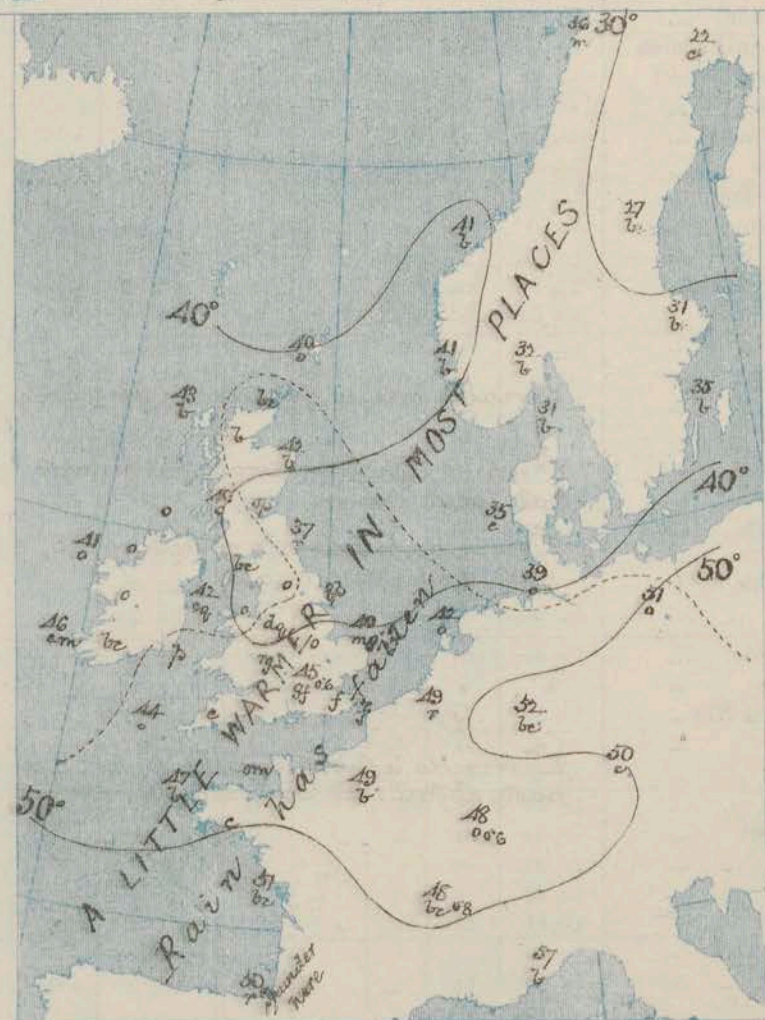
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of April.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	48.3	37.3	41.9	40.5	2.16
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	49.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.6	38.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	42.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.3	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	42.6	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	46.2	44.2	1.86
Liverpool	53.0	40.7	45.5	43.6	1.66
Parsonstown	55.0	38.3	45.7	43.0	2.15
Valencia	54.2	42.9	48.4	45.9	4.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	52.5	45.0	49.0	47.1	2.45
Jersey	54.6	43.6	49.0	46.4	2.04
Hurst Castle	52.3	41.4	45.9	44.6	1.87
Dover	51.5	42.4	47.1	44.5	1.81
LONDON.	56.7	40.0	46.8	43.8	1.86
Oxford	55.1	39.3	45.0	42.7	1.79
Cambridge	56.2	37.7	45.5	43.8	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in. and upwards in a long narrow band extending from the Baltic to the north of Scotland.
Lowest, 29.7 in. and less, in three shallow depressions lying respectively over the NW. of France, the NE. of Spain, and the neighbourhood of Lisbon.
Gradients moderate for E. winds over our Islands and the North Sea, and for W. winds over the north of Scandinavia.
Barometer falling briskly in the north of Scandinavia, but rising in most other parts of our area.

TEMPERATURE

Highest, 57° at Nice, 52° at Upsal, 51° at Berlin and 50° at Munich, Brest, Biarritz, and Lisbon.
Lowest, 22° at Haparanda, 17° at Hernoand, 31° at Stockholm and 30° at Reyk, 32° at Wierby, 35° at Jams, 36° at Bodo, and 37° at Shields.

WIND

Fresh or strong from E. or NE. over the greater part of our Islands, and the North Sea.
Variable over France, Germany and Spain; SW. over the north of Scandinavia, with a gale at Bodo.

WEATHER

Fine in Scandinavia, Denmark, the north of Scotland, and the greater part of France.
Cloudy or overcast elsewhere, with rain over Eastern and Central England and fog in the southeast.
Rain fell yesterday at all but our western stations, the largest amounts being 0.8 in. at Dover, 0.6 in. at Belfort and in London.

SEA

Rough off the east of England as well as at our more exposed western stations, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now falling briskly in the north of Scandinavia, and the anticyclonic band over our northern districts seems likely to move southwards. A gradual improvement in the weather is therefore probable over England.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	Variable breezes, finally W. or fair generally
1	SCOTLAND EAST	E. winds, light or moderate; fair generally but local showers.
2	ENGLAND N.E.	E. winds, moderate or fresh; dull, mist and rain locally.
3	ENGLAND EAST	-----D°-----D°-----D°-----
4	MIDLAND COUNTIES	-----D°-----D°-----D°-----
5	ENGLAND SOUTH	E. winds, light or moderate; dull and misty at first with local rains but improving later.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No 1
7	ENGLAND N.W.	Same as No 2
8	ENGLAND S.W.	NE. winds, moderate or fresh; fair generally, but some showers.
9	IRELAND NORTH	Same as No 2
10	IRELAND SOUTH	Same as No 8

WARNINGS

The north cone is still flying in district 3.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.27	51	51	WNW 2	6	3	Holyhead ...	29.89	45	42	E.N.E. 6	c g m	6
Samburgh Head ...	30.28	44	40	NE 1	6	4	Valencia ...	29.87	47	43	NE 5	c m	5
Stornoway ...	30.21	45	45	NE 6	c	5	Scilly ...	29.63	47	46	NE 4	r	4
Aberdeen ...	30.21	39	37	ESE 5	a	4	Jersey ...	29.63	48	47	SW 2	r	2
Shields ...	30.03	40	39	NE 4	p	5	Dungeness ...	29.66	47	46	E.N.E. 3	r	2
Ardrossan ...	30.05	45	42	ENE 6	c	4	London ...	29.78	48	47	NE 2	o m d	*
Malin Head ...	30.05	43	40	ENE 6	c	5	Yarmouth ...	29.76	43	42	NE 6	c	5
Mullaghmore ...	29.99	44	41	NE 6	c	5	Rochefort ...	29.73	61	54	SW 4	bc	2
Belmullet ...	30.02	44	40	ENE 5	c	*							

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

The reports for Wednesday morning showed that pressure was highest 30.4 ins: and upwards, in an anticyclone lying over the Gulf of Bothnia, and north of Sweden, and lowest, 29.6 ins: and less, in a narrow trough lying over the Channel and north of France. Another low pressure system was however, lying over Eastern Prussia, and a small shallow depression over the south of Spain. Moderate to strong breezes from E. or NE. were reported over nearly the whole of Northern and Northwestern Europe but in France and Spain the wind was SW² or S³, while over Germany, Austria, and Italy it was light and variable. The weather was fair in Scandinavia, North Prussia, and the north of Scotland, as well as in the south of Italy, but cloudy or overcast in most other localities, with rain over the south of England as well as over many other isolated parts of Western Europe. Snow was falling at Copenhagen. Temperature had risen a little over the greater part of the Netherlands and France, as well as in Algeria, but changed irregularly elsewhere; readings ranged from 40° and upwards at some of the Algerian stations and 60° and upwards in many parts of Spain and Italy to 15° or less, over Northern Prussia. The highest individual readings were 76° at Berke, 75° at La Calle, 68° at Ofas, 67° at Barcelona, 66° at C. Rann, 65° at Algiers, 64° at Aumale, 63° at Malta and Laphoaat; the lowest were 10° at Archangel, 17° at Haparanda, 19° at Uleaborg, 22° at Krasno and St. Petersburg, 23° at Helsingfors and Hangö.

In the course of the day the barometer rose generally, and the trough of low pressure off our southern coast gradually filled up. The weather over the south of England, however, remained very unsettled and heavy rain fell in London throughout the entire evening.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

For Wednesday 25th April 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 10, Victoria Street, London, W. 1. 1907.																			
STATIONS.	+ YESTERDAY EVENING.					9 A.M. TO DAY.										PAST 24 HOURS.			
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.		WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.			
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.			Force. (0 to 12.)	Max.		Min.		
SCANDINAVIA.	Haparanda ..	29.72	27	SW	2	bc	29.78	- .32	28	26	+	6	N	6	c	*	32	10	-
	Hernösand ...	30.01	38	2	0	0	29.83	- .37	38	33	+	11	NNW	4	b	*	41	12	-
	Stockholm ...	30.11	28	2	0	0	29.90	- .44	35	32	+	4	2	0	bc	*	41	18	-
	Wisby ...	30.14	31	E	2	0	29.72	- .38	33	32	-	2	NE	2	b	*	45	27	-
	Bodö ...	29.82	35	NNW	4	0	29.28	+ .06	29	27	-	7	N	4	bc	2	36	24	-
	Christiansund...	30.11	38	WSW	6	r	30.14	- .09	33	28	-	8	NNW	7	c	5	41	29	0.08
	Skudesnaes ...	30.16	39	NNW	6	0	30.08	- .22	40	37	-	1	NNW	8	bc	4	48	39	-
	Christiania Fjord (Færdar)	30.10	29	WSW	2	0	29.94	- .38	35	33	+	3	NNE	3	b	1	39	32	-
	Skagen (The Scaw)	30.08	36	NE	1	0	29.93	- .32	35	33	+	4	2	0	0	0	45	30	-
	Fanö ...	30.01	39	NE	4	0	29.98	- .10	40	37	+	5	NE	3	b	*	40	24	0.08
BRITISH ISLANDS.	Sumburgh Head	30.27	42	NE	1	0	30.30	- .02	36	33	-	4	NE	3	0	3	43	34	0.01
	Stornoway ..	30.30	44	NE	4	0	30.37	+ .06	43	43	0	0	NE	4	c	3	46	38	-
	Wick ...	30.33	42	E	2	0	30.35	+ .02	41	40	-	3	N	3	0	2	51	38	0.01
	Nairn ...	30.29	44	ENE	1	0	30.34	+ .04	41	40	0	0	NNE	4	c	3	47	38	-
	Aberdeen...	30.29	42	ENE	4	0	30.30	+ .00	39	36	-	3	N	3	0	2	40	35	-
	Leith ...	30.26	41	E	4	bc	30.29	+ .08	42	40	+	3	NE	3	c	*	42	36	0.01
	Shields ...	30.17	39	NE	2	0	30.19	+ .06	42	40	+	5	NNE	3	c	4	42	36	0.01
	Spurn Head ...	30.07	39	NE	5	0	30.11	+ .13	41	39	+	2	NE	5	c	5	42	37	0.05
	York ...	30.12	39	NNE	3	0	30.16	+ .11	43	39	+	5	NE	3	c	*	43	37	-
	Loughborough	30.04	38	NE	4	0	30.09	+ .16	40	38	+	1	NE	4	og	*	40	36	0.05
GERMANY.	Ardrossan ...	30.19	40	SE	5	0	30.27	+ .11	43	42	+	3	NE	3	bc	2	45	34	-
	Malin Head ...	30.18	42	ENE	4	bc	30.29	+ .14	43	39	+	3	ENE	3	b	3	44	38	-
	Mullaghmore ...	30.13	45	NE	6	0	30.26	+ .14	41	38	+	1	ENE	5	b	4	46	36	-
	Belmullet ...	30.16	45	E	5	0	30.27	+ .13	42	38	+	1	SE	3	b	*	46	38	-
	Donaghadee ...	30.16	44	E	6	0	30.25	+ .13	42	38	+	1	NE	5	b	4	46	38	-
	Barrow-in-Furness	30.08	43	NE	5	0	30.17	+ .16	39	35	-	1	N	3	bc	*	51	36	-
	Liverpool (Bidston)	30.07	41	ENE	5	0	30.16	+ .16	43	38	+	5	NE	4	bc	3	44	37	0.02
	Holyhead ...	30.02	42	ENE	7	0	30.17	+ .19	42	39	0	0	NE	6	b	6	45	39	-
	Parsonstown ...	30.06	44	NE	2	0	30.19	+ .15	39	36	-	1	NE	4	0	*	46	37	-
	Valencia ...	29.99	46	NE	5	om	30.11	+ .14	43	41	-	3	NE	6	om	6	49	41	-
FRANCE & NETHERLANDS.	Roche's Point...	29.96	44	ENE	5	0	30.06	+ .16	45	41	-	2	ENE	5	bc	4	48	41	-
	Pembroke ...	29.91	44	ENE	4	0	30.03	+ .17	40	39	0	0	ENE	5	og	2	46	38	-
	Scilly ...	29.79	47	NE	4	0	29.91	+ .15	43	41	-	1	ENE	5	0	5	47	41	0.03
	Prawle Point ...	29.83	44	NE	5	0	29.92	+ .14	40	39	-	1	NE	7	og	6	46	36	-
	Jersey ...	29.77	54	NE	4	bc	29.83	+ .07	43	42	-	4	ENE	7	om	5	60	42	-
	Hurst Castle ...	29.97	47	NE	5	m	29.94	+ .14	43	42	-	1	NE	7	c	4	54	40	-
	Dungeness ...	29.85	45	ENE	4	m	29.88	+ .08	42	41	0	0	ENE	6	c	5	48	40	0.02
	London ...	29.93	43	NE	3	0	29.98	+ .16	40	39	-	5	ENE	4	0	*	47	38	-
	Oxford ...	30.00	39	NE	4	0	30.04	+ .19	38	37	-	4	NE	4	og	*	43	37	0.04
	Cambridge ...	29.98	41	NE	3	0	30.04	+ .16	40	40	-	3	NE	2	0	*	44	37	0.03
PENINSULA.	Yarmouth ...	29.97	39	ENE	6	0	30.00	+ .11	40	38	0	0	NE	6	og	5	41	38	0.01
	Cuxhaven ...	29.95	39	ENE	4	0	29.94	- .04	39	39	0	0	NE	3	0	*	49	37	-
	Berlin ...	29.86	56	SE	1	0	29.82	- .05	49	48	-	2	NN	1	0	*	66	46	0.08
	Wiesbaden ...	*	*	*	*	*	29.80	- .06	53	48	+	1	SW	1	bc	*	63	45	-
	Munich ...	29.82	54	2	0	0	29.73	- .17	51	48	+	1	NE	2	c	*	61	41	-
	The Helder ...	*	*	*	*	*	29.89	+ .04	41	41	-	8	NNE	4	r	*	57	41	0.04
	Brussels ...	*	*	*	*	*	29.88	+ .07	40	38	-	3	ENE	8	0	6	48	39	0.04
	Cape Gris Nez...	29.85	43	NE	5	f	29.88	+ .07	40	38	-	3	ENE	8	0	6	48	39	0.04
	Paris ...	29.76	59	NE	1	0	29.73	- .12	50	48	+	1	NE	5	0	*	66	48	0.12
	Brest ...	29.75	50	N	4	0	29.76	+ .07	43	42	-	4	E	8	0	5	54	40	0.08
PENINSULA.	Lorient ...	29.74	52	NNW	1	0	29.68	+ .05	46	45	-	4	NNE	5	0	4	56	45	0.20
	Rochefort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Belfort ...	29.71	58	S	1	0	29.70	- .17	50	48	+	2	NE	1	0	*	64	39	-
	Lyons ...	29.68	60	E	1	0	29.66	- .18	53	52	+	5	S	1	r	*	63	3	0.39
	Nice ...	29.78	57	SE	1	r	29.68	- .15	59	54	+	2	SE	1	c	2	64	52	0.35
	Perpignan ...	29.65	56	E	3	0	29.59	- .17	54	53	-	3	2	0	0	*	67	50	-
	Biarritz ...	29.60	55	SE	3	0	29.57	- .14	52	50	+	2	SE	4	bc	2	57	46	0.20
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	29.60	47	N	5	r	29.66	- .04	49	46	-	1	W	4	bc	5	57	45	0.35

WEATHER CHARTS

for 8 a.m. on WEDNESDAY, 25th April, 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.

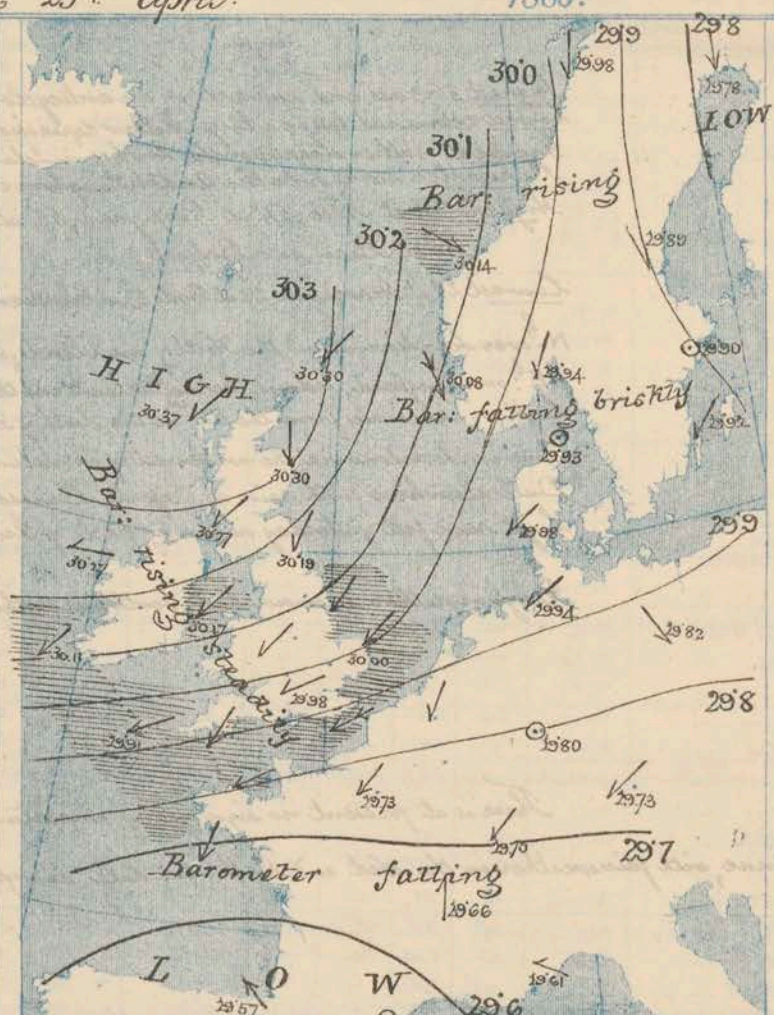
■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871-1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.857
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Roche's Point	29.838
Pembroke	29.844
Scilly	29.849
Jersey	29.867
Hurst Castle	29.867
Dover	29.866
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



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.

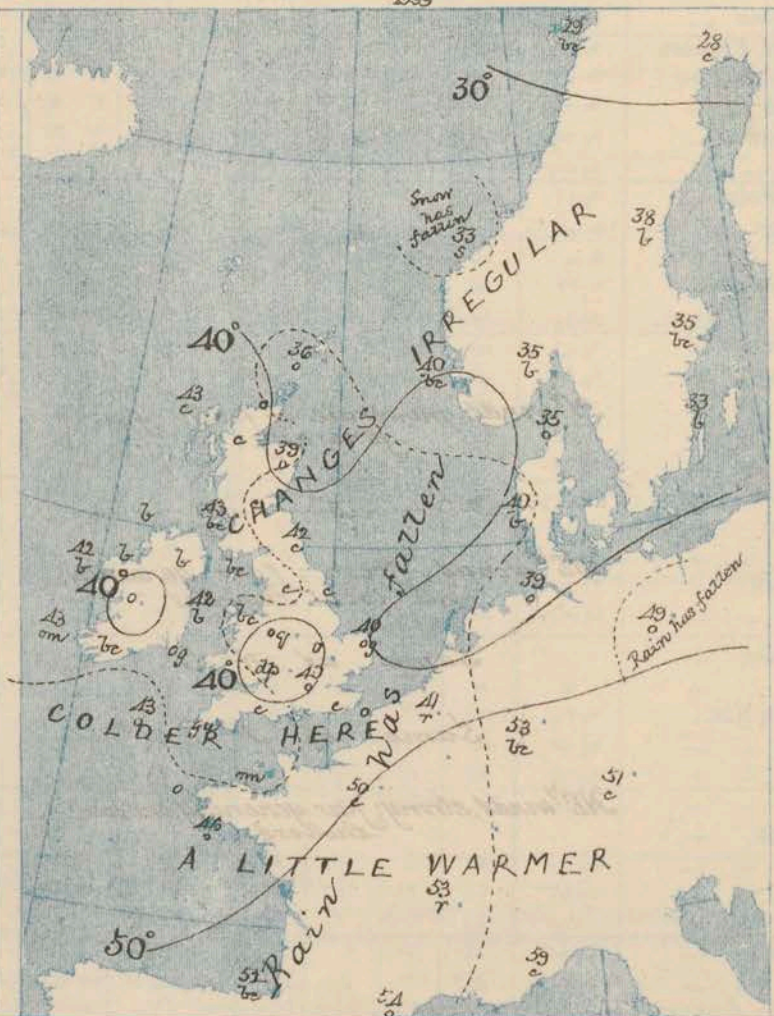
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of April.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet.	
Sumburgh Head	46.3	37.3	41.9	40.5	2.16
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	49.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.6	38.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	42.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	42.6	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	46.2	44.2	1.86
Liverpool	53.0	40.7	45.5	42.6	1.56
Parsonstown	55.0	38.3	45.7	43.0	2.15
Valencia	54.3	42.9	48.4	45.9	4.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	52.5	45.0	49.0	47.1	2.45
Jersey	54.6	43.6	49.0	46.4	2.04
Hurst Castle	52.3	41.4	45.9	44.6	1.87
Dover	51.5	42.4	47.1	44.5	1.81
LONDON	56.7	40.0	46.8	43.8	1.86
Oxford	55.1	39.3	45.0	42.7	1.79
Cambridge	56.2	37.7	45.5	43.3	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

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 Scotland. Lowest 29.6 ins. and less in a large shallow depression lying over the South of France and the North of Spain: 29.8 ins. and less over the Gulf of Bothnia. Gradients rather steep over the South of our Islands and North of France, but moderate elsewhere. Barometer rising over the United Kingdom and North of Scandinavia, but falling elsewhere.
TEMPERATURE	Highest 59° at Nice, 54° at Perpignan, 53° at Wiesbaden and Lyons, 52° at Biarritz, 51° at Munich, and 50° at Paris and Belfort. Lowest 28° at Haparanda, 29° at Bodo, 33° at Christiansund and Wisby, 35° at Stockholm, Faerder and Skagen, and 36° at Dunbargh H.
WIND	N. over Scandinavia and the North of our Islands; moderate generally, but strong to a gale in the West of Norway. NE. over England, Ireland, the Netherlands and the North of France, with a moderate gale in the Scheldt. Light or moderate from the S.E. in the South of France; variable in Germany.
WEATHER	Fine in Scandinavia, the northwest of our Islands and the greater part of Denmark and Germany. Dull elsewhere, with rain at Oxford, Brussels and Lyons. Light rain fell yesterday in many parts of Great Britain, and larger amounts in France.
SEA	Rough or rather so on our east, south and southwest coasts, as well as at Holyhead, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is at present no sign of any important change in the weather. N. or NE. winds are likely to continue, with fair weather in the West and North, but dull, damp weather in the South and East.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N. winds, moderate or fresh; fair generally.	6 SCOTLAND WEST	Same as N ^o 0 and 1.
1 SCOTLAND EAST	.....D.....D.....D.....	7 ENGLAND N. W.	NE. winds, fresh or strong; fair generally.
2 ENGLAND N. E.	NE. winds, fresh; fair generally, but local showers.	8 ENGLAND S. W.	NE. winds, strong; dull, rain locally.
3 ENGLAND EAST	Same as N ^o 5.	9 IRELAND NORTH	Same as N ^o 7.
4 MIDLAND COUNTIES	Same as N ^o 2.	10 IRELAND SOUTH	Same as N ^o 7.
5 ENGLAND SOUTH	NE. winds, strong; fair generally, but local showers.	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sec.		Bar.	Dry.	Wet.	Wind.	Wes.	Sec.		
Skudesnaes ...	30.25	48	39	NNW	4	bc	2	Holyhead ...	30.02	44	41	ENE	7	c	6
Sumburgh Head ...	30.21	45	38	2	0	0	1	Valencia ...	29.99	48	44	NE	5	bcn	5
Stornoway ...	30.30	46	40	NE	4	bc	3	Scilly ...	29.79	46	44	ENE	4	0	4
Aberdeen ...	30.30	45	40	NE	4	b	4	Jersey ...	29.77	69	54	ERE	2	7ic	2
Shields ...	30.17	40	38	NE	3	orsp	6	Dungeness ...	29.85	47	46	NE	1	f	1
Ardrossan ...	30.20	44	41	SE	6	0	4	London ...	29.92	47	46	NE	2	ond	*
Malin Head ...	30.17	43	41	ENE	5	0	4	Yarmouth ...	29.96	41	39	ENE	6	og	5
Mullaghmore ...	30.14	44	41	ENE	7	c	6	Rochefort ...	29.79	52	51	NNW	5	t	2
Belmullet ...	30.14	43	40	ENE	4	0	*								

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

The reports for yesterday morning showed, that a zone of high pressure in which readings exceeded 30.3 ins. extended in a west to east direction from the Atlantic, across the Shetland Isles, Scandinavia, the Baltic, Gulf of Finland, and northern Russia. To the northward of this zone pressure decreased to 29.9 ins. off the northwest coast of Lapland, and the gradients were consequently favourable for SW^{ly} winds, while to the southward they decreased to between 29.8 ins. and 29.9 ins. over the Mediterranean, ^{and to} rather below 29.7 ins. over the Bay of Biscay; the gradients over our Islands, the North Sea and the southern parts of the Baltic were therefore favourable for E^{ly} winds, and were rather steep. The winds reported agreed precisely with these conditions. The easterly current was cold, raw and damp, and was accompanied by gloomy weather, and rain in places; the SW^{ly} wind also was strong, but (for the locality in which it prevailed) its air was comparatively mild, and its weather fair. Temperature varied from several degrees below the freezing point over Lapland, to between 37° and 46° in our Islands, and to between 50° and 60° over many parts of Central Europe and the northern shores of the Mediterranean. The highest individual values were 75° at Biskra (Algeria), 68° at Malta and Naples, 63° at Cagliari, 62° at Rome and Lesina, 51° at Prague, Lemberg, and Budapesth, 46° at Valencia, (Ireland); the lowest were 11° at Archangel, 21° at Uleaborg, 22° at Neparanda, 27° at Hernösand, 28° at Helsingfors and Hango, 35° at Fani, and 37° at Shields.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT.

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

		† YESTERDAY EVENING.					9 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.				
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Weather.	Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	29.98	14	N	2	b	29.95	+17	15	14	-13	N	4	b	*	36	?	-	
	Hernösand ...	30.04	27	N	2	c	30.09	+20	24	21	-14	SE	0	b	*	44	?	-	
	Stockholm ...	29.93	31	NW	2	c	30.05	+15	28	23	-7	N	2	b	*	46	21	0.04	
	Wisby ...	29.90	34	NNE	4	b	30.06	+14	30	29	-3	ESE	6	b	*	40	28	-	
	Bodö ...	30.09	27	NW	2	c	29.93	-05	28	26	-1	N	4	c	3	?	23	-	
	Christiansund...	30.21	31	NNE	1	c	30.14	00	31	28	-2	SSE	1	b	3	37	?	0.08	
	Skudesnaes ...	30.08	37	NW	7	o	30.13	+05	38	33	-2	NW	5	b	3	37	37	-	
	Christiania Fjord (Færd)	30.05	40	NNE	6	b	30.16	+22	30	25	-5	NNE	5	b	2	44	27	-	
	Skagen (The Scaw)	30.02	38	E	2	b	30.13	+20	33	29	-2	ESE	3	c	3	46	32	-	
	Fanö ...	29.99	40	N	2	b	30.02	+04	36	33	-4	NE	4	c	*	46	34	-	
BRITISH ISLANDS.	Sumburgh Head	30.33	37	NNE	2	o	30.13	-17	38	37	+2	SW	2	o	2	40	32	-	
	Stornoway ..	30.37	41	NE	3	b	30.22	-15	44	44	+1	SW	3	o	3	45	35	0.02	
	Wick ...	30.35	39	N	3	o	30.19	-16	43	42	+2	W	2	o	1	45	32	-	
	Nairn ...	30.36	42	NE	1	o	30.24	-10	40	37	-1	SW	1	b	1	45	28	-	
	Aberdeen...	30.33	40	NNE	3	c	30.26	-04	43	38	+4	NW	1	b	1	44	35	-	
	Leith ...	30.33	40	E	3	c	30.28	-01	41	36	-1	W	1	b	*	47	32	-	
	Shields ...	30.27	40	N	3	o	30.25	+06	40	36	-2	N	1	o	5	45	37	0.01	
	Spurn Head ...	30.17	41	NNE	6	c	30.19	+08	40	36	-1	NNE	6	c	5	45	36	-	
	York ...	30.22	42	NNE	3	b	30.25	+09	40	35	-3	NNE	3	o	*	49	36	-	
	Loughborough	30.16	43	NNE	4	o	30.22	+13	38	35	-2	NNE	4	o	*	49	36	-	
GERMANY.	Ardrossan ...	30.28	49	NE	3	c	30.29	+02	40	38	-3	SW	1	o	1	51	38	-	
	Malin Head ...	30.33	45	N	3	b	30.34	+05	44	42	+1	NW	3	b	3	47	40	-	
	Mullaghmore ...	30.29	48	NE	5	b	30.37	+11	45	42	+4	NNE	1	b	2	49	38	-	
	Belmullet ...	30.32	46	NE	3	o	30.40	+13	45	41	+3	NNE	3	o	*	47	41	-	
	Donaghadee ...	30.28	46	SSE	3	b	30.33	+08	43	40	+1	W	3	b	2	49	40	-	
	Barrow-in-Furness	30.21	45	N	4	b	30.26	+09	40	36	+1	NNE	3	b	*	53	33	-	
	Liverpool (Bidston)	30.20	45	NE	4	c	30.28	+12	40	35	-3	NNE	2	c	2	50	35	-	
	Holyhead ...	30.21	45	NE	5	b	30.29	+12	42	39	0	NNE	4	b	4	49	36	-	
	Parsonstown ...	30.25	50	ESE	2	b	30.35	+16	39	37	0	N	1	b	*	51	29	-	
	Valencia ...	30.21	51	NNE	5	b	30.36	+25	47	43	+4	NNE	3	b	4	52	39	-	
FRANCE & NETHERLANDS.	Roche's Point...	30.16	52	NE	5	b	30.28	+22	45	41	0	NNE	3	b	4	53	37	-	
	Pembroke ...	30.08	50	ESE	4	b	30.22	+19	41	39	+1	ESE	3	b	1	52	35	-	
	Seilly ...	30.00	48	NE	6	c	30.16	+25	45	42	+2	NE	6	c	4	48	41	-	
	Prawle Point ...	29.97	45	NE	6	b	30.15	+23	41	38	+1	NNE	6	b	4	47	34	-	
	Jersey ...	29.90	46	NE	7	c	30.06	+23	45	38	+2	ESE	6	b	5	47	40	-	
	Hurst Castle ...	29.97	48	NE	7	b	30.11	+17	40	38	-3	NE	7	b	4	48	38	-	
	Dungeness ...	29.94	43	ESE	6	b	30.04	+16	40	36	-2	NE	5	c	5	46	38	-	
	London ...	30.05	44	NE	5	b	30.14	+16	39	37	-1	NNE	3	o	*	49	37	-	
	Oxford ...	30.13	41	NNE	5	o	30.19	+15	37	33	-1	NNE	3	o	*	48	36	-	
	Cambridge ...	30.10	41	NE	3	o	30.16	+12	40	36	0	NNE	3	o	*	50	35	-	
PENINSULA.	Yarmouth ...	30.06	40	NNE	6	c	30.11	+11	40	37	0	NNE	5	c	5	43	36	-	
	Cuxhaven ...	29.95	42	NNE	3	c	29.99	+05	39	38	0	NE	4	c	*	43	38	-	
	Berlin ...	29.79	46	NW	3	o	29.89	+07	41	36	-8	NNE	4	b	*	55	37	-	
	Wiesbaden ...	*	*	*	*	*	29.81	+01	48	44	-5	N	1	o	*	63	45	-	
	Munich ...	29.71	55	NW	2	o	29.58	-15	46	46	-5	NE	3	7	*	63	46	0.87	
	The Helder ...	30.02	39	NNE	5	c	30.02	+06	40	39	-1	NNE	4	c	3	43	37	-	
	Brussels ...	*	*	*	*	*	29.97	+08	39	38	-2	N	1	o	*	47	36	-	
	Cape Gris Nez...	29.93	41	ESE	8	b	30.01	+13	41	40	+1	ESE	8	o	6	45	39	-	
	Paris ...	29.75	48	NNE	7	c	29.93	+20	39	37	-11	NE	7	o	*	52	32	0.12	
	Brest ...	29.84	44	NE	7	o	30.04	+28	41	37	-2	NE	5	o	4	50	37	-	

WEATHER CHARTS

for 8 a.m. on

Thursday, 26th April.

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.

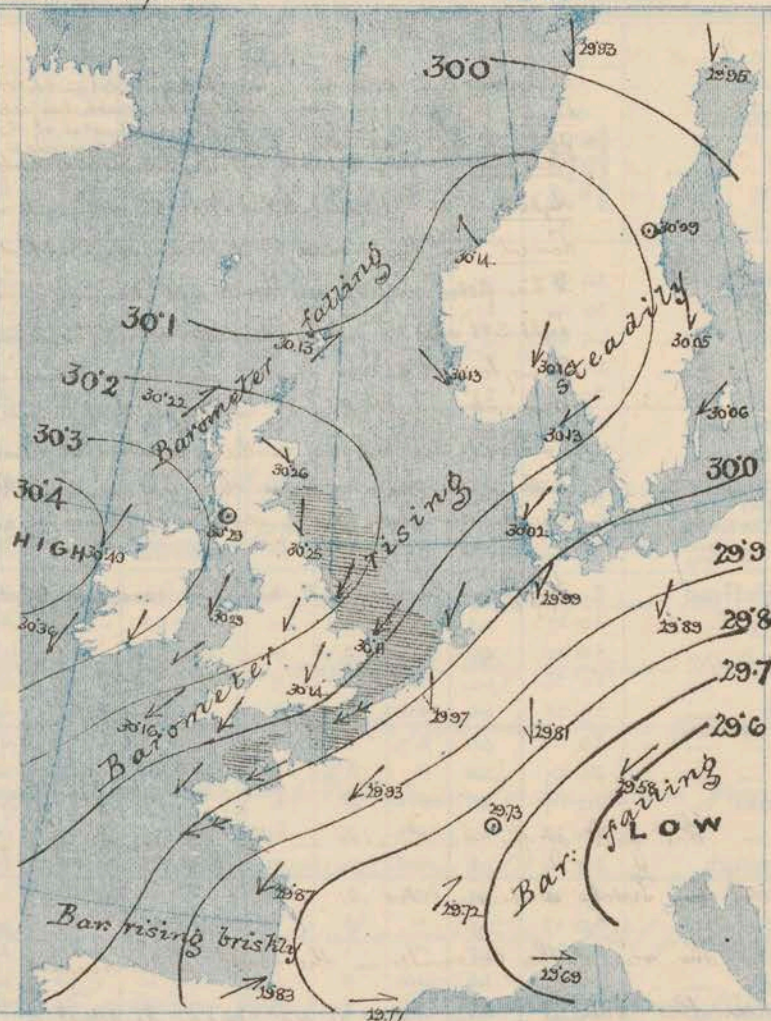
— = Rough. — = High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871 — 1885.

STATIONS.	MEAN READINGS
	ins.
Sumburgh Head.	29.849
Stornoway.	29.821
Wick.	29.853
Nairn.	29.853
Aberdeen.	29.862
Leith.	29.865
Shields.	29.870
York.	29.877
Loughborough.	29.878
Ardrossan.	29.857
Donaghadee.	29.853
Holyhead.	29.851
Liverpool.	29.864
Parsonstown.	29.853
Valencia.	29.835
Roche's Point.	29.833
Pembroke.	29.844
Scilly.	29.849
Jersey.	29.867
Hurst Castle.	29.867
Dover.	29.866
LONDON.	29.877
Oxford.	29.882
Cambridge.	29.879
Yarmouth.	29.876



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.

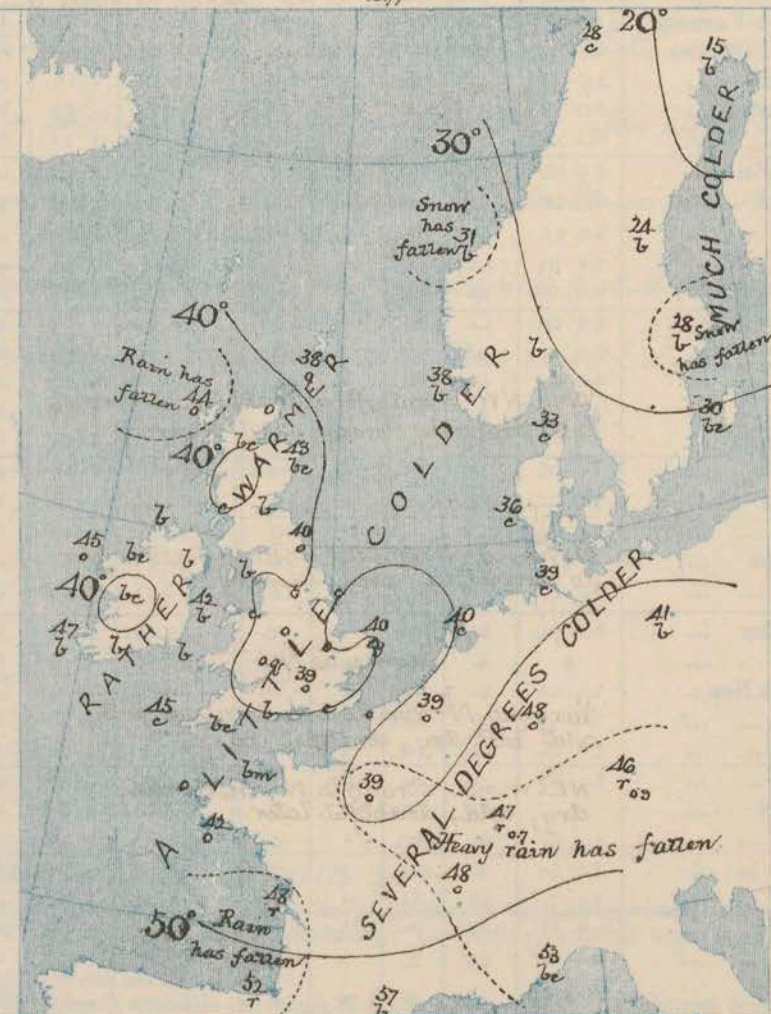
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.	Wet	
Sumburgh Head.	46.3	37.3	41.0	40.5	2.18
Stornoway.	49.3	37.5	44.1	42.3	2.51
Wick.	49.2	37.4	43.2	41.2	1.56
Nairn.	51.5	37.9	43.1	40.6	1.23
Aberdeen.	49.8	38.5	43.4	40.9	2.23
Leith.	52.6	38.2	44.2	42.1	1.65
Shields.	49.2	39.2	43.8	41.7	1.94
York.	54.1	37.8	44.1	42.0	1.86
Loughborough.	55.7	38.3	45.1	42.6	1.77
Ardrossan.	52.1	39.9	44.6	42.2	2.23
Donaghadee.	51.3	40.1	44.8	43.2	2.02
Holyhead.	51.9	42.4	46.2	44.2	1.86
Liverpool.	53.0	40.7	45.5	42.6	1.56
Parsonstown.	55.0	38.3	45.7	43.0	2.15
Valencia.	54.3	42.9	48.4	45.9	4.01
Roche's Point.	54.2	42.4	47.0	44.9	3.43
Pembroke.	50.8	42.1	45.6	43.6	2.10
Scilly.	52.5	45.0	49.0	47.1	2.45
Jersey.	54.6	43.6	49.0	46.4	2.04
Hurst Castle.	52.3	41.4	45.9	44.6	1.87
Dover.	51.5	42.4	47.1	44.5	1.81
LONDON.	56.7	40.0	46.8	43.8	1.86
Oxford.	55.1	39.3	45.0	42.7	1.79
Cambridge.	56.2	37.7	45.5	43.3	1.76
Yarmouth.	49.5	40.4	45.1	43.4	1.80

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.3 ins: to 30.4 ins: over Ireland, 30.1 ins: to 30.2 ins: in a ridge spreading eastwards over the North Sea and south of Norway.
Lowest 29.6 ins: and less, in a depression which has appeared over the Tyrol and southeast of Austria.
Rather below 30.1 ins: to the northwest of the Shetland Isles.
Gradients slight, over the northern part of our area, moderate in south.
Barometer rising Ireland, England, France and North Sea, falling South Germany and north of Scotland.

TEMPERATURE

Highest, 57° at Berpignan, 53° at Nice, 52° at Biarritz and Lisbon, 47° at Belfast and Valencia (Ireland).
Lowest, 15° at Haparanda, 24° at Helsingfors, 28° at Rode and Stockholm, 30° at Malmö and Tondern, and 40° at many of our N. and N.E. stations.
It has fallen decidedly over France and Germany, risen slightly in Ireland and is much below the average for the time of year.

WIND

Light S.W. and W. in the north of Scotland, moderate N. in Ireland and the north of England.
Strong, to a slight gale from N.E. on our southeastern and southern coasts, as well as over the Bay of Biscay.
Moderate or light from W. in the south of France.

WEATHER

Fine and dry on our southern, eastern and northern coasts.
Dull in the east and over the Continent - thiny in the southwest of France and at Belfast.
Much rain has fallen over South Germany, and the southeast of France.

SEA

Rough in the east and southeast, moderate to slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

1. The fall of the barometer in the far north does not seem to be of much importance, and will probably cease at the Scotch stations later on.
2. The rise of the barometer in the south is continuing, and some modification in the force of wind may occur in the Channel - but there is no reason to expect any important alteration at present.

FORECASTS

for the 24 hours ending at NOON on 27th April

1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	W. to NW winds, force doubtful at present; but probably strong; cold showers
1	SCOTLAND EAST	-----D°-----D°-----D°-----
2	ENGLAND N.E.	NW and N winds, light to fresh; fair to unsettled and showery
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Varying N winds, moderate or fresh; cold but dry, doubtful later
5	ENGLAND SOUTH	NE winds, strong to N, moderate; dry, cold, doubtful later.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No 0
7	ENGLAND N.W.	Same as No 2
8	ENGLAND S.W.	Same as No 5.
9	IRELAND NORTH	N winds, cold, fair as a whole.
10	IRELAND SOUTH	-----D°-----D°-----D°-----

WARNINGS

NONE ISSUED AT PRESENT

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.09	42	36	NNW 8	6	4	Holyhead ...	30.20	46	42	NE 5	6	4
Sumburgh Head ...	30.34	38	34	NE 3	0	4	Valencia ...	30.20	43	44	NE 5	em	5
Stornoway ...	30.38	44	44	NE 4	0	3	Scilly ...	29.99	46	43	NE 6	0	4
Aberdeen ...	30.33	44	39	NNE 4	0	3	Jersey ...	29.84	47	44	ENE 7	0	5
Shields ...	30.25	44	46	NNE 4	0	5	Dungeness ...	29.92	45	43	ENE 6	e	5
Ardrossan ...	30.28	50	49	NE 3	6	2	London ...	30.04	47	45	ENE 4	0	*
Malin Head ...	30.32	46	44	NNE 2	6	2	Yarmouth ...	30.06	43	41	NE 5	e	5
Mullaghmore ...	30.28	49	43	NE 5	6	4	Rocheport ...	29.67	62	59	E 4	e	2
Belmullet ...	30.29	47	41	NE 4	6	*							

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

The reports for yesterday morning showed that pressure was highest 30.3 in: and upwards, in an anticyclone lying over Holland, but high 30.1 in: over central Russia. The lowest readings 29.6 in: and less, were found in a large depression lying over the southwest of France and north of Spain, but another low pressure system (readings 29.7 in: and less) existed over Lapland. N and NE winds prevailed over the whole of Northwestern Europe and in the English Channel, they blew with the force of a moderate gale. In Spain and Algeria, however, the wind was chiefly SW^{ly}, while over central and Eastern Europe it was very variable. The weather was fair over the greater part of Scandinavia and Russia, as well as in Spain, Algeria, and the northwest of our Islands, but cloudy or overcast elsewhere, with rain at several of the French stations as well as in Southern Austria. Temperature had fallen a little over the Netherlands, the south of England and the north of France, but changed irregularly elsewhere; readings ranged from between 60° and 70° over Italy and Algeria to 32° and upwards over Northern Europe. The highest individual readings were 70° at Tunis, 69° at Birkha, 67° at Malta, 65° at La Felle, 64° at Brindisi, 63° at Fiume, Naples, Cagliari and L'Isle, and 61° at Rome, Palermo, and Lagnan; the lowest were 28° at Haparanda and Atehangil, 29° at Rosö, 30° at Uleaborg, 32° at Kuopio, 33° at Christianund, Kiruna, Helsingfors and Hangö.

In the course of the day the barometer rose generally and the anticyclone over our northern districts extended southward down our western coasts. Very little change occurred in the winds, but some improvement took place in the weather over England.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Friday, 27th April 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R.H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force, (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force, (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.69	10	Z	0	b	29.50	- .45	14	13	- 1	Z	0	b	*	27	3	-	
	Hernösand ...	29.90	37	Z	0	c	29.47	- .62	20	27	+ 6	S	6	0	*	43	18	-	
	Stockholm ...	30.00	40	WSW	2	b	29.76	- .29	31	27	+ 3	S	4	0	*	36	21	-	
	Wisby ...	30.10	27	NW	2	b	29.92	- .14	32	30	+ 2	Z	4	0	*	36	23	-	
	Bodö ...	29.66	35	N	4	b	29.29	- .64	28	27	0	ENE	4	0	1	?	25	-	
	Christiansund...	29.72	35	SE	3	0	29.06	- 1.08	40	38	+ 9	S	3	0	2	41	31	0.04	
	Skudesnaes ...	30.02	37	S	6	0	29.44	- .69	42	41	+ 4	WSW	6	0	5	45	37	0.59	
	Christiania Fjord (Fjord)	30.04	35	SW	6	b	29.53	- .63	35	34	+ 5	SSW	8	S	4	36	?	-	
	Skagen (The Scaw)	30.05	31	Z	0	b	29.69	- .44	33	33	0	SW	5	0	4	43	28	-	
	Fanö ...	30.12	35	S	1	c	29.91	- .11	39	37	+ 3	SW	4	c	*	46	32	-	
BRITISH ISLANDS.	Sumburgh Head	29.82	44	WSW	5	0	29.42	- .71	45	43	+ 7	WNW	5	0	5	45	38	0.25	
	Stornoway ..	30.02	47	W	5	r	29.74	- .68	47	47	+ 3	NW	5	bc	4	50	43	0.40	
	Wick ...	29.98	48	W	3	0	29.60	- .89	47	45	+ 4	WNW	8	b	3	51	42	0.15	
	Nairn ...	30.03	48	WSW	3	0	29.74	- .50	48	45	+ 8	WSW	3	c	3	54	39	0.04	
	Aberdeen...	30.10	45	SW	3	0	29.72	- .54	47	43	+ 4	NW	5	c	2	51	42	-	
	Leith ...	30.17	51	W	3	0	29.80	- .48	51	47	+ 10	W	6	c	*	54	39	-	
	Shields ...	30.19	41	SE	3	0	29.91	- .34	45	43	+ 5	WSW	3	0	2	45	38	-	
	Spurn Head ...	30.24	41	NNE	4	c	30.01	- .18	40	39	0	SW	4	rm	4	43	35	0.04	
	York ...	30.25	44	N	2	bc	30.01	- .24	44	42	+ 4	W	4	0	*	47	35	0.07	
	Loughborough	30.26	43	NNE	2	0	30.10	- .12	42	40	+ 4	WSW	3	0r	*	45	31	-	
GERMANY.	Ardrossan ...	30.20	48	W	3	0	29.90	- .39	47	47	+ 7	W	5	r	4	51	40	0.08	
	Malin Head ...	30.25	44	SW	3	op	29.95	- .36	45	45	+ 1	WNW	4	orm	3	50	43	0.20	
	Mullaghmore ...	30.33	47	W	3	cp	30.09	- .28	47	47	+ 2	WSW	5	0r	4	50	43	0.08	
	Belmullet ...	30.35	47	NW	3	0	30.14	- .26	49	48	+ 4	W	5	0	*	49	45	0.03	
	Donaghadee ...	30.27	47	NE	3	c	30.01	- .32	49	47	+ 6	W	5	0	3	50	43	-	
	Barrow-in-Furness	30.23	47	WNW	4	bc	30.04	- .22	44	43	+ 4	SW	5	0	*	49	39	-	
	Liverpool (Bidston)	30.26	44	WNW	2	bc	30.08	- .20	44	42	+ 4	WSW	6	0	4	47	38	-	
	Holyhead ...	30.28	44	WNW	1	bc	30.14	- .15	45	44	+ 3	WSW	5	r	4	46	40	-	
	Parsonstown ...	30.31	56	Z	0	bc	30.21	- .14	48	44	+ 9	WSW	3	0	*	56	38	-	
	Valencia ...	30.37	49	WNW	3	bm	30.32	- .04	50	48	+ 3	WNW	2	0	2	53	43	-	
FRANCE & NETHERLANDS.	Roche's Point...	30.32	50	S	3	b	30.26	- .02	46	43	+ 1	W	3	c	3	55	41	-	
	Pembroke ...	30.26	44	NNE	3	bc	30.24	+ .02	44	43	+ 3	WNW	3	c	1	48	40	-	
	Scilly ...	30.26	46	NNE	5	bm	30.28	+ .12	48	46	+ 3	WNW	3	bc	3	48	42	-	
	Prawle Point ...	30.24	44	NE	3	bc	30.27	+ .12	46	44	+ 5	W	3	b	2	48	36	-	
	Jersey ...	30.20	46	NNE	4	bm	30.28	+ .22	45	40	0	SW	3	bm	3	46	35	-	
	Hurst Castle ...	30.19	45	NE	5	bc	30.25	+ .14	45	43	+ 5	WNW	4	c	2	55	35	-	
	Dungeness ...	30.12	43	NE	5	c	30.18	+ .14	42	38	+ 2	NW	3	c	2	48	33	-	
	London ...	30.22	42	N	2	c	30.17	+ .03	41	37	+ 2	WSW	2	0	*	48	30	-	
	Oxford ...	30.27	39	NE	1	b	30.16	- .03	42	40	+ 5	W	3	bm	*	46	32	-	
	Cambridge ...	30.23	39	NNE	2	bc	30.11	- .05	42	39	+ 2	SW	1	c	*	46	28	-	
PENINSULA.	Yarmouth ...	30.18	41	NNE	4	cv	30.07	- .04	43	40	+ 3	W	4	cm	4	43	33	-	
	Cuxhaven ...	30.11	41	NE	4	b	30.11	+ .12	37	35	- 2	SSW	3	c	*	41	34	-	
	Berlin ...	30.01	35	NNE	7	b	30.07	+ .18	31	27	- 10	SE	1	b	*	48	27	-	
	Wiesbaden ...	*	*	*	*	*	30.12	+ .31	42	36	- 6	NE	3	b	*	52	37	-	
	Munich ...	29.80	39	W	2	r	30.04	+ .46	37	35	- 9	NW	4	c	*	46	34	1.89	
	The Helder ...	30.14	39	NNE	3	b	30.07	+ .05	40	38	0	SW	4	c	3	45	37	-	
	Brussels ...	*	*	*	*	*	30.17	+ .20	39	38	0	WSW	3	0	*	53	34	-	
	Cape Gris Nez...	30.13	39	NE	6	bc	30.18	+ .17	39	37	- 2	WSW	4	b	3	46	36	-	
	Paris ...	30.04	48	N	7	bc	30.24	+ .31	39	37	0	N	4	b	*	51	35	-	
	Brest ...	30.20	44	NE	7	b	30.29	+ .25	38	38	- 3	NE	1	b	2	50	36	-	

WEATHER

CHARTS

for 8 a.m. on

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.

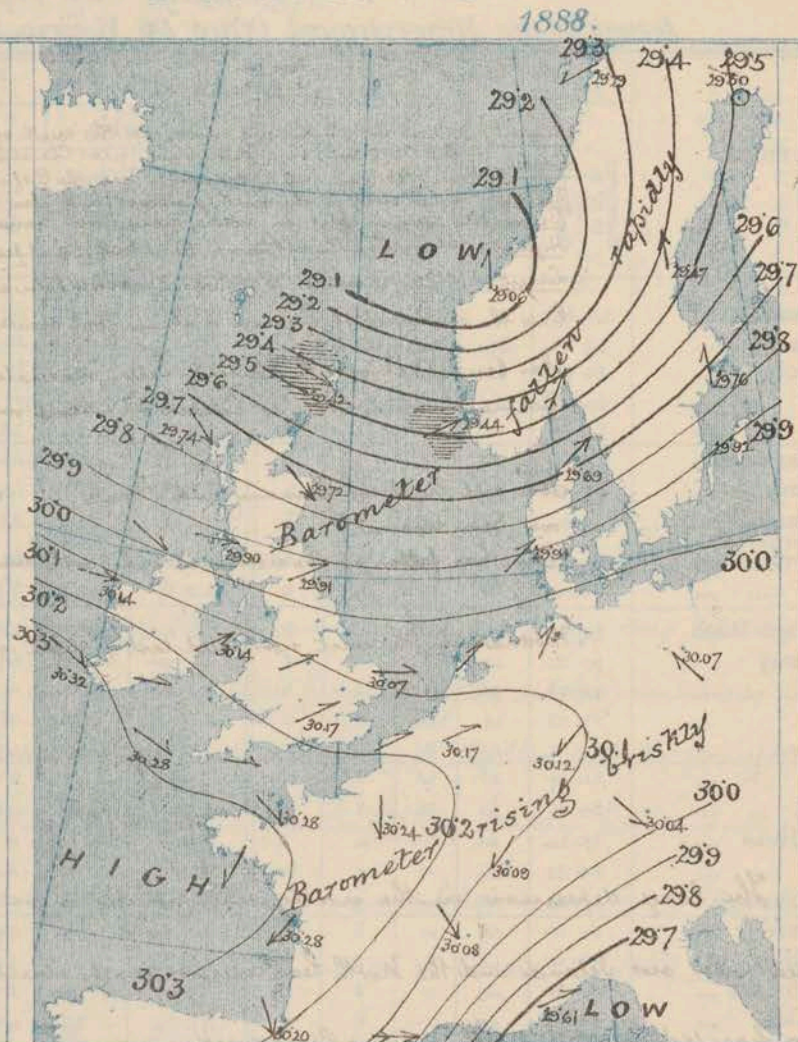
▨ = Rough. ▨ = High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of April

During the 15 Years 1871-1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.857
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Roche's Point	29.838
Pembroke	29.844
Scilly	29.849
Jersey	29.867
Hurst Castle	29.867
Dover	29.866
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



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.

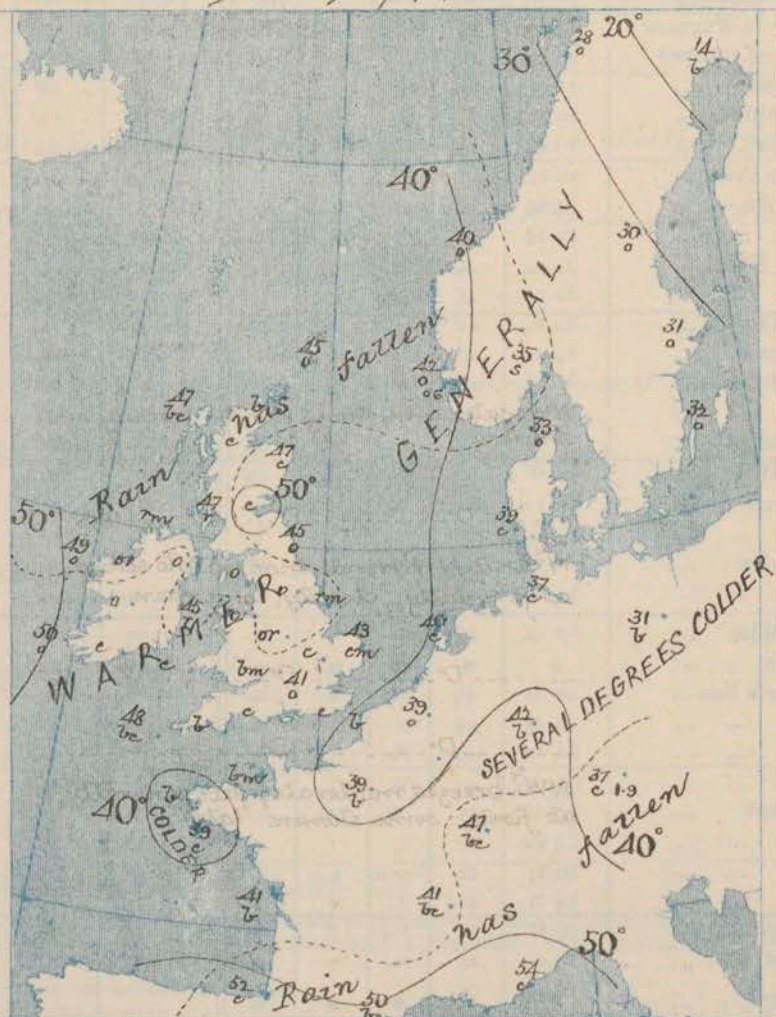
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of April

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet.	
Sumburgh Head	46.3	37.3	41.9	40.5	2.16
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	49.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.6	38.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	42.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	42.6	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.2	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	46.2	44.2	1.86
Liverpool	53.0	40.7	45.5	42.6	1.56
Parsonstown	55.0	38.3	45.7	43.0	2.15
Valencia	54.3	42.9	48.4	45.9	4.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	52.5	45.0	49.0	47.1	2.45
Jersey	54.6	43.6	49.0	46.4	2.04
Hurst Castle	52.3	41.4	45.9	44.6	1.87
Dover	51.5	42.4	47.1	44.5	1.81
LONDON	56.7	40.0	46.8	43.8	1.86
Oxford	55.1	39.3	45.0	42.7	1.79
Cambridge	56.2	37.7	45.5	43.3	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

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 in: to 30.3 in: and more, over the south of Ireland, southwest of England, Brittany, the Bay of Biscay and north of Spain.
 Lowest, About 29.0 in: in a depression near Christianaund and
 About 29.6 in: in a depression over the Gulf of Genoa.
 Gradients rather steep in the north and east, and also over the southeast of France, slight elsewhere.
 Barometer falling fast in north, rising over France and Germany.

TEMPERATURE

Highest, 54° at Nice, 52° at Biarritz, 51° at Leith, 50° at Lissabon and Valencia, and 48° at Nain.
 Lowest, 14° at Haparanda, 28° at Rode, 31° at Stockholm and Berlin, 39° at Brussels, Paris, and Lorient.

Over the southeast of England a sharp frost occurred early this morning, but the thermometer is now rising fast.

WIND

Has become W^{ly} over the British Isles, moderate to fresh generally—but blowing a gale at Wick. In Holland and Denmark it is SW^{ly}, in Sweden S^{ly}—and over the Bay of Biscay NE^{ly}.

WEATHER

Fine and bright in Germany and France, — variable in our Islands (with rain in places)—densely overcast over Scandinavia.
 Rain has fallen in the northwest and north during the past night, and very heavy rain in Barania.

SEA

Moderate in the west, north and east, slight in the south.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression in the north will probably move southeastwards to the Baltic, and secondary disturbances appear over our Islands and the North Sea causing rough unsettled weather. The north cone has consequently been hoisted on our north and northeast coasts.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW ^{ly} gales and strong winds, squally, showery.
1	SCOTLAND EAST	-----D°-----D°-----D°-----
2	ENGLAND N.E.	W ^{ly} and NW ^{ly} winds, moderate to strong and squally; cloudy, some rain.
3	ENGLAND EAST	-----D°-----D°-----D°-----
4	MIDLAND COUNTIES	-----D°-----D°-----D°-----
5	ENGLAND SOUTH	NW ^{ly} breezes, moderate; fair generally, at first, some showers later.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NW ^{ly} breezes, strong, showery.
7	ENGLAND N.W.	-----D°-----D°-----D°-----
8	ENGLAND S.W.	NW ^{ly} breezes, moderate; fair.
9	IRELAND NORTH	Same as N°6
10	IRELAND SOUTH	Same as N°8.

WARNINGS

The N. cone hoisted in districts 0 to 2 and 6.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.17	45	36	W 4	bc	3	Holyhead ...	30.32	45	41	N 3	b	3
Samburgh Head ...	29.98	44	43	WSW 3	0	3	Valencia ...	30.39	52	48	NW 3	b m	4
Stornoway ...	30.12	48	48	W 4	†	4	Scilly ...	30.23	45	41	NNE 6	bc	4
Aberdeen ...	30.18	46	42	S 4	c	2	Jersey ...	30.17	44	40	NE 6	c	5
Shields ...	30.26	44	40	NE 2	b	4	Dungeness ...	30.10	47	41	NE 5	bc	5
Ardrossan ...	30.24	47	45	SSW 3	c	2	London ...	30.19	45	42	NNE 4	0	*
Malin Head ...	30.29	48	47	WNW 3	0	1	Yarmouth ...	30.16	43	40	NNE 4	bc	4
Mullaghmore ...	30.36	49	46	W 2	OV	2	Rocheport ...	30.02	49	44	NE 7	0	2
Belmullet ...	30.39	49	46	NW 2	0	*							

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

The reports for yesterday morning showed that pressure was highest, 30.4 ins. and upwards, in an anticyclone lying off the west of Ireland, and lowest, 29.5 ins. and less, in a depression lying near St. Petersburg. A large trough of relatively low pressure existed, however, over the whole of Northern, Central and Southern Europe, and a depression with readings below 29.6 ins. was reported over South Germany. The wind was N^W or NW^W over the greater part of Northern Europe, and blew very strongly in Finland, but in the south of our Islands and the northern part of France and Germany it drew into NE., while in Italy and the south of France it was W^W or SW^W. The weather was dull and unsettled over France, Austria, and the greater part of Germany and Russia, with rain in many places, and snow at Kuopio and St. Petersburg. Elsewhere, however, conditions were mostly fair. Temperature had risen somewhat in the west and north of our Islands, and also in Spain and Italy, but fallen elsewhere; readings ranged from between 55° and 65° over Southern Europe to 25° or less over Lapland and Finland. The highest individual readings were 67° at Brest, 66° at Brindisi, Cagliari and Ispas, 65° at Algiers, 64° at La Caille and Tunis, and 63° at Oran; the lowest were 15° at Hafslunda, 18° at Uleaborg, 19° at Kuopio, 23° at Hango, 24° at Helsingfors, 25° at Helsingfors, 28° at Rode and Stockholm, and 30° at Archangel and Murby.

In the course of the day a brisk fall of the barometer set in over the north of our Islands and the west of Norway and the wind there backed to N. or SW. with dull weather, and rain in places. In the southern part of the United Kingdom the wind remained NE^W but the weather improved.

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, 28th April 1888.*
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.21	27	S	6	S	29.13	- .37	28	28	+ 14	S	6	S	*	34	3	0.43	
	Hernösand ...	29.11	33	S	8	O	29.28	- .19	30	25	0	N	8	bc	*	36	25	-	
	Stockholm ...	29.26	33	S	4	S	29.26	- .50	35	35	+ 4	NW	2	S	*	37	23	0.04	
	Wisby ...	29.45	32	SE	6	S	29.28	- .64	37	35	+ 5	W	4	O	*	?	23	0.32	
	Bodö ...	29.15	28	NE	4	S	29.18	- .11	30	28	+ 2	W	4	bc	3	32	25	-	
	Christiansund...	29.30	36	NNE	8	T	29.60	+ .54	33	31	- 7	NW	6	C	4	?	27	0.32	
	Skudesnaes ...	29.39	40	NW	6	O	29.70	+ .26	38	35	- 4	NW	5	C	4	?	?	-	
	Christiania Fjord (Farder)	29.15	41	WSW	6	b	29.54	+ .01	37	32	+ 2	NNE	5	b	2	41	?	-	
	Skagen (The Scaw)	29.21	40	W	6	O	29.52	- .17	39	35	+ 6	NNE	5	C	3	43	?	0.12	
	Fanö ...	29.58	39	W	6	bc	29.69	- .22	41	39	+ 2	NW	6	b	*	41	37	0.12	
BRITISH ISLANDS.	Sumburgh Head	29.63	38	N	5	C	29.72	+ .30	38	37	- 7	SE	1	C	3	47	32	0.06	
	Stornoway ..	29.81	49	NW	4	bc	29.55	- .19	44	42	- 3	SW	6	T	5	50	42	0.20	
	Wick ...	29.74	45	N	4	bc	29.64	+ .04	42	42	- 5	S	3	d	3	51	35	0.10	
	Nairn ...	29.69	46	WNW	2	O	29.71	- .03	43	42	- 5	W	0	T	1	52	40	0.06	
	Aberdeen...	29.76	48	NW	6	C	29.78	+ .06	45	42	- 2	SW	3	O	2	55	39	0.02	
	Leith ...	29.84	51	W	4	bc	29.84	+ .04	47	45	- 4	W	2	opm	*	57	40	0.01	
	Shields ...	29.84	52	W	4	C	29.90	- .01	47	44	+ 2	WSW	3	C	2	57	39	-	
	Spurn Head ...	29.88	48	W	5	C	29.98	- .03	45	43	+ 5	W	3	bc	2	48	39	0.12	
	York ...	29.91	50	W	4	C	29.93	- .03	48	45	+ 4	W	2	bc	*	52	37	-	
	Loughborough	30.00	50	W	4	O	? 30.05	- .05	50	48	+ 8	WSW	2	O	*	52	41	-	
GERMANY.	Ardrossan ...	29.90	47	W	5	C	29.82	- .08	46	46	- 1	S	3	opm	2	51	43	0.05	
	Malin Head ...	29.97	46	WNW	3	om	29.77	- .21	48	48	+ 3	SW	4	opg	3	49	44	0.06	
	Mullaghmore ...	30.05	48	W	4	O	29.87	- .22	50	49	+ 3	SSW	4	O	3	50	46	0.10	
	Belmullet ...	30.09	49	W	2	T	29.86	- .28	47	47	- 2	WSW	8	O	*	50	47	0.06	
	Donaghadee ...	30.00	51	NW	4	C	29.89	- .12	48	48	- 1	S	2	O	1	54	45	0.02	
	Barrow-in-Furness	29.97	46	W	4	O	29.96	- .08	46	45	+ 2	SW	3	O	*	47	42	0.04	
	Liverpool (Bidston)	30.00	46	W	6	T	30.00	- .08	49	48	+ 5	WSW	1	O	2	50	44	0.05	
	Holyhead ...	30.05	49	W	4	T	30.00	- .14	47	47	+ 2	SSW	3	om	3	50	44	0.06	
	Parsonstown ...	30.12	52	WSW	2	O	30.00	- .21	50	49	+ 2	SSW	1	O	*	54	46	-	
	Valencia ...	30.23	51	W	3	om	30.06	- .26	48	47	- 2	SW	3	om	4	52	47	0.11	
FRANCE & NETHERLANDS.	Roche's Point...	30.19	54	W	3	bc	30.06	- .20	51	48	+ 5	W	3	C	3	56	46	-	
	Pembroke ...	30.14	46	WSW	4	C	30.08	- .16	45	45	+ 1	SW	2	f	3	48	44	0.01	
	Scilly ...	30.26	49	W	5	C	30.16	- .12	48	46	0	WSW	4	O	4	50	46	-	
	Prawle Point ...	30.20	47	W	4	bc	30.14	- .13	46	46	0	W	3	f	2	51	42	-	
	Jersey ...	30.23	47	W	5	om	30.20	- .08	47	46	+ 2	W	4	odm	3	52	44	-	
	Hurst Castle ...	30.11	53	WNW	5	C	30.11	- .14	46	46	+ 1	SW	3	om	1	55	42	-	
	Dungeness ...	30.02	46	W	6	C	30.06	- .12	46	45	+ 4	W	3	O	3	49	41	-	
	London ...	30.04	53	SW	2	C	30.06	- .11	53	50	+ 12	WNW	1	O	*	56	40	-	
	Oxford ...	30.07	47	WSW	3	C	30.07	- .09	49	48	+ 7	SW	3	O	*	56	41	-	
	Cambridge ...	30.00	52	SW	2	om	30.04	- .07	50	48	+ 8	W	1	O	*	56	41	0.09	
PENINSULA.	Yarmouth ...	29.95	49	WNW	4	O	30.01	- .06	48	44	+ 5	NW	3	bc	3	49	39	0.09	
	Cuxhaven ...	29.80	39	W	6	T	? 29.72	- .39	41	40	+ 4	NW	6	O	*	46	?	0.06	
	Berlin ...	29.81	43	WNW	3	O	29.75	- .32	42	39	+ 11	WNW	6	C	*	45	?	0.04	
	Wiesbaden ...	*	*	*	*	*	30.02	- .10	49	47	+ 7	SW	2	C	*	57	?	-	
	Munich ...	30.05	43	W	3	C	30.04	- .00	41	39	+ 4	W	7	T	*	46	37	0.04	
	The Helder ...	29.86	43	W	4	O	29.97	- .10	43	42	+ 3	WNW	1	b	2	45	?	0.04	
	Brussels ...	*	*	*	*	*	30.05	- .12	49	47	+ 10	W	3	C	*	50	?	0.04	
	Cape Gris Nez...	30.04	45	W	7	O	30.08	- .10	45	44	+ 6	S	1	O	1	46	39	-	
	Paris ...	30.17	53	NW	3	bc	30.17	- .07	47	45	+ 8	WSW	1	O	*	58	?	-	
	Brest ...	30.28	49	NW	5	O	30.23	- .06	47	42	+ 9	W	4	C	3	52	34	-	

WEATHER

CHARTS

for 8 a.m. on *Saturday, 28th April.*

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

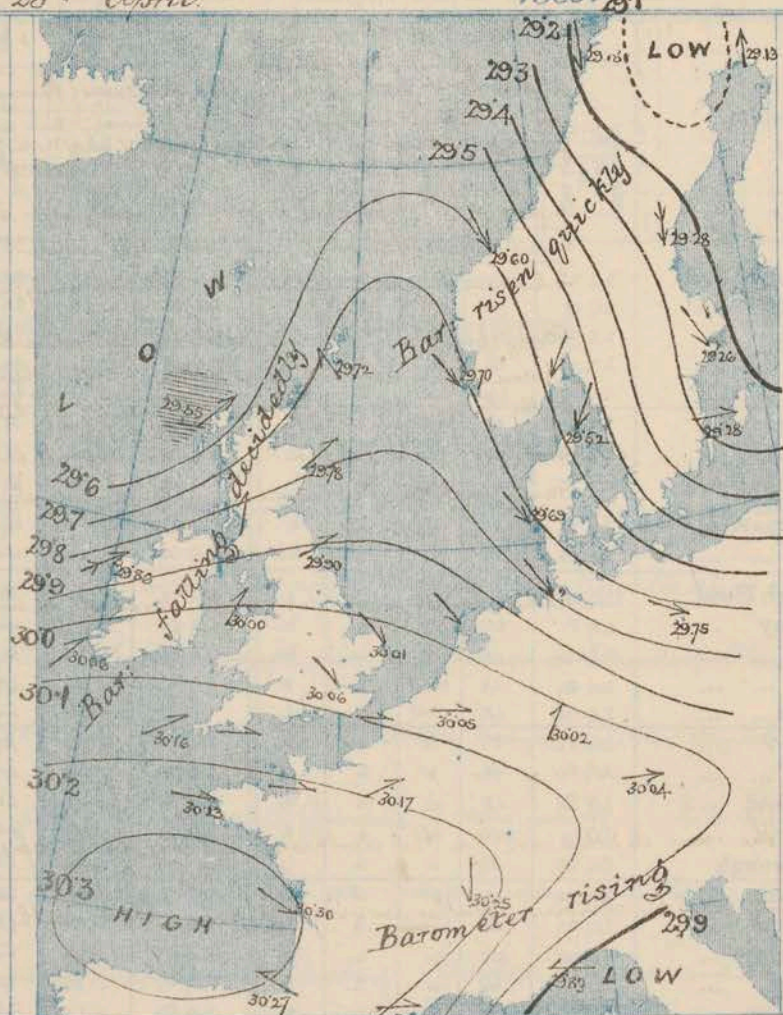
Sea Disturbance — where considerable, is shewn thus.

— Rough. — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.849
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Valencia	29.835
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TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

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

Weather — is shown by Letters of the Beaufort Scale.

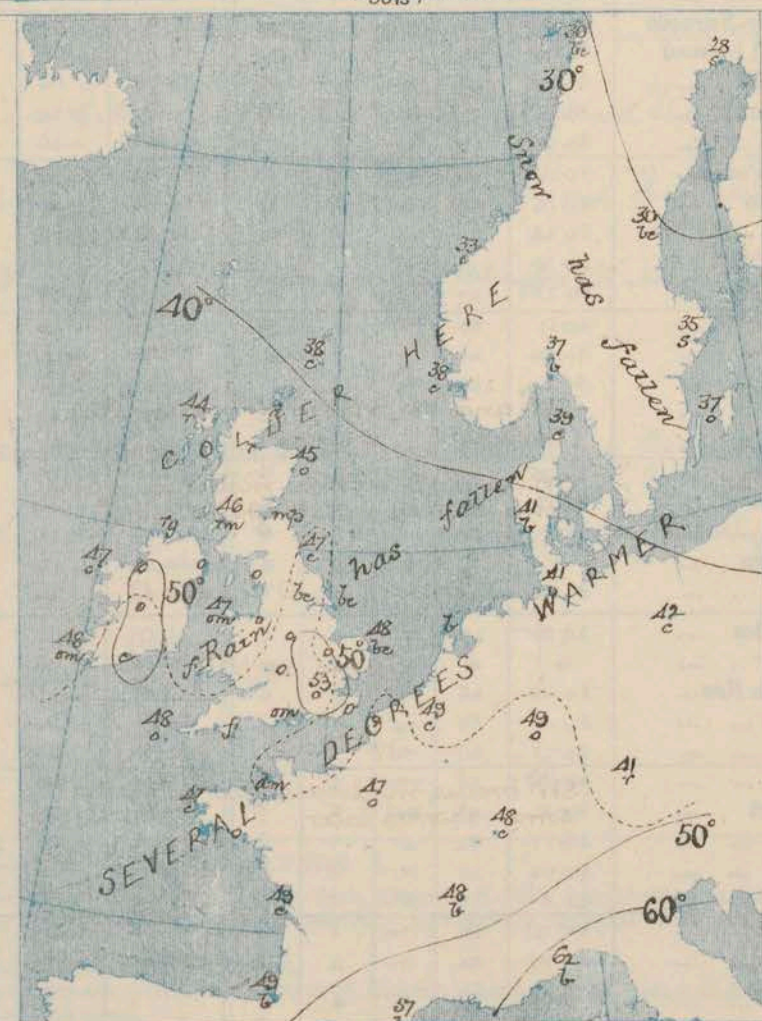
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of April.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry	Wet	
Sumburgh Head	46.3	37.3	41.4	40.5	2.16
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	49.2	37.4	43.2	41.2	1.56
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.0	38.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	42.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	42.6	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	46.2	44.2	1.86
Liverpool	53.0	40.7	45.5	42.6	1.56
Parsonstown	55.0	38.3	45.7	43.0	2.15
Valencia	54.3	42.9	48.4	45.9	4.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	52.5	45.0	49.0	47.1	2.45
Jersey	54.6	43.6	49.0	46.4	2.04
Hurst Castle	52.3	41.4	45.9	44.6	1.87
Dover	51.5	42.4	47.1	44.5	1.81
LONDON	56.7	40.0	46.8	43.8	1.86
Oxford	55.1	39.3	45.0	42.7	1.79
Cambridge	56.2	37.7	45.5	43.8	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.3 ins. and more, over the Bay of Biscay. Lowest, 29.9 ins. and less, over the Gulf of Genoa, 29.6 ins. and less, over the Hebrides, 29.3 ins. and less, over the Baltic, and 29.2 ins. and less over Lapland. Gradients moderate for NW winds in Denmark and North Germany and for SW winds on our northwest coasts, slight elsewhere - for W winds at our southern stations, but for E over Spain. Barometer falling fast in northwest and coast, rising in north-east.
TEMPERATURE	Highest, 62° at Nice, 57° at Lisbon and Perpignan, 53° in London, 51° at Rochford, and 50° at Portmarnock and Mullaghmore. Lowest, 28° at Haparanda, 30° at Bodö and Helsingfors, 35° at Stockholm, 36° at Lumburgh Head, and 41° at Tomö and Akerhusen. It has risen decidedly in most places, but fallen (temporarily) in the Shetlands and west of Norway. It is slightly above the average for the time of year over Great Britain.
WIND	Strong from the N ^W (NNE to NW) in Norway and on the eastern side of the North Sea. Moderate W at our southern stations - SW in the west of our Islands. In the latter region it appears to be increasing a little.
WEATHER	Fine and bright over southern Europe and at several stations in Scandinavia, cloudy, more or less, elsewhere, with rain in the north and in some southern localities also. Slight rain fell yesterday except in the south.
SEA	Rather rough in the far north, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new depression in the northwest will probably spread more over us, and its centre move eastwards, causing mild, showery weather in most places, but with bright intervals over our southern districts.

FORECASTS

For the 24 hours ending at NOON on 23rd April 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SW ^{ly} and W ^{ly} winds, strong; squally, changeable, showery.	6 { SCOTLAND WEST	SW ^{ly} and W ^{ly} winds, increasing in force; squally, showery.
1 { SCOTLAND EAST	SW ^{ly} and W ^{ly} winds, moderate or fresh; some showers, with bright intervals.	7 { ENGLAND N. W.	-----D°-----D°-----D°-----
2 { ENGLAND N. E.	-----D°-----D°-----D°-----	8 { ENGLAND S. W.	-----D°-----D°-----D°-----
3 { ENGLAND EAST	Same as N° 5	9 { IRELAND NORTH	-----D°-----D°-----D°-----
4 { MIDLAND COUNTIES	Same as N° 5.	10 { IRELAND SOUTH	-----D°-----D°-----D°-----
5 { ENGLAND SOUTH	SW ^{ly} breezes, moderate; fair at first, some showers later.	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.
Skadesnaes ...	29.36	44	42	W 5	r f	5	Holyhead ...	30.08	48	46	WSW 5	0	4
Samburgh Head ...	29.51	43	40	NW 5	c	4	Valencia ...	30.28	52	50	WSW 4	0 NW	4
Stornoway ...	29.79	50	50	NW 6	c	4	Scilly ...	30.28	49	46	WNW 3	0	4
Aberdeen ...	29.72	52	46	NW 7	c q	5	Jersey ...	30.27	50	46	W 4	60	3
Shields ...	29.42	55	49	W 4	c	2	Dungeness ...	30.06	47	44	W 6	c	3
Ardrossan ...	29.39	49	46	W 5	bc	4	London ...	30.08	56	52	W 3	0	*
Malin Head ...	29.97	46	45	WNW 3	0	4	Yarmouth ...	29.98	45	44	W 4	0†	4
Mullaghmore ...	30.07	48	48	W 4	0d	3	Rocheport ...	30.33	53	48	NW 5	6	2
Belmullet ...	30.11	49	49	WNW 3	0m	*							

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

The reports for yesterday morning showed that pressure was highest, 30.3 ins: and upwards, in an anticyclone lying over the Bay of Biscay and relatively high 29.9 ins: and upwards, in a long band extending from this region across France and North Germany to Central Russia. To the northward of the band two large and rather deep depressions were shown, — one off the west of Norway and the other over Northern Russia, while over Southern Austria there was an equally large but shallower disturbance. The wind was W⁴ in our Islands and SW³ or S⁴ in Scandinavia and North Germany, while in the north of Russia it was chiefly NW³. Over Central Europe, however, it drew into N. or NE. while in Italy and Algeria it was W⁴ or SW³. The weather was fine in Germany, France, Spain, Algeria, and South Italy, but cloudy or overcast elsewhere, with rain in many parts of our Islands, and also in Austria and the north of Italy. Temperature had risen somewhat in our Islands and Scandinavia, but fallen elsewhere: readings ranged from between 55° and 65° over Algeria and Southern Europe, to 32° or less, over Sweden, Germany and Northern Russia. The highest individual readings were 66° at Brindisi, 65° at Sfax and Rostock, 63° at Algiers and La Palme, 62° at Barcelona and Tunis and 61° at Oporto, Palermo, Malta and Leghorn; the lowest were 14° at Haparanda, 19° at Uleaborg, 21° at Archangel, 23° at St. Petersburg, 24° at Kuopio, 27° at Moscow, 28° at Rode, Helsingfors and Riga, and 29° at Warsaw.

In the course of the day the depression off the west of Norway moved slowly southeastwards, and the wind rose to a gale from the NW⁴ in the east of Scotland. Rain fell at several of our northern and eastern stations, but in the south the weather remained fair.

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 29th April 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R.H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)		SHADE TEMP.		Amount of Rainfall.
			Dir.	Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)				Max.	Min.	
SCANDINAVIA.	Haparanda ..	29.31	21	SW	2	b	29.39	+ .26	20	19	- .8	WSW	2	b	*		29	21	0.32
	Hernösand ...	29.61	31	NNW	4	b	29.48	+ .20	30	30	0	S	8	s	*		45	28	0.04
	Stockholm ...	29.72	33	Z	0	b	29.73	+ .17	37	38	+ .2	SSW	4	o	*		43	30	—
	Wishby ...	29.79	31	N	2	b	29.92	+ .64	39	35	+ .2	SSW	6	o	*		45	28	—
	Bodö ...	29.85	30	NNW	3	bc	29.88	+ .20	30	?	0	ENE	1	bc	1		34	25	—
	Christiansund...	29.56	35	ESE	8	o	29.10	- .50	42	40	+ .9	SSW	6	o	3		43	30	0.04
	Skudesnaes ...	29.39	36	SSE	8	r	29.39	- .31	41	40	+ .3	SSE	7	o	5		41	36	—
	Christiania Fjord (Færd)	29.72	39	N	3	o	29.51	- .03	39	39	+ .2	SSW	6	f	3		41	37	—
	Skagen (The Scaw)	29.50	37	W	2	o	29.61	+ .09	43	43	+ .4	SW	3	o	3		46	36	0.08
	Fanö ...	29.90	39	S	4	bc	29.78	+ .09	42	42	+ .1	S	4	mv	*		45	39	—
BRITISH ISLANDS.	Sumburgh Head	29.24	44	S	4	r	29.07	- .65	45	42	+ .7	SW	5	c	5		45	38	0.39
	Stornoway ...	29.22	49	SW	7	r	29.12	- .43	41	41	- .3	SW	8	r	6		50	41	0.34
	Wick ...	29.29	51	WSW	5	c	29.15	- .49	50	45	+ .8	W	4	c	3		55	39	0.10
	Nairn ...	29.27	49	WSW	6	bc	29.21	- .50	48	45	+ .5	W	4	bc	2		56	41	—
	Aberdeen...	29.45	49	WSW	5	c	29.31	- .47	43	38	- .2	SW	4	c	2		58	43	—
	Leith ...	29.55	56	SW	7	c	29.39	- .45	47	43	0	WSW	6	cp	*		61	43	0.02
	Shields ...	29.69	55	SW	5	c	29.50	- .40	49	46	+ .2	SSW	6	c	2		60	45	—
	Spurn Head ...	29.81	56	SW	3	bc	29.69	- .29	49	45	+ .4	SW	6	b	3		59	44	—
	York ...	29.80	59	SSW	3	c	29.63	- .35	49	43	+ .1	WSW	4	o	*		60	44	—
	Loughborough	29.88	60	SW	2	c	29.74	- .35	46	43	- .4	SW	5	og	*		64	44	—
GERMANY.	Ardrossan ...	29.60	48	SSW	4	o	29.43	- .39	45	44	- .1	WSW	5	o	4		48	43	0.10
	Malin Head ...	29.51	48	SW	6	o	29.40	- .37	45	43	- .3	WSW	4	bc	3		52	40	0.19
	Mullaghmore ...																		
	Belmullet ...	29.61	49	SW	8	o	29.50	- .36	46	42	- .1	W	7	bc	*		49	43	0.10
	Donaghadee ...	29.69	54	W	6	c	29.50	- .39	44	43	- .4	W	3	r	2		50	43	0.05
	Barrow-in-Furness	29.80	48	S	6	o	29.58	- .38	46	44	0	S	7	o	*		50	44	0.01
	Liverpool (Bidston)	29.84	49	SSW	4	o	29.62	- .38	49	44	0	SW	5	c	4		60	45	—
	Holyhead ...	29.82	46	SSW	5	c	29.61	- .39	45	45	- .2	SSW	7	mv	6		53	45	0.01
	Parsonstown ...	29.80	50	WSW	3	o	29.59	- .41	44	43	- .6	Z	0	o	*		56	42	0.17
	Valencia ...	29.84	50	SSW	6	o	29.64	- .42	48	46	0	W	1	om	1		52	44	0.27
FRANCE & NETHERLANDS.	Roche's Point...	29.89	48	WSW	5	o	29.64	- .42	48	48	- .3	WSW	5	r	4		52	46	0.15
	Pembroke ...	29.95	45	SSW	4	o	29.72	- .36	46	45	+ .1	SSW	6	om	5		47	44	0.01
	Scilly ...	30.03	49	SW	5	o	29.82	- .34	50	47	+ .2	SW	5	o	5		53	46	—
	Prawle Point ...	30.04	45	SW	3	o	29.80	- .28	46	45	0	SSW	5	om	4		58	42	—
	Jersey ...	30.10	48	WSW	3	o	29.96	- .24	48	45	+ .1	SSW	3	omg	3		49	45	—
	Hurst Castle ...	30.22	47	SW	6	m	29.88	- .23	46	45	0	SW	6	o	2		53	45	—
	Dungeness ...	30.01	46	W	4	o	29.89	- .17	45	44	- .1	WSW	3	o	2		52	43	—
	London ...	29.97	59	SSW	3	o	29.84	- .22	48	44	- .5	SW	3	o	*		60	45	—
	Oxford ...	29.94	54	SW	3	o	29.83	- .24	47	43	- .2	SW	4	og	*		60	44	—
	Cambridge ...	29.92	57	W	1	bc	29.80	- .24	49	45	- .1	SW	2	c	*		62	44	—
PENINSULA.	Yarmouth ...	29.94	52	SSW	2	bc	29.81	- .20	49	44	+ .1	WSW	4	og	3		57	44	0.01
	Cuxhaven ...	30.05	41	NNW	4	c	29.95	+ .23	48	48	+ .7	SW	4	r	*		49	41	—
	Berlin ...	30.02	46	NNW	3	b	30.10	+ .35	48	43	+ .6	SSW	3	bc	*		52	36	—
	Wiesbaden ...	*	*	*	*	*	30.08	+ .06	48	46	- .1	Z	0	o	*		63	41	—
	Munich ...	30.17	45	W	4	b	30.15	+ .11	48	45	+ .7	E	5	b	*		48	37	0.04
	The Helder ...	29.97	45	SSW	3	b	29.86	- .11	46	45	+ .3	SW	5	c	3		52	43	—
	Brussels ...	*	*	*	*	*	29.96	- .09	52	50	+ .3	SW	1	o	*		57	50	—
	Cape Gris Nez...	30.04	45	SW	5	f	29.91	- .17	45	45	0	SW	4	c	2		52	43	—
	Paris ...	30.13	54	SW	1	o	30.00	- .17	52	48	+ .5	S	3	b	*		58	47	—
	Brest ...	30.12	47	WSW	4	o	29.95	- .28	48	45	+ .1	SW	5	o	3		52	36	—

WEATHER

for 8 a.m. on

CHARTS

Sunday, 29th April

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.

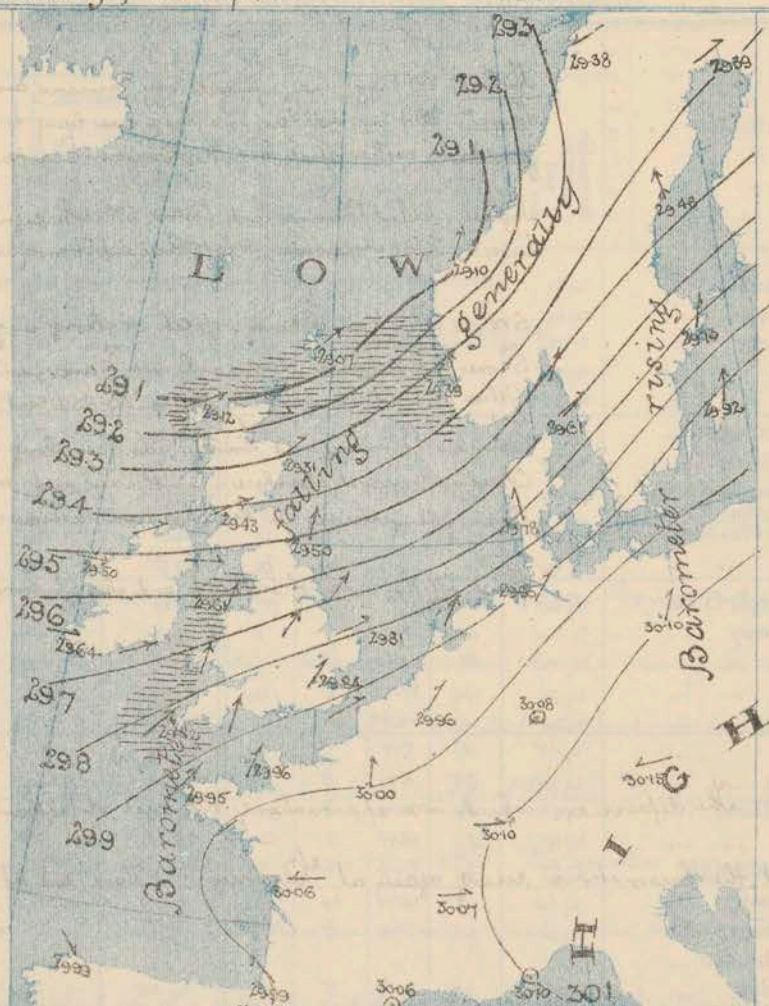
Sea Disturbance — where considerable, is shown thus.

▨ = Rough. ▨ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.857
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Roche's Point	29.838
Pembroke	29.844
Scilly	29.849
Jersey	29.867
Hurst Castle	29.867
Dover	29.866
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.1 ins. and upwards over Germany, and south-east of France.</p> <p>Lowest, 29.1 ins. and less, in a large area lying to the northward of our Islands.</p> <p>Gradients rather steep over Northern Europe, but slight elsewhere. Barometer falling generally, most in the north.</p>
TEMPERATURE	<p>Highest, 60° at Genoa and Lisbon, 53° at Perpignan, 57° at Belfort, 52° at Brussels, Paris and Nice, and 55° at Berlin, Lillo, and Lyons.</p> <p>Lowest, 20° at Haparanda, 30° at Rode and Helsingfors, 37° at Stockholm, 39° at Malmö and Aarhus, and 41° at Kharkov and St. Petersburg.</p>
WIND	<p>S.W. or W. in our Islands, fresh or strong in force generally.</p> <p>S. over Scandinavia (Denmark and France), with a fresh gale at Helsingfors.</p> <p>Calm or light, variable in the south and east of France.</p>
WEATHER	<p>Fine in Germany and France, and fair along the north and east coast of Great Britain.</p> <p>Cloudy or overcast elsewhere - with rain and mist at some of our western stations.</p> <p>Rain fell yesterday in the west and extreme north of our Islands.</p>
SEA	<p>Rough off the north of Scotland and also at some of our southern stations, but slight or smooth elsewhere.</p>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which was approaching the west of Scotland yesterday is now passing away to the northward of our Islands and the barometer is rising again at Valencia. - There are at present no indications of the advance of any fresh disturbance.

FORECASTS

for the 24 hours ending at NOON on 30th April 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 S. cone was hoisted last evening in districts 5 to 10. and part of 3.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.76	41	36	SSH	2	0	3	Holyhead ...	29.90	50	48	SSH	5	om	4
Sumburgh Head ...	29.45	39	38	SSE	5	r	5	Valencia ...	29.94	50	48	SW	5	omg	5
Stornoway ...	29.84	48	48	SW	7	r	6	Scilly ...	30.09	51	49	SW	4	o	4
Aberdeen ...	29.59	46	44	S	6	og	5	Jersey ...	30.15	49	47	N	3	o	3
Shields ...	29.77	59	53	WSW	3	0	2	Dungeness ...	30.02	50	47	W	4	bc	
Ardrossan ...	29.70	48	47	SSH	4	0	4	London ...	30.02	60	55	SW	2	o	*
Malin Head ...	29.60	58	46	SW	6	0	6	Yarmouth ...	30.00	52	49	SSH	2	bc	2
Mullaghmore ...	29.73	52	49	WSW	7	0	5	Rocheport ...	30.26	55	51	NW	4	bc	1
Belmullet ...	29.74	49	48	WSW	7	0	*								

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

The reports for yesterday morning showed that pressure varied from 30.0 ins. to 30.3 ins. over the whole of France and the Peninsula, and from 30.3 ins. and more over the Bay of Biscay to 29.6 ins. and less, off our northwest coasts, and to between 29.1 ins. and 29.2 ins. over Lapland and the Gulf of Bothnia. Thus, light W^{ly} and NW^{ly} winds prevailed over the Channel and north of France. SW^{ly} winds were reported in the west and north of our Islands, and N^{ly} to NW^{ly} winds over the North Sea, Sweden and Denmark. On the eastern shores of the Baltic, however, the wind was S^{ly}. Temperature had risen in most places (considerably over the southeast of England) and varied from several degrees below the freezing point over northern Europe to between 60° and 67° over the southwestern parts of the Mediterranean and Algeria. ^{The highest windings had readings 67° at Oran and Algiers,} 63° at Brindisi, 62° at Nice, 61° at Cagliari, 59° at San Fernando, 58° at Livorno, 57° at Perpignan, 55° at Bilbao, 53° in London, 51° at Rock's Point, and 50° at Mullaghmore, Carrontown and Loughborough, the lowest were 23° at Archangel, 27° at Uleaborg, 28° at Haparanda, 29° at Helsingfors and Kuopio, 30° at Rode, and 38° at Sumburgh H^d.

No decided change occurred later, beyond the advance eastwards of the new depression in the northwest, and an increase in the force of the SW^{ly} and W^{ly} wind at our northern stations.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT.

for *Monday, 30th April* 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 ..	29.48	26	ENE	2	0	29.47	+0.08	36	33	+16	S	4	0	*	?	9	0.16	
	Hernösand ...	29.48	37	S	6	0	29.62	+1.14	43	40	+13	SSW	2	0	*	46	23	-	
	Stockholm ...	29.73	42	S	2	0	29.83	+1.10	48	43	+11	SSW	2	0	*	?	27	-	
	Wisby	29.94	43	S	6	1	29.94	+0.02	44	42	+5	S	4	0	*	45	30	0.12	
	Bodö	29.23	31	ENE	4	0	29.36		40	37		ESE	4	0	2	41	30	0.08	
	Christiansund...	29.19	44	SSW	4	0	29.44	+0.24	44	39	+2	SSW	5	0	4	46	39	-	
	Skudesnaes ...	29.49	40	S	6	0	29.63	+0.14	41	40	0	SSE	4	0	4	41	39	-	
	Christiania Fjord (Færder)	29.55	40	S	7	1	29.71	+0.16	39	39	0	SSW	3	0	3	41	37	-	
	Skagen (The Sea)	29.66	43	SW	3	0	29.76	+0.10	42	42	-1	SW	3	0	2	46	41	0.04	
	Fanö	29.79	41	SW	4	0	29.80	+0.02	42	41	-0	SW	4	0	*	46	41	-	
BRITISH ISLANDS.	Sumburgh Head	29.15	44	WSW	7	0	29.42	+0.27	45	43	0	S	2	0	3	46	40	-	
	Sornoway ..	29.33	47	W	5	0	29.36	+0.03	44	44	+3	SW	5	0	4	44	39	0.17	
	Wick	29.41	49	W	4	0	29.43	+0.02	46	43	-4	SSW	3	0	2	52	40	0.02	
	Nairn	29.37	48	SW	2	0	29.43	+0.06	46	42	-2	S	0	0	0	52	37	0.07	
	Aberdeen... ..	29.41	54	NW	3	0	29.47	+0.06	46	42	+3	SSW	3	0	2	56	42	-	
	Leith	29.49	51	WSW	4	0	29.48	+0.01	48	44	+1	S	1	0	*	54	40	0.01	
	Shields	29.53	52	WSW	2	0	29.51	+0.02	45	44	-4	SE	1	0	2	54	43	0.02	
	Spurn Head ...	29.65	52	SW	5	0	29.63	-0.02	50	47	+1	SSW	5	0	2	54	44	-	
	York	29.63	47	W	1	0	29.58	-0.05	50	47	+1	S	3	0	*	55	44	0.08	
	Loughborough	29.69	54	SW	4	0	29.64	-0.05	50	47	+4	S	3	0	*	55	45	-	
GERMANY.	Ardrossan ...	29.50	48	WSW	3	0	29.46	+0.04	46	45	+1	SE	2	0	2	51	43	-	
	Malin Head ...	29.48	46	W	2	0	29.38	-0.10	47	44	+2	SSW	3	0	2	50	40	-	
	Mullaghmore ...	29.52	47	WSW	5	0	29.42	-0.10	46	44	0	SSE	3	0	*	49	44	0.01	
	Belmullet ...	29.54	50	WSW	3	0	29.47	-0.07	46	45	+2	S	3	0	2	54	42	0.02	
	Donaghadee ...	29.58	46	S	5	0	29.50	-0.08	44	43	-2	E	2	0	*	47	42	0.33	
	Barrow-in-Furness	29.63	48	SW	2	0	29.52	-0.11	51	48	+2	S	2	0	2	52	43	0.11	
	Liverpool (Bidston)	29.61	47	SSW	4	0	29.49	-0.12	45	45	0	WSW	4	0	3	48	42	0.51	
	Holyhead ...	29.61	44	SW	1	0	29.41	-0.20	45	44	+1	SE	2	0	*	56	41	0.16	
	Parsonstown ...	29.61	46	WSW	2	0	29.25	-0.36	50	49	+2	SSE	4	0	5	51	43	0.38	
	Valencia	29.64	48	WSW	4	0	29.40	-0.24	48	48	0	SSW	5	0	4	51	45	0.40	
FRANCE & NETHERLANDS.	Pembroke ...	29.61	46	SSW	5	0	29.52	-0.09	46	46	0	S	4	0	5	48	45	0.52	
	Seilly	29.76	52	SW	5	0	29.55	-0.21	52	50	+2	SSW	6	0	6	54	47	-	
	Prawle Point ...	29.82	47	SW	4	0	29.68	-0.14	46	46	0	SSW	3	0	3	52	42	-	
	Jersey	29.89	56	W	3	0	29.73	-0.16	52	48	+4	SSW	3	0	3	57	39	-	
	Hurst Castle ...	29.84	48	SW	5	0	29.72	-0.12	49	47	+2	SW	4	0	2	50	45	-	
	Dungeness ...	29.86	47	WSW	5	0	29.72	-0.14	49	45	+4	WSW	2	0	0	50	43	-	
	London	29.80	54	SW	4	0	29.72	-0.08	53	48	+5	SSW	2	0	*	55	41	-	
	Oxford	29.77	50	SW	4	0	29.69	-0.08	49	47	+2	S	4	0	*	53	44	-	
	Cambridge ...	29.73	55	SW	1	0	29.70	-0.03	52	48	+3	S	2	0	*	56	40	-	
	Yarmouth ...	29.77	54	SW	3	0	29.74	-0.03	49	46	0	SSW	3	0	3	54	42	-	
PENINSULA.	Cuxhaven ...	29.91	46	W	2	0	29.91	-0.04	45	44	-1	S	2	0	*	51	42	0.04	
	Berlin	29.94	58	Z	0	0	29.93	-0.01	55	51	+4	SE	1	0	*	63	46	-	
	Wiesbaden ...	*	*	*	*	*	29.94	-0.04	54	52	+2	NW	1	0	*	66	43	0.08	
	Munich	30.02	54	NE	1	0	30.01	-0.01	57	52	+5	SW	1	0	*	63	45	-	
	The Helder ...	29.81	46	SW	4	0	29.81	-0.05	50	46	+4	S	1	0	2	52	41	-	
	Brussels	*	*	*	*	*	29.82	-0.01	53	48	+5	SE	1	0	*	65	44	-	
	Cape Gris Nez...	29.88	48	SW	5	0	29.74	-0.14	50	47	+3	S	3	0	1	50	43	-	
	Paris	29.93	63	SW	3	0	29.83	-0.10	53	49	+4	E	1	0	*	?	47	-	
	Brest	29.91	51	SW	4	0	29.73	-0.18	48	45	0	S	4	0	4	54	43	-	
	Lorient	29.92	50	S	3	0	29.78	-0.14	46	46	-2	SSE	1	0	2	54	43	-	

WEATHER CHARTS

for 8 a.m. on Monday, 30th April.

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.

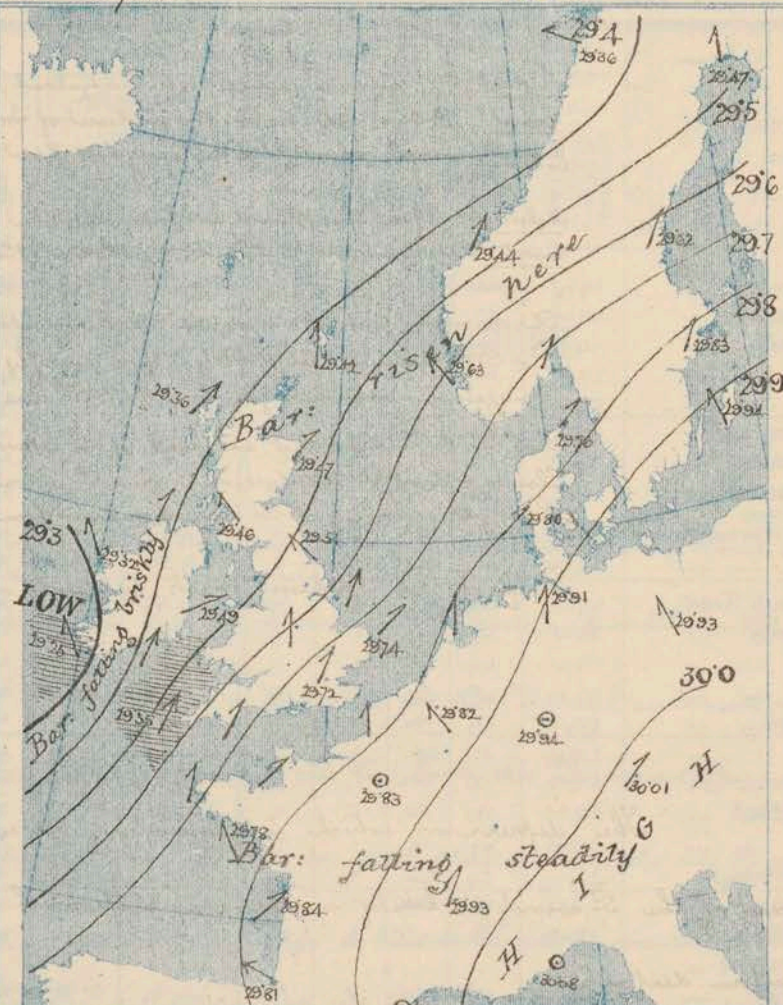
Sea Disturbance — where considerable, is shown thus.

— Rough. — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS	MEAN READINGS
	in.
Sumburgh Head	29.849
Stornoway	29.821
Wick	29.853
Nairn	29.853
Aberdeen	29.862
Leith	29.865
Shields	29.870
York	29.877
Loughborough	29.878
Ardrossan	29.857
Donaghadee	29.853
Holyhead	29.851
Liverpool	29.864
Parsonstown	29.853
Valencia	29.835
Roche's Point	29.838
Pembroke	29.844
Scilly	29.849
Jersey	29.867
Hurst Castle	29.867
Dover	29.868
LONDON	29.877
Oxford	29.882
Cambridge	29.879
Yarmouth	29.876



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.

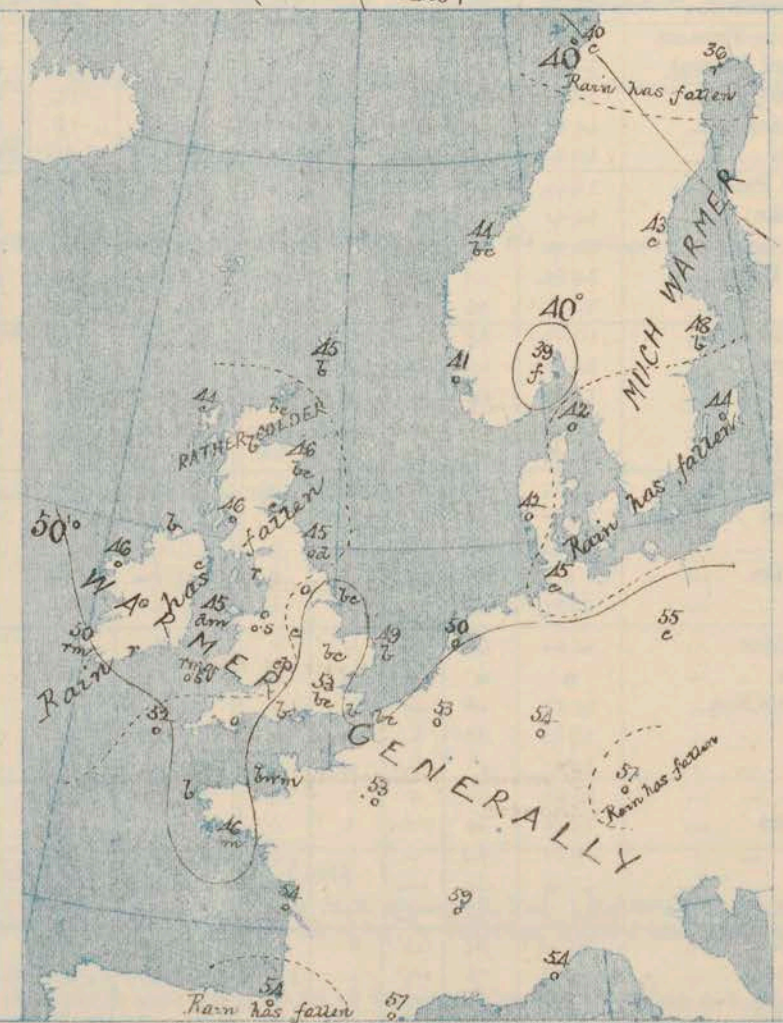
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of April.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	46.3	37.3	41.9	40.5	2.16
Stornoway	49.3	37.5	44.1	42.3	2.51
Wick	49.2	37.4	43.2	41.2	1.68
Nairn	51.5	37.9	43.1	40.6	1.23
Aberdeen	49.6	38.5	43.4	40.9	2.23
Leith	52.6	38.2	44.2	42.1	1.65
Shields	49.2	39.2	43.8	41.7	1.94
York	54.1	37.8	44.1	42.0	1.86
Loughborough	55.7	38.3	45.1	42.6	1.77
Ardrossan	52.1	39.9	44.6	42.2	2.23
Donaghadee	51.3	40.1	44.8	43.2	2.02
Holyhead	51.9	42.4	46.2	44.2	1.86
Liverpool	53.0	40.7	45.5	42.6	1.56
Parsonstown	55.0	38.3	45.7	43.0	2.15
Valencia	54.3	42.9	48.4	45.0	4.01
Roche's Point	54.2	42.4	47.0	44.9	3.43
Pembroke	50.8	42.1	45.6	43.6	2.10
Scilly	52.5	45.0	49.0	47.1	2.45
Jersey	54.6	43.6	49.0	46.4	2.04
Hurst Castle	52.3	41.4	45.9	44.6	1.87
Dover	51.5	42.4	47.1	44.5	1.81
LONDON	55.7	40.0	46.8	43.8	1.88
Oxford	55.1	39.3	45.0	42.7	1.79
Cambridge	56.2	37.7	45.5	43.3	1.76
Yarmouth	49.5	40.4	45.1	43.4	1.80

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.1 in: and upwards, over Switzerland, South Germany, and the southeast of France.</p> <p>Lowest, 29.3 in: and less, over the southwest of Ireland.</p> <p>Gradients moderate generally, but increasing in southeast. Barometer rising in Scotland and Scandinavia, but falling elsewhere—less in the S. of Ireland.</p>
TEMPERATURE	<p>Highest, 59° at Lyons, 57° at Munich and Perpignan, 56° at Dublin, 55° at Berlin, and 54° at Nuremberg, Rochefort, Bismarck, and Kice.</p> <p>Lowest, 36° at Haparanda, 39° at Åland, 40° at Rode, 41° at St. Petersburg and Shagen, 42° at Vano, and 43° at Konicsthal.</p>
WIND	<p>SE^{ly} on many parts of our western coasts and also over the Bay of Biscay.</p> <p>S^{ly} or SW^{ly} elsewhere; light to fresh in force generally.</p> <p>Strong winds or moderate gales from the SW^{ly} were experienced yesterday on many parts of our western and southern coasts.</p>
WEATHER	<p>Fine in the southeast, east, and north of our islands, as well as in the north of France.</p> <p>Cloudy or overcast elsewhere, with rain at several of our western stations.</p> <p>Rain fell yesterday in the western and northern parts of the kingdom, the largest amount being 0.5 in. at Holyhead.</p>
SEA	<p>Rough on our southwest coasts, but slight or smooth elsewhere.</p>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which is approaching our western coasts will probably move northwards. A considerable increase of the S^{ly} wind is likely in the west and north generally, and showery weather may possibly extend to our eastern districts.

FORECASTS

for the 24 hours ending at NOON on 1st MAY 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	S ^{ly} winds, moderate to strong; fair to squally and some rain.	† 6 { SCOTLAND WEST	SE ^{ly} and S ^{ly} winds, increasing in force; squally, some rain.
1 { SCOTLAND EAST	----- D° ----- D° ----- D° -----	† 7 { ENGLAND N. W.	----- D° ----- D° ----- D° -----
2 { ENGLAND N. E.	Same as No 5	† 8 { ENGLAND S. W.	S ^{ly} to SW ^{ly} winds or gales, squally, rainy.
3 { ENGLAND EAST	Same as No 5	† 9 { IRELAND NORTH	----- D° ----- D° ----- D° -----
4 { MIDLAND COUNTIES	Same as No 5	† 10 { IRELAND SOUTH	----- D° ----- D° ----- D° -----
5 { ENGLAND SOUTH	S ^{ly} winds, freshening; squally, some showers.	WARNINGS	The south cone has been lowered this morning in districts 3 and 5, but is still flying in districts 6 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.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.41	41	40	S 4	r f	5	Holyhead ...	29.61	47	47	SW 4	omg f	5
Sumburgh Head ...							Valencia ...						
Stornoway ...	29.27	48	48	W 6	c	5	Scilly ...						
Aberdeen ...							Jersey ...	29.93	56	49	SSW 3	c	3
Shields ...							Dungeness ...	29.87	47	45	WSW 5	c	3
Ardrossan ...							London ...						*
Malin Head ...	29.47	49	46	WNW 3	b	4	Yarmouth ...						
Mullaghmore ...							Rocheport ...	30.02	68	60	Z 0	0	3
Belmullet ...	29.54	49	44	W 5	bc	*							

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

The reports for yesterday morning showed a decided increase of pressure over central and northern Europe, and a still more decided decrease in the Northwest and West; and that at 8 a.m. pressure varied from between 29.7 ins. and 30.2 ins. over France, Germany, Austria, southern Russia and the Mediterranean to 29.1 ins. in the northwest of Norway and off the northern coasts of the British Islands, and to 29.5 ins. at the mouth of the White Sea. SW^{ly} to S^{ly} winds were consequently prevalent over northwestern Europe and the Gulf of Bothnia, and blew strongly in places, with mild, cloudy and slightly showery weather; over Finland and northern Russia the wind was NW^{ly} and light, while over France and central Europe it was very variable, and the weather fine. Temperature was still much below the freezing point over northern Russia, Finland, Lapland and the North of Sweden, but increased steadily in a southwesterly and southerly direction to upwards of 50° at Scilly, and to 60° or more at many of the Mediterranean stations. The highest individual values at 8 a.m. were 68° at Algiers, 62° at Cagliari, 61° at Brindisi, Nice and Trieste, 60° at Cap Breton, 59° at Naples, Sangüinaria, Perpignan and Belfort, 55° at Bordeaux, and 50° at Scilly; the lowest were 19° at Haparanda, 21° at Uleaborg, 23° at Kuopio, 30° at Bodo and Archangel, and 31° at Helsingfors and Hango.

No very decided change occurred later, beyond a lulling of the strong SW^{ly} wind in the northwestern parts of the British Islands.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 22nd TO THE 28th April 1888.

In the course of this period there was a complete change in the character of the weather prevalent over the British Islands and their neighbourhood. The week commenced with high pressure in the North and Northeast and low in the southwest - the gradients being moderate for NE^{ly} winds over the United Kingdom and North Sea. Temperature was low, the weather dull, with cold showers in many places. Between Monday and Wednesday the NE^{ly} wind increased greatly in force, especially in the South, and the general condition over northwestern Europe was quite of a wintery character. On Thursday however, there were indications that a change was at hand; pressure began to give way in the North, while it increased in the South, and on Friday and Saturday large depressions appeared over Norway and our own northwestern coasts, causing W^{ly} winds to spread all over the country with greatly increased temperature and mild showers. Over South Germany also the latter half of the week was marked by very wet unsettled weather, but this was passing off on Saturday.

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 APRIL 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.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 12.)	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.				
2	Stornoway	29.93	46	NW	4	r	29.96	-0.04	40	39	-3	N	6	0	5	49	37	0.05			
-	Helder	29.93	37	WSW	1	c	29.69	-0.24	38	?	+1	WSW	4	0	3	39	37	0.04			
-	Lyons	29.90	51	WSW	1	0	29.90	-0.12	42	-	+2	NW	1	6	4	61	39	-			
-	Corunna	*	*	*	*	*	29.78	+0.01	55	49	+2	NE	1	6	3	59	39	-			
3	Stornoway	-	-	-	-	-	30.09	+0.13	35	35	-5	NE	3	0	3	41	32	0.06			
-	Corunna	*	*	*	*	*	29.71	-0.07	53	51	-2	NNE	5	c	4	63	46	-			
-	Stornoway	-	-	-	-	-	30.05	-	42	40	-	N	6	0	4	-	-	-			
4	Stornoway	29.99	42	N	4	c	29.89	-0.20	37	37	+2	N	7	5	5	42	35	0.05			
-	Brest	29.88	41	ENE	7	0	29.82	+0.07	36	35	-4	NE	1	0	0	48	32	-			
-	Corunna	*	*	*	*	*	?	?	49	42	-4	NNE	7	6c	5	54	41	0.04			
5	Stornoway	-	-	-	-	-	30.19	+0.30	37	37	0	NE	3	0	3	44	34	0.02			
-	Corunna	*	*	*	*	*	29.78	?	45	43	-4	ENE	3	6c	3	52	37	0.39			
6	Stornoway	-	-	-	-	-	30.29	+0.10	38	38	+1	SE	0	0	2	45	30	0.02			
-	Corunna	*	*	*	*	*	29.97	+0.19	47	42	+2	NE	5	6c	4	52	?	-			
7	Stornoway	-	-	-	-	-	30.24	-0.05	44	44	+6	SE	0	0	2	49	38	-			
-	Corunna	*	*	*	*	*	29.82	-0.15	47	42	0	NNE	9	0	7	52	36	-			
-	Stornoway	-	-	-	-	-	30.22	-	48	47	-	SW	2	0	2	-	-	-			
9	Stornoway	-	-	-	-	-	30.11	-0.02	45	45	+1	N	3	r	2	49	39	-			
-	Rocheport	29.96	44	NW	7	0	29.94	-0.05	34	34	-1	ENE	7	5	2	50	28	-			
-	Corunna	*	*	*	*	*	30.08	+0.18	50	46	+2	NE	1	c	4	50	39	-			
10	Stornoway	-	-	-	-	-	30.01	-0.10	47	47	+2	SE	0	r	2	50	41	0.14			
-	Alexant	30.13	43	N	5	c	30.12	+0.09	44	-	+9	NW	5	0	5	45	34	-			
-	Rocheport	30.08	45	NE	5	0	30.15	+0.21	44	41	+10	NW	7	0	3	46	?	0.63			
-	Corunna	*	*	*	*	*	30.33	+0.25	52	46	+2	NE	1	6c	4	52	37	-			
11	Stornoway	29.87	47	N	4	r	29.77	-0.24	41	41	-6	N	7	r	5	50	36	0.32			
-	Corunna	*	*	*	*	*	30.42	+0.09	52	50	0	NNE	1	0	3	54	41	-			
-	Lisbon	30.20	53	NW	7	6	30.26	+0.14	50	42	+3	NNE	5	6	2	61	46	-			
-	Stornoway	-	-	-	-	-	29.76	-	44	43	-	NW	7	r	5	-	-	-			
12	Stornoway	29.78	42	NW	6	6c	29.71	-0.06	41	40	0	SW	1	6c	3	44	34	0.06			
-	Corunna	*	*	*	*	*	30.36	-0.06	55	53	+3	NNE	5	0	5	59	48	0.08			
13	Cuzhaven	29.67	39	SE	3	c	?	?	35	35	-3	S	3	3	4	42	34	-			
14	Corunna	*	*	*	*	*	29.76	-0.46	56	52	+5	NE	3	6	4	61	43	-			
16	Corunna	*	*	*	*	*	30.20	+0.25	55	51	0	NE	1	6	4	61	41	-			
17	Corunna	*	*	*	*	*	30.13	-0.07	59	56	+4	?	5	r	4	64	43	0.04			
18	Corunna	*	*	*	*	*	30.15	+0.02	57	53	-2	SE	5	0	4	59	48	0.12			
-	Mullaghmore	-	-	-	-	-	29.37	-	49	47	-	WSW	4	cp	3	-	-	-			
19	Belfort	30.00	35	W	5	6c	29.83	-0.22	47	-	-3	W	1	0	4	58	44	-			
-	Corunna	*	*	*	*	*	30.13	-0.02	56	53	-1	W	5	6c	4	61	50	0.32			
20	Corunna	*	*	*	*	*	30.22	+0.09	56	52	0	NW	5	6c	5	57	46	0.12			
21	Corunna	*	*	*	*	*	29.95	-0.27	55	54	-1	SSW	5	r	5	?	54	0.47			
23	Corunna	*	*	*	*	*	29.58	+0.04	52	50	-1	SW	8	r	4	59	45	0.57			
24	Perpignan	29.67	67	S	3	6c	29.76	-0.02	59	56	+5	SE	0	0	4	78	50	-			
-	Corunna	*	*	*	*	*	29.71	+0.13	52	49	0	SSW	8	6c	2	59	41	0.12			
25	The Helder	29.95	40	NE	4	0	29.96	+0.05	41	-	-1	NE	3	0	3	43	39	-			
-	Rocheport	29.72	52	NW	7	r	29.67	-0.14	48	-	-3	SE	4	f	0	57	43	0.32			
-	Corunna	*	*	*	*	*	29.65	-0.06	61	50	+9	NNE	5	r	5	59	45	0.04			
27	Corunna	*	*	*	*	*	30.29	+0.27	55	51	-2	NNE	1	6	3	64	43	-			
28	Corunna	*	*	*	*	*	30.19	-0.10	57	-	+2	NNE	1	6	0	63	43	-			
29	Mullaghmore	29.63	50	SW	8	0	29.48	-0.39	46	44	-4	WSW	6	cp	5	54	42	0.15			
30	Mullaghmore	29.52	48	WSW	4	0	29.38	-0.10	47	43	+1	S	4	6c	3	50	41	0.02			

Continued on Page 4.

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

Names of Districts.	Names of Stations.	Mean height of Barometer (at 32° Fahrenheit and Mean Sea Level) from observations made at 8 a.m. ins.	Air Temperature.								Tension of Vapour ins.
			At 8 a.m.	Means of			Absolute Extremes.				
				Minima	Maxima	Min. and Max. combined	Minimum	Date	Maximum	Date	
0. SCOTLAND, N.	{ Sumburgh Head ... Wick ... Stornoway ...	29.834 29.854 29.885	39.5 42.8 43.0	35.0 35.2 38.1	43.5 48.3 47.8	39.3 41.8 43.0	29 25 30	7 th 9 th 6 th	50 55 55	30 th 16 th +28 th 14 th	0.207 2.53 2.73
1. SCOTLAND, E.	{ Nairn ... Aberdeen ... Leith ...	29.860 29.864 29.873	41.1 41.6 43.2	35.3 36.5 36.4	49.4 48.6 50.3	42.4 42.6 43.4	26 30 27	9 th 8 th 9 th	59 60 62	14 th 14 th +16 th 14 th	2.20 2.10 2.21
2. ENGLAND, N.E.	{ Shields ... York ... Spurn Head ...	29.863 29.882 29.867	42.2 42.3 41.7	37.0 36.9 37.4	48.2 50.3 47.0	42.6 43.6 42.2	31 28 31	5 th +7 th 7 th +10 th 10 th	60 61 59	14 th +28 th 14 th 28 th +30 th	2.23 2.20 2.24
3. ENGLAND, E.	{ Yarmouth ... Cambridge ...	29.869 29.891	41.8 42.8	36.9 35.0	46.3 52.7	44.6 43.9	30 28	4 th 6 th	59 66	14 th 15 th	2.22 2.28
4. MIDLAND COUNTIES.	{ Loughborough ... Oxford ...	29.894 29.908	41.5 41.2	36.9 36.8	51.1 50.1	44.0 43.5	25 26	6 th 6 th	64 60	28 th 13 th +28 th +30 th	2.22 2.21
5. ENGLAND, S.	{ London ... Dungeness ... Hurst Castle...	29.894 29.869 29.909	42.9 41.5 41.8	37.6 37.1 39.1	51.5 47.7 48.9	44.6 42.4 44.0	29 26 30	4 th 4 th 6 th	65 56 57	30 th 30 th 13 th	2.18 2.26 2.45
6. SCOTLAND, W.	Ardrossan ...	29.874	43.5	38.1	48.9	43.5	30	9 th	55	18 th	2.40
7. ENGLAND, N.W.	{ *Hawes Junction ... Barrow-in-Furness ... Liverpool Obs ^r (Bidston) ... Holyhead ...	28.620 29.885 29.900 29.900	37.5 41.7 42.8 42.8	33.1 38.2 38.7 39.6	44.3 49.1 49.1 47.9	38.7 43.7 43.9 43.8	25 32 31 35	5 th +6 th 1 st +3 rd +5 th +7 th 3 rd 1 st +6 th +9 th	51 53 60 54	14 th +15 th 15 th +16 th +20 th +25 th 28 th 13 th	2.12 2.28 2.17 2.47
8. ENGLAND, S.W.	{ Pembroke ... Prawle Point ...	29.904 29.919	42.6 43.2	39.5 36.5	47.1 48.5	43.3 42.5	33 29	3 rd +6 th +9 th 4 th +5 th +6 th	52 55	25 th 13 th	2.51 2.49
9. IRELAND, N.	{ Malin Head ... Donaghadee ... Mullaghmore ... Belmullet ...	29.883 29.902 29.910 29.932	43.2 43.8 44.9 44.9	40.1 40.1 40.1 41.5	47.6 49.3 49.8 48.7	43.9 44.7 45.0 45.1	36 34 31 34	3 rd +9 th +22 nd 6 th 1 st 1 st	57 59 60 54	16 th 28 th 14 th 14 th	2.43 2.42 2.50 2.52
10. IRELAND, S.	{ Parsonstown ... Valencia ... Roche's Point ...	29.936 29.963 29.922	42.2 47.1 45.1	36.7 41.5 40.7	51.6 51.3 51.0	44.2 46.4 45.9	23 32 32	9 th 5 th +7 th 1 st +9 th	62 57 57	14 th 11 th 13 th	2.23 2.63 2.48
CHANNEL ISLANDS.	{ Scilly (St. Mary's) ... Jersey (Noirmont) ...	29.917 29.920	46.2 45.2	42.3 40.8	49.0 50.2	45.7 45.5	36 34	5 th 9 th	55 60	16 th +17 th +18 th 24 th	2.65 2.41

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

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

STATIONS in the BRITISH ISLANDS during the Month of APRIL 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.	Calm
%		ins.	in.																	
86	7.5	2.34	0.39	28 th	21	3	0	0	3	14	3	6	5	2	4	2	2	0	2	7
92	6.5	2.78	0.40	15 th	26	4	1	0	5	12	3	4	5	3	1	7	2	3	5	0
98	8.7	3.94	0.50	13 th	25	4	1	0	1	21	8	4	6	2	2	2	6	0	2	6
85	6.1	1.17	0.13	9 th +12 th	21	1	5	0	7	10	2	0	2	3	1	1	6	4	3	10
80	7.4	1.96	0.46	15 th	21	0	0	1	2	12	5	6	5	2	0	3	5	0	9	0
79	6.5	1.09	0.24	19 th	20	2	1	0	5	8	1	1	4	3	2	2	1	10	3	4
84	8.1	1.38	0.23	20 th	21	6	2	0	1	13	2	10	6	0	2	1	4	4	2	1
82	7.5	2.04	0.43	19 th	17	0	0	2	5	18	0	10	4	1	0	5	1	5	4	0
86	6.1	1.59	0.61	19 th	18	2	0	1	3	6	2	5	7	2	0	3	5	4	4	0
84	6.4	1.06	0.17	9 th +15 th	20	6	0	1	3	8	1	3	6	3	2	3	4	3	6	0
83	7.1	1.84	0.69	19 th	17	4	4	0	5	15	0	7	7	0	1	2	7	2	4	0
85	8.2	2.33	0.63	19 th	16 th	5	0	2	2	18	1	4	5	1	1	2	5	6	5	1
86	7.4	1.45	0.23	15 th	16 th	5	1	0	5	16	0	4	7	1	1	1	9	3	3	1
80	7.7	1.86	0.64	23 rd	13	4	4	2	3	16	0	3	6	3	1	0	7	6	4	0
87	7.3	0.86	0.20	22 nd	13	5	1	0	1	9	0	4	5	4	1	0	4	7	4	1
93	6.6	0.87	0.18	15 th	14	2	1	0	6	11	1	3	9	3	0	0	8	6	1	0
84	6.6	1.94	0.65	15 th	14	0	1	0	5	11	2	2	4	4	3	2	3	5	5	2
95	8.8	3.48	0.95	29 th	22	3	0	0	3	25	0	4	8	1	1	6	6	1	3	0
85	6.6	1.42	0.33	20 th	13	0	0	0	7	16	3	4	6	3	3	2	4	1	2	0
79	7.2	1.09	0.28	26 th	17	0	0	0	7	17	1	2	8	2	2	1	8	6	1	0
90	7.1	1.93	0.51	29 th	18	0	0	0	6	15	2	2	8	2	1	4	5	4	3	1
92	6.5	1.29	0.25	29 th	17	0	1	0	8	12	0	2	9	3	1	3	5	3	4	0
89	7.3	1.34	0.36	23 rd	15	4	0	0	2	14	2	2	9	3	0	1	5	6	4	0
87	6.5	1.52	0.22	12 th +19 th	22	0	0	0	8	14	0	6	5	2	2	4	4	3	4	0
84	5.6	1.32	0.37	30 th	15	0	0	0	6	5	3	4	6	4	0	4	3	5	4	0
85	6.4	1.93	0.34	11 th +30 th	16	0	1	0	4	6	14	5	3	5	1	4	5	3	3	1
85	8.1	2.69	0.42	11 th	21	0	0	0	4	21	4	4	3	5	0	2	5	9	2	0
84	7.3	1.61	0.45	17 th	17	0	0	0	4	15	0	3	4	0	1	3	2	3	2	12
82	6.8	2.96	0.81	30 th	17	0	0	0	8	15	3	3	9	1	0	2	3	4	5	3
83	5.4	2.47	0.75	30 th	15	0	0	0	7	7	4	9	6	2	0	1	4	5	3	0
86	8.3	1.36	0.21	4 th	18	0	1	0	2	18	2	2	10	3	0	0	6	4	4	1
81	5.8	2.44	0.66	22 nd	17	1	3	1	6	10	1	2	9	3	0	2	4	7	3	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.		
3	Hernösand ...	-	-	-	-	-	-	-	-	23	-	-	2	-	-	-	-	-	-
-	Ardrrossan ...	29.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
-	Hurst Castle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Cambridge ..	-	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-	-	-
5	Ardrrossan	29.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mullaghmore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	-	-
-	Ardrrossan 2pm	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
6	Jersey 2pm	-	-	-	-	-	-	-	-	40	-	-	-	-	-	-	-	-	-
9	Ardrrossan 2pm	-	-	-	-	-	-	-	-	50	-	-	-	-	-	-	-	-	-
10	Ardrrossan ..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-	-
11	Mullaghmore 2pm	-	-	-	-	-	-	-	-	49	-	-	-	-	-	-	-	-	-
12	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-	-
13	Hurst Castle	-	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	Leith	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06
18	Mullaghmore	-	-	-	-	-	29.33	+0.04	-	-	-	-	-	-	-	-	-	-	-
19	Mullaghmore	-	-	-	-	-	29.61	+0.28	-	-	-	-	-	-	-	-	-	-	-
20	Leith	29.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Mullaghmore	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-
21	Parsonstown	29.79	45	N	2	-	-	-	-	-	-	-	-	-	-	49	-	-	-
-	Roches Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.08
22	Mullaghmore	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	Hernösand ..	30.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	Sumburgh Hd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-	-
-	Hurst Castle	29.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	Mullaghmore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-	-
27	Hurst Castle	30.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	Loughborough	-	-	-	-	-	30.01	-0.09	-	-	-	-	-	-	-	-	-	-	-
30	Pembroke ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.25

SCANDINAVIA.

BRITISH ISLANDS.

GERMANY.

FRANCE & NETHERLANDS.

PENIN-
SULA