

METEOROLOGICAL OFFICE

LONDON.

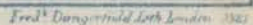
DAILY WEATHER REPORTS.

1ST JANUARY—30TH JUNE.

1887.

January to June, 1887.

January to June, 1887.



DAILY WEATHER REPORT.

for Sunday 1st May

1887.

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

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.																			
STATIONS.		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.		WIND.		Sea. (0 to 9.)	Weather.	SHADE TEMP.		Amount of Rainfall.		
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.			Force (0 to 12.)	Max.		Min.	
SCANDINAVIA.																			
Haparanda ..	29.66	30	Z	0	c	29.63	+ .11	37	35	+ 1	Z	0	b	*	41	30	—		
Hernösand ...	29.73	42	Z	0	c	29.73	— .05	42	36	— 3	N	4	b	*	61	30	—		
Stockholm ...	29.62	41	E	2	r	29.74	— .02	42	39	+ 2	N	6	b	*	45	36	0.17		
Wishby ...	29.65	42	WSW	4	o	29.77	+ .01	42	39	+ 0	WNW	6	b	*	50	32	0.08		
Bodö ...	29.77	36	WSW	4	o	29.58	— .16	39	35	+ 2	SE	4	o	2	?	32	—		
Christiansund...	29.88	40	W	1	o	29.74	— .18	41	36	+ 0	SW	5	c	4	45	36	0.08		
Skudenes ...	29.93	41	NW	6	b	29.99	+ .08	43	40	+ 1	WSW	2	r	3	45	41	—		
Christiania Fjord (Fjorder)	29.76	45	WSW	2	c	29.88	+ .11	43	40	+ 1	Z	0	b	1	45	41	—		
Skagen (The Scaw)	29.79	40	NW	1	b	29.88	+ .13	44	41	+ 3	N	1	b	0	?	37	0.24		
Fanö ...	30.00	39	WNW	4	b	30.03	+ .21	44	41	+ 2	WNW	5	c	*	46	37	—		
BRITISH ISLANDS.																			
Sumburgh Head	30.01	43	W	1	b	29.89	— .17	47	45	+ 9	W	2	o	2	47	36	0.01		
Stornoway ...	30.10	46	W	3	o	30.01	— .14	46	45	+ 1	WSW	4	o	3	49	41	0.02		
Wick ...	30.06	43	NW	1	o	30.00	— .10	48	45	+ 5	NW	2	o	1	49	40	—		
Nairn ...	30.08	45	Z	0	c	30.03	— .10	45	40	+ 4	W	2	b	2	52	35	—		
Aberdeen...	30.10	45	SSE	1	b	30.07	— .05	50	43	+ 9	W	1	b	1	50	35	0.02		
Leith ...	30.13	48	NE	1	c	30.11	— .03	49	44	+ 5	W	1	b	*	50	36	—		
Shields ...	30.14	43	ENE	1	c	30.13	+ .01	40	37	— 5	SW	1	c	2	48	35	—		
Spurn Head ...	30.13	45	NE	2	b	30.16	+ .07	45	42	+ 2	NE	1	b	3	48	36	—		
York ...	30.14	46	E	1	c	30.17	+ .05	46	42	+ 3	SSW	1	b	*	52	29	—		
Loughborough	30.11	48	ENE	2	c	30.18	+ .06	37	36	+ 1	NW	1	cm	*	53	30	—		
Ardrossan ...	30.13	48	SW	1	b	30.13	— .02	47	44	+ 2	Z	0	b	0	50	35	—		
Malin Head ...	30.16	44	N	2	o	30.10	— .05	44	41	+ 0	SSW	2	b	1	47	36	—		
Mullaghmore ...	30.17	47	NNW	3	b	30.16	— .01	44	40	— 1	SSW	2	c	1	53	34	—		
Belmullet ...	30.21	48	NNE	1	b	30.15	— .03	46	44	— 1	WSW	2	o	*	50	38	—		
Donaghadee ...	30.16	46	S	1	o	30.16	— .00	45	41	+ 0	NE	1	b	0	49	35	—		
Barrow-in-Furness	30.12	50	N	2	b	30.16	+ .03	46	44	+ 4	SSE	3	c	*	51	41	—		
Liverpool (Bidston)	30.12	48	NW	2	b	30.16	+ .03	47	42	+ 5	SE	1	b	1	52	37	—		
Holyhead ...	30.14	46	NNE	2	b	30.15	+ .03	47	44	+ 3	NNE	1	b	1	51	41	—		
Parsonstown ...	30.16	50	N	1	b	30.16	+ .08	43	41	+ 0	Z	0	b	*	53	38	0.02		
Valencia ...	30.15	53	N	3	c	30.17	+ .04	49	44	+ 1	NNE	2	b	2	53	38	—		
Roche's Point...	30.12	52	N	1	b	30.15	+ .06	45	42	+ 0	N	2	b	3	52	38	0.01		
Pembroke ...	30.10	46	NNW	2	c	30.12	+ .03	44	43	+ 0	NNE	1	cm	1	48	42	—		
Seilly ...	30.07	47	E	3	c	30.06	+ .06	48	43	— 1	ENE	5	b	3	52	43	0.04		
Prawle Point ...	30.08	45	NE	2	b	30.09	+ .04	43	40	— 1	ENE	5	o	4	50	39	—		
Jersey ...	29.99	46	ENE	4	b	29.99	+ .01	47	45	+ 0	ENE	4	cm	4	49	45	—		
Hurst Castle ...	30.06	46	ESE	2	c	30.11	+ .05	43	42	— 1	E	4	c	2	50	37	—		
Dungeness ...	30.04	46	E	5	c	30.09	+ .08	46	43	+ 2	ENE	5	b	4	50	43	—		
London ...	30.08	47	NE	3	o	30.13	+ .06	45	41	+ 1	ENE	2	b	*	53	36	—		
Oxford ...	30.11	44	NE	3	b	30.16	+ .05	44	41	+ 1	ENE	1	b	*	52	32	—		
Cambridge ...	30.10	47	NE	2	b	30.17	+ .06	45	42	+ 1	E	1	b	*	55	28	—		
Yarmouth ...	30.09	45	NE	4	b	30.14	+ .09	45	42	+ 0	NE	3	b	3	48	40	—		
Cuxhaven ...	30.02	42	NW	4	o	30.09	+ .22	43	41	— 3	NNW	4	c	*	?	42	—		
Berlin ...	29.95	47	NW	3	r	30.09	+ .19	44	41	— 14	NW	3	c	*	63	46	0.28		
Wiesbaden ...	*	*	*	*	*	30.08	+ .11	48	46	— 5	NE	2	o	*	57	45	0.47		
Munich ...	29.97	58	SW	3	o	30.01	— .04	57	54	+ 1	NW	1	b	*	68	48	0.20		
GERMANY.																			
The Helder ...	30.11	43	N	1	b	30.15	+ .12	44	40	+ 0	N	1	b	2	46	39	—		
Brussels ...	*	*	*	*	*	30.08	+ .06	42	40	— 1	ENE	7	c	*	?	39	—		
Cape Gris Nez...	30.02	42	ENE	8	c	30.08	+ .06	44	42	+ 1	E	7	c	5	48	41	—		
Paris ...	29.96	46	NE	4	o	29.99	+ .03	44	44	+ 2	NNE	3	o	*	47	?	0.05		
Brest ...	30.00	49	E	5	b	29.99	— .00	44	43	+ 2	NE	5	o	2	41	39	—		
Lorient ...	29.94	49	NE	5	o	29.94	+ .02	46	43	+ 0	NE	4	o	2	52	43	—		
Rochefort ...	29.90	63	NE	4	c	29.89	— .04	54	54	— 1	E	5	o	2	66	50	0.43		
Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	—	
Lyons ...	29.89	66	S	4	b	29.96	— .02	52	50	— 6	NNW	1	o	*	72	49	0.08		
Nice ...	30.01	59	SSW	3	b	30.03	— .10	58	52	+ 1	Z	0	b	6	66	48	—		
Perpignan ...	29.95	56	NE	3	o	29.95	— .05	56	55	+ 0	ENE	3	o	*	70	55	—		
Biarritz ...	29.82	56	W	11	c	29.79	— .03	55	55	— 4	SE	4	cm	?	77	54	0.58		
Coranna ...	*	*	*	*	*	29.76	— .20	59	57	+ 4	NE	3	b	3	61	50	—		
Lisbon ...	29.79	59	WSW	5	b	29.71	— .13	57	55	+ 0	S	5	c	2	64	57	—		
FRANCE & NETHERLANDS.																			
PENIN. SULA.																			

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Sunday 1st May

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Iso-bars 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 —

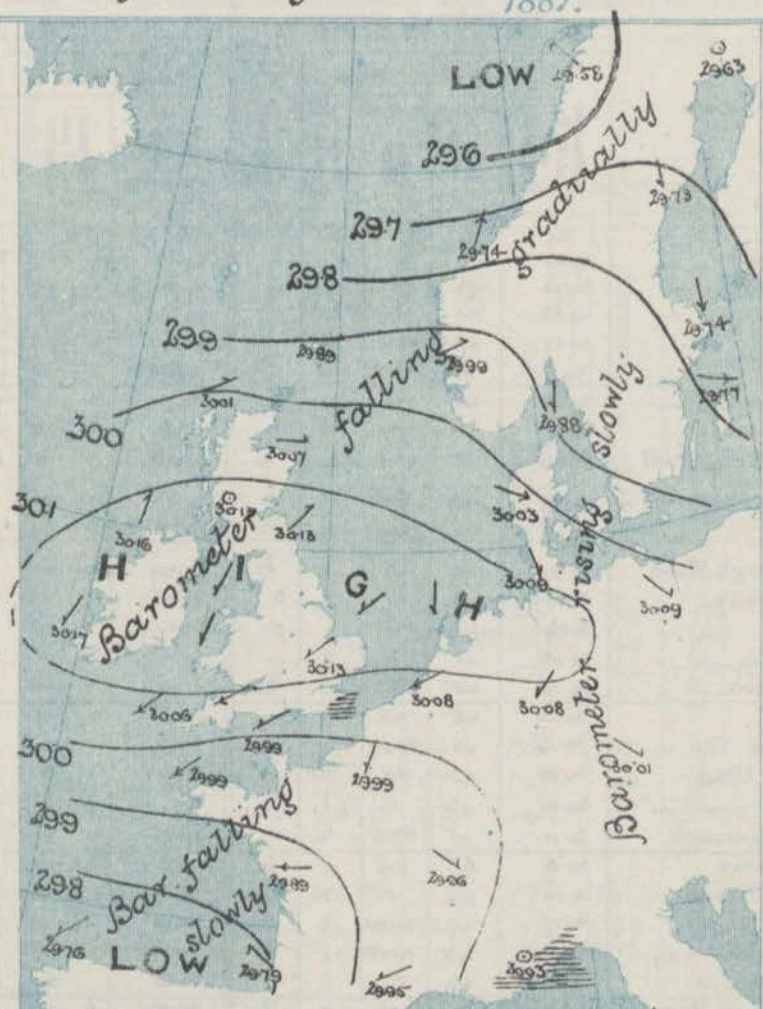
→ = forces above 10; →→ = forces 8 to 10;
 →→ = forces 5 to 7; → = forces 1 to 4;
 ⊙ = dead calm.

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.596
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	29.989
Selly	30.011
Harst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 ins: and upwards, in an anticyclonic band extending over Ireland, England, and the Netherlands.
Lowest, 29.6 ins: and less, in a depression lying over the NW. of Norway, but low, 29.8 ins: and less, in a large area lying over Spain.

TEMPERATURE

Highest, 59° at Bordeaux, 58° at Nice, 57° at Munich and Lisbon, and 56° at Perpignan.
Lowest, 37° at Haparanda and Loughborough, 39° at Bodø, 40° at Shields, and 41° at Christiansund.
Frost occurred last night over Central England.

WIND

Light W. or SW. in the north of our Islands and west of Norway, strong N. or NW. in Sweden.
Fresh E. and NE over the Channel and Bay of Biscay.
Light and variable in the south of France.

WEATHER

Bull in France, the north of Scotland and the west of Norway, with rain at Skudsmo.
Fair or fine elsewhere, but hazy at some of the English stations.
Thunderstorms have occurred in the southwest of France and also at Valencia.

SEA

Moderate in the English Channel, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which had reached Sweden yesterday morning has travelled away over Northern Russia, but a new disturbance has appeared over the northwest of Norway.

The latter system is causing a fall of the barometer at all our more northern stations, while another depression over Spain is occasioning a separate fall over the Bay of Biscay and our extreme southwest coasts.

FORECASTS ^{24 May.}

for the 24 hours ending at NOON on

1887.

DISTRICTS.

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

FORECASTS.

NONE ISSUED

DISTRICTS.



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

WARNINGS

FORECASTS.

NONE ISSUED.

NONE ISSUED.

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 ...	29.91	45	41	NNW 7	c	4	Holyhead ...	30.14	50	43	ENE 2	b	1
Sumburgh Head ...	30.05	41	37	NNW 1	c	2	Valencia ...	30.14	55	47	N 3	ben	3
Stornoway ...	30.19	47	43	NNW 5	c	4	Scilly ...	30.06	45	44	E 2	r	3
Aberdeen ...	30.11	46	42	N 4	bc	2	Dungeness ...	30.01	49	45	E 5	bc	4
Shields ...	30.15	46	41	NE 2	c	3	London ...	30.05	52	46	NE 2	a	*
Ardrossan ...	30.14	50	45	SW 1	c	0	Yarmouth ...	30.08	47	45	NE 4	b	3
Malin Head ...	30.16	47	43	N 2	o	2	Jersey ...	29.98	49	46	ENE 4	c	4
Mullaghmore ...	30.17	51	45	NW 3	bv	2	Rochefort ...	29.90	57	57	ENE 4	r	2
Belmullet ...	30.21	50	45	NNE 2	b	*							

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

Yesterday morning's reports showed two high-pressure areas, one (in which the maximum readings exceeded 30.2 in.) lying over Southern Russia, the Balkan Peninsula and Italy, the other (in which readings exceeded 30.1 in.) lying over the NW parts of the British Isles. These two systems were united by a "col" which lay over Germany and the east and north of France, and while pressure decreased in a northerly direction to about 29.5 in. over Finland, it decreased in a southerly direction also to about 29.8 in. over Central Spain. Moderate N² and NE winds with fair cold weather were prevalent over the greater part of the United Kingdom, and moderate to fresh NE winds, with cold showers in the Channel, and Bay of Biscay. To the eastward of the North Sea the wind was N², while on the eastern shores of the Baltic it was S² and SE¹, and the weather more or less showery. Temperature had risen over Algeria and the south-eastern part of the Mediterranean, but was low over NW Europe generally - the readings varied from more than 77° over N Algeria to between 40° and 43° over the United Kingdom, and to very little above the freezing point over Northern Europe. The highest individual values were 78° at Algiers (the Palma report was not in), 68° at Bilbao, 64° at San Fernando, 63° at Benidris, Cagliari and Trieste, and 57° even as far north as Warsaw and Riga; the lowest were 36° at Haparanda, 37° at Rode and Kuopio, 38° at Sumburgh Head, 41° at Uleaborg, Kiruna and Abisko.

During the day the weather over the British Isles remained dry, but very unreasonable, while in the southwest of France thunderstorms occurred very generally.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Monday 2nd May 1887.

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

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STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
	Inch.	°				Inch.	Inch.	°	°	°					°	°	Inch.	
SCANDINAVIA.																		
Haparanda ..	29.54	30	SW	2	b	29.60	- 0.3	42	38	+ 5	N	0	e	*	43	27	-	
Hernösand ...	29.72	40	SW	0	c	29.85	+ 1.2	43	36	+ 1	NNW	5	bc	*	52	36	-	
Stockholm ...	29.82	44	SW	2	bc	29.87	+ 1.3	45	43	+ 3	W	2	bc	*	52	34	-	
Wishby ...	29.84	42	SSW	4	b	29.89	+ 1.2	42	40	0	W	4	b	*	54	36	-	
Bodö ...	29.58	38	W	6	c	29.76	+ 1.8	34	32	- 5	W	4	c	2	43	32	-	
Christiansund...	29.83	40	W	6	c	29.90	+ 1.6	42	38	+ 1	ESE	2	bc	1	43	34	0.08	
Skudesnaes ...	29.95	44	W	2	0	29.93	- 0.6	46	44	+ 3	WSW	2	0	3	48	43	-	
Christiania Fjord (Færd)	29.86	45	WSW	2	b	29.91	+ 0.3	45	41	+ 2	NW	2	b	2	46	43	-	
Skagen (The Seaw)	29.89	42	NW	1	b	29.91	+ 0.3	43	42	- 1	W	1	0	1	48	37	-	
Fanø ...	30.04	?	WSW	2	b	29.96	- 0.7	41	40	- 3	SE	2	b	*	48	32	-	
BRITISH ISLANDS.																		
Sumburgh Head	29.91	47	W	2	c	29.84	- 0.5	45	43	- 2	SSE	1	0	1	52	41	0.03	
Stornoway ...	29.89	48	SSW	4	c	29.77	- 2.4	45	44	- 1	SSE	2	op	2	50	42	0.08	
Wick ...	29.90	46	E	1	c	29.80	- 2.0	47	45	- 1	SW	1	b	0	52	38	0.10	
Nairn ...	29.89	52	W	1	c	29.79	- 2.4	44	41	- 1	W	0	b	0	54	38	-	
Aberdeen...	29.94	50	S	4	b	29.83	- 2.4	45	42	- 2	SSW	3	b	1	54	32	-	
Leith ...	29.94	50	W	1	b	29.82	- 2.9	47	42	- 2	SE	1	b	*	57	29	-	
Shields ...	30.00	43	SSE	3	c	29.85	- 2.8	42	39	+ 2	ESE	1	c	2	50	35	-	
Spurn Head ...	30.04	44	ESE	3	b	29.80	- 3.6	45	43	0	E	4	c	3	48	40	-	
York ...	30.03	49	SE	1	bc	29.83	- 3.4	43	40	- 3	NE	1	bc	*	57	32	-	
Loughborough	30.01	50	ESE	3	bc	29.76	- 4.2	41	40	+ 4	ESE	3	0	*	56	35	-	
Ardrossan ...	29.97	48	WSW	3	b	29.81	- 3.2	45	42	- 2	ESE	2	om	1	50	38	-	
Malin Head ...	29.91	48	SW	2	og	29.74	- 3.6	46	45	+ 2	S	2	bc	1	51	43	0.04	
Mullaghmore ...	29.97	48	SSW	3	0	29.74	- 4.2	47	43	+ 3	SSE	3	bc	2	49	42	-	
Belmullet ...	29.99	49	SSW	3	0	29.72	- 4.3	46	45	0	S	2	0	*	51	45	0.11	
Donaghadee ...	29.99	48	SSW	3	bc	29.79	- 3.7	47	45	+ 2	SSE	3	bc	1	49	40	-	
Barrow-in-Furness	30.01	50	NW	2	b	29.82	- 3.4	44	39	- 4	ESE	4	bc	*	52	37	-	
Liverpool (Bidston)	29.99	49	NNE	3	bc	29.78	- 3.8	41	37	- 6	E	2	om	2	54	38	-	
Holyhead ...	30.02	47	N	3	b	29.77	- 3.8	41	39	- 6	ESE	3	0	2	50	41	-	
Parsonstown ...	29.99	50	NW	1	bc	29.75	- 4.1	44	42	+ 1	NW	1	bc	*	55	32	-	
Valencia ...	30.01	50	NW	3	bc	29.75	- 4.2	50	46	+ 1	N	0	cv	1	58	43	-	
Roche's Point...	29.99	49	ESE	2	c	29.73	- 4.2	46	45	+ 3	ESE	1	b	3	51	37	-	
Pembroke ...	29.96	46	N	3	c	29.70	- 4.2	39	39	- 5	NNE	3	rg	2	49	39	0.03	
Scilly ...	29.92	48	NE	5	0	29.63	- 4.3	46	44	- 2	NNE	5	ou	4	50	44	0.04	
Prawle Point ...	29.88	46	ESE	5	0	29.62	- 4.7	41	41	- 2	NE	4	or	4	51	39	0.23	
Jersey ...	29.75	46	ESE	2	0	29.57	- 4.2	49	49	+ 2	ESE	2	m	2	58	45	0.37	
Hurst Castle ...	29.91	44	ESE	5	c	29.60	- 5.7	45	44	+ 2	ESE	5	opm	3	52	42	0.03	
Dungeness ...	29.92	46	ESE	5	c	29.57	- 5.2	44	44	- 2	ESE	4	r	4	50	44	0.39	
London ...	29.98	46	NE	3	c	29.65	- 4.8	43	43	- 2	ESE	2	r	*	52	42	0.13	
Oxford ...	29.93	46	ESE	3	c	29.68	- 4.8	42	40	- 2	NE	3	ogd	*	53	39	-	
Cambridge ...	30.00	45	E	2	c	29.70	- 4.7	44	43	- 1	ESE	2	r	*	54	38	0.01	
Yarmouth ...	30.05	45	ESE	4	b	29.71	- 4.3	45	43	0	ESE	6	c	5	48	41	-	
Cuxhaven ...	30.12	44	N	3	b	29.94	- 1.5	44	42	+ 1	E	4	c	*	45	42	-	
Berlin ...	30.05	51	NW	2	b	29.94	- 1.5	48	36	+ 4	E	3	0	*	57	41	-	
Wiesbaden ...	*	*	*	*	*	29.75	- 3.3	53	51	+ 5	N	0	0	*	54	48	0.20	
Munich ...	29.98	55	NE	1	0	29.80	- 2.1	57	55	0	SE	4	c	*	66	48	0.16	
GERMANY.																		
The Helder ...	30.02	46	ESE	4	b	29.75	- 4.0	44	42	0	E	4	c	3	48	41	-	
Brussels ...	*	*	*	*	*	29.61	- 4.7	47	46	+ 5	E	1	0	*	67	?	0.16	
Cape Gris Nez...	29.90	45	ESE	8	bc	29.57	- 5.1	46	44	+ 2	ESE	7	r	5	50	43	0.39	
Paris ...	29.81	56	ESE	3	0	29.63	- 3.6	56	55	+ 12	SSW	3	0	*	57	?	0.08	
Brest ...	29.79	47	ESE	7	0	29.58	- 4.1	45	44	+ 1	NE	1	f	2	57	39	0.04	
FRANCE & NETHERLANDS.																		
Lorient ...																		
Rochefort ...	29.68	46	SE	4	c	29.70	- 1.9	55	53	+ 1	SW	5	0	2	75	54	-	
Belfort ...	29.82	57	E	3	c	29.77	- 1.2	56	50		E	1	b	*	60	42	-	
Lyons ...	29.76	68	SE	1	0	29.72	- 2.4	63	55	+ 11	SE	1	e	*	75	?	-	
Nice ...	29.93	55	E	4	0	29.88	- 1.5	56	55	- 2	SW	1	e	4	66	50	-	
Perpignan ...	29.79	58	E	1	0	29.81	- 1.4	59	58	+ 3	E	1	0	*	61	55	-	
Biarritz ...	29.95	61	WSW	5	b	29.71	- 0.8	61	55	+ 6	NW	1	bc	0	77	52	0.04	
PENIN- SULA.																		
Corunna ...	*	*	*	*	*	29.57	- 1.9	54	53	- 5	S	5	0	5	70	50	0.39	
Lisbon ...	29.82	58	SW	7	bc	29.80	+ 0.9	58	51	+ 1	SW	8	b	6	63	54	0.04	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Monday, 2nd May, 1887

BAROMETER, WIND & SEA.

(Explanation of Map)

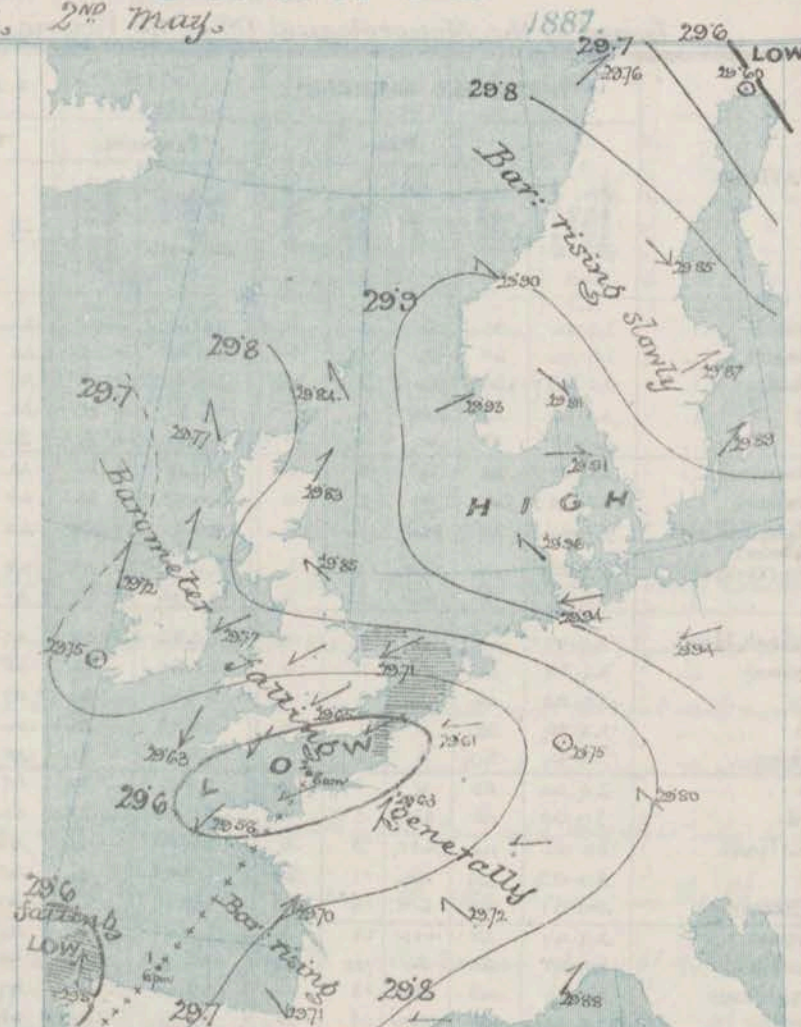
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevailing winds. They fly with the wind and their barbs and feathers refer to force, thus —
 — force above 10; — force 8 to 10;
 — force 5 to 7; — force 1 to 4;
 ○ — dead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

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

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of May.
 During the 10 years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.898
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.938
Leith	29.955
Shields	29.963
York	29.981
Ardrossan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	29.989
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	A.T. 8 a.m.	Wind	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.54
Wick	53.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	46.0	1.67
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	56.6	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	46.3	51.7	48.6	3.06
Pembroke	56.6	45.8	49.9	47.3	1.97
Scilly	56.3	45.4	52.6	50.1	1.86
Hurst Castle	58.0	45.2	51.2	49.9	1.70
Dover	56.3	46.4	52.5	49.0	1.77
LONDON	61.5	43.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.0	41.8	50.7	47.6	1.70
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 29.9 ins. and upwards, over Denmark, North Germany, and the south of Scandinavia. Lowest, 29.6 ins. and less, in an elongated depression stretching from WSW to ENE. over the Channel and N. of France, and also in other disturbances lying respectively over the NW. of Spain and Lapland.
TEMPERATURE	Highest, 63° at Lyons, 61° at Biarritz, 59° at Perpignan, 58° at Lisbon, and 57° at Munich. Lowest, 34° at Bodo, 33° at Pembroke, and 41° at Skagen, Holyhead, Lismore and Howe Point.
WIND	Fresh NE ² in the south of England; variable or SW ² in France; strong to a gale from SW. at Lisbon. Light S ¹ in Scotland and the north of Ireland; moderate W. or NW. in Scandinavia.
WEATHER	Rainy in the south of England and dull in Germany and the N. of Scotland as well as at some of the French stations. Fine over the greater part of Ireland, Scotland and Scandinavia. Thunderstorms occurred in the southwest of France yesterday, and lunar halo was seen in the evening at Exeter and in London.
SEA	Rough at Lisbon, and rather rough at Yarmouth, C. of W., and Genoa, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The elongated depression to the southward of our Islands seems likely to extend slowly northwards and the rainy weather in the south is therefore likely to become more general.

As a new disturbance is apparently advancing from the SWnd to the northwest off-shore no permanent improvement is likely over our southern districts.

FORECASTS

for the 24 hours ending at NOON on 3rd May

1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SE ² to E ² winds, moderate; fair to unsettled and some rain.	6 SCOTLAND WEST	E ² winds, light; dull, some rain.
7 SCOTLAND EAST	D ⁰ D ⁰ D ⁰	7 ENGLAND N. W.	Same as No. 2.
2 ENGLAND N. E.	E ² winds, freshening; fair to unsettled and some rain.	8 ENGLAND S. W.	NE ² winds, freshening; dull, rain at times.
3 ENGLAND EAST	Same as No. 5	9 IRELAND NORTH	SE ² and E ² winds, moderate; fair to unsettled and some rain.
4 MIDLAND COUNTIES	Same as No. 5	10 IRELAND SOUTH	D ⁰ D ⁰ D ⁰
5 ENGLAND SOUTH	E ² and NE ² winds, fresh or strong; 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 ...	29.97	48	45	W/W 4	0	3	Holyhead ...						
Sumburgh Head							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						*
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rochefort ...	29.81	69	64	E 5	c	2
Belmullet ...													

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

Yesterday morning's reports showed that pressure was highest (30.3 ins and more) over the south of Russia and the Black Sea, and also (30.1 ins to 30.2 ins) over Ireland and England. To the northward it decreased to about 29.5 ins over the south of Finland, while in a northerly direction it decreased to about 29.7 ins over Spain. Thus while SW to NW winds prevailed over the Baltic and blew hard in some places, light W winds were felt in the north of our islands, and moderate NE in the south. The weather over the United Kingdom was fair and cold, but over the Baltic and France it was showery, and in the south-western Department thunderstorms were reported. Temperature was much below the mean over the whole of North-western Europe; the morning readings varied from upwards of 70° over the south-western parts of the Mediterranean to between 40° and 50° over North-western Europe and to nearly the freezing point over Finland and Lapland. The highest individual values were 74° at Niska and 72° at Tunis, 70° at Palma, 66° at Cagliari, 63° at Brindisi and Palermo, 63° at Bilbao, Barcelona, Legona and Trieste, 61° at Pesaro and 60° at Livorno; even at Moscow it had risen to 57°; lowest 33° at Kusko, 38° at Haparanda and 39° at Rödö.

Later in the day the low-pressure system over Spain began to move north-eastwards; the sky assumed a very unsettled appearance over London, but the wind remained E at our southern stations and the air was raw and cold.

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

FROM THE 24TH TO THE 30TH APRIL 1887.

The weather experienced over the British Islands and their neighbourhood during this week was much less settled than that of several weeks previously. The dominant systems have been cyclonic, but after the middle of the week the type changed very decidedly.

On Sunday, 24th, pressure varied from 30.0 ins and more over Finland, and from 29.9 ins and more over Portugal and the adjacent parts of the Atlantic, to 29.0 ins off the north of Scotland. In this region there was a small depression, which, with a large hollow separated the two high-pressure areas just mentioned. Thus cold N and NE winds prevailed at the western stations, and S (SW to SE) winds in the east and south-east with higher temperatures; the weather was rather showery generally. The depression in the north now moved slowly away to the northward, but a passing disturbance which appeared over the south-west of Ireland early on Tuesday (26th), and a yet smaller one which passed over our south-western and midland counties on the 27th, caused a recurrence of the showers over the whole of Ireland and England.

The 28th (Thursday) was finer, but a new order of things then commenced;—for while the barometer rose decidedly in the north, it fell over the Bay of Biscay and a complex distribution of pressure (of slight intensity) was established. Two high-pressure areas appeared—one off our northern coasts, the other over the south-east of France, while between these lay a band of relatively low pressure, having two minima—one over Spain and the other over our southern districts and the Netherlands. Showery unsettled weather continued except in the north-west, and thunderstorms occurred in places; but as the northern high-pressure area increased in strength and spread southwards, the weather became drier and colder over the United Kingdom, and a Col united the two high-pressure systems.

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 May

1887.

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

Issued by the Meteorological Office, 16, Victoria Street, London, W. H. 35011, 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 ...	29.81	35	N	2	bc	29.86	+ .26	39	35	- 3	S	2	c	*	48	25	-	
Hernösand ...	29.94	38	Z	0	b	29.87	+ .02	40	37	- 3	Z	0	o	*	55	34	-	
Stockholm ...	29.95	40	SE	2	b	29.88	+ .01	47	44	+ 2	SE	2	b	*	57	36	-	
Wisby ...	29.89	41	SSW	2	b	29.68	- .01	46	42	+ 4	SE	4	b	*	55	32	-	
Bodö ...	29.84	36	W	4	o	29.60	- .16	39	36	+ 5	WSW	6	r	3	?	32	0.08	
Christiansund...	29.80	43	W	2	o	29.70	- .20	45	42	+ 3	WSW	2	c	3	50	39	-	
Skudesnaes ...	29.84	44	NW	4	c	29.72	- .21	45	42	- 1	SSW	2	o	3	?	45	-	
Christiania Fjord (Fjorder)	29.87	44	S	4	b	29.78	- .13	42	39	- 3	NW	2	o	1	52	41	-	
Skagen (The Scaw)	29.86	42	SE	0	b	29.75	- .16	44	42	+ 1	E	1	o	0	52	39	-	
Faou ...	29.76	46	E	4	c	29.58	- .38	45	45	+ 4	ESE	4	m	*	54	41	-	
BRITISH ISLANDS.																		
Sumburgh Head	29.80	46	SSW	1	bc	29.70	- .14	45	40	0	Z	0	b	0	50	36	-	
Stornoway ...	29.78	48	SSW	1	c	29.69	- .08	50	47	+ 5	Z	0	c	0	52	38	-	
Wick ...	29.76	47	S	4	c	29.74	- .06	46	43	- 1	S	3	b	1	54	41	-	
Nairn ...	29.73	50	Z	0	c	29.67	- .12	46	43	+ 2	WSW	1	b	1	56	32	-	
Aberdeen...	29.81	44	SSE	4	c	29.69	- .14	43	41	- 5	SW	1	c	1	50	34	-	
Leith ...	29.77	48	SE	1	b	29.69	- .13	45	43	- 2	NE	1	c	*	53	40	-	
Shields ...	29.76	44	E	2	o	29.64	- .21	41	40	- 1	NNE	4	r	4	47	39	0.10	
Spurn Head ...	29.66	43	ESE	5	r	29.56	- .24	46	45	+ 1	WSW	2	cq	4	46	42	0.12	
York ...	29.69	46	ESE	2	o	29.60	- .23	43	43	0	N	1	r	*	52	41	0.23	
Loughborough	29.64	45	ESE	3	r	29.59	- .17	45	45	+ 4	ESE	1	r	*	51	41	0.12	
Ardrossan ...	29.72	52	ESE	1	om	29.69	- .12	46	43	+ 1	ESE	2	o	1	55	39	-	
Malin Head ...	29.72	48	E	3	o	29.69	- .05	45	44	- 1	SW	1	om	0	51	43	-	
Mullaghmore ...	29.72	49	WSW	1	ogm	29.72	- .02	48	45	+ 1	N	2	b	1	54	39	-	
Belmullet ...	29.73	50	NNE	2	b	29.75	+ .03	49	46	+ 3	NW	2	c	*	51	45	-	
Donaghadee ...	29.74	46	N	1	r	29.69	- .10	45	44	- 2	NE	3	c	1	49	41	0.01	
GERMANY.																		
Barrow-in-Furness	29.67	49	NE	3	o	29.62	- .20	42	41	0	NE	2	c	*	54	40	0.12	
Liverpool (Bidston)	29.63	49	ESE	4	c	29.60	- .18	42	41	+ 1	NE	1	om	2	51	40	0.23	
Holyhead ...	29.65	45	NNE	5	rm	29.63	- .14	43	42	+ 2	NE	4	ogm	4	46	41	0.10	
Parsonstown ...	29.70	46	NE	2	c	29.70	- .05	47	44	+ 3	NW	1	c	*	53	41	-	
Valencia ...	29.69	52	NW	3	bc	29.73	- .02	49	45	- 1	N	2	cm	2	55	44	-	
Roche's Point...	29.65	47	ESE	3	cm	29.65	- .08	47	43	- 1	NNE	4	cm	3	50	40	-	
Pembroke ...	29.55	43	NE	3	r	29.56	- .14	43	43	+ 4	NE	4	op	2	44	38	0.31	
Scilly ...	29.52	45	N	4	o	29.56	- .07	47	46	+ 1	N	4	o	4	47	43	0.16	
Prawle Point ...	29.51	46	ESE	3	f	29.56	- .06	48	47	+ 7	WSW	2	b	2	49	39	0.26	
Jersey ...	29.51	56	SW	2	bm	29.55	- .02	52	50	+ 3	NNE	2	bc	2	57	45	0.06	
FRANCE & NETHERLANDS.																		
Hurst Castle ...	29.53	47	ESE	4	omp	29.59	- .01	47	41	+ 2	SSW	2	mp	2	50	44	0.11	
Dungeness ...	29.55	48	ESE	3	c	29.60	+ .03	46	45	+ 2	E	2	m	1	49	43	0.05	
London ...	29.57	46	NE	2	og	29.59	- .06	47	46	+ 4	E	1	ofr	*	47	44	0.03	
Oxford ...	29.59	44	ESE	2	o	29.57	- .11	47	46	+ 5	SSW	2	o	*	49	42	0.12	
Cambridge ...	29.62	45	E	1	r	29.58	- .12	49	48	+ 5	S	1	r	*	49	43	0.11	
Yarmouth ...	29.60	45	ESE	4	omd	29.60	- .11	47	46	+ 2	W	2	cm	3	49	42	0.13	
Cuxhaven ...	29.73	45	E	4	r	29.61	- .33	52	51	+ 8	SSW	2	f	*	52	44	0.04	
Berlin ...	29.76	51	E	3	o	29.68	- .26	53	51	+ 5	S	1	bc	*	57	48	-	
Wiesbaden ...	*	*	*	*	*	29.68	- .07	60	56	+ 7	E	1	o	*	66	?	0.24	
Munich ...	29.75	60	NE	2	bc	29.77	- .03	60	55	+ 3	SE	1	b	*	72	52	-	
PENINSULA.																		
The Helder ...	29.59	49	E	1	o	29.60	- .15	45	45	+ 1	SW	1	f	1	50	?	-	
Brussels ...	*	*	*	*	*	29.64	+ .03	58	55	+ 11	WSW	1	bc	*	59	?	-	
Cape Gris Nez...	29.62	46	ESE	5	f	29.58	+ .01	46	46	0	Z	0	m	3	52	41	0.16	
Paris ...	29.59	65	SW	3	bc	29.67	+ .04	56	54	0	S	1	b	*	70	48	-	
Brest ...	29.53	51	S	5	o	29.57	- .01	46	44	+ 1	ESE	1	bc	2	57	39	-	
Lorient ...	29.57	52	SW	4	o	29.58	- .01	50	49	0	NW	3	o	2	55	46	-	
Rochefort ...	29.62	61	E	3	bc	29.69	- .01	55	54	0	SW	4	b	2	66	50	-	
Belfort ...	29.66	73	W	1	bc	29.76	- .01	63	56	+ 7	W	1	bc	*	78	54	-	
Lyons ...	29.60	69	S	4	o	29.73	+ .01	61	56	- 2	ESE	1	b	*	77	56	-	
Nice ...	29.54	59	Z	0	o	29.81	- .07	60	55	+ 4	Z	0	o	4	68	54	-	
Perpignan ...	29.65	59	N	1	o	29.73	- .08	56	55	- 3	Z	0	o	*	65	54	-	
Biarritz ...	29.58	68	SW	3	c	29.66	- .05	62	51	+ 1	SSW	4	b	1	68	55	-	
Corunna ...	*	*	*	*	*	29.74	+ .17	53	51	- 1	SSW	3	r	3	61	48	0.43	
Lisbon ...	29.74	59	SW	8	c	29.76	- .04	54	51	- 4	Z	0	o	2	63	52	0.24	

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

WEATHER CHARTS

for 8 a.m. on *Tuesday, 3rd May,*

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isobars are drawn for each tenth of an inch.

Changes since previous morning are stated in words.

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

→ = forces above 10; →→ = forces 8 to 10;
→→ = forces 5 to 7; →→ = forces 1 to 4;

○ = dead calm.

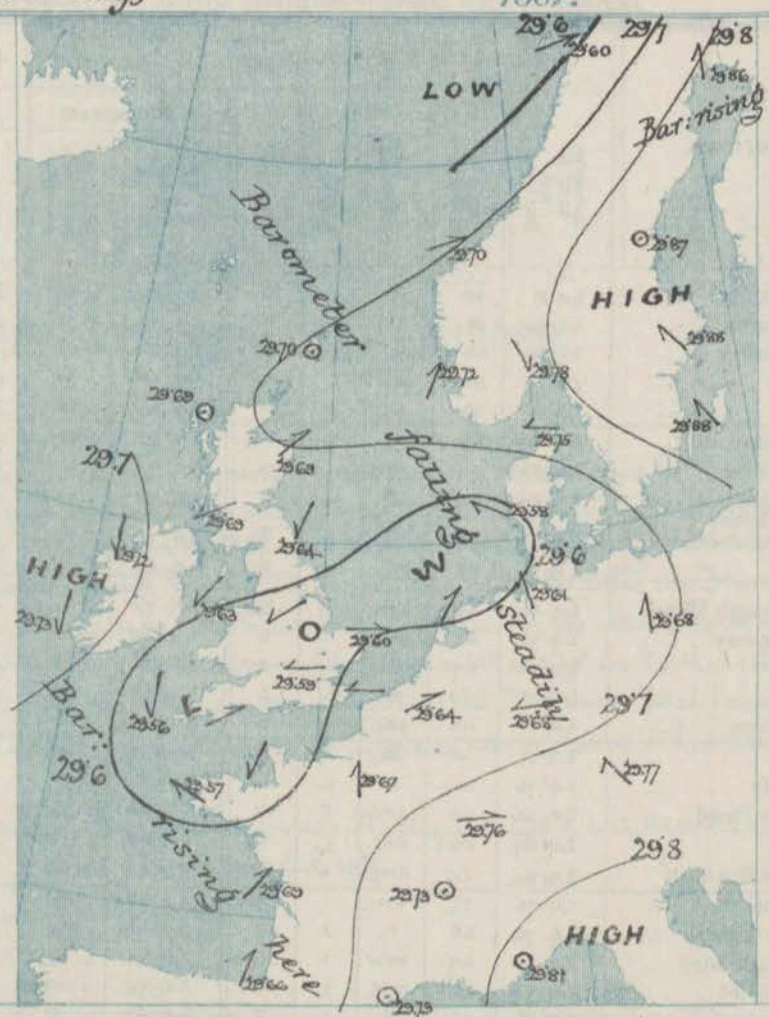
Sea Disturbance — where considerable is shown thus

▨ = Rough. ▨ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.836
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	29.989
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



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

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

Weather — is shown by Letters of the Beaufort Scale.

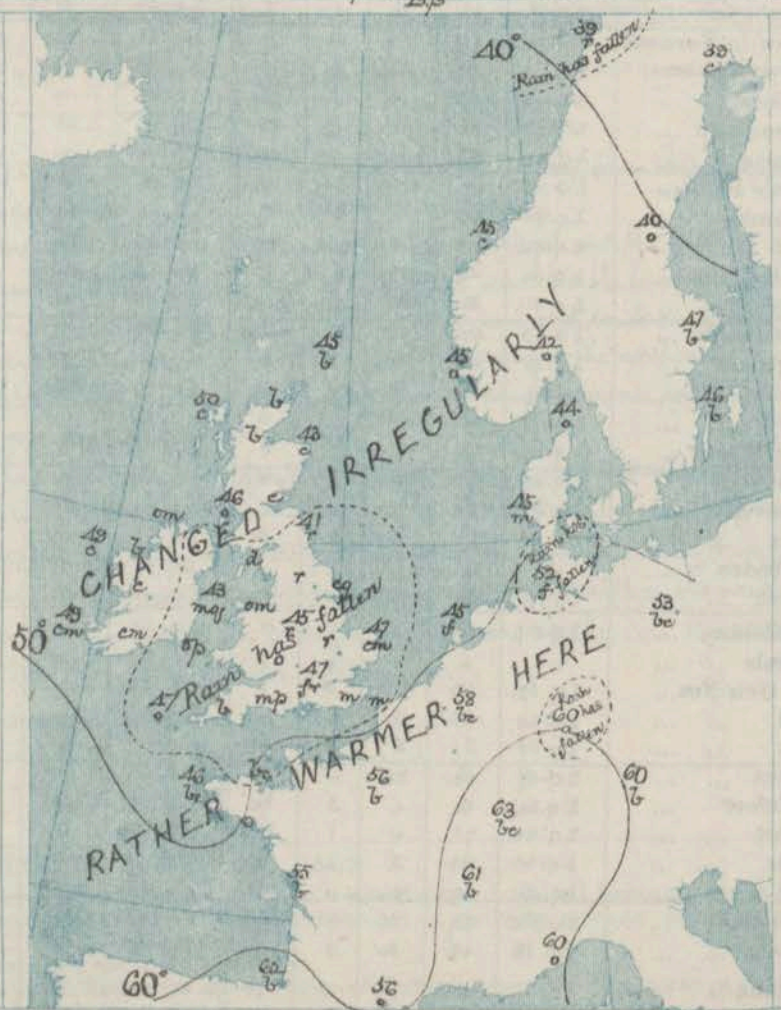
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of *May*

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.64
Wick	53.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	56.6	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	46.3	51.7	48.6	3.05
Pembroke	55.6	45.8	49.9	47.8	1.97
Scilly	56.8	48.4	52.6	50.1	1.60
Hurst Castle	58.0	45.2	51.2	49.9	1.70
Dover	56.3	46.4	52.5	49.0	1.77
LONDON	61.5	48.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.8	1.83
Cambridge	60.9	41.8	50.7	47.6	1.76
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 29.8 in: and upwards, over Sweden, and also over the Gulf of Genoa. Lowest, 29.6 in: and less, in an irregularly shaped band lying over England, the north of France, and the southern part of the North Sea.
TEMPERATURE	Highest, 63° at Belfort, 62° at Biamitz, 61° at Lyons, and 60° at Wiesbaden, Munich and Nice. Lowest, 39° at Bodi and Haparanda, 40° at Helsingfors, 41° at Shields, and 42° at Harrow in Fumero and Liverpool.
WIND	Light to moderate from N. or NE. over Ireland, and the west and north of England. Variable in the southeast of England and also in Scandinavia. SW ^{ly} at most of the French stations.
WEATHER	Rainy in the north and east of England, and showery at Hambrooke and Hurst Castle. Fair or fine in most other localities, but fog reported at Cuthaven and Hilder.
SEA	Moderate to smooth

PROBABLE CHANGES IN SYSTEM NOW PREVALENT



The elongated depression noticed yesterday over the Channel and north of France is moving slowly northward, and the barometer is now rising at our southern and the French stations.

Some improvement in the weather is therefore probable over our southern districts, but as the barometer at Lisbon is inclined to fall again, and the wind in the west of France shows no inclination to veer conditions are likely to remain unsettled for a time.

FORECASTS

For the 24 hours ending at NOON on 4th May. 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Light variable breezes; fine to cloudy and some rain.	6 SCOTLAND WEST	N ^{ly} breezes, light; dull, rain locally.
1 SCOTLAND EAST	----- D° ----- D° ----- D° -----	7 ENGLAND N. W.	----- D° ----- D° ----- D° -----
2 ENGLAND N. E.	NE ^{ly} to variable breezes; unsettled, rain at times.	8 ENGLAND S. W.	N ^{ly} winds, light or moderate; changeable, some showers.
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	Variable or S ^{ly} breezes; weather improving temporarily, but still unsettled, warmer.	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 ...	29.90	51	46	WNW 1	0	3	Holyhead ...	29.71	44	41	NE 3	0m	3
Sumburgh Head ...	29.83	47	45	SSE 1	0	1	Valencia ...	29.68	54	48	WNW 3	0	2
Stornoway ...	29.78	50	48	SSE 2	0	2	Scilly ...	29.55	44	44	WNW 4	0	4
Aberdeen ...	29.83	46	42	SSE 4	0	2	Dungeness ...	29.58	49	47	ESE 3	0	2
Shields ...	29.78	44	40	E 2	0	2	London ...	29.61	47	45	ESE 4	0g	*
Ardrossan ...	29.75	49	44	E 0	0	1	Yarmouth ...	29.65	45	45	ESE 5	0g	5
Malin Head ...	29.72	49	46	E 3	0	2	Jersey ...	29.54	51	50	SE 1	0	1
Mullaghmore ...	29.72	51	46	E 2	0	2	Rochefort ...	29.71	62	58	SEW 5	0	2
Belmullet ...	29.72	50	47	WNW 2	0	*							

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

The reports for yesterday morning showed that pressure varied from 30.1 ins: and more over Turkey and the Balkan Peninsula and from 29.9 ins: and more over the south of Spain, Germany and the North Sea, to rather below 29.6 ins: over the English Channel and in the neighbourhood of Corunna, and to about the same value over Finland. In the latter region the barometer was rising slowly, but in the south and southwest it was falling, as a series of depressions advanced northwards from the Spanish coasts towards our Islands. Thus, while over Northern Europe NW² air prevailed, the wind over the south of England was NE², but over Spain SW², and in the southern parts of France SE² and SW². The weather was consequently very unsettled in the south, rain being prevalent in most places, while thunderstorms had occurred in many parts of France during the preceding twenty-four hours. In the north the weather was very fine and bright. Temperature showed no decided change, the morning readings varying from 40° and upwards over the southwestern parts of the Mediterranean to between 42° and 50° over the British Isles, and to a few degrees above the freezing point in the far north. The highest individual readings were 77° at La Halle, and 75° at Biskra (Algiers), 68° at Cagliari and Palermo, 66° at Bilbao, 64° at Palma, Malta, Brindisi, Naples and Trieste, 59° at Florence and Budapesth, 51° at Madrid, and 50° both at Prague and Valencia (Ireland). The lowest were 34° at Bodo, 35° at Archangel, and 37° at Uleaborg and Kuopio.

During the day temperatures remained low over England, but rose somewhat in the north. The rain ceased over the south of England, but the advance of new depressions from the southward showed that the change was only of a temporary character.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

DAILY WEATHER REPORT.

for Wednesday 4th May

1887.

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

Issued by the Meteorological Office, 116, Victoria Street, London, W. H. SCOTT, Secretary.																		
STATIONS.	† YESTERDAY EVENING.						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 ...	29.70	35	S	2	o	29.55	-.31	39	36	0	S	2	c	*	43	27	-	
Hernösand ...	29.66	38	Z	0	o	29.48	-.39	40	39	0	NE	2	r	*	46	28	-	
Stockholm ...	29.67	45	ESE	2	o	29.44	-.44	48	47	+1	S	2	f	*	65	34	0.08	
Wisby ...	29.66	49	SSE	5	c	29.46	-.42	47	46	+1	WSW	4	c	*	59	41	0.04	
Bodö ...	29.58	36	SW	4	o	29.49	-.11	38	36	-1	SW	4	bc	2	51	32	0.32	
Christiansund...	29.62	42	NE	4	o	29.54	-.16	39	36	-6	NNE	6	o	3	46	36	-	
Skudesnaes ...	29.51	45	NW	2	o	29.45	-.27	44	41	-1	NW	6	o	3	48	?	-	
Christiania Fjord (Furder)	29.50	45	N	4	r	29.36	-.42	42	41	0	NW	4	o	1	46	41	0.24	
Skagen (The Scaw)	29.43	45	SW	2	o	29.38	-.37	43	42	-1	WSW	2	o	1	46	41	0.16	
Fanö ...	29.52	42	WSW	3	f	29.49	-.09	42	42	-3	N	3	c	*	52	41	-	
BRITISH ISLANDS.																		
Sumburgh Head	29.64	45	W	1	c	29.63	-.07	40	36	-5	NNE	1	o	2	50	36	0.08	
Stornoway ...	29.66	43	NE	4	op	29.63	-.06	43	43	-7	E	3	om	3	52	40	0.18	
Wick ...	29.63	46	S	2	b	29.63	-.11	43	41	-3	E	3	o	1	54	29	-	
Nairn ...	29.60	46	ENE	2	bc	29.61	-.06	46	43	0	Z	0	c	1	56	38	-	
Aberdeen...	29.62	45	E	1	bc	29.63	-.06	47	42	+4	NNW	2	b	1	51	33	-	
Leith ...	29.60	51	NE	1	c	29.62	-.07	48	44	+3	ENE	1	b	*	52	36	-	
Shields ...	29.61	42	NNE	3	o	29.60	-.04	47	44	+6	NNE	2	c	3	47	34	0.08	
Spurn Head ...	29.59	44	N	4	c	29.59	+ .03	45	42	-1	NNE	3	cg	3	48	41	0.03	
York ...	29.60	45	NNW	1	o	29.58	-.02	41	41	-2	N	1	m	*	46	38	0.01	
Loughborough	29.58	46	NNE	1	o	29.60	+ .01	42	41	-3	ENE	1	og	*	49	40	0.06	
Ardrossan ...	29.60	50	NNW	2	o	29.59	-.10	45	44	-1	ENE	3	of	2	52	41	-	
Malin Head ...	29.63	49	NW	2	o	29.57	-.12	48	46	+3	SSW	1	c	1	55	41	-	
Mullaghmore ...	29.66	50	NW	4	cv	29.58	-.14	48	45	0	E	2	b	1	55	35	-	
Belmullet ...	29.69	51	N	2	c	29.57	-.18	49	46	0	S	1	b	*	53	48	0.06	
Donaghadee ...	29.62	51	NE	4	bc	29.61	-.08	46	44	+1	NE	3	bc	1	52	42	-	
Barrow-in-Furness	29.59	46	NW	2	bc	29.59	-.03	39	38	-3	NE	2	c	*	47	36	-	
Liverpool (Bidston)	29.58	46	NE	1	o	29.60	.00	46	41	+4	ENE	1	c	2	47	39	-	
Holyhead ...	29.62	45	NNE	2	bc	29.59	-.04	49	45	+6	ENE	1	brim	2	49	41	-	
Parsonstown ...	29.63	51	NW	1	o	29.62	-.08	46	44	-1	SW	1	o	*	56	39	-	
Valencia ...	29.69	52	NNW	3	bc	29.60	-.13	49	45	0	SW	2	bc	2	56	43	-	
Roche's Point...	29.64	50	SSW	2	c	29.58	-.07	49	46	+2	N	1	bc	2	56	44	-	
Pembroke ...	29.55	45	NNE	4	c	29.56	.00	45	43	+2	NNE	2	rm	2	49	43	0.01	
Scilly ...	29.57	47	N	4	o	29.58	+ .02	48	46	+1	NW	3	o	4	48	45	0.01	
Prawle Point ...	29.56	47	SW	2	o	29.54	-.02	46	46	-2	WSW	3	m	3	52	44	0.02	
Jersey ...	29.56	50	NNW	1	b	29.60	+ .05	50	48	-2	SW	5	bc	4	56	44	-	
Hurst Castle ...	29.54	51	SSW	3	b	29.56	-.03	49	47	+2	SSW	4	c	3	55	44	0.03	
Dungeness ...	29.49	54	WSW	1	bc	29.57	-.03	48	46	+2	W	3	c	2	59	45	-	
London ...	29.51	56	ENE	1	ogm	29.57	-.02	47	45	0	WSW	2	bc	*	58	44	0.15	
Oxford ...	29.55	51	NE	2	o	29.58	+ .01	48	42	-4	NE	2	op	*	59	41	0.02	
Cambridge ...	29.57	48	S	1	r	29.60	+ .02	44	44	-5	Z	0	o	*	60	41	0.55	
Yarmouth ...	29.58	46	SE	2	cpa	29.58	-.02	45	44	-2	N	2	c	3	50	42	0.10	
Cuxhaven ...	29.61	48	W	2	r	29.50	-.11	45	44	-7	NE	3	c	*	58	42	0.12	
Berlin ...	29.60	66	NW	1	o	29.43	-.25	57	56	+4	ESE	1	o	*	73	?	0.24	
Wiesbaden ...	*	*	*	*	*	29.51	-.17	57	54	-3	SW	6	o	*	72	55	0.59	
Munich ...	29.64	58	NE	1	o	29.76	-.01	52	49	-8	W	7	o	*	73	52	0.08	
FRANCE & NETHERLANDS.																		
The Helder ...	29.55	47	ENE	1	o	29.47	-.13	45	44	0	NNE	3	o	3	50	45	-	
Brussels ...	*	*	*	*	*	29.54	-.10	49	48	-9	WSW	5	r	*	72	57	0.16	
Cape Gris Nez...	29.50	57	SW	3	bc	29.58	.00	48	46	+2	NNW	3	m	2	68	43	-	
Paris ...	29.53	58	SE	4	bc	29.69	+ .02	51	49	-5	SW	3	o	*	74	50	0.59	
Brest ...	29.64	53	N	4	bc	29.65	+ .08	48	45	+2	WSW	4	o	4	57	37	-	
Lorient ...	29.62	50	W	5	bc	29.66	+ .08	48	46	-2	NNW	3	o	3	55	45	-	
Rochefort ...	29.69	55	NW	5	c	29.82	+ .13	53	53	-2	W	5	bc	2	66	46	0.08	
Belfort ...	29.65	61	W	1	o	29.50	+ .04	58	53	-5	W	4	bc	*	73	49	0.47	
Lyons ...	29.58	59	W	3	o	29.84	+ .11	53	48	-8	S	3	b	*	73	44	?	
Nice ...	29.67	65	E	5	b	29.82	+ .01	55	55	-5	Z	0	f	2	75	54	-	
Perpignan ...	29.62	58	E	3	bc	29.85	+ .12	56	53	0	Z	0	bc	*	64	46	-	
Biarritz ...	29.67	59	NNW	4	bc	29.83	+ .17	57	55	-5	E	3	b	0	64	54	0.04	
Corunna ...	*	*	*	*	*	29.78	+ .04	54	51	+1	E	3	b	4	59	39	0.08	
Lisbon ...	29.74	56	ESE	5	b	29.63	-.12	57	53	+3	ESE	3	o	5	61	52	0.95	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on *Wednesday, 4th May, 1887.*

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

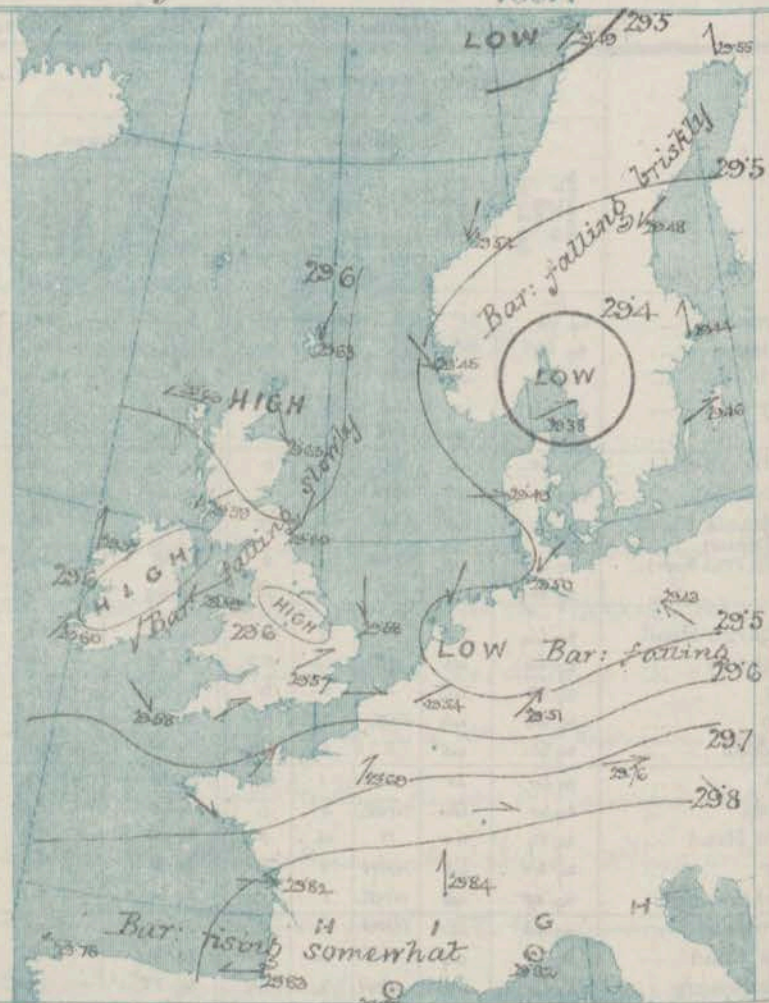
Sea Disturbance — where considerable is shown thus

■ = Rough, ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.806
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.987
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	29.989
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



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 0.6 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.	At 8 a.m.	
			Dry	Wet	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.64
Wick	53.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	56.6	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	46.3	51.7	48.6	3.05
Pembroke	55.0	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.6	50.1	1.66
Hurst Castle	58.0	45.2	51.2	49.9	1.70
Dover	58.3	46.4	52.5	49.0	1.77
LONDON	61.5	43.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.9	41.8	50.7	47.6	1.76
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.8 ins over the south of France, relatively high 29.6 ins and upwards in three areas lying respectively over Scotland, Ireland and central England. Lowest, 29.4 ins and less in a shallow depression having its centre over the south of Sweden. Other depressions are found respectively over the north of Norway, the British Channel and the Netherlands.

TEMPERATURE

Highest, 59° at Belfast, 57° at Berlin, Wiesbaden, Biarritz and Lisbon and 56° at Perpignan. Lowest, 32° at Rode, 30° at Haparanda and Christiansund, 40° at Lumburg Head and 41° at Shields.

WIND

Moderate to fresh from W or SW over the southern parts of England and Germany and the north of France. Light from NE over the northern parts of our islands. Strong from N or NW in the west of Norway, light from W in Denmark.

WEATHER

Fine in France and also at some of our western and northern stations. Cloudy elsewhere, with showers in many places. [Thunderstorms occurred yesterday over France and central England]

SEA

Moderate at Lundy and Jersey but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Although the barometer is at present rising in France and the south of our islands, it is falling slowly in Ireland and somewhat more decidedly at Lisbon. It is probable therefore that fresh disturbances will shortly approach our islands from the south-westward. With, however, the present very irregular distribution of pressure forecasting for individual districts is almost impossible.

FORECASTS

for the 24 hours ending at NOON on 5th MAY 1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	Light breezes, chiefly NE ^{ly} , changeable, showers locally.
1	SCOTLAND EAST	D ^o ————— D ^o
2	ENGLAND N.E.	Light variable breezes, unsettled, some showers, possibly thunder.
3	ENGLAND EAST	D ^o ————— D ^o
4	MIDLAND COUNTIES	D ^o ————— D ^o
5	ENGLAND SOUTH	SW ^{ly} to variable breezes, unsettled, some showers, possibly thunder.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as N ^o 0.
7	ENGLAND N.W.	Same as N ^o 2.
8	ENGLAND S.W.	W ^{ly} to variable breezes, changeable, some showers.
9	IRELAND NORTH	Light breezes, direction doubtful, unsettled, some rain.
10	IRELAND SOUTH	D ^o ————— D ^o

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 ...	29.63	48	45	NW 3	o	3	Holyhead ...	29.63	45	43	NE 3	o	3
Sumburgh Head ...	29.67	48	43	SSW 1	b	0	Valencia ...	29.7	55	52	NNW 2	bom	3
Stornoway ...	29.67	47	46	NE 1	p	1	Scilly ...	29.58	47	45	N 4	om	4
Aberdeen ...	29.64	47	44	ESE 3	b	1	Dungeness ...	29.54	54	51	ESE 2	c	2
Shields ...	29.53	44	41	NNE 3	or	3	London ...	29.54	57	54	SE 1	or f	*
Ardrossan ...	29.63	52	48	WNW 2	o	1	Yarmouth ...	29.59	47	46	SSE 3	c f	3
Malin Head ...	29.66	51	49	N 2	bc	0	Jersey ...	29.59	52	49	W 2	c	2
Mullaghmore ...	29.68	54	50	WNW 2	cv	2	Rochefort ...	29.69	64	57	NW 4	b	2
Belmullet ...	29.7	51	48	NNW 2	c	*							

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

The reports for yesterday morning showed that barometric readings were higher both over central, eastern and northern Europe and to the westward of our islands than they were over the North Sea, England & Brittany; the gradients however were slight. A somewhat irregular cyclonic circulation of wind therefore prevailed over the British Islands and their neighbourhood, accompanied by very showery, dull weather, local fogs, and, at the French stations, occasional thunderstorms; over Germany and Russia the wind currents were less clearly defined, and the weather was finer. Temperature was still higher at the Continental than at the British stations the values ranging from 70° or more over the southern part of the Mediterranean and from 60° and more over the southeast of France, Italy and the Balkan Peninsula, to between 50° and 60° all over Germany to between 40° and 50° over the British Islands, and to a little below 40° over northern Europe. The highest individual readings were 76° at Bistria, 73° at Algiers, 72° at Cagliari, 67° at Malta, 65° at Bilbao, 63° at Pesma and Trieste and 59° at Münster; the lowest 30° at Archangel, 39° at Bodo and Haparanda, 40° at Hemisand, 41° at Shields, 42° at Liverpool and Barrow-in-Furness and 43° at Holyhead and Pembroke.

During the day the weather over the British Islands became still more unsettled, and the distribution of pressure very complex. Rain fell more or less in many places, and thunderstorms occurred in the southeast 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 Thursday 5th May 1887.

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

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

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.				
			Dirac.	Force. (0 to 12.)			Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)		Max.	Min.					
SCANDINAVIA.																			
Haparanda ..	29.35	38	NE	2	T	29.18	- .39	36	36	- 3	N	2	T	*	48	32	0.32		
Hernösand ...	29.33	40	NE	0	C	29.37	- .11	38	35	- 2	NE	4	C	*	43	34	0.24		
Stockholm ...	29.32	50	NE	2	O	29.40	- .04	42	41	- 6	NW	4	T	*	63	41	-		
Wisby ...	29.33	48	W	4	bc	29.45	- .01	44	41	- 3	WSW	4	bc	*	55	28	-		
Bodö ...	29.49	38	W	2	C	29.47	- .02	37	34	- 1	WSW	4	S	2	41	32	0.16		
Christiansund...	29.56	41	NNE	4	C	29.65	+ .11	39	36	0	SW	4	bc	3	43	32	-		
Skudesnaes ...	29.56	42	NW	6	O	29.73	+ .28	43	38	- 1	NW	6	bc	4	46	41	-		
Christiania Fjord (Færder)	29.78	45	WSW	4	bc	29.62	+ .26	43	36	+ 1	NNW	4	b	1	48	41	-		
Skagen (The Scaw)	29.40	43	W	1	b	29.61	+ .23	45	42	+ 2	NE	1	b	0	50	41	-		
Fanö ...	29.64	43	WNW	4	C	29.74	+ .25	44	41	+ 2	WNW	4	C	*	52	41	-		
BRITISH ISLANDS.																			
Sumburgh Head	29.68	40	NE	0	O	29.77	+ .14	42	37	+ 2	NE	0	C	0	44	35	0.03		
Stornoway ...	29.62	48	E	3	b	29.68	+ .05	49	47	+ 6	SSE	4	b	3	49	40	-		
Wick ...	29.65	45	E	3	C	29.73	+ .10	48	45	+ 5	S	3	bc	1	50	40	0.05		
Nairn ...	29.62	47	NE	3	C	29.69	+ .08	47	45	+ 1	NE	0	C	0	51	39	0.03		
Aberdeen...	29.67	46	SE	3	bc	29.77	+ .14	48	44	+ 1	S	4	b	2	52	35	-		
Leith ...	29.63	52	NE	2	b	29.75	+ .13	51	46	+ 3	SE	1	b	*	52	32	-		
Shields ...	29.66	49	E	2	Op	29.76	+ .16	46	44	- 1	E	3	C	3	51	39	0.02		
Spurn Head ...	29.65	44	E	3	C	29.76	+ .17	45	44	0	ENE	4	Op	2	46	42	0.05		
York ...	29.64	45	E	1	T	29.76	+ .18	45	44	+ 4	NNE	1	O	*	47	40	0.09		
Loughborough	29.61	45	ENE	2	O	29.74	+ .14	45	44	+ 3	NE	1	Op	*	47	42	0.02		
GERMANY.																			
Ardrossan ...	29.61	49	NE	0	b	29.73	+ .14	46	43	+ 1	ENE	1	bm	1	56	39	-		
Malin Head ...	29.55	48	SSW	2	Op	29.63	+ .06	49	46	+ 1	SSE	3	cm	2	52	44	0.01		
Mullaghmore ...	29.54	50	ENE	1	C	29.63	+ .05	48	45	0	ESE	2	bc	2	53	41	0.06		
Belmullet ...	29.55	52	SSW	3	b	29.58	+ .01	51	47	+ 2	SSE	3	b	*	54	42	-		
Donaghadee ...	29.63	48	SSW	2	bc	29.73	+ .12	48	46	+ 2	SE	3	C	1	52	38	-		
Barrow-in-Furness	29.61	50	NE	2	C	29.73	+ .14	45	43	+ 6	E	3	C	*	52	39	-		
Liverpool (Bidston)	29.61	47	ESE	2	O	29.75	+ .15	47	44	+ 1	ESE	1	C	2	52	41	-		
Holyhead ...	29.61	47	NNE	2	bm	29.72	+ .13	50	47	+ 1	ESE	1	bm	1	50	36	-		
Parsonstown ...	29.57	52	S	2	C	29.66	+ .04	50	47	+ 4	SE	1	b	*	58	37	0.03		
Valencia ...	29.57	50	SSE	5	Op	29.56	- .04	51	50	+ 2	SSE	5	O	5	54	47	0.11		
Roche's Point...	29.61	52	SW	4	b	29.64	+ .06	50	49	+ 1	SSE	4	O	4	54	46	-		
Pembroke ...	29.61	47	SW	2	C	29.72	+ .16	47	47	+ 2	SE	1	bc	1	49	39	-		
Scilly ...	29.66	52	W	2	bc	29.69	+ .11	51	50	+ 3	SE	3	O	3	52	45	-		
Prawle Point ...	29.64	47	W	3	m	29.74	+ .20	47	45	+ 1	ENE	2	O	2	48	39	0.19		
Jersey ...	29.68	51	WSW	3	b	29.74	+ .14	53	50	+ 3	SE	2	bm	2	56	38	0.02		
Hurst Castle ...	29.63	48	SW	4	m	29.77	+ .21	49	47	0	NE	0	m	1	51	41	-		
Dungeness ...	29.65	50	WSW	3	C	29.76	+ .19	48	47	0	WSW	3	C	2	54	46	-		
London ...	29.61	51	S	2	bc	29.76	+ .19	49	46	+ 2	NW	1	Op	*	53	46	0.04		
Oxford ...	29.61	46	W	1	b	29.77	+ .19	46	45	+ 3	SW	1	C	*	49	43	0.16		
Cambridge ...	29.59	47	NE	0	T	29.75	+ .15	47	46	+ 3	W	1	O	*	53	43	0.15		
Yarmouth ...	29.65	45	ESE	3	cd	29.72	+ .14	48	47	+ 3	SSW	1	cm	2	48	42	0.01		
Cuxhaven ...	29.59	42	NW	3	C	29.77	+ .27	45	44	0	S	1	bc	*	49	42	0.41		
Berlin ...	29.57	52	W	5	T	29.85	+ .42	54	49	- 3	S	2	C	*	68	46	0.38		
Wiesbaden ...	*	*	*	*	*	29.86	+ .35	53	51	- 4	SW	1	O	*	64	48	0.04		
Munich ...	29.91	52	SW	2	b	29.95	+ .19	54	50	+ 2	SE	3	b	*	63	39	-		
FRANCE & NETHERLANDS.																			
The Helder ...	29.70	46	SW	1	O	29.76	+ .29	47	46	+ 2	SSW	1	O	1	?	37	0.16		
Brussels ...	*	*	*	*	*	29.80	+ .26	51	47	+ 2	SW	1	b	*	57	45	0.04		
Cape Gris Nez...	29.65	52	SW	3	b	29.75	+ .17	47	46	+ 1	WSW	5	O	2	56	45	-		
Paris ...	29.74	59	SW	4	bc	29.81	+ .12	49	45	- 2	NNE	1	O	*	64	43	-		
Brest ...	29.75	53	W	3	bc	29.74	+ .08	46	45	- 2	E	3	O	2	54	43	0.04		
Lorient ...	29.85	57	NW	4	O	29.72	- .10	52	51	- 1	E	5	O	2	64	46	-		
Belfort ...	29.84	63	W	3	b	29.87	+ .07	62	55	+ 4	E	1	bc	*	67	43	-		
Lyons ...	29.82	59	N	1	bc	29.80	- .04	58	52	+ 5	C	3	b	*	68	50	-		
Nice ...	29.89	55	E	1	b	29.92	+ .10	55	51	0	ENE	1	b	2	62	46	-		
Perpignan ...	29.78	59	NE	3	b	29.75	- .10	57	55	+ 1	?	5	C	*	74	49	-		
Biarritz ...	29.72	60	ENE	5	C	29.63	- .20	63	53	+ 6	S	7	O	2	64	54	-		
Corunna ...	*	*	*	*	*	29.67	- .11	?	59	?	NE	?	?	2	59	38	0.04		
Lisbon ...	29.63	55	NE	3	O	29.83	+ .20	57	53	0	W	5	bc	5	59	52	0.47		

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts.

WEATHER CHARTS

for 8 a.m. on Thursday, 5th May.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

→ = forces above 10, → = forces 8 to 10,

→ = forces 5 to 7, → = forces 1 to 4,

○ = dead calm.

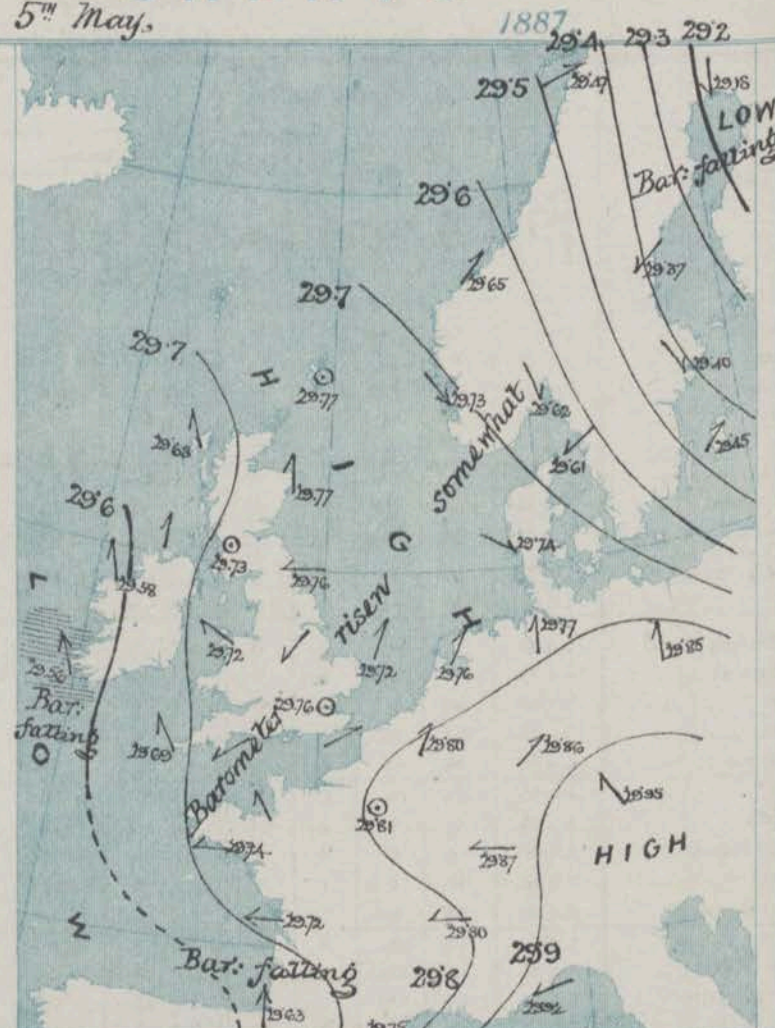
Sea Disturbance — where considerable is shown thus

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.896
Stornoway.	29.911
Wick	29.925
Nairn	29.939
Aberdeen.	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.987
Donaghadee	29.974
Holyhead.	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point.	29.991
Pembroke	29.989
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



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

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

Weather — is shown by Letters of the Beaufort Scale.

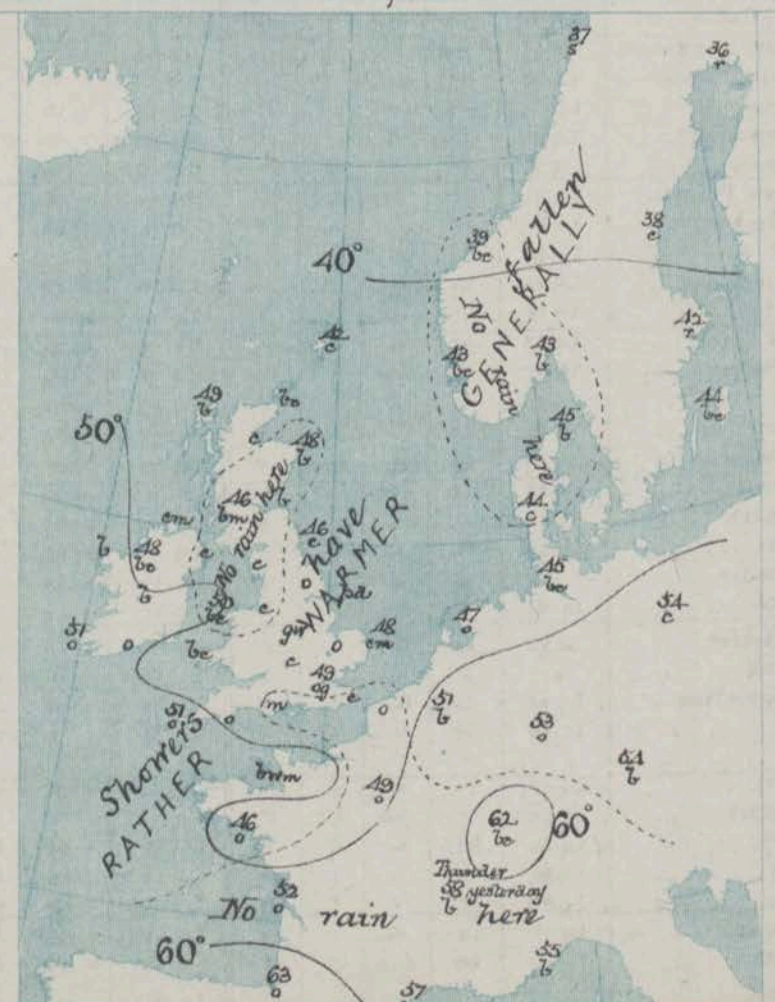
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May

STATIONS.	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m. Dry.	Wet.	
Sumburgh Head	50.2	40.0	45.9	48.8	1.71
Stornoway.	52.9	40.7	48.7	46.2	2.64
Wick	53.6	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen.	54.4	42.3	48.4	44.9	1.90
Leith	57.0	42.3	48.8	47.0	1.65
Shields	53.7	43.6	48.8	45.7	1.75
York	58.4	41.6	48.2	46.3	1.71
Ardrossan	56.6	44.3	48.5	46.0	2.20
Donaghadee	55.8	44.1	48.6	47.3	2.15
Holyhead.	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	48.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point.	60.5	46.3	51.7	48.6	3.06
Pembroke	56.6	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.6	50.1	1.66
Hurst Castle	58.0	45.2	51.2	49.9	1.70
Dover	56.3	46.4	52.5	49.0	1.77
LONDON	61.5	43.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.9	41.8	50.7	47.6	1.76
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.9 ins. and upwards, over S. Germany and the SE. of France, whence a band of relatively high pressure extends Nth over Great Britain and the North Sea.
Lowest, 29.2 ins. and less, over the Gulf of Bothnia, but relatively low, 29.6 ins. and less, over the Bay of Biscay and the W. of Ireland.

TEMPERATURE

Highest, 63° at Biarritz, 62° at Belfort, 58° at Lyons, and 57° at Perpignan and Lisbon.
Lowest, 36° at Haparanda, 37° at Bodø, 38° at Haparanda, 39° at Christiansund, and 41° at Lumburgh H^d. and Stockholm.

WIND

Moderate from S. or SE. over the coast and north of our Islands; variable in the south-east of England.
Moderate to strong from NW. in Scandinavia and Denmark.
Fresh E. in the west of France; strong S. at Biarritz, fresh W. at Lisbon.

WEATHER

Fine in the northern parts of our Islands as well as in Denmark, the south of Norway, and the east of France.
Dull elsewhere, with rain at Haparanda and Stockholm, and snow at Bodø.
Showers fell yesterday in many places, and thunder was heard at Lyons.

SEA

Rather rough at Valencia, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions noticed yesterday over the Netherlands and the south of Sweden have travelled away in a NE³ direction, while the shallow disturbance over the Bristol Channel has filled up, and the barometer has therefore risen over the greater part of our Islands as well as on the eastern shores of the North Sea.

In the course of the night, however, a depression has appeared over the southern part of the Bay of Biscay, and the mercury is therefore falling again in the west of France as well as on our extreme southwest coasts. The new disturbance seems likely to advance Nth, so that unsettled weather will probably continue over the southern part of the United Kingdom.

FORECASTS

For the 24 hours ending at NOON on 6th May

1887.

DISTRICTS.



FORECASTS.

0	SCOTLAND NORTH	S ³ and SE ³ winds, moderate; fair generally.		
1	SCOTLAND EAST	D ^o	D ^o	D ^o
2	ENGLAND N.E.	E ³ winds, light; cloudy, some rain.		
3	ENGLAND EAST	Same as N ^o 5		
4	MIDLAND COUNTIES	Same as N ^o 5		
5	ENGLAND SOUTH	Variable to SE ³ breezes; cloudy, some rain, possibly thunder.		

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	E ³ and SE ³ winds, light, fair to unsettled and some rain.		
7	ENGLAND N.W.	D ^o	D ^o	D ^o
8	ENGLAND S.W.	SE ³ and E ³ winds, freshening; dull, some rain.		
9	IRELAND NORTH	Same as N ^o 6		
10	IRELAND SOUTH	SE ³ winds, fresh or strong; dull, some rain.		
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.
Skudeanaes ...	29.47	46	42	NW 7	c	3	Holyhead ...	29.61	48	44	NNE 2	cm	2
Sumburgh Head ...	29.65	41	38	NNE 1	0	2	Valencia ...	29.59	54	49	SEW 4	bcl	4
Stornoway ...	29.63	47	46	E 3	6	3	Scilly ...	29.63	49	47	NNE 4	c	3
Aberdeen ...	29.66	48	44	E 3	c	1	Dungeness ...	29.67	51	50	WSE 4	bc	3
Shields ...	29.64	47	45	E 2	cp	3	London ...	29.61	52	48	SE 1	0	*
Ardrossan ...	29.60	49	47	NNE 1	0	1	Yarmouth ...	29.65	46	45	ESE 3	cv	3
Malin Head ...	29.56	51	49	ESE 2	0	2	Jersey ...	29.66	50	48	WSE 4	0	3
Mullaghmore ...	29.56	50	47	E 2	c	2	Rocheport ...	29.87	59	52	WSE 5	c	2
Belmullet ...	29.56	54	48	SSW 1	6	*							

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

Yesterday morning's report showed that pressure varied from somewhat above 30.1 ins: over Russia, the Black Sea, and the south-eastern parts of the Mediterranean, and from 29.6 ins: and more off our coast and north-west coasts to rather below 29.4 ins: over the Skager Rack and the south of Scandinavia, and to very little above 29.4 ins: over North Germany. In fact over the Baltic, the North Sea, England and Ireland the distribution of pressure was very complex, though the gradients were slight. The winds therefore were very variable — chiefly N^W in the extreme northwest, W^W over France, and S^W to SE^W over Central Europe and Russia; the latter were very light. The weather was cloudy generally and showing in most places; thunderstorms had occurred in the south-east of England and several parts of France, and the general appearance was rather unsettled. Temperature continued at ^{rather} above 70° over the southern parts of the Mediterranean, but had risen over Austria, Hungary, and Poland, and in some parts of the British Islands, while it had fallen in France. The highest individual readings were 76° at Berbera (Algeria), 71° at Malta, 69° at Algiers and Palma, 68° at Cagliari and Palermo, 66° at Bilbao and Seville, 64° at Trieste and Budapesth, 61° at Breslau, 57° at Lisbon, 50° at Jersey, and 49° at Valencia; the lowest were 38° at Rodo, 39° at Haparanda and Christianund, and 39° at Limerick, 41° at York and 42° at Loughborough.

Later in the day the barometer rose over Western Europe generally and the distribution of pressure became more simple. Temperature rose to 68° in the west of France and to 74° at Perpignan, but continued rather low over the British Isles, though the weather improved a little.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT.

for Friday 6th May

1887.

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

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	29.22	36	N	6	0	29.31	+1.13	39	33	+3	NNW	6	C	*	34	34	0.08	
Hernösand ...	29.56	89	NW	2	0	29.61	+1.24	42	36	+4	NNW	6	C	*	52	36	-	
Stockholm ...	29.78	42	WSW	2	0	29.80	+1.40	43	40	+1	NE	2	C	*	52	41	-	
Wishby ...	29.69	43	WNW	4	bc	29.76	+1.31	45	40	+1	WNW	4	C	*	55	41	-	
Bodö ...	29.45	36	WSW	6	m	29.59	+1.12	39	36	+2	WSW	5	bc	3	39	32	0.32	
Christiansund...	29.80	37	NW	4	c	29.97	+1.32	41	36	+2	W	6	C	4	41	34	0.12	
Skudesnaes ...	29.87	41	NW	2	0	29.96	+1.23	45	39	+2	N	4	C	3	40	-	-	
Christiania Fjord (Ferder)	29.73	46	SW	4	bc	29.91	+1.29	42	36	-1	N	6	C	2	50	44	-	
Skagen (The Scaw)	29.75	42	NW	1	0	29.85	+1.24	45	42	0	NNE	2	C	1	55	36	-	
Fanö ...	29.90	38	NW	1	0	29.92	+1.18	47	42	+3	NNW	4	C	*	50	36	-	
BRITISH ISLANDS.																		
Sumburgh Head	29.22	45	SE	1	C	29.95	+1.18	46	43	+4	SE	1	C	2	48	40	-	
Stornoway ...	29.75	50	SE	3	cm	29.84	+1.16	50	48	+1	SSE	2	C	3	55	42	-	
Wick ...	29.79	49	SE	1	bc	29.91	+1.18	47	45	-1	S	4	C	1	50	42	-	
Nairn ...	29.73	53	WS	0	C	29.86	+1.17	51	47	+4	LS	0	C	1	56	36	0.01	
Aberdeen...	29.82	46	S	4	0	29.96	+1.19	47	44	-1	S	3	C	1	51	38	-	
Leith ...	29.79	52	SE	2	C	29.92	+1.17	50	45	-1	SE	1	C	*	56	37	-	
Shields ...	29.82	46	ESE	3	C	29.94	+1.18	45	43	-1	E	3	C	3	48	42	-	
Spurn Head ...	29.80	45	NE	4	0	29.91	+1.15	46	44	+1	E	4	C	3	47	42	0.01	
York ...	29.82	48	ENE	1	bc	29.94	+1.18	46	45	+1	ENE	1	C	*	52	43	-	
Loughborough	29.77	58	ENE	2	bc	29.91	+1.17	47	45	+2	ENE	2	ogm	*	59	44	-	
Ardrossan ...	29.76	52	WS	0	bc	29.88	+1.15	46	43	0	E	2	bcum	1	57	41	-	
Malin Head ...	29.64	53	SSE	3	opm	29.79	+1.16	49	46	0	SSE	3	om	2	57	44	0.05	
Mullaghmore ...	29.65	52	SE	5	CV	29.80	+1.17	48	45	0	SE	2	C	3	58	46	-	
Belmullet ...	29.61	51	SSE	3	op	29.77	+1.19	49	48	-2	SSE	3	C	*	58	47	0.36	
Donaghadee ...	29.75	49	SSE	2	bc	29.88	+1.15	48	46	0	S	3	C	1	51	46	-	
Barrow-in-Furness	29.75	51	ENE	3	C	29.90	+1.17	45	43	0	ENE	3	C	*	54	42	-	
Liverpool (Bidston)	29.74	54	ESE	2	C	29.91	+1.16	47	44	0	SE	1	C	2	57	41	-	
Holyhead ...	29.75	49	WNW	1	C	29.86	+1.14	50	48	0	WS	0	cmur	0	54	41	-	
Parsonstown ...	29.69	58	SE	1	C	29.81	+1.15	51	47	+1	SSE	1	C	*	56	40	0.07	
Valencia ...	29.62	50	SSE	5	omr	29.79	+1.23	51	49	0	SE	1	C	1	54	41	0.45	
Roche's Point...	29.69	50	S	4	C	29.80	+1.16	51	49	+1	SSE	4	C	4	53	47	0.12	
Pembroke ...	29.72	51	WSW	1	bc	29.84	+1.12	47	45	0	ESE	4	og	4	52	45	-	
Seilly ...	29.69	50	ESE	4	C	29.84	+1.15	49	47	-2	ESE	2	C	4	55	46	-	
Prawle Point ...	29.73	48	ENE	2	C	29.85	+1.11	47	47	0	ENE	2	T	2	52	44	0.12	
Jersey ...	29.67	50	ENE	4	OT	29.78	+1.04	48	48	-5	E	3	orm	3	59	42	0.45	
Hurst Castle ...	29.74	52	SSW	1	m	29.85	+1.08	46	46	-3	NE	1	orm	0	57	45	0.03	
Dungeness ...	29.71	51	E	3	0	29.77	+1.01	48	47	0	NNE	4	T	3	53	47	0.04	
London ...	29.74	53	SE	2	bc	29.86	+1.10	45	43	-4	NNE	2	C	*	60	44	-	
Oxford ...	29.77	51	NNE	2	0	29.89	+1.12	46	45	0	NE	2	og	*	58	43	-	
Cambridge ...	29.77	50	NW	1	0	29.89	+1.12	46	45	+1	N	1	C	*	59	39	-	
Yarmouth ...	29.77	48	SE	1	bc	29.87	+1.15	45	44	-3	ENE	5	C	4	51	42	-	
Cuxhaven ...	29.85	46	N	2	0	29.91	+1.14	44	42	-1	NE	3	C	*	49	43	-	
Berlin ...	29.84	57	E	3	0	29.84	-0.01	54	48	0	NNE	4	C	*	64	46	-	
Wiesbaden ...	*	*	*	*	*	29.82	-0.04	55	53	+2	SE	3	C	*	66	50	0.39	
Munich ...	29.72	59	E	3	C	29.93	-0.02	55	52	+1	W	3	T	*	72	52	0.04	
FRANCE & NETHERLANDS.																		
The Helder ...	29.81	49	ENE	1	0	29.86	+1.10	48	45	+1	ENE	5	C	3	52	46	-	
Brussels ...	*	*	*	*	*	29.75	-0.05	53	51	+2	WSW	4	C	*	63	50	-	
Cape Gris Nez...	29.73	50	NE	4	bc	29.80	+1.05	47	47	0	NE	5	T	4	61	46	-	
Paris ...	29.62	63	NNE	4	bc	29.79	-0.02	55	54	+6	SW	3	C	*	68	?	0.63	
Brest ...	29.68	54	NE	3	T	29.82		48	47		NE	1	C	3	?	?	0.08	
Lorient ...	29.63	50	NE	3	T	29.85	+1.11	50	49	+4	NNW	1	C	2	52	45	0.32	
Rochefort ...	29.67	57	S	5	C	29.94	+1.22	55	53	+3	W	5	C	2	64	48	-	
Belfort ...	29.63	68	E	1	C	29.96	+1.09	56	51	-6	W	4	C	*	73	50	0.35	
Lyons ...	29.68	53	E	4	bc	29.49	+1.19	57	53	-1	S	3	C	*	72	51	0.39	
Nice ...	29.90	56	E	1	T	30.05	+1.13	54	54	-1	WSW	1	T	4	70	45	-	
Perpignan ...	29.70	63	NW	1	0	30.01	+1.26	58	54	+1	E	3	bc	*	70	45	0.16	
Biarritz ...	29.76	57	WSW	5	C	30.00	+1.47	53	50	-10	W	8	C	2	66	52	0.20	
Corunna ...	*	*	*	*	*													
Lisbon ...	30.01	54	W	5	0	30.18	+1.25	58	54	+1	W	5	C	4	61	52	0.20	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Friday, 6th May.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

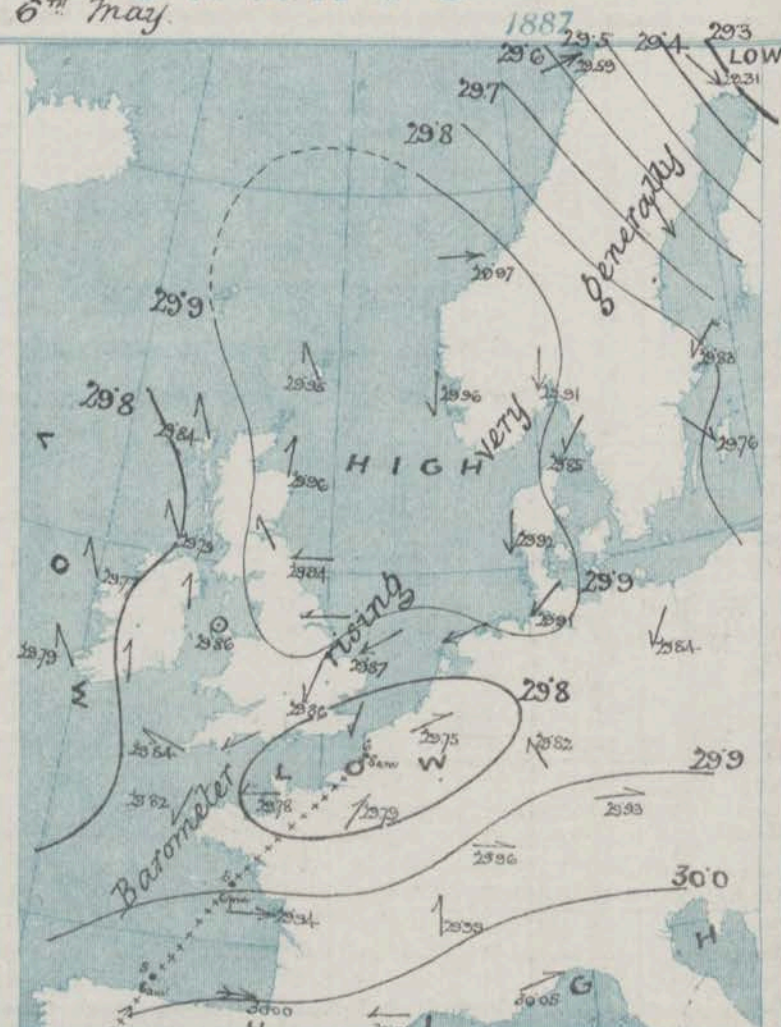
Sea Disturbance — where considerable is shown thus

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head.	29.896
Stornoway.	29.911
Wick.	29.925
Nairn.	29.939
Aberdeen.	29.938
Leith.	29.958
Shields.	29.968
York.	29.981
Ardrossan.	29.967
Donaghadee.	29.974
Holyhead.	29.981
Liverpool.	29.987
Valencia.	30.006
Roche's Point.	29.991
Pembroke.	29.989
Scilly.	30.011
Hurst Castle.	29.994
Dover.	29.984
LONDON.	29.997
Oxford.	29.996
Cambridge.	29.995
Yarmouth.	29.984



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

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

Weather — is shown by Letters of the Beaufort Scale.

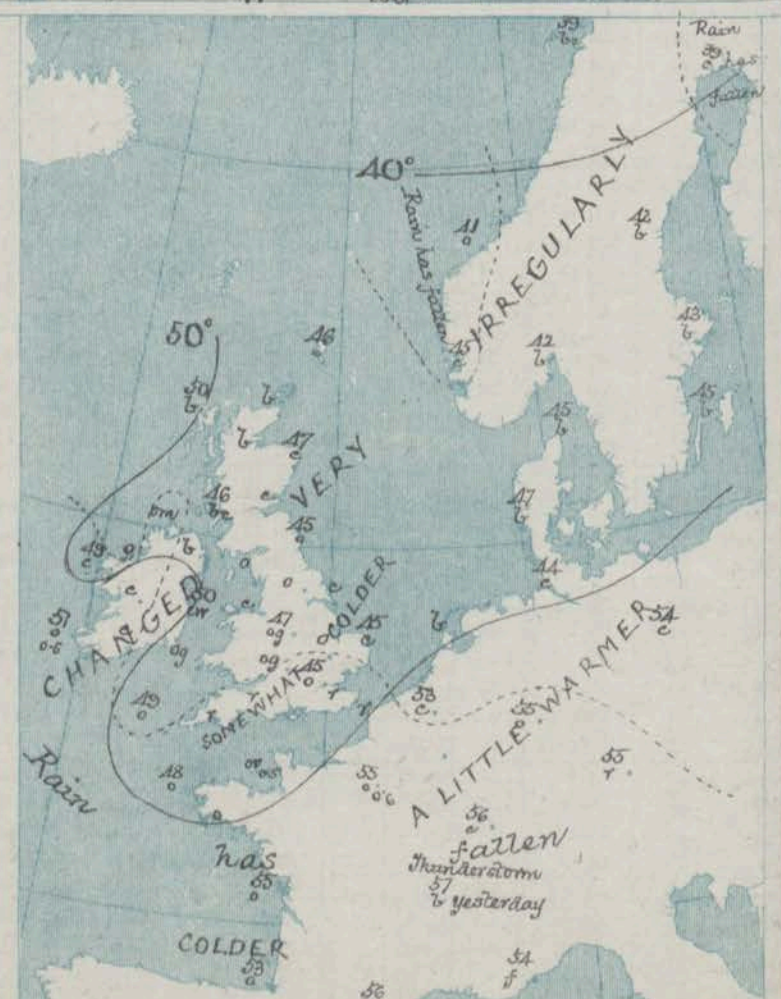
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m. Day.	At 8 a.m. Night.	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.64
Wick	53.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.87
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.76
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	56.6	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	46.3	51.7	48.6	3.05
Pembroke	55.6	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.6	50.1	1.66
Hurst Castle	58.0	45.2	51.2	49.9	1.70
Dover	56.3	46.4	52.5	49.0	1.77
LONDON	61.5	43.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.9	41.8	50.7	47.6	1.76
Yarmouth	55.0	44.6	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 ins: and upwards, over Central Spain, but relatively high, 29.9 ins: and upwards, in a large area lying over the whole of the North Sea and the adjacent coasts. Lowest, 29.4 ins: and less, over the north of Sweden, relatively low, 29.8 ins: and less, in an elongated depression lying over Belgium and the N. of France.

TEMPERATURE

Highest, 58° at Perpignan and Lézards, 57° at Lyons, 56° at Belfort, and 55° at Mirebaden and Rochefort. Lowest, 39° at Haparanda and Bodö, 41° at Christianund, and 42° at Helsingfors and Vaasa; lowest in our Islands 45° at Shields, Harwich, Yarmouth and in London.

WIND

Fresh NW in Scandinavia and Denmark; moderate SE or S in Ireland and Scotland. Light E or NE over the greater part of England; strong W in the southwest of France. Light SW in the east of France and SE at Mirebaden.

WEATHER

Bell over England and the west and north of France, with rain at all the Channel stations. Fair or fine in most other localities, but foggy at Nice. [Solar halos were seen yesterday at Holyhead and Jersey.]

SEA

Moderate on our southwest coasts as well as at Yarmouth, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now rising generally, and the elongated depression over Belgium and the north of France is apparently filling up. As the rise is much more decided over Spain and the south of France than elsewhere, the disturbances will probably continue to move slowly in a northerly or north-easterly direction, and the rainy weather in the extreme south may therefore be expected to extend over the greater part of England.

FORECASTS

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

1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SE ² winds, light; fair generally.
1	SCOTLAND EAST	-----D ² -----D ² -----D ² -----
2	ENGLAND N.E.	E ² winds, light; dull, some rain
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as No 5
5	ENGLAND SOUTH	NE ² to variable breezes; dull, some rain

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No 0
7	ENGLAND N.W.	Same as No 2
8	ENGLAND S.W.	E ² to N ² winds, light to moderate; cloudy, rain locally.
9	IRELAND NORTH	SE ² to E ² winds, moderate; fair generally.
10	IRELAND SOUTH	SE ² to E ² winds, light; changeable, 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.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	29.83	47	39	NW 6	C	4	Holyhead ...	29.77	53	50	WNW 1	Gen	1
Sumburgh Head ...	29.82	46	41	SE 1	bc	1	Valencia ...	29.60	52	51	SSE 6	T	6
Stornoway ...	29.74	55	51	SSE 3	b	3	Scilly ...	29.70	52	50	SE 4	c	3
Aberdeen ...	29.82	50	45	S 5	b	2	Dungeness ...	29.76	53	50	SW 3	b	2
Shields ...	29.82	47	45	E 3	c	3	London ...	29.76	56	50	ESSE 1	em	*
Ardrossan ...	29.74	53	50	ESE 1	bc	1	Yarmouth ...	29.77	50	48	SE 2	em	2
Malin Head ...	29.65	51	48	ESSE 3	o	2	Jersey ...	29.70	57	53	ENE 3	o	3
Mullaghmore ...	29.64	57	49	SE 5	bcv	3	Rochefort ...	29.68	61	58	SE 4	o	2
Beimullet ...	29.61	58	52	S 3	c	*							

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

Yesterday morning's reports showed that pressure varied from a little above 30.1 ins: over the south-eastern parts of the Mediterranean to a little below 29.6 ins: in the west of Ireland and to rather below 29.2 ins: over Finland. Near each of the last named regions there was evidently a depression, while another one was apparently over the north of Spain. Thus, E³ and SE² winds prevailed over Western Europe and the British Islands, while NW¹ and W¹ winds were felt over the North Sea and the Baltic, and SW¹ winds over North Germany, and the west of Norway. The weather was cloudy except over Germany and the south of France, showers still fell from time to time, and thunder occurred locally. Temperature varied from upwards of 70° over the southern part of the Mediterranean to between 50° and 60° over central Europe and to between 45° and 51° over the greater part of the British Isles, while over the northern parts of Scandinavia it was very little above the freezing point. The highest individual readings were 79° at Biskra and 78° at Tunis, 73° at Palermo, 71° at Malta, 70° at Constantinople, 68° at Palma and Brindisi, 66° at Naples and Cagliari, 63° at Marseilles and Sangunai, and 62° at Corunna and Hermanstadt, the lowest were 36° at Haparanda, 37° at Rodö, 38° at Helsingfors and Archangel, 42° at Sumburgh Head, and 45° over the north-east of England.

Later in the day the depression over Spain moved northwards towards our Islands, and the sky began to look very unsettled in the south of England.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for *Saturday 7th May 1887.*

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

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.																		
STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 8 th P. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sun. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dirac.	Force, (0 to 12.)		Reading at 8 th P. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	29.45	37	NW	6	b	29.54	+23	38	33	-1	NW	6	0	*	46	34	-	
Hernösand ...	29.83	40	NW	6	b	29.93	+32	41	35	-1	NW	6	0	*	50	34	-	
Stockholm ...	29.93	46	NW	4	b	30.06	+26	42	36	-1	N	4	0	*	55	37	-	
Wisby ...	29.91	43	Z	0	b	30.03	+27	42	37	-3	NNE	4	0	*	57	41	-	
Bodö ...	29.84	36	NW	6	c	29.90	+31	35	33	-4	W	6	3	3	39	32	0.00	
Christiansund...	30.05	41	W	1	bc	30.08	+11	44	39	+3	ESE	1	0	3	45	32	-	
Skudesnaes ...	30.01	42	NW	2	b	30.08	+12	45	41	0	NW	4	0	3	52	7	-	
Christiania Fjord (Færder)	30.02	46	WSW	4	b	30.08	+17	47	42	+5	SEE	2	0	1	?	?	-	
Skagen (The Scaw)	30.00	46	Z	0	b	30.04	+19	47	43	+2	E	1	0	0	54	41	-	
Fanö ...	29.99	39	NW	1	b	30.01	+09	50	47	+3	SE	3	0	*	50	37	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.00	45	SE	2	b	30.02	+07	45	43	-1	SE	2	0	3	51	40	-	
Stornoway ...	29.90	53	S	4	bc	30.00	+16	49	49	-1	S	4	0	3	56	45	0.21	
Wick ...	29.93	49	S	3	b	30.02	+11	47	45	0	W	1	0	0	52	42	-	
Nairn ...	29.94	57	SE	1	c	30.02	+16	51	49	0	SW	1	0	1	59	43	-	
Aberdeen...	30.01	48	S	4	b	30.07	+11	48	46	+1	S	3	0	1	52	40	-	
Leith ...	29.95	54	S	1	c	30.08	+16	48	46	-2	SE	1	0	*	58	43	-	
Shields ...	30.02	45	ESW	3	0	30.11	+17	46	43	+1	SW	2	0	2	48	41	-	
Spurn Head ...	29.99	45	E	4	0	30.12	+21	46	44	0	NW	2	0	3	48	41	0.01	
York ...	29.99	49	E	1	0	30.14	+20	45	42	-1	W	1	0	*	56	39	-	
Loughborough	29.97	47	ENE	1	r	30.15	+24	45	43	-2	W	1	0	*	52	41	0.07	
GERMANY.																		
Ardrossan ...	29.92	57	Z	0	b	30.08	+20	50	49	+4	Z	0	0	0	58	45	-	
Malin Head ...	29.87	49	WNW	2	omr	30.06	+27	50	49	+1	W	1	0	1	56	45	0.03	
Mullaghmore ...	29.87	53	SW	3	c	30.10	+30	52	48	+4	SW	1	0	2	54	44	-	
Belmullet ...	29.88	54	SSW	2	b	30.11	+34	52	50	+3	WNW	3	0	*	55	49	-	
Donaghadee ...	29.93	50	SE	2	b	30.10	+22	54	51	+6	SW	2	0	0	54	44	-	
FRANCE & NETHERLANDS.																		
Barrow-in-Furness	29.95	52	SSW	1	r	30.11	+21	47	45	+2	ESE	3	0	*	55	44	0.06	
Liverpool (Bidston)	29.96	53	S	1	0	30.14	+23	48	47	+1	SW	1	0	1	55	45	0.13	
Holyhead ...	29.96	50	SW	1	rm	30.13	+27	49	48	-1	SSW	2	0	2	57	45	0.02	
Parsonstown ...	29.90	55	SE	1	c	30.12	+31	51	49	0	Z	0	0	*	59	41	0.02	
Valencia ...	29.90	53	SSW	3	c	30.19	+40	54	52	+3	WNW	3	0	3	55	48	-	
Roche's Point...	29.93	53	SW	4	b	30.13	+33	52	50	+1	S	1	0	3	54	45	0.09	
Pembroke ...	29.96	47	WNW	2	r	30.16	+32	49	49	+2	SW	1	0	1	49	45	0.06	
Scilly ...	29.95	42	S	2	r	30.16	+32	54	53	+5	W	1	0	4	57	45	0.01	
Prawle Point ...	29.97	48	SW	2	m	30.18	+33	52	50	+5	W	2	0	2	54	41	0.03	
Jersey ...	29.93	50	NW	2	om	30.16	+38	52	50	+4	WNW	3	0	3	53	47	0.03	
Hurst Castle ...	29.93	49	NE	1	m	30.15	+30	48	48	+2	NNE	1	0	0	52	45	0.29	
Dungeness ...	29.90	49	N	3	0	30.10	+33	46	45	-2	NNE	3	0	2	50	45	0.17	
London ...	29.93	50	NNE	2	og	30.13	+27	46	44	+1	N	1	0	*	51	44	0.16	
Oxford ...	29.98	48	NW	1	r	30.16	+27	44	43	-2	NNE	1	0	*	49	43	0.31	
Cambridge ...	29.96	48	N	1	r	30.14	+25	47	44	+1	N	1	0	*	55	40	0.24	
Yarmouth ...	29.91	44	NE	5	og	30.07	+20	43	42	-2	N	3	0	4	47	40	1.13	
Cuxhaven ...	29.96	48	N	3	0	29.93	+02	50	49	+6	ESE	2	0	*	51	?	-	
Berlin ...	29.98	57	NNE	2	b	30.02	+18	54	49	0	E	2	0	*	64	50	-	
Wiesbaden ...	*	*	*	*	*	30.02	+20	55	52	0	SW	1	0	*	66	46	0.16	
Munich ...	30.07	54	SE	2	c	30.02	+19	57	49	-4	NE	3	0	*	64	41	-	
FINLAND.																		
The Helder ...	29.90	48	NE	5	r	29.94	+08	46	46	-2	NW	1	0	1	50	46	1.70	
Brussels ...	*	*	*	*	*	30.06	+31	45	44	-2	W	4	0	*	64	44	0.04	
Cape Gris Nez...	29.76	46	N	4	0	30.08	+28	45	44	-2	N	4	0	3	54	45	0.20	
Paris ...	29.94	61	SW	3	bc	30.10	+31	49	48	-6	NW	3	0	*	65	49	-	
Brest ...																		
Lorient ...	29.99	53	WNW	7	bc	30.22	+37	50	49	0	NW	3	0	4	55	46	-	
Rochefort ...	30.09	56	W	7	c	30.26	+32	54	51	-1	NW	7	0	2	59	46	0.08	
Belfort ...	29.98	64	W	3	bc	30.03	+07	55	50	-1	W	3	0	*	69	48	2.56	
Lyons ...	29.99	56	NNE	1	r	30.15	+16	49	47	-8	S	1	0	*	70	47	0.24	
Nice ...	30.10	56	E	1	0	29.98	-07	55	53	+1	Z	0	0	2	66	46	0.43	
Perpignan ...	30.06	52	NW	4	r	30.22	+21	59	52	+1	NW	4	0	*	63	48	0.16	
Biarritz ...	30.14	59	WNW	3	b	30.33	+33	55	52	+2	NW	7	0	2	63	52	0.24	
Corunna ...	*	*	*	*	*	30.43	+38	60	58	+6	WNW	1	0	3	64	?	0.20	
Lisbon ...	30.32	59	WSW	4	b	30.40	+22	57	55	-1	NNE	1	0	2	61	52	-	

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts.

WEATHER CHARTS

for 8 a.m. on Saturdays 7th May, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

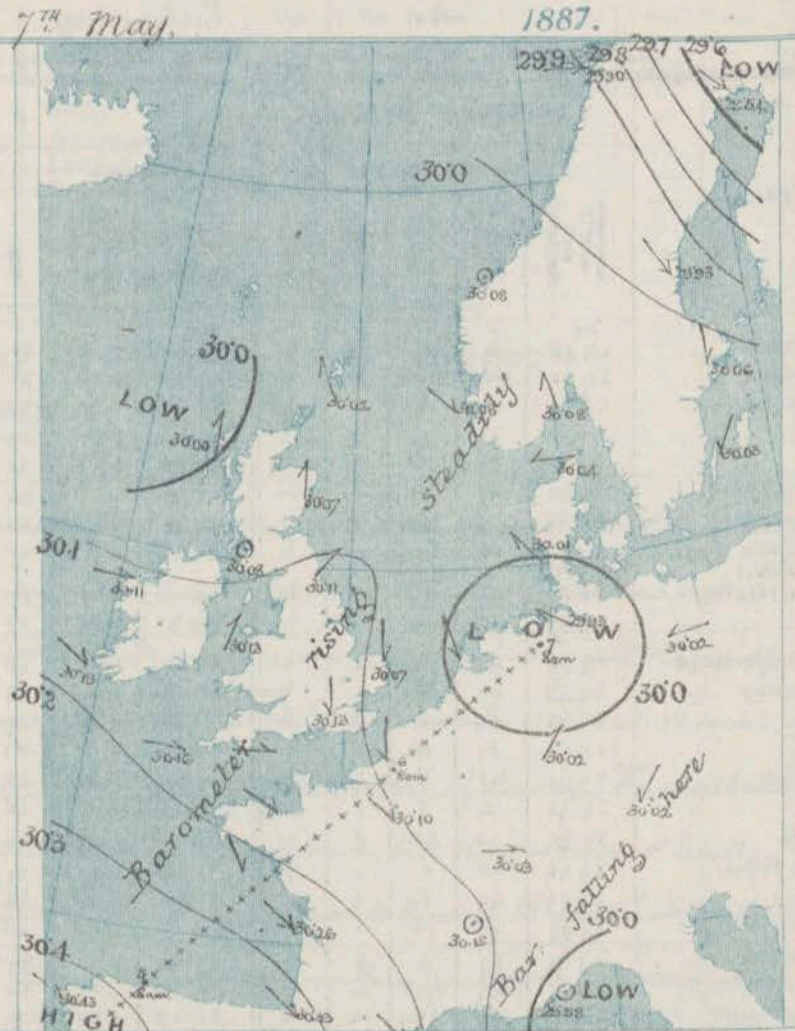
Sea Disturbance — where considerable is shown thus

■ — Rough. ■ — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.896
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	29.989
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



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

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

Weather — is shown by Letters of the Beaufort Scale.

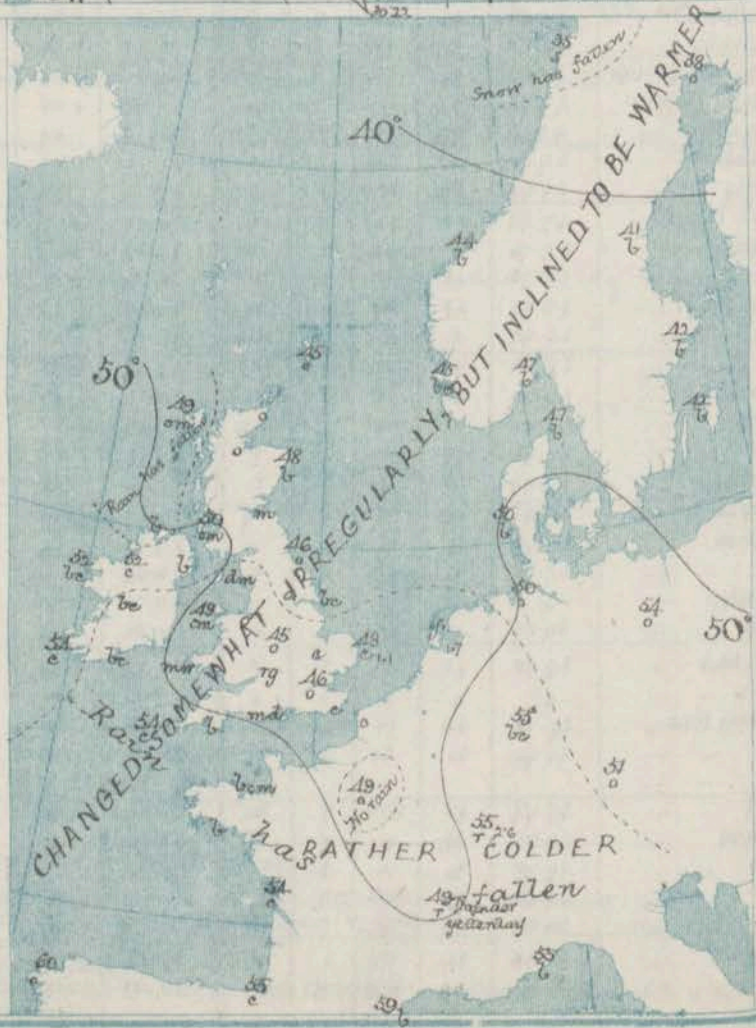
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.64
Wick	53.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	56.8	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	46.3	51.7	48.6	3.05
Pembroke	55.6	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.6	50.1	1.60
Hurst Castle	58.0	45.2	51.2	49.9	1.70
Dover	56.3	46.4	52.5	49.0	1.77
LONDON	61.5	48.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.9	41.8	50.7	47.6	1.76
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in: and upwards over Portugal.
Lowest, 29.6 in: over the North of Sweden, but relatively low in a depression lying over the Netherlands and N Germany, and also in another area lying off the NW of Scotland.

TEMPERATURE

Highest, 59° at Perpignan, 57° at Lisbon, 58° at Wiesbaden, Belfort, Nice and Biarritz, and 54° at Donaghadee, Valencia, and Scilly.
Lowest, 35° at Bodo, 38° at Nafaranda, 41° at Hovisand, 42° at Stockholm and Mörby, and 43° at Yarmouth.

WIND

Light W on our extreme southwest coast, and strong NW in Sweden, and the west of France.
Light or moderate from S. in Scotland; variable in Norway.
Light N in the southeast of England, NW in the east of France, and SE in the south of Denmark.

WEATHER

Quell over Great Britain, Germany, the Netherlands, and the east of France, with rain at Belfort and Lyons, and drizzling rain at some of the English stations.
Fair or fine in most other localities, but snow at Bodo.
During yesterday 1.1 in: of rain fell at Yarmouth, 1.7 in: at Helder, and 2.6 in: at Belfort.

SEA

Moderate at Scilly, Yarmouth and Havre, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday over Belgium and the north of France has continued to move north-eastwards, and has at the same time partially filled up. The centre of the disturbance is now lying a little to the south-westward of Cuxhaven, but the barometer is rising generally, and an anticyclone with readings above 30.4 in: has appeared over the Iberian Peninsula.

The high-pressure system will probably extend NE², and a decided improvement in the weather is therefore likely over our southern districts.

FORECASTS

for the 24 hours ending at NOON on 8th May. 1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	S. and S.W. winds, light or moderate; fair generally.
1	SCOTLAND EAST	-----D°-----D°-----D°-----
2	ENGLAND N.E.	W. winds, light; cloudy, rain locally.
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as No 5
5	ENGLAND SOUTH	N. to NW. or W. winds, light; fair generally, warmer

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Variable or W. winds; dull, slight rain.
7	ENGLAND N.W.	SW. to W. winds, light; fair generally.
8	ENGLAND S.W.	W. winds, moderate; fair generally.
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 ...	30.01	52	43	NW 4	b	3	Holyhead ...	29.92	55	50	S 1	cm	1
Sumburgh Head ...	30.00	47	44	SE 2	c	3	Valencia ...	29.87	54	51	SEW 4	cv	4
Stornoway ...	29.87	55	52	ESE 2	b m	2	Scilly ...	29.92	55	53	SE 2	c	5
Aberdeen ...	30.01	50	46	S 4	b c	1	Dungeness ...	29.86	48	48	NNE 3	T	2
Shields ...	29.95	47	44	ESE 3	c	3	London ...	29.90	51	49	NE 2	OT	*
Ardrossan ...	29.90	58	53	WSW 1	b	1	Yarmouth ...	29.90	46	45	ESE 5	c	4
Malin Head ...	29.88	55	51	Z 0	0	1	Jersey ...	29.88	51	50	NE 1	0	1
Mullaghmore ...	29.85	52	48	SW 3	op m	2	Rocheport ...	30.04	58	53	W 4	0	2
Belmullet ...	29.84	55	50	SSW 2	b	*							

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

The reports for yesterday morning showed that, as a whole, pressure varied from rather above 30.1 ins. over the southern part of the Mediterranean to about 29.3 ins. over Finland. The gradients were therefore favourable for a predominance of W^{ly} wind. Breezes from this direction and NW prevailed in the north with showers, but the presence of subsidiary low pressure systems over Austria and the English Channel, and a subsidiary high pressure system over the North Sea caused local variations of considerable importance, and the mingling of the different air currents produced very dull unsettled weather over the British Isles and France, steady rain in many places, and thunder at some of the French stations. Temperature remained very low over the British Isles and their neighbourhood, but had risen over Central Europe, the morning readings varied from rather above 70° on the southern and south-eastern shores of the Mediterranean to between 48° and 51° over the British Isles, and to a little below 40° over Northern Europe. The highest individual values were 76° at Risika, and 71° at Algiers and Malta, 63° at Budapesth and Brindisi, 68° at Palermo and Cagliari, 66° at Naples and Vienna, and 64° at Barcelona; the lowest 35° at Uleaborg, 36° at Kuopio, 39° at Bodø and Haparanda, 41° at Christiansund, 44° at Antwerp, and 45° at Shields, Harrower, and London.

During the day the depression over the Channel moved away towards Germany, and the weather became less unsettled over the south of the British Isles and France. Pressure also showed some tendency to rise over Spain, but its distribution was not by any means 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 Sunday 8th May. 1887.
 Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.																		
STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		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 ..	29.73	37	NW	4	o	29.88	+ .34	40	35	+ 2	N	4	bc	*	46	36	—	
Hernösand ..	30.01	40	Z	0	b	30.08	+ .15	42	42	+ 1	N	2	c	*	55	36	—	
Stockholm ..	30.01	45	Z	0	b	30.11	+ .05	45	39	+ 3	NE	4	b	*	57	36	—	
Wisby ..	30.01	45	SW	4	b	30.02	— .01	47	42	+ 5	W	4	bc	*	61	39	—	
Bodö ..	29.97	36	WNW	4	c	30.06	+ .16	38	35	+ 3	NW	4	o	2	39	32	0.04	
Christiansund...	30.11	42	NNE	2	bc	30.12	+ .04	48	45	+ 4	WSW	1	bc	1	52	37	—	
Skudesnaes ..	30.14	42	NW	4	bc	30.20	+ .12	46	41	+ 1	SE	2	s	2	?	41	—	
Christiania Fjord (Færder) ..	30.02	47	WSW	4	b	30.13	+ .05	44	38	— 3	N	6	b	2	54	43	—	
Skagen (The Scaw)	30.04	45	Z	0	c	30.10	+ .06	49	46	+ 2	WNW	1	b	1	57	41	—	
Fanö ..	30.09	46	NW	2	c	30.23	+ .22	49	46	— 1	NW	4	b	*	61	43	—	
BRITISH ISLANDS.																		
Sumburgh Head	30.06	48	SSW	1	bc	30.02	— .00	47	47	+ 2	SW	2	o	2	49	39	0.04	
Stornoway ..	30.09	51	WSW	4	o	30.02	+ .02	52	51	+ 3	SW	5	oa	5	56	47	0.02	
Wick ..	30.10	53	S	1	bc	30.06	+ .04	55	53	+ 8	S	2	c	0	56	43	0.10	
Nairn ..	30.12	52	W	1	c	30.09	+ .07	55	51	+ 4	WSW	4	c	3	62	48	—	
Aberdeen...	30.11	52	Z	0	c	30.15	+ .08	57	52	+ 9	SSW	3	c	1	57	44	0.01	
Leith ..	30.15	60	W	1	b	30.23	+ .15	58	53	+ 10	SW	3	c	*	64	47	—	
Shields ..	30.17	47	E	1	op	30.28	+ .17	60	53	+ 14	SW	3	c	2	60	43	0.01	
Spurn Head ..	30.22	47	S	3	bc	30.35	+ .23	51	49	+ 5	WNW	3	bcw	2	51	44	—	
York ..	30.21	58	WNW	1	o	30.37	+ .23	55	51	+ 10	W	1	b	*	59	41	—	
Loughborough	30.24	53	SW	1	o	30.39	+ .24	55	51	+ 10	W	1	bw	*	58	39	0.11	
GERMANY.																		
Androssau ..	30.20	55	SW	1	b	30.25	+ .17	50	50	— 0	SW	3	o	2	57	49	—	
Malin Head ..	30.19	50	W	3	o	30.20	+ .14	52	51	+ 2	SW	4	o	3	58	50	—	
Mullaghmore ..	30.25	54	WSW	3	c	30.28	+ .15	52	50	— 0	SSW	4	om	3	56	51	—	
Beltmullet ..	30.25	53	SW	3	o	30.27	+ .16	52	51	— 0	WSW	7	o	*	56	50	—	
Donaghadee ..	30.22	57	NE	2	bc	30.31	+ .21	56	52	+ 2	SW	2	c	0	62	46	—	
FRANCE & NETHERLANDS.																		
Barrow-in-Furness	30.22	48	WNW	2	o	30.35	+ .24	51	49	+ 4	SSE	3	c	*	54	45	—	
Liverpool (Bidston)	30.26	54	WNW	3	b	30.38	+ .24	58	52	+ 10	W	1	b	1	59	46	—	
Holyhead ..	30.27	51	SSW	2	b	30.38	+ .25	51	49	+ 2	SSW	3	bcw	2	55	45	—	
Parsonstown ..	30.30	57	W	1	o	30.37	+ .25	52	50	+ 1	SW	1	og	*	63	45	—	
Valencia ..	30.25	55	SW	3	c	30.40	+ .21	53	51	— 1	SSW	4	omg	4	58	50	—	
SPAIN.																		
Roche's Point...	30.20	57	NW	2	b	30.42	+ .29	52	50	— 0	WSW	4	o	4	60	46	—	
Pembroke ..	30.33	46	W	2	f	30.43	+ .27	46	46	— 3	ESE	2	f	2	49	42	0.01	
Scilly ..	30.28	53	WNW	2	c	30.45	+ .29	53	52	— 1	WSW	2	bc	4	56	47	—	
Prawle Point ..	30.30	53	W	3	bc	30.46	+ .28	57	52	+ 5	WNW	3	b	2	57	43	—	
Jersey ..	30.29	53	NW	3	bm	30.45	+ .29	53	51	+ 1	WSW	3	bw	3	57	43	0.01	
PORTUGAL.																		
Hurst Castle ..	30.29	50	W	3	m	30.44	+ .29	46	46	— 2	WSW	1	fw	1	55	41	—	
Dungeness ..	30.21	50	S	1	c	30.37	+ .27	50	48	+ 4	N	1	bc	1	53	42	—	
London ..	30.26	53	NNE	2	ogr	30.42	+ .29	53	49	+ 7	NW	1	bm	*	59	42	—	
Oxford ..	30.31	52	NW	2	c	30.43	+ .27	52	50	+ 8	W	1	bm	*	58	41	—	
Cambridge ..	30.27	53	N	1	o	30.41	+ .27	56	52	+ 9	NW	1	b	*	58	41	—	
Yarmouth ..	30.22	47	N	2	bcv	30.36	+ .24	51	49	+ 8	NN	1	b	2	51	40	—	
IRELAND.																		
Cuxhaven ..	30.02	47	NW	2	o	30.20	+ .27	49	47	— 1	N	4	o	*	56	46	—	
Berlin ..	30.07	62	Z	0	o	30.12	+ .10	55	52	+ 1	NW	4	o	*	68	55	—	
Wiesbaden ..	*	*	*	*	*	30.36	+ .24	47	44	— 8	NW	2	o	*	63	?	—	
Munich ..	30.05	51	W	3	c	30.15	+ .13	46	44	— 5	NW	4	r	*	61	46	0.87	
NETHERLANDS.																		
The Helder ..	30.18	44	NNW	4	o	30.35	+ .21	45	42	— 1	NNW	3	b	3	46	43	—	
Brussels ..	*	*	*	*	*	30.38	+ .22	46	44	+ 1	NW	4	o	*	49	42	—	
Cape Gris Nez...	30.26	51	W	3	c	30.39	+ .31	49	?	+ 4	W	1	m	1	55	45	—	
Paris ..	30.25	53	NNW	3	c	30.42	+ .32	48	47	— 1	N	1	o	*	54	43	—	
Brest ..	30.24	52	NNW	5	o	30.49	+ .32	48	46	—	NNE	1	m	2	?	?	—	
Lorient ..	30.32	54	WNW	5	c	30.48	+ .26	46	46	— 4	NE	5	f	2	57	43	—	
Reliefort ..	30.34	58	NW	5	bc	30.50	+ .24	50	49	— 4	NE	4	b	2	61	45	—	
Belfort ..	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lyons ..	30.21	50	NNW	3	o	30.33	+ .18	46	43	— 3	NNE	5	o	*	57	45	0.08	
Nice ..	29.95	53	SW	2	c	29.93	— .03	59	53	+ 4	E	1	bc	2	61	48	0.24	
Perpignan ..	30.25	58	NW	7	b	30.25	+ .03	58	51	— 1	NW	5	b	*	65	53	—	
Biarritz ..	30.39	57	WNW	7	o	30.44	+ .11	55	52	— 0	NE	4	bc	2	59	54	0.24	
PORTUGAL.																		
Corunna ..	*	*	*	*	*	30.43	— .00	56	55	— 4	NE	5	b	4	64	50	0.39	
Lisbon ..	30.31	56	N	5	b	30.27	— .13	60	56	+ 3	NNE	5	b	2	68	52	—	

For Explanation of Columns, see p. 4.

WEATHER

CHARTS

for 8 a.m. on

Sunday 8th May

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

→ = forces above 10; →→ = forces 8 to 10;
→→ = forces 5 to 7; →→ = forces 1 to 4;

⊙ = dead calm.

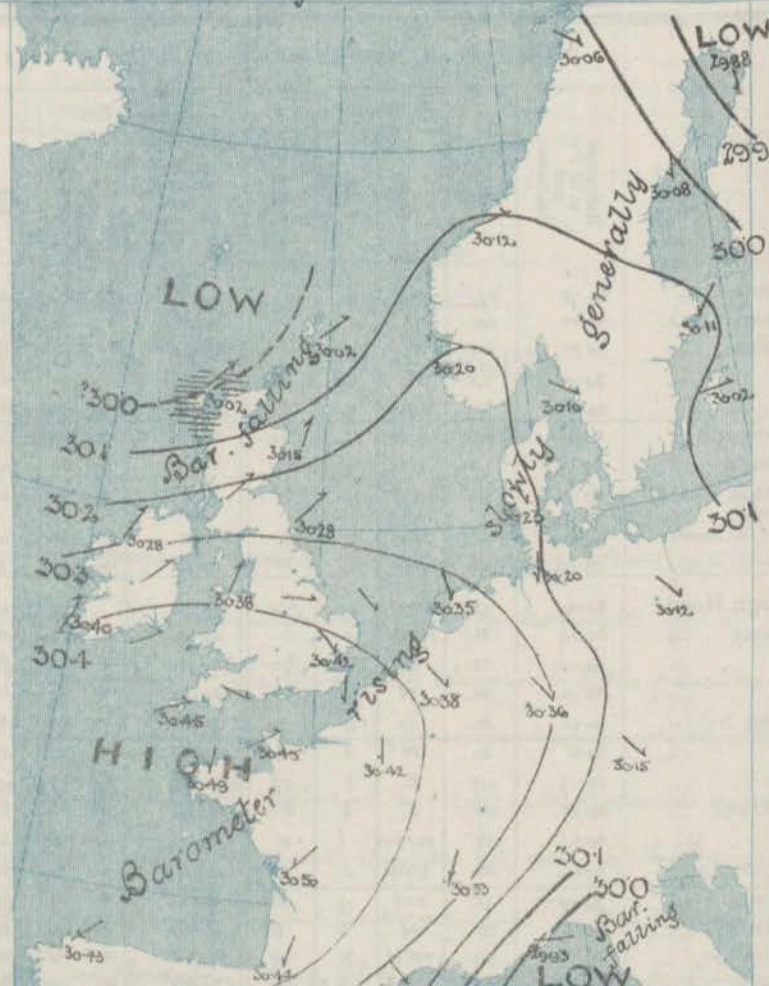
Sea Disturbance — where considerable is shown thus

▨ = Rough. ▨ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.896
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.901
Pembroke	29.989
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.990
Cambridge	29.995
Yarmouth	29.984



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

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

Weather — is shown by Letters of the Beaufort Scale.

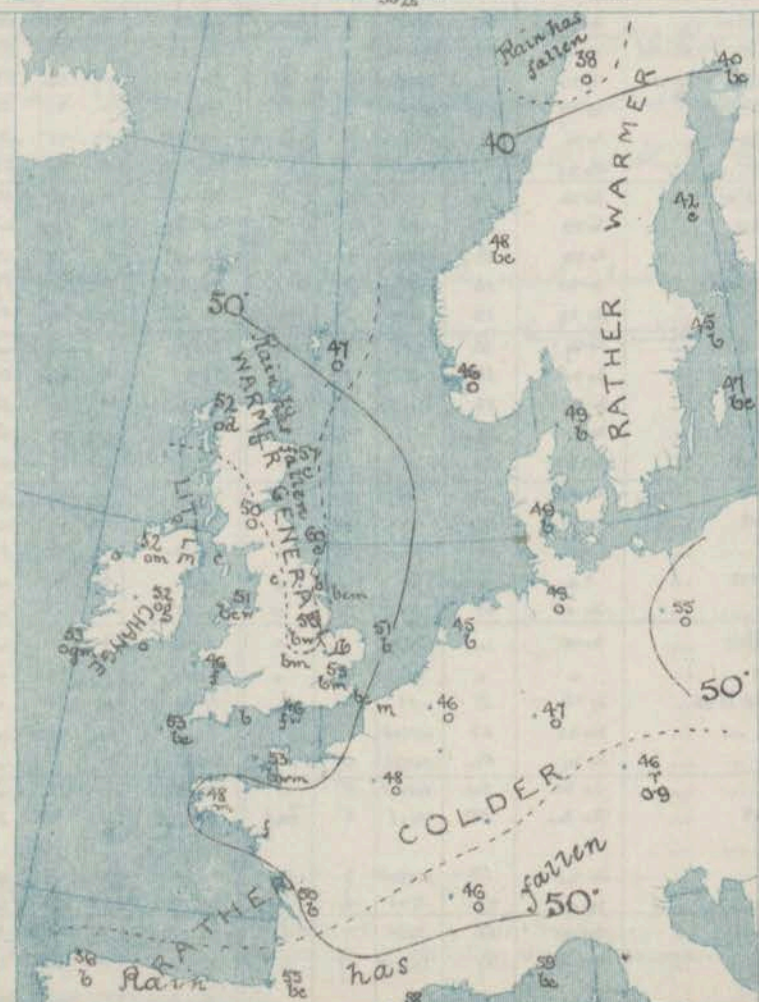
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.0	40.7	48.7	46.2	2.64
Wick	53.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	56.6	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	46.3	51.7	48.6	3.05
Pembroke	55.6	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.6	50.1	1.96
Hurst Castle	58.0	45.2	51.2	49.9	1.70
Dover	56.3	46.4	52.5	49.0	1.77
LONDON	61.5	43.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.9	41.8	50.7	47.6	1.76
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in. and upwards, in an anticyclone lying over the Bay of Biscay, the west and north of France and the south of our Islands.
Lowest, 29.9 in. in the north of Sweden, but relatively low, 30.0 in. and less, in two depressions lying respectively off the north of Scotland and over the Gulf of Genoa.

TEMPERATURE

Highest, 60° at Shields and Lisbon, 59° at Nice, 58° at Leith and Copenhagen, and 57° at Aberdeen and Thessalonika.
Lowest, 38° at Rode, 40° at Haparanda, 42° at Helsingfors and 44° at Frederik, lowest in our Islands 46° at Pembroke and Hurst Castle.

WIND

Moderate SW in the west and north of our Islands, but light W in the south.
N or NW in Scandinavia, Denmark, the Netherlands, and Germany.
NE at most of the French stations.

WEATHER

Dull on our extreme west and northwest coasts, as well as over Germany and the east of France, with rain at Stomoway, Munster.
Fine in most other localities, with fog at Pembroke and Hurst Castle.

SEA

Rather rough at Stomoway, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone noticed over Portugal yesterday has spread northwards over the Bay of Biscay and the south of our Islands, and the barometer has therefore risen generally. In the course of the night, however, a slight fall has set in at our northern stations, - due apparently to the passage of a shallow depression along the northwest coasts of Scotland.

FORECASTS

for the 24 hours ending at NOON on 9th May 1887.

DISTRICTS.

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

FORECASTS.

NONE ISSUED

DISTRICTS.

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

WARNINGS

FORECASTS.

NONE ISSUED.

NONE ISSUED.

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 ...	30.10	47	42	NNW	6	c	3	Holyhead ...	30.23	54	51	SSW	1	b	1
Samburgh Head ...	30.05	46	45	SSW	1	o	2	Valencia ...	30.38	50	52	WNW	4	bv	3
Stornoway ...	30.06	55	51	WSW	5	bv	4	Scilly ...	30.29	55	53	WNW	2	c	4
Aberdeen ...	30.09	52	50	S	1	cp	1	Dungeness ...	30.17	52	49	WNW	2	c	2
Shields ...	30.13	53	49	S	2	o	2	London ...	30.22	50	49	WNW	2	c	*
Ardrossan ...	30.17	53	53	WSW	2	b	1	Yarmouth ...	30.17	46	45	N	3	cv	3
Malin Head ...	30.19	54	51	WNW	2	o	3	Jersey ...	30.26	57	53	NNW	3	b	3
Mullaghmore ...	30.21	54	52	WNW	3	bv	2	Rochefort ...	30.24	59	54	NNW	4	c	2
Belmullet ...	30.22	54	51	N	3	o	*								

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

Yesterday morning's reports showed a further but gradual change in the general distribution of pressure over Europe, so that the readings at 8 am varied from between 30.3 ins: and 30.4 ins: over the Spanish Peninsula to about 29.5 ins: over Finland and the shores of the North Sea. Gradients were becoming more regular in the west and southwest, but considerable irregularities were still found over the North Sea, the Baltic, and Central Europe. Thus, while W and NW winds with cloudy, and somewhat showery weather were felt over the greater part of the British Isles and France, with thunderstorms locally, and while strong NW winds were blowing over the Gulf of Bothnia, the winds over the intervening regions were more variable, and in the extreme west of the British Isles and Spain, a decided improvement of weather appeared to be setting in. Temperature was inclined to fall at the Mediterranean stations, but to rise over the United Kingdom, and varied from between 68° and 71° over the southern parts of that Ocean, and from between 50° and 60° over Western Germany to between 45° and 54° over the British Isles, and to very little above the freezing point over Northern Europe. The highest individual values were 71° at Oran and Biskra (Algiers), 69° at Odessa (the Italian reports had not arrived), 67° at Lerino and at Nicolaieff, 64° at Budapest, 60° at Oporto and Corunna, and 54° at Valencia (Ireland); the lowest 35° at Bodo, 36° at Uleaborg and Kuopio, 38° at Haparanda, 39° at St. Petersburg, and 41° at Warsaw, Moscow and Helsingfors.

During the day the fine weather in the far west began to spread over the British Isles and west of France, but temperature did not rise much though the air began to be softer in many places.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Pawfort 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 May 1887.

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

STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dirac.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	30.11	35	2	0	b	30.17	+0.29	42	36	+2	E	2	b	*	45	32	-	
Hernösand ...	30.15	39	SSW	2	b	30.13	+0.05	42	38	0	SSW	4	bc	*	55	34	-	
Stockholm ...	30.19	41	S	2	b	30.21	+0.10	50	45	+5	SSW	2	m	*	55	34	-	
Wisby ...																		
Bodo ...	30.06	39	E	2	b	29.84	-0.22	39	38	+1	ENE	5	r	3	41	34	0.08	
Christiansund...	29.97	45	SW	2	o	29.96	-0.16	43	42	-5	W	5	r	3	52	41	0.12	
Skudesnaes ...	30.17	46	SE	2	o	30.07	-0.13	47	46	+1	NW	4	r	3	48	46	-	
Christiania Fjord (Furder)	30.19	49	2	0	b	30.12	-0.01	47	46	+3	S	6	o	3	50	?	-	
Skagen (The Scaw)	30.21	43	2	0	bc	30.17	+0.07	47	46	-2	SSW	1	o	0	52	41	-	
Faro ...	30.30	46	W	2	c	30.25	+0.02	50	49	+1	SSW	1	o	*	55	45	-	
BRITISH ISLANDS.																		
Sumburgh Head	29.98	49	SW	2	o	30.05	+0.03	47	45	0	W	4	b	4	54	40	0.07	
Stornoway ...	30.08	45	W	5	rq	30.07	+0.05	49	46	-3	SW	5	cqy	5	52	42	0.22	
Wick ...	30.02	56	SW	4	c	30.01	-0.05	48	45	-7	W	3	b	1	60	38	0.05	
Nairn ...	30.02	57	WSW	3	bc	30.13	+0.04	50	46	-5	SW	3	b	2	60	35	0.12	
Aberdeen...	30.13	58	SW	4	c	30.17	+0.02	50	45	-7	WSW	3	b	1	67	42	0.01	
Leith ...	30.20	58	SW	4	c	30.22	-0.01	50	46	-8	W	2	c	*	65	48	-	
Shields ...	30.22	66	WSW	3	bc	30.23	-0.05	53	51	-7	WSW	2	o	2	68	49	-	
Spurn Head ...	30.30	54	SE	1	bc	30.29	-0.06	52	50	+1	WNW	3	bom	2	66	46	-	
York ...	30.30	67	W	1	b	30.31	-0.06	54	51	-1	WSW	1	o	*	69	49	-	
Loughborough	30.33	69	W	2	c	30.36	-0.03	55	52	0	WSW	3	c	*	72	47	-	
GERMANY.																		
Ardrossan ...	30.22	52	SSW	3	o	30.27	+0.02	52	49	+2	WSW	3	b	2	52	47	0.03	
Malin Head ...	30.16	54	WSW	4	o	30.27	+0.07	50	48	-2	WSW	3	b	3	55	46	0.13	
Mullaghmore ...	30.23	55	WSW	5	om	30.35	+0.07	50	49	-2	WSW	4	bc	3	59	47	0.14	
Belmullet ...	30.24	53	SSW	5	r	30.37	+0.10	52	48	0	W	5	b	*	55	47	0.17	
Donaghadee ...	30.27	57	WSW	3	o	30.33	+0.02	51	49	-5	WSW	3	c	1	61	50	0.01	
FRANCE & NETHERLANDS.																		
Barrow-in-Furness	30.33	50	WSW	3	o	30.29	-0.06	48	48	-3	SW	3	r	*	57	48	0.03	
Liverpool (Bidston)	30.34	57	WSW	3	b	30.35	-0.03	50	49	-8	WSW	3	o	2	66	50	-	
Holyhead ...	30.35	50	S	5	cqy	30.34	-0.04	48	48	-3	SW	3	m	3	55	46	0.02	
Parsonstown ...	30.34	53	SSW	1	o	30.39	+0.02	51	50	-1	2	0	o	*	60	49	0.07	
Valencia ...	30.37	54	SSW	4	om	30.44	+0.04	53	53	0	NW	1	om	1	56	50	0.02	
PENIN. SULA.																		
Roche's Point...	30.42	54	WSW	4	bc	30.41	-0.01	52	50	0	WSW	3	o	3	56	50	-	
Pembroke ...	30.43	49	SW	3	o	30.42	-0.01	48	48	+2	WSW	3	f	3	49	45	-	
Scilly ...	30.47	53	W	2	c	30.47	+0.02	54	53	+1	SW	2	o	4	55	49	-	
Prawle Point ...	30.45	57	W	4	b	30.47	+0.01	52	50	+5	WNW	2	o	2	62	44	-	
Jersey ...	30.47	46	NW	3	b	30.48	+0.03	48	47	-5	NW	2	om	2	55	44	0.01	
PENIN. SULA.																		
Hurst Castle ...	30.45	53	WSW	4	b	30.44	-0.00	55	52	+9	NW	2	c	1	57	45	-	
Dungeness ...	30.38	52	W	3	c	30.38	+0.01	50	49	0	NW	2	bc	1	61	42	-	
London ...	30.38	65	WNW	1	bc	30.40	-0.02	53	50	0	NW	2	og	*	70	48	-	
Oxford ...	30.39	56	W	2	b	30.41	-0.02	54	52	+2	W	1	bc	*	68	48	-	
Cambridge ...	30.30	60	NW	1	b	30.36	-0.05	56	52	0	W	1	b	*	70	45	-	
Yarmouth ...	30.37	53	SSW	2	b	30.34	-0.02	55	52	+4	WNW	3	b	2	55	46	-	
Cuxhaven ...	30.33	46	NW	2	b	30.32	+0.12	52	51	+3	W	2	c	*	52	46	-	
Berlin ...	30.22	58	NW	2	c	30.28	+0.16	53	47	-2	NW	4	b	*	64	46	-	
Wiesbaden ...	*	*	*	*	*	30.39	+0.03	54	45	+7	2	0	b	*	55	45	-	
Munich ...	30.32	43	W	3	r	30.32	+0.17	47	46	+1	NW	3	o	*	?	41	0.67	
PENIN. SULA.																		
The Helder ...	30.37	57	WSW	1	b	30.32	-0.03	51	49	+6	SW	3	b	2	?	45	-	
Brussels ...	*	*	*	*	*	30.40	+0.02	55	49	+9	SW	1	b	*	62	43	-	
Cape Gris Nez...	30.39	54	WSW	1	b	30.37		50	49		SW	4	b	2	61	45	-	
Paris ...	30.39	61	N	3	b	30.45	+0.03	50	47	+2	NNE	3	b	*	64	43	-	
Brest ...	30.50	51	NW	4	o	30.59	+0.10	54	52	+6	WSW	3	o	2	57	39	-	
Lorient ...	30.45	55	WNW	5	b	30.49	+0.01	48	45	+2	NE	1	b	2	55	43	-	
Rockfort ...	30.45	59	NW	5	m	30.45	-0.05	53	51	+3	NE	5	b	2	64	46	-	
Belfort ...	30.31	51	W	3	c	30.32		52	48		E	3	b	*	55	43	-	
Lyons ...	30.34	49	WNW	3	c	30.34	+0.01	48	45	+2	N	1	bc	*	50	43	-	
Nice ...	29.95	62	2	0	b	30.02	+0.09	61	55	+2	ENE	1	b	2	72	54	-	
Perpignan ...	30.20	60	NW	9	b	30.16	-0.09	60	50	+2	NW	9	b	*	66	55	-	
Biarritz ...	30.42	57	WNW	5	o	30.39	-0.05	53	51	-2	NE	1	b	2	59	48	-	
Corunna ...	*	*	*	*	*	30.13	-0.14	60	53	0	NE	7	b	2	77	59	-	
Lisbon ...	30.13	68	N	7	b													

† The evening observations at Parsonstown were taken at 9pm.

The evening observations at Parsonstown were taken at 9 p.m.

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Monday, 9th May, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

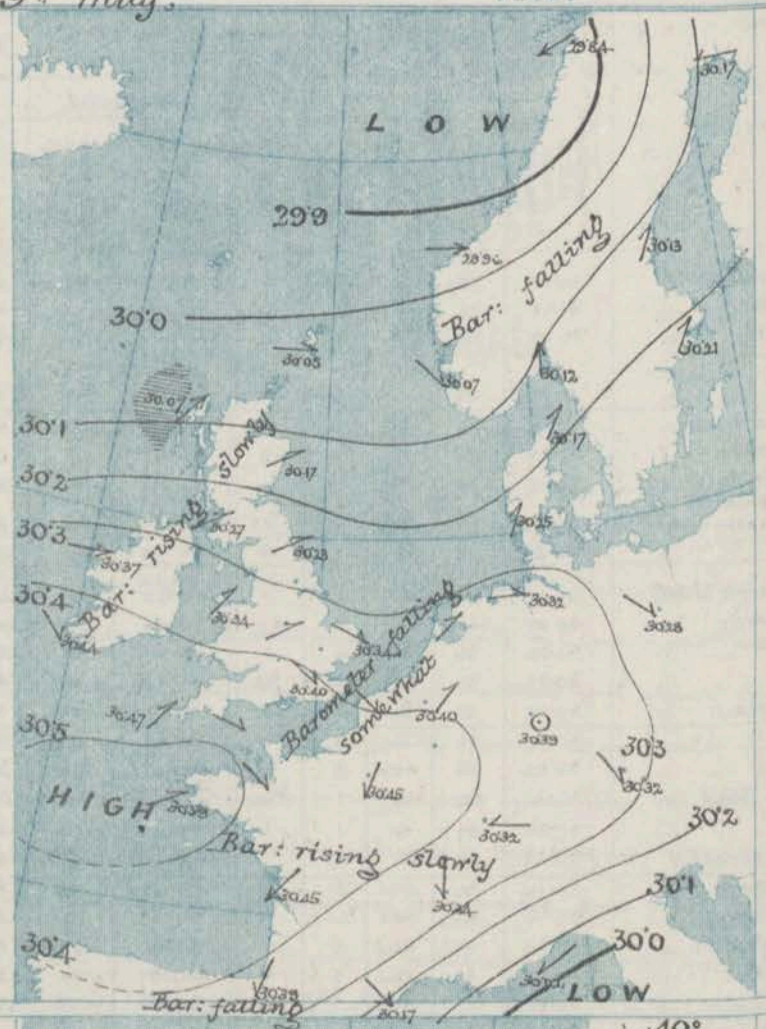
Sea Disturbance — where considerable is shown thus

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.896
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.987
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	29.980
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



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

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

Weather — is shown by letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of May

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.84
Wick	52.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen	54.4	42.8	48.4	44.9	1.90
Leith	57.9	43.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.8	49.2	46.3	1.71
Ardrossan	55.6	44.2	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	48.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	46.3	51.7	48.6	8.05
Pembroke	55.8	45.8	49.9	47.3	1.97
Scilly	58.3	48.4	52.6	50.1	1.66
Hurst Castle	58.0	45.2	51.2	49.9	1.70
Dover	56.3	46.4	52.5	49.0	1.77
LONDON	61.5	43.7	52.0	48.2	1.78
Oxford	60.2	44.1	50.1	47.8	1.83
Cambridge	60.0	41.8	50.7	47.6	1.76
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.5 ins: and upwards, over the northern part of the Bay of Biscay. Lowest, 29.9 ins: and less, in a depression lying off the west of Norway. Small shallow depressions are apparently lying over the St. George's Channel and the north of England.
TEMPERATURE	Highest 61° at Aix, 60° at Perpignan and Lisbon, 56° at Falmouth, and 55° at Loughborough, Hurst Castle and Yarmouth. Lowest 33° at Bodø, 41° at Haparanda and Hernösand, and 43° at Christiansund; lowest in our Islands 47° at Lumbury H.
WIND	SW ^{ly} or W ^{ly} over the United Kingdom, S ^{ly} in Sweden and Denmark. NE over the greater part of France, NW ^{ly} in Germany. Moderate in force generally, but fresh on our extreme northwest coast, and strong to a gale from NW at Perpignan.
WEATHER	Rainy in the west of Norway and dull in the south of Ireland and the west and north of England. Fair or fine in most other localities. [Rain fell yesterday on our western and extreme northern coasts.]
SEA	Rather rough at Stromsø, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT



The small shallow depressions which are now lying over our western and northern districts will probably move eastwards and occasion unsettled weather at our eastern and southern stations, with local showers and perhaps thunder.

Elsewhere no important change is likely at present.

FORECASTS

For the 24 hours ending at NOON on 10th May 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SW ^{ly} and W ^{ly} winds, fresh; changeable, some showers.	6 { SCOTLAND WEST	Same as No 1
1 { SCOTLAND EAST	SW ^{ly} winds, light; fair generally, but local showers.	7 { ENGLAND N. W.	Same as No 2
2 { ENGLAND N. E.	SW ^{ly} and W ^{ly} winds, light; cloudy, rain locally, perhaps thunder.	8 { ENGLAND S. W.	SW ^{ly} and W ^{ly} winds, moderate, cloudy, some showers.
3 { ENGLAND EAST	Same as No 5.	9 { IRELAND NORTH	W ^{ly} winds, moderate, fair generally but some showers.
4 { MIDLAND COUNTIES	Same as No 5.	10 { IRELAND SOUTH	----- D° ----- D° ----- D° -----
5 { ENGLAND SOUTH	W ^{ly} and NW ^{ly} winds, light; fair at first, unsettled later, perhaps thunder.	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.
Skudeenæs ...	30.21	48	45	SE 2	0	1	Holyhead ...						
Sumburgh Head							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rochefort ...	30.49	64	57	NW 5	m	2
Belmullet ...													

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

Yesterday morning's reports showed that pressure then varied from between 30.4 ins and 30.5 ins over the south of our islands, the north and west of France and the Bay of Biscay, to a little below 29.9 ins over Finland and Central Russia on the one hand, and to about 29.8 ins near Rome, on the other. The wind was consequently W. or NW over nearly the whole of North-western Europe and E. to N. in the south of France, but was S.W. in the extreme west and north-west of the British Islands and variable over the Mediterranean. The weather had become much finer over Western Europe than of late, but in many places the sky was covered by a film of haze, by which the sun was obscured for several hours. Temperature had risen decidedly over the United Kingdom, but had fallen over Germany, France and the Mediterranean, so that readings did not exceed 70° at any of the southern stations, while in the United Kingdom they had risen to considerably above 50° in most places. The highest individual values were 70° at Brindisi and Cagliari, 69° at Tunis, 66° at Palma and Oporto, 64° at Malta and Barcelona, 63° at Palermo, 61° at Langres, 60° at Shields, 58° at Lark and 57° at Aberdeen; the lowest were 36° at Kuopio, 38° at Rode and Meaborg, 40° at Helsingfors and 41° at Haparanda, Hangö and St Petersburg.

During the day fine warm weather prevailed over the British Isles. Temperature rose decidedly, the maxima recorded over many parts of central England varying from 70° to 72°.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 1ST TO THE 7TH MAY 1887.

The weather of the past week has been generally fair in Ireland and Scotland, but very unsettled over England, France and the Netherlands. Thunderstorms occurred over France and our midland counties on the 3rd and again at some of the French stations on the 6th.

At the commencement of the week a band of high-pressure extended from west to east over Ireland, England and the Netherlands, but on the night of the 1st a large though somewhat shallow depression advanced in a north-easterly direction from Spain to the Channel and north of France, occasioning freshening winds from E or NE and rain at all our more southern stations.

On the 3rd the depression, after undergoing considerable modifications in form and a great reduction in depth, gradually dispersed and for a time the distribution of pressure was very complex. Variable breezes were therefore reported generally, with fair weather in some places but a considerable amount of cloud and local showers in others.

On the 5th another depression appeared over Spain and in the course of the ensuing 24 hrs the disturbance travelled in precisely the same track as did its predecessor, its centre being found on the 6th over Belgium and the north of France. Considerable falls of rain were therefore again experienced over France and the south and east of England, the largest amounts being 2.6 ins at Belfort, 1.7 ins at Helder and 1.12 ins at Harwich.

As the disturbance moved northeastwards it gradually filled up, and on the 7th an anticyclonic area spread over us from the Iberian peninsula. A considerable improvement in the weather was therefore reported, but for a time local showers continued to fall at some of the English stations.

Temperature has been rather low for the time of year, the maxima being continuously below 60° and generally below 55°. On the night of the 1st frost was experienced over central England.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Tuesday 10th May 1887.

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

STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	Inc.	39	S	2	0	Inc.	Inc.	38	36	- 2	S	2	0	*	48	36	Inc.	
Hernösand ...	29.88	40	SEW	2	0	29.69	- 14	39	39	- 3	S	2	1	*	45	36	0.47	
Stockholm ...	30.01	47	SSE	4	0	29.83	- 38	50	48	0	W	4	0	*	59	32	0.12	
Wisby ...	30.04	44	SW	6	0	29.98	- 14	45	44	1	WSEW	4	0	*	57	32	0.16	
Bodö ...	29.85	42	SE	1	0	29.66	- 18	43	39	+ 4	ESE	2	0	1	43	24	0.43	
Christiansund...	29.86	45	W	3	0	29.73	- 23	45	41	+ 2	W	6	0	3	48	41	0.08	
Skudesnaes ...	30.05	46	W	2	0	29.94	- 13	48	46	+ 1	W	4	0	3	52	46	0.12	
Christiania Fjord (Fjorder)	29.87	48	WSEW	4	0	29.87	- 25	46	48	- 1	WSEW	6	6	3	48	45	0.08	
Skagen (The Sound)	29.96	45	W	3	bc	29.94	- 23	47	45	0	WSEW	4	bc	2	52	43	0.04	
Tanö ...	30.14	45	W	4	0	30.10	- 15	47	46	- 3	W	4	c	*	57	41	-	
BRITISH ISLANDS.																		
Sumburgh Head	29.90	46	W	4	0	30.00	- 05	46	43	- 1	W	3	bc	4	51	39	0.13	
Stornoway ...	30.08	50	W	7	bc	30.18	+ 11	47	47	- 2	W	4	cd	4	52	44	0.12	
Wick ...	30.04	52	W	6	c	30.08	+ 07	50	46	+ 2	W	4	c	2	52	42	0.06	
Nairn ...	30.12	46	W	3	c	30.16	+ 03	50	46	0	W	3	c	2	57	45	0.08	
Aberdeen...	30.12	54	W	4	b	30.17	+ 00	50	46	0	W	4	0	1	62	45	0.01	
Leith ...	30.23	57	SW	5	b	30.25	+ 03	52	47	+ 2	W	3	c	*	59	47	-	
Shields ...	30.23	56	W	4	bc	30.28	+ 05	49	45	- 4	W	3	bc	2	62	43	-	
Spurn Head ...	30.27	54	W	4	bc	30.32	+ 03	49	47	- 3	W	4	bc	2	56	44	-	
York ...	30.29	58	W	3	c	30.32	+ 01	52	46	- 2	W	4	bc	*	63	41	-	
Loughborough	30.34	58	W	3	b	30.38	+ 02	53	48	- 2	W	3	bc	*	63	40	-	
Ardrossan ...	30.29	53	W	5	b	30.30	+ 03	50	48	- 2	W	4	op	3	58	48	0.01	
Malin Head ...	30.32	51	W	3	om	30.40	+ 13	49	46	- 1	W	3	om	3	55	47	-	
Mullaghmore ...	30.42	51	W	5	c	30.45	+ 10	51	47	+ 1	W	5	om	4	55	47	-	
Belmullet ...	30.45	54	W	5	b	30.46	+ 09	51	47	- 1	W	5	c	*	55	43	-	
Donaghadee ...	30.36	58	W	4	bc	30.40	+ 07	51	48	0	W	2	bc	0	61	46	-	
Barrow-in-Furness	30.33	51	W	3	b	30.36	+ 07	49	47	+ 1	SW	5	bc	*	55	46	0.02	
Liverpool (Bidston)	30.37	56	W	3	b	30.42	+ 07	50	47	0	W	6	b	3	57	45	0.05	
Holyhead ...	30.40	52	SW	2	b	30.45	+ 11	55	51	+ 7	W	1	bc	1	58	45	-	
Parsonstown ...	30.44	57	SW	1	b	30.48	+ 09	51	48	0	W	1	bc	*	60	39	-	
Valencia ...	30.53	54	W	2	bc	30.58	+ 09	51	49	- 2	W	1	c	1	58	40	-	
Roche's Point...	30.46	59	W	3	b	30.51	+ 10	50	47	- 2	W	3	b	3	60	45	-	
Pembroke ...	30.41	52	W	2	b	30.46	+ 04	51	48	+ 3	W	2	b	2	52	45	-	
Scilly ...	30.45	53	W	4	b	30.47	+ 00	50	50	- 4	W	2	bc	4	58	44	-	
Prawle Point ...	30.43	57	W	3	bc	30.46	- 01	55	51	+ 3	ESE	2	b	1	60	45	-	
Jersey ...	30.43	51	W	3	bm	30.42	- 06	55	50	+ 7	NE	3	bc	3	55	47	-	
Hurst Castle ...	30.39	59	W	2	c	30.44	- 00	55	51	0	W	1	b	1	62	41	-	
Dungeness ...	30.29	53	SW	4	c	30.35	- 03	53	49	+ 3	W	3	b	1	56	42	-	
London ...	30.34	61	W	2	bc	30.39	- 01	53	47	0	W	3	b	*	67	42	-	
Oxford ...	30.38	57	W	2	bc	30.42	+ 01	53	48	- 1	W	3	b	*	64	40	-	
Cambridge ...	30.32	59	W	1	bc	30.38	+ 02	55	51	- 1	W	1	b	*	67	42	-	
Yarmouth ...	30.29	55	W	1	c	30.32	- 02	51	48	- 4	W	3	b	2	61	42	0.01	
Cuxhaven ...	30.21	50	W	2	0	30.20	- 12	48	46	- 4	W	2	0	*	59	46	-	
Berlin ...	30.19	59	W	2	c	30.10	- 18	52	49	- 1	W	3	0	*	66	52	-	
Wiesbaden ...	*	*	*	*	*	30.24	+ 15	56	51	+ 2	W	4	0	*	68	54	-	
Munich ...	30.20	49	W	2	0	30.21	- 11	50	48	+ 3	W	4	0	*	55	46	0.04	
FRANCE & NETHERLANDS.																		
The Helder ...	30.28	50	W	1	0	30.27	- 05	48	45	- 3	W	3	b	3	54	48	-	
Brussels ...	*	*	*	*	*	30.31	- 09	52	49	- 3	W	3	c	*	70	50	0.04	
Cape Gris Nez...	30.32	50	W	4	c	30.28	- 09	50	47	0	W	3	b	3	55	46	-	
Paris ...	30.33	63	W	3	bc	30.36	- 09	51	49	+ 1	W	3	bc	*	70	44	-	
Brest ...	30.45	52	W	5	c	30.52	- 07	48	48	- 6	W	4	0	2	61	41	-	
Lorient ...	30.41	60	W	4	b	30.43	- 06	52	50	+ 4	NE	4	0	2	61	45	-	
Rochefort ...	30.38	65	W	5	b	30.39	- 06	53	51	0	NE	5	b	2	73	46	-	
Belfort ...	30.32	55	E	1	b	30.25	- 07	50	45	- 2	E	1	b	*	60	39	-	
Lyons ...	30.21	60	W	5	b	30.25	- 09	55	52	+ 7	W	4	b	*	62	37	-	
Nice ...	30.01	62	W	1	b	30.04	+ 02	66	53	+ 5	E	1	b	1	70	54	-	
Perpignan ...	30.13	66	W	5	b	30.18	+ 02	64	58	+ 4	W	5	b	*	73	60	-	
Biarritz ...	30.33	61	W	4	b	30.34	- 05	57	55	+ 4	W	5	c	2	63	52	-	
Corunna ...	*	*	*	*	*	30.27	- 02	64	60	+ 1	?	5	b	4	68	56	-	
Lisbon ...	30.05	70	NE	7	bc	30.09	- 04	60	53	0	W	5	c	2	73	59	-	

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

WEATHER CHARTS

for 8 a.m. on Tuesday, 10th May, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

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

○ = dead calm.

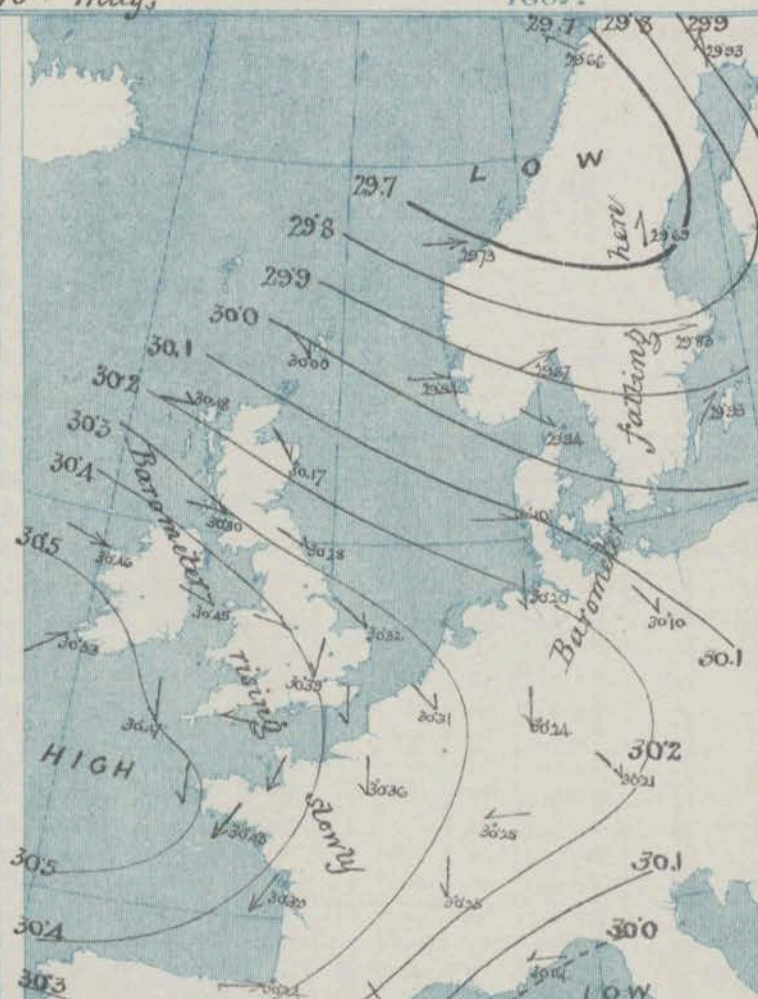
Sea Disturbance — where considerable is shown thus

▨ = Rough. ▨ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.896
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	29.989
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



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

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

Weather — is shown by Letters of the Beaufort Scale.

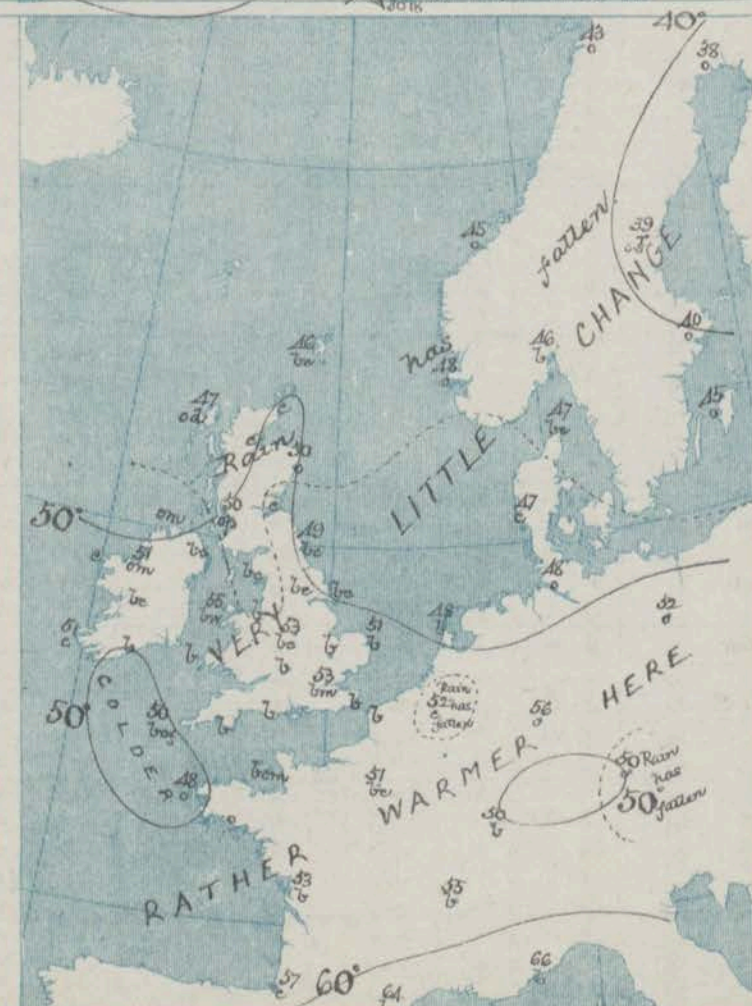
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway.	52.9	40.7	48.7	46.2	2.64
Wick	53.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.85
Shields.	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	56.0	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point.	60.5	46.3	51.7	48.6	3.05
Pembroke	55.6	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.6	50.1	1.68
Hurst Castle.	58.0	45.2	51.2	49.9	1.70
Dover	56.3	46.4	52.5	49.0	1.77
LONDON	61.5	43.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.9	41.8	50.7	47.6	1.76
Yarmouth	55.0	44.5	50.1	47.7	1.85

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1868—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.5 in. and more, over the southwest of Ireland and adjacent parts of the Atlantic. Lowest, 30.0 in. over the southwest of Spain — and about 29.6 in. over Central Norway. Gradients are moderate in the north, slight in the south. Barometer is inclined to rise except in Sweden, Norway, Denmark.
TEMPERATURE	Highest, 60° at Dalow, 57° at Biarritz, 53° at Rochefort, and 51° at Valence and Kilmullet. Lowest, 38° to 39° in the north of Sweden, 45° at Christiana and Helsingfors. It appears to be steady in most places, but the diurnal range inland is large. [Frost occurred on the grass at some of the inland stations early this morning.]
WIND	Strong from W. in the south, and light SE. in the north of Scandinavia. Light to fresh NW. over the British Islands — N. over the Channel and France. NE. over the Bay of Biscay — Over Germany it is NW.
WEATHER	Fine and dry ^{except in the} extreme north and northwest, where it is dull, and, in some places showers. [Rain fell yesterday all over Scandinavia and on our extreme north and northwest coast.]
SEA	Moderate at our most northern stations, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no indication of any important change in the weather.

FORECASTS

For the 24 hours ending at NOON on 11th May. 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	W. winds, moderate or fresh, some showers.	6 { SCOTLAND WEST	Same as N° 0
1 { SCOTLAND EAST	NW. and W. breezes, light, fine.	7 { ENGLAND N. W.	Same as N° 5
2 { ENGLAND N. E.	----- D° ----- D° ----- D° -----	8 { ENGLAND S. W.	N. breezes, moderate, fine.
3 { ENGLAND EAST	Same as N° 5	9 { IRELAND NORTH	NW. breezes, fresh or moderate, local showers, but fair as a whole.
4 { MIDLAND COUNTIES	Same as N° 5	10 { IRELAND SOUTH	Light breezes; fine weather.
5 { ENGLAND SOUTH	NW. breezes, moderate, fine, cool at night.	WARNINGS	
			NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudeenæs ...	30.09	62	49	W 4	b c	3	Holyhead ...	30.40	57	52	WNW 2	b	2
Sumburgh Head ...	29.95	49	46	W 4	c	4	Valencia ...	30.49	58	54	NW 2	b v	2
Stornoway ...	30.07	52	47	W 6	c q	6	Sailly ...	30.47	56	52	WNW 3	b c	4
Aberdeen ...	30.11	60	51	W 4	c	1	Dungeness ...	30.35	54	51	WNW 3	b	1
Shields ...	30.23	59	53	WNW 4	b c	2	London ...	30.34	66	57	WNW 2	c	*
Ardrossan ...	30.22	55	51	W 4	b	3	Yarmouth ...	30.30	56	53	NE 2	c	2
Malin Head ...	30.30	53	50	WNW 3	0	4	Jersey ...	30.46	54	50	W 3	b	3
Mullaghmore ...	30.40	54	50	W 5	b c	4	Rochefort ...	30.40	71	61	WNW 5	c	2
Belmullet ...	30.43	55	50	W 4	b	5							

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

The Continental reports for yesterday showed that an anticyclone, in which readings varied between 30.3 ins. and 30.5 ins. was lying over the Bay of Biscay, France, the Netherlands, and the south of our Islands, while a band of high pressure in which readings exceeded 30.1 in. extended thence in a NE^{ly} direction to Finland. The lowest readings 29.75 ins. were found in a depression which was lying over Turkey, but an area of relatively low readings 29.9 ins. and less was lying off the northwest of Norway. Moderate W^{ly} or SW^{ly} breezes prevailed over our Islands, and S^{ly} breezes in Denmark and Sweden, but on the eastern shores of the Baltic the wind was N^{ly} and in Germany NW, while in France it drew into NE. Rain was falling in the west of Norway, as well as at Lemberg, but elsewhere the weather was generally fair; in the southwest of our Islands, however, the sky was overcast. Temperature had fallen a few degrees over Algeria, South Italy, and the west and north of our Islands, but risen elsewhere; readings ranged from 70° and upwards over Turkey, and 65° and upwards at many of the Spanish, Algerian, and Italian stations to 40° and less over Northern Europe. The highest individual reading was 74° at Constantinople, 68° at Palma and Rhinidisi, 67° at Oran, 66° at Algiers, and 65° at Trieste and Biskra; the lowest were 37° at Kiopis, 39° at Rode and Archangel, 40° at Hango, and 42° at Haparanda, Herisand, St. Petersburg and Moscow.

In the course of the day the anticyclone moved slowly northwestward and the barometer consequently rose on our W. and S.W. coasts, while it fell at our eastern and the French stations. The wind veered to the NW^{ly} or N^{ly} in many parts of our Islands and in the course of the night frost occurred on the surface of the ground over Central 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).

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DAILY WEATHER REPORT.

for Wednesday 11th May

1887.

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

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STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 3 P.M. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer. Reading at 8 A.M. and Sea Level.	SHADE TEMP.		Difference from 8 A.M. yesterday.	WIND.		Difference from 8 A.M. yesterday.	Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.				
			Dir.	Force. (0 to 12.)			Dry.	Wet.		Dir.	Force. (0 to 12.)								
SCANDINAVIA.																			
Haparanda ..	29.85	37	S	1	r	29.83	- .10	36	36	- 2	S	2	f	*	48	34	0.12		
Hernösand ...	29.85	41	Z	0	b	29.89	+ .20	45	41	+ 6	N	2	o	*	51	37	0.24		
Stockholm ...	29.87	51	NW	2	u	29.85	+ .02	53	48	+ 3	N	2	b	*	57	41	-		
Wisby ...	29.89	46	SW	2	b	29.85	- .08	47	43	+ 2	ENE	2	b	*	59	41	-		
Bodö ...	29.67	41	S	4	c	29.63	- .03	42	39	- 1	SSW	4	o	2	48	37	0.04		
Christiansund...	29.87	40	W	7	r	29.90	+ .17	42	39	- 3	W	8	c	5	?	34	0.63		
Skudesnaes ...	30.05	42	NW	2	o	29.97	+ .03	45	41	- 3	E	2	c	3	52	?	-		
Christiania Fjord (Fjord)	29.82	49	WSW	2	b	29.86	- .01	46	41	0	NNW	6	b	2	50	43	-		
Skagen (The Scaw)	29.98	45	W	2	bc	29.86	- .08	46	42	- 1	N	1	b	1	52	41	-		
Fanö ...	30.09	45	NW	4	c	29.96	- .14	46	45	- 1	WNW	4	c	*	54	43	-		
BRITISH ISLANDS.																			
Sumburgh Head	30.00	45	W	1	o	30.02	+ .02	46	44	0	NNW	1	bc	2	50	42	0.19		
Stornoway ...	30.17	48	W	4	og	30.07	- .11	47	46	0	S	4	o	3	50	42	0.06		
Wick ...	30.01	48	NW	5	u	30.05	- .03	52	48	+ 2	NW	3	bc	1	58	42	-		
Nairn ...	30.16	50	W	3	o	30.08	- .08	52	47	+ 2	W	1	c	1	56	46	-		
Aberdeen...	30.18	52	WNW	4	op	30.10	- .07	51	46	+ 1	NW	3	b	1	57	44	0.02		
Leith ...	30.25	55	W	3	c	30.16	- .09	49	46	- 3	W	1	o	*	59	46	-		
Shields ...	30.24	55	W	3	o	30.16	- .12	45	41	- 4	W	3	c	2	59	45	-		
Spurn Head ...	30.29	51	SSE	3	c	30.21	- .11	50	48	+ 1	WNW	4	bc	2	57	46	-		
York ...	30.31	56	WNW	2	o	30.22	- .10	51	48	- 1	W	3	o	*	63	46	0.02		
Loughborough	30.34	58	W	3	b	30.27	- .11	49	47	- 4	W	2	r	*	64	46	-		
Ardrossan ...	30.31	51	WNW	4	c	30.15	- .15	47	47	- 3	SSW	4	rm	3	55	45	0.15		
Malin Head ...	30.33	50	WNW	3	om	30.18	- .22	50	50	+ 1	W	3	orm	3	54	47	0.33		
Mullaghmore ...	30.40	52	W	4	bc	30.27	- .18	51	50	0	WSW	5	om	4	55	48	0.01		
Belmullet ...	30.43	53	WNW	4	c	30.31	- .15	52	51	+ 1	W	6	o	*	55	50	-		
Donaghadee ...	30.36	53	NE	3	b	30.22	- .18	48	48	- 3	W	4	r	2	60	46	0.21		
GERMANY.																			
Barrow-in-Furness	30.31	50	SW	3	b	30.24	- .12	48	47	- 1	WNW	3	o	*	54	47	0.02		
Liverpool (Bidston)	30.37	53	W	3	bc	30.28	- .14	48	46	- 2	W	4	o	3	55	46	0.05		
Holyhead ...	30.29	50	SW	4	bc	30.30	- .15	48	46	- 7	WSW	1	o	1	58	45	-		
Parsonstown ...	30.41	58	WSW	1	b	30.35	- .13	53	51	+ 2	W	2	og	*	61	41	-		
Valencia ...	30.47	54	WSW	3	c	30.42	- .11	53	52	+ 2	NW	1	bc	1	60	49	-		
Roche's Point...	30.44	58	WSW	4	b	30.38	- .13	54	50	+ 4	NW	3	c	3	60	46	-		
Pembroke ...	30.42	49	NW	2	b	30.34	- .12	48	47	- 3	NW	2	bc	1	52	45	-		
Scilly ...	30.43	52	N	2	b	30.37	- .10	52	50	+ 2	NNW	3	c	4	55	47	-		
Prawle Point ...	30.39	52	W	2	b	30.34	- .12	50	52	+ 1	W	2	bc	1	59	47	-		
Jersey ...	30.38	57	NNW	3	bm	30.33	- .09	55	50	0	NNW	3	bc	3	62	43	-		
FRANCE & NETHERLANDS.																			
Hurst Castle ...	30.35	55	WSW	3	bm	30.32	- .12	51	49	- 4	WNW	2	bm	0	59	43	-		
Dungeness ...	30.31	53	W	3	bc	30.25	- .10	51	49	- 2	NNW	3	o	2	60	43	-		
London ...	30.22	62	WNW	3	b	30.27	- .12	54	48	+ 1	NW	1	o	*	65	42	-		
Oxford ...	30.36	55	NNW	3	b	30.29	- .13	51	49	- 2	WNW	1	o	*	64	44	-		
Cambridge ...	30.31	56	NW	1	b	30.25	- .13	52	50	- 1	NW	1	c	*	67	44	-		
Yarmouth ...	30.30	52	Z	0	bc	30.21	- .11	51	47	0	NW	3	c	2	58	45	-		
Cuxhaven ...	30.16	48	NNW	4	o	30.08	- .12	48	47	0	WNW	3	r	*	52	46	-		
Berlin ...	30.08	54	NW	3	o	30.05	- .05	48	43	- 4	NW	4	c	*	59	45	-		
Wiesbaden ...	*	*	*	*	*	30.22	- .02	50	46	- 6	W	3	b	*	64	45	-		
Munich ...	30.20	48	W	2	o	30.19	- .02	48	46	- 2	NW	3	o	*	57	43	0.20		
PENINSULA.																			
The Helder ...	30.27	48	NNW	1	b	30.14	- .13	47	46	- 1	NNW	3	r	3	50	46	-		
Brussels ...	*	*	*	*	*	30.18	- .13	52	49	0	SW	4	o	*	60	47	-		
Cape Gris Nez...	30.33	55	SW	1	b	30.25	- .03	49	48	- 1	WSW	3	m	1	63	46	-		
Paris ...	30.32	61	N	4	b	30.31	- .05	49	49	- 2	SW	1	b	*	65	42	-		
Brest ...	30.41	62	NW	5	o	30.38	- .14	48	47	0	N	3	b	3	61	36	-		
Lorient ...	30.37	60	N	1	b	30.38	- .05	48	46	- 4	ENE	3	b	2	64	45	-		
Roche fort ...	30.33	69	N	5	c	30.33	- .06	54	51	+ 1	ENE	5	b	2	73	46	-		
Belfort ...	30.19	61	E	1	b	30.21	- .04	54	48	+ 4	E	1	b	*	67	35	-		
Lyons ...	30.20	62	N	4	b	30.23	- .02	50	45	- 5	NNW	7	b	*	68	48	-		
Nice ...	30.04	62	Z	0	b	30.01	- .03	59	52	- 7	S	1	b	1	70	52	-		
Perpignan ...	30.09	71	NW	5	b	30.13	- .05	58	58	+ 4	NW	3	b	*	78	55	-		
Biarritz ...	30.21	60	W	5	b	30.24	- .10	57	55	0	NNW	4	o	2	64	55	-		
Corunna ...	*	*	*	*	*	30.18	- .09	62	59	- 2	NE	5	b	5	70	54	-		
Lisbon ...	30.00	73	NNE	5	bc	29.98	- .11	62	56	+ 2	NNE	5	b	2	77	57	-		

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

WEATHER CHARTS

for 8 a.m. on WEDNESDAY 11th May, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

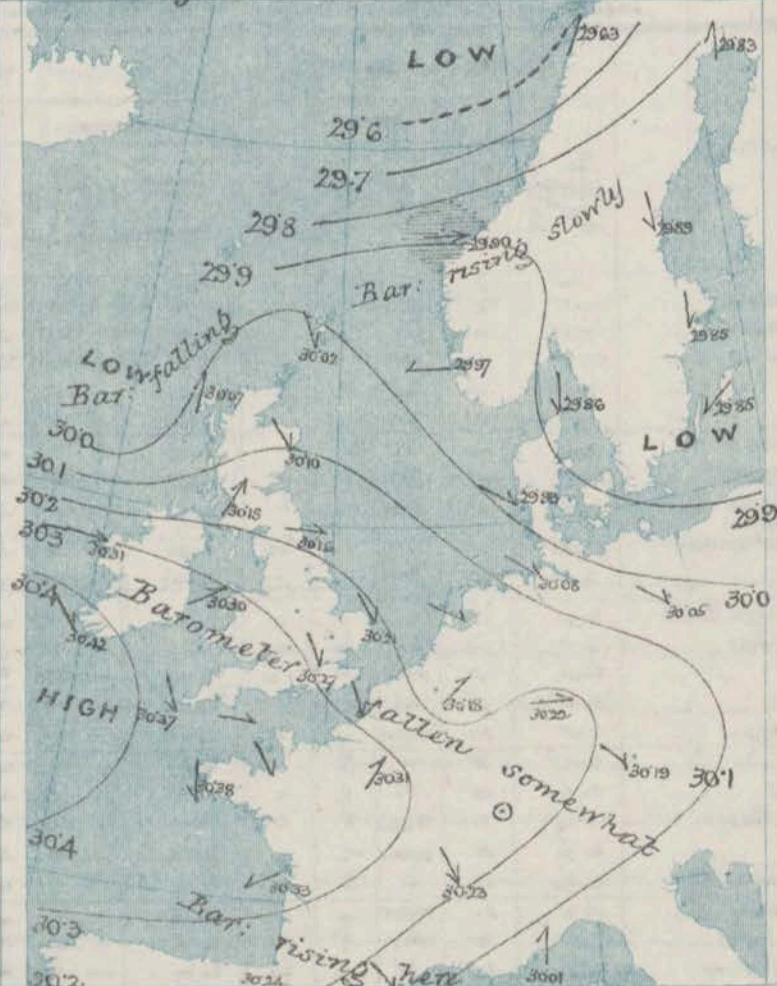
Barometer—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus—
 *— force above 10; — force 8 to 10;
 — force 5 to 7; — force 1 to 4;
 ○— dead calm.

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.896
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	30.980
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.998
Cambridge	29.995
Yarmouth	29.984



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins and more over the south-west of Ireland and adjacent parts of the Atlantic.
 Lowest 29.6 ins and less off the north-west of Norway, about 29.8 ins over the south of the Baltic, 30.0 ins off the Hebrides.
 Gradients, slight to moderate, and very variable. Barometer falling most in north-west.

TEMPERATURE

Highest, 68° at Perpignan, 62° at Lisbon, 56° at Praule Point, 54° at Belfort and in London, 53° at Palermo and Stockholm, 52° at Brussels.
 Lowest, 36° at Haparanda, 42° at Christiansund, 45° at Shields, 46° at Edinburgh Head and Sanz.
 It appears to be giving way over the British Isles generally.

WIND

S.W. and S.W. in the west of Scotland and north-west of Norway — W. to N.W. in most other places, and blows strongly in the north of Ireland.
 Over the Bay of Biscay and Portugal it is N.E., moderate to fresh.

WEATHER

Clear over France and our south-western coast and in the south of Sweden, cloudy elsewhere — with rain in the north of Ireland and west of Scotland, and slight showers in some parts of England.
 Cirrus clouds, moving from the westward and north-westward, were seen at several stations yesterday afternoon, and a solar halo in some places.

SEA

Rather rough at Christiansund, moderate at Mullaghmore and Bally, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A depression now lying off our north-western coast will probably move south-eastwards during the coming 24 hrs and cause showery, unsettled weather over the greater part of the Kingdom with lower temperature than we have had since Sunday, and W. to N.W. winds.

FORECASTS

for the 24 hours ending at NOON on 12th May 1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	S. to W. and N.W. winds, freshening, showery, unsettled.
1	SCOTLAND EAST	Do Do
2	ENGLAND N.E.	Similar to N° 5.
3	ENGLAND EAST	Similar to N° 5.
4	MIDLAND COUNTIES	Similar to N° 5.
5	ENGLAND SOUTH	W. to N.W. winds, cloudy, changeable, then showery.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	W. and N.W. winds, fresh to strong, squally, showery.
7	ENGLAND N.W.	Do Do
8	ENGLAND S.W.	N.W. breezes, fresh, cloudy, fair as a whole.
9	IRELAND NORTH	Same as N° 6.
10	IRELAND SOUTH	Same as N° 8.
WARNINGS		None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	30.02	48	44	WNW	6	c	3	Holyhead ...	30.42	57	51	WNW	1	b	1
Sumburgh Head ...	30.05	49	45	W	1	c	3	Valencia ...	30.49	59	54	WNW	3	b	2
Stornoway ...	30.20	50	48	W	5	oap	4	Scilly ...	30.45	54	52	N	2	b	4
Aberdeen ...	30.18	57	52	WNW	4	c	1	Dungeness ...	30.35	55	53	WSW	3	bc	2
Shields ...	30.25	56	49	WNW	4	c	2	London ...	30.35	62	57	NNW	3	b	*
Ardrossan ...	30.31	55	52	WNW	4	bc	3	Yarmouth ...	30.32	55	50	NNW	2	c	2
Malin Head ...	30.06	53	50	WNW	3	o	3	Jersey ...	30.41	61	57	N	2	b	2
Mullaghmore ...	30.44	54	50	W	5	b	4	Rochefort ...	30.37	65	60	NW	5	r	2
Belmullet ...	30.46	55	49	WSW	5	b	*								

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The continental reports for yesterday morning showed that the highest pressures, 30.5 mm. and upwards, were found in an anticyclone lying to the southwestward of the British Islands, while large depressions, with readings below 29.7 mm., were lying respectively over the north of Scandinavia and over Turkey. Moderate breezes from the westward prevailed over the north of our islands and the eastern shores of the North Sea, NW^{ly} breeze in Germany and the Netherlands and NE^{ly} breezes in France, but over the Baltic provinces the wind was S^{ly} while over Southern Europe it was somewhat variable. The weather was cloudy at nearly all the northern stations, with local showers, but fine in the south. Temperature had fallen a little over the northern parts of the United Kingdom, as well as in Austria and the Netherlands, but risen in most other localities; readings ranged from 65° and upwards at the Spanish, Algerian, and Southern French and Italian stations to 40° or less over the northern parts of Russia and Sweden. The highest individual readings were 67° at Cagliari, 66° at London, Nice and Brindisi, and 64° at Trieste, Genoa, Algiers and Sfax; the lowest were 36° at Anapio, 37° at Archangel, 38° at Haparanda, 39° at Helsingfors, 40° at Hangö and 41° at Helsinki.

In the course of the day very little change occurred in the general distribution of pressure, but the barometer fell steadily over our islands and France. The weather in ^{the N. of} our islands remained cloudy, but in the south the conditions were fine, with a considerable fall of temperature in the night.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

1887.

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

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Ins.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sun. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																			
Haparanda ...	29.86	44	SE	2	bc	Ins.	29.81	-0.05	44	41	+3	SE	0	c	*	51	36	-	
Hernösand ...	29.89	41	SE	0	b	Ins.	29.85	-0.04	44	39	-1	SE	0	b	*	51	36	-	
Stockholm ...	29.85	43	NE	2	b	Ins.	29.81	-0.04	45	42	-3	NE	4	c	*	59	39	-	
Wisby ...	29.78	44	E	4	bc	Ins.	29.76	-0.02	41	40	-1	N	4	c	*	63	39	-	
Bodö ...	29.75	40	SW	6	r	Ins.	29.84	+0.09	41	37	-4	W	4	c	2	43	37	0.85	
Christiansund...	29.98	40	NW	3	c	Ins.	29.99	+0.01	36	35	-1	W	6	r	4	43	32	0.20	
Skudesnaes ...	29.97	44	NW	6	c	Ins.	29.96	-0.01	44	38	-6	NW	6	c	3	50	?	-	
Christiania Fjord (Færd)	29.84	49	S	2	b	Ins.	29.85	-0.01	48	43	+5	NE	4	b	2	52	46	-	
Skagen (The Scaw)	29.83	46	NNE	1	bc	Ins.	29.82	-0.01	48	46	+2	ENE	1	b	0	54	46	-	
Fanö ...	29.91	42	NW	3	b	Ins.	29.89	-0.02	47	45	+2	NW	4	bc	*	52	41	-	
BRITISH ISLANDS.																			
Sumburgh Head	30.05	47	W	1	o	Ins.	30.13	+0.08	44	40	-4	NNE	1	bc	1	51	37	-	
Stornoway ...	30.10	49	E	1	o	Ins.	30.21	+0.11	50	48	+2	WNW	2	r	2	56	44	-	
Wick ...	30.08	51	S	1	bc	Ins.	30.14	+0.06	52	48	-4	NW	4	c	1	54	88	-	
Nairn ...	30.06	51	W	1	c	Ins.	30.16	+0.08	48	45	-3	WNW	1	c	1	57	41	-	
Aberdeen...	30.08	49	ESE	2	c	Ins.	30.15	+0.07	49	46	-3	NW	4	c	1	57	39	-	
Leith ...	30.05	54	ENE	1	o	Ins.	30.17	+0.12	54	51	+3	NW	1	cm	*	59	44	0.30	
Shields ...	30.06	52	S	1	of	Ins.	30.16	-0.01	47	45	+2	NW	2	c	2	55	43	-	
Spurn Head ...	30.12	49	ESE	2	c	Ins.	30.15	-0.03	49	47	-2	NNE	3	b	2	54	45	0.01	
York ...	30.11	53	W	2	o	Ins.	30.16	-0.05	51	47	-4	NW	1	bc	*	60	46	0.07	
Loughborough	30.15	52	W	2	r	Ins.	30.13	-0.02	52	50	+2	WNW	2	og	*	53	48	0.14	
Ardrossan ...	30.09	51	WNW	3	o	Ins.	30.20	+0.11	51	49	+2	WNW	5	b	3	58	46	0.11	
Malin Head ...	30.15	50	NW	3	o	Ins.	30.27	+0.12	48	48	-2	NW	3	od	2	50	46	0.21	
Mullaghmore ...	30.25	51	W	5	d	Ins.	30.31	+0.06	50	50	-1	WNW	4	of	3	52	49	0.05	
Belmullet ...	30.31	53	NW	5	o	Ins.	30.37	+0.06	51	51	-1	NW	3	o	*	55	50	0.01	
Donaghadee ...	30.14	53	NW	4	o	Ins.	30.24	+0.10	50	49	+1	NE	4	o	2	55	48	0.24	
Barrow-in-Furness	30.11	50	NW	3	o	Ins.	30.16	-0.05	50	49	+1	NW	4	b	*	50	46	0.31	
Liverpool (Bidston)	30.14	50	W	5	r	Ins.	30.20	-0.06	47	46	-1	WNW	3	o	2	52	47	0.11	
Holyhead ...	30.19	51	WNW	4	om	Ins.	30.24	-0.05	49	48	+1	NW	3	c	3	52	47	0.30	
Parsonstown ...	30.28	58	W	1	c	Ins.	30.32	-0.04	53	51	-2	NW	1	og	*	61	50	-	
Valencia ...	30.39	56	NW	4	c	Ins.	30.40	-0.01	54	53	+1	N	3	om	3	60	51	-	
Roche's Point...	30.33	56	WNW	4	c	Ins.	30.29	-0.04	54	51	-3	WNW	5	c	4	59	50	-	
Pembroke ...	30.25	49	WNW	3	c	Ins.	30.25	-0.01	50	49	+1	WNW	4	c	2	51	48	-	
Scilly ...	30.32	53	WNW	4	c	Ins.	30.27	-0.05	53	52	+1	WNW	5	o	4	57	50	-	
Prawle Point ...	30.27	54	NW	3	c	Ins.	30.20	-0.07	55	53	-2	N	3	o	2	64	51	-	
Jersey ...	30.26	52	WNW	3	ogm	Ins.	30.18	-0.08	54	52	-2	NW	3	ogm	3	61	49	0.04	
Hurst Castle ...	30.12	56	WNW	2	cp	Ins.	30.14	-0.02	59	56	+3	N	4	bc	1	63	50	0.01	
Dungeness ...	30.17	53	N	1	o	Ins.	30.06	-0.11	54	52	+2	N	4	o	2	62	48	-	
London ...	30.18	54	WNW	2	o	Ins.	30.11	-0.07	54	50	-4	WNW	2	o	*	58	51	0.02	
Oxford ...	30.18	52	W	2	o	Ins.	30.16	-0.02	57	49	-8	NW	3	o	*	56	51	0.03	
Cambridge ...	30.16	52	NW	1	o	Ins.	30.11	-0.05	51	50	-1	NW	1	o	*	57	49	-	
Yarmouth ...	30.13	51	WNW	1	c	Ins.	30.11	-0.02	48	46	-2	NE	3	c	3	53	46	0.06	
Cuxhaven ...	30.01	44	NW	4	o	Ins.	29.96	-0.05	47	45	-2	WNW	4	c	*	49	44	0.04	
Berlin ...	29.93	47	WNW	3	r	Ins.	29.91	-0.02	46	43	-3	WNW	4	c	*	55	43	0.12	
Wiesbaden ...	*	*	*	*	*	Ins.	30.05	-0.17	50	45	-5	NW	3	c	*	55	45	0.12	
Munich ...	30.06	48	NW	1	o	Ins.	30.04	-0.02	48	41	-7	NW	4	c	*	54	41	0.20	
FRANCE & NETHERLANDS.																			
The Helder ...	30.10	47	NW	1	c	Ins.	30.06	-0.04	47	44	-3	WNW	3	c	3	50	45	0.04	
Brussels ...	*	*	*	*	*	Ins.	30.04	-0.06	48	48	-1	NW	1	r	*	57	46	0.04	
Cape Gris Nez...	30.01	50	SE	0	o	Ins.	30.06	-0.05	50	50	-1	N	3	o	2	55	46	0.04	
Paris ...	30.20	56	N	4	o	Ins.	30.12	-0.08	53	49	-4	NW	1	o	*	65	49	-	
Brest ...	30.33	53	N	5	b	Ins.	30.27	-0.06	51	50	+1	NW	4	o	3	61	36	-	
Lorient ...	30.29	58	WNW	4	bc	Ins.	30.26	-0.03	50	49	+1	N	4	bc	2	61	45	-	
Rocheport ...	30.27	60	NW	5	bc	Ins.	30.25	-0.02	53	50	-3	N	5	bc	2	73	46	-	
Belfort ...	30.15	58	W	1	c	Ins.	30.15	-0.01	50	46	-4	W	1	c	*	60	44	0.08	
Lyons ...	30.14	60	NNE	4	b	Ins.	30.13	-0.01	51	48	-3	WNW	3	o	*	65	49	-	
Nice ...	29.94	64	SE	0	o	Ins.	29.89	-0.05	56	55	-1	SE	0	o	2	66	52	-	
Perpignan ...	30.05	73	NW	5	b	Ins.	30.10	-0.03	64	53	-11	NW	4	b	*	80	59	-	
Biarritz ...	30.21	61	W	5	b	Ins.	30.22	-0.01	58	56	-2	W	4	c	2	66	55	-	
Corunna ...	*	*	*	*	*	Ins.	30.01	+0.03	63	60	+3	SSW	1	c	2	79	61	-	
Lisbon ...	29.93	72	SW	4	bc	Ins.	30.01	+0.08	63	60	+3	SSW	1	c	2	79	61	-	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on *Thursday, 12th May* 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

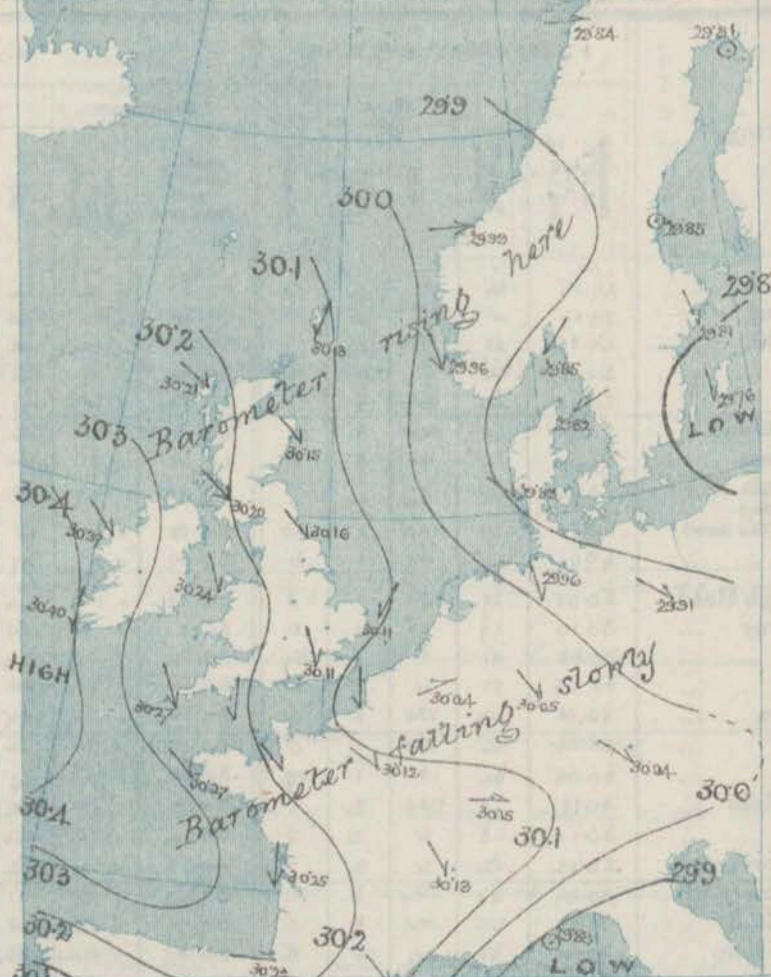
Sea Disturbance — where considerable is shown thus

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	<i>in.</i>
Sumburgh Head	29.898
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	29.989
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of *May*

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sunburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.64
Wick	53.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	56.6	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.6	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	46.3	51.7	48.6	3.05
Pembroke	55.6	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.6	50.1	1.66
Hurst Castle	58.0	45.2	51.2	49.9	1.70
Dover	56.3	46.4	52.5	49.0	1.77
LONDON	61.5	48.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.9	41.8	50.7	47.6	1.76
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 ins at Ballinac, 30.3 ins at Roches Pt and Mullaghmore.
 Lowest, 29.76 ins at Jersey, 29.84 ins at Bods, 29.9 ins at Nice and 30.0 ins at Brussels and Lisbon.
 Gradients are moderate, but somewhat irregular, for N.W. winds. Barometer is rising north falling south.

TEMPERATURE

Highest, 64° at Perpignan, 63° at Lisbon, 59° at Harst Castle, 56° at Nice, 54° at Valencia, Roches Point and Leith, 52° at Wick.
 Lowest, 36° at Christiansund and Skudersnaas, 41° at Bods and Jersey, 43° at Meunich, 48° at Brussels.
 It had fallen decidedly over Germany and Norway during the past 24 hours.

WIND

W. rather strong, in north-west of Norway, — W. and N.W. moderate over the British Isles.
 W. fresh, over Germany and France, — N. over the Bay of Biscay.
 At Lisbon the wind is very light and has shifted from N.E. to S.W.

WEATHER

Cloudy generally, with rain at Brussels, Hornum, Malin Head and in the west of Norway. In the west of France the weather is fine.
 [Rain showers fell yesterday except in Ireland, the north of Scotland and France.]

SEA

Moderate at the mouths of the English and Irish Channels, and at Christiansund.
 Slight or smooth elsewhere — very smooth off the north-east of Scotland.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The changes now in progress are slight, and are favourable for a continuance of the N.W. winds and cold weather now prevalent. The very shallow local disturbances may cause slight passing showers in places today, but the night will probably be fair and cold.
 No decided change of weather is indicated at present.

FORECASTS

For the 24 hours ending at NOON on 13th May 1887.

DISTRICTS.

FORECASTS.

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

NW^{ly} to N^{ly} winds, light, fair, cold at night.

D° ————— D°

Same as N° 5.

Same as N° 5.

Same as N° 5.

NW^{ly} and N^{ly} breezes, moderate, cloudy, fair, cold and clear at night

DISTRICTS.

FORECASTS.

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

N^{ly} breezes, moderate or fresh, fair generally, cold.

D° ————— D°



D° ————— D°

D° ————— D°

D° ————— D°

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeanaes ...	29.98	50	42	NW 4	b	3	Holyhead ...	30.23	49	49	WSW 4	rm	3
Sumburgh Head ...	30.05	50	47	W 1	bc	1	Valencia ...	30.42	58	55	NW 4	em	4
Stornoway ...	30.08	54	52	E 1	bc	1	Scilly ...	30.87	55	54	WNW 2	0	4
Aberdeen ...	30.07	53	49	S 3	c	1	Dungeness ...	30.20	58	53	NW 4	0	2
Shields ...	30.10	54	49	W 2	op	2	London ...	30.23	56	49	WNW 4	op	*
Ardrossan ...	30.09	52	51	WNW 3	0	2	Yarmouth ...	30.17	52	49	N 2	c	2
Malin Head ...	30.14	50	50	WNW 3	0	4	Jersey ...	30.32	58	52	NW 3	bc	3
Mullaghmore ...	30.25	51	51	W 6	om	5	Rochefort ...						
Belmullet ...	30.30	55	53	WNW 6	0	*							

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

The continental reports for yesterday morning showed that pressure was highest, 30.3 mm. and upwards, in an anticyclone lying over our southwest coasts and the northern part of the Bay of Biscay, but relatively high, 30.1 mm. and upwards over Northern Russia. The lowest readings, 29.7 mm. and less, were found in two depressions lying respectively over the north of Norway and the southwest of Russia, but a third shallow disturbance, with readings below 30.0 mm., existed off the northwest of Scotland. Moderate to fresh breezes from SW or S. were reported in the extreme northwest of our islands, but NW⁴ breezes over our southern coasts and also over Germany, Austria and France, and N⁴ or NE⁴ breezes over Southern Europe. The weather was fair over the greater part of the Continent, but rain was falling in the Netherlands and the northwest of our islands as well as at some of the North German stations.

Temperature had fallen a little over Scandinavia, Germany & Austria, but changed irregularly elsewhere; readings ranged from 65° and upwards at many of the Algerian, Spanish and Italian stations to 40° or less over Lapland & Finland.

The highest individual readings were 71° at Oran, 68° at Berpignan and Cagliari, 67° at Barcelona and 65° at Palermo, Algiers and Biskra; the lowest were 36° at Haparanda, 42° at Bodö, Christiansund and Vlesborg and 45° at Copenhagen and Helsingland.

In the course of the day the shallow depression in the extreme northwest moved southeastwards across Scotland to the North Sea and rainy weather therefore extended over the major part of Great Britain. On our northwest coasts the wind veered to the NW⁴ and freshened somewhat.

"The Times" reports that high winds and rain were experienced yesterday in the eastern provinces of Austria, and further that a severe storm from SW. prevailed at Tangiers.

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 May 1887.

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

Issued by the Meteorological Office, 16, Victoria Street, London, W. H. SCOTT, Secretary.																		
STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.	
	Barometer at 5 P.M. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer. Reading at 8 P.M. 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 ..	29.78	44	Z	0	bc	29.86	+ 0.5	45	40	+ 1	N	4	bc	*	57	32	-	
Hernösand ...	29.80	46	NW	2	b	29.94	+ 0.9	48	41	+ 4	N	2	bc	*	59	32	-	
Stockholm ...	29.81	45	N	2	bc	29.85	+ 0.4	48	42	+ 3	N	4	bc	*	54	41	-	
Wisby ...	29.80	42	ESE	4	c	29.80	+ 0.4	44	41	+ 3	N	4	b	*	48	36	-	
Bodö ...	29.99	41	W	2	b	30.10	+ 2.6	39	37	- 2	NNE	2	r	1	45	36	0.32	
Christiansund...	30.09	39	NW	2	bc	30.20	+ 2.1	40	39	+ 4	S	3	r	4	?	32	0.28	
Skudesnaes ...	29.96	41	NW	8	b	30.08	+ 1.2	48	41	+ 4	N	4	b	3	?	41	-	
Christiania Fjord (Færder)	29.84	45	N	8	c	29.99	+ 1.2	44	38	- 4	NNE	8	b	2	48	41	-	
Skagen (The Scaw)	29.80	44	ESE	2	0	29.88	+ 0.6	46	42	- 2	NE	5	c	3	55	43	0.28	
Fanö ...	29.83	42	NW	4	b	29.84	- 0.5	48	45	+ 1	NW	3	c	*	52	37	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.23	40	N	3	0	30.36	+ 2.3	40	35	- 4	N	2	0	2	47	36	-	
Stornoway ...	30.34	48	NE	3	cp	30.47	+ 2.6	45	41	- 5	E	1	b	1	52	36	0.02	
Wick ...	30.28	46	NE	4	c	30.41	+ 2.7	46	43	- 6	NE	3	0	1	55	36	0.02	
Nairn ...	30.27	46	NW	3	c	30.42	+ 2.6	43	38	- 5	NNE	3	c	3	56	36	0.04	
Aberdeen...	30.24	46	N	5	bc	30.37	+ 2.2	43	38	- 6	N	6	c	2	57	39	0.41	
Leith ...	30.21	40	NE	1	c	30.41	+ 2.4	43	38	- 11	N	1	c	*	59	39	0.02	
Shields ...	30.13	47	E	1	cp	30.30	+ 1.4	43	38	- 4	N	4	0	5	53	39	0.04	
Spurn Head ...	30.13	48	NNE	3	r	30.21	+ 0.6	45	42	- 4	N	6	cgyph	5	54	38	0.08	
York ...	30.13	50	E	1	r	30.28	+ 1.2	44	40	- 7	N	5	0	*	60	38	0.10	
Loughborough	30.11	53	W	3	0	30.27	+ 1.4	46	41	- 6	NW	4	bc	*	59	40	-	
Ardrossan ...	30.17	54	NW	5	b	30.42	+ 2.2	46	46	- 5	NE	3	b	1	55	38	-	
Malin Head ...	30.30	49	NW	3	0	30.43	+ 1.6	46	43	- 2	NNE	3	0	2	50	45	0.01	
Mullaghmore ...	30.34	51	NW	4	c	30.45	+ 1.4	49	45	- 1	N	5	bv	3	54	44	-	
Beimullet ...	30.40	52	N	5	0	30.48	+ 1.1	50	46	- 1	N	2	b	*	52	44	0.01	
Donaghadee ...	30.24	52	NE	6	b	30.42	+ 1.8	47	43	- 3	NE	5	b	3	54	43	-	
GERMANY.																		
Barrow-in-Furness	30.13	51	N	4	b	30.33	+ 1.7	42	38	- 8	NNE	3	bc	*	55	40	-	
Liverpool (Bidston)	30.16	51	NW	4	b	30.36	+ 1.6	45	39	- 2	NNE	4	bc	3	53	40	-	
Holyhead ...	30.23	50	NW	1	c	30.39	+ 1.5	44	41	- 5	NNE	4	c	4	54	44	-	
Parsonstown ...	30.32	58	NW	1	c	30.45	+ 1.3	47	45	- 6	N	0	c	*	61	38	-	
Valencia ...	30.40	56	NW	2	om	30.45	+ 0.5	54	50	0	NE	3	c	3	60	49	-	
Roche's Point...	30.32	56	NW	4	c	30.39	+ 1.0	52	48	- 2	N	4	b	3	61	45	-	
Pembroke ...	30.23	51	NW	2	c	30.32	+ 0.7	50	46	0	NNE	4	c	3	57	46	-	
Scilly ...	30.27	53	NW	4	0	30.29	+ 0.2	50	48	- 3	N	5	0	5	54	48	-	
Prawle Point ...	30.18	60	N	3	bc	30.26	+ 0.6	50	46	- 5	ESE	4	c	2	69	47	-	
Jersey ...	30.16	55	NW	3	cgm	30.17	- 0.1	50	47	- 4	NE	4	bem	4	61	48	-	
FRANCE & NETHERLANDS.																		
Hurst Castle ...	30.13	55	NNE	2	a	30.23	+ 0.9	48	44	- 11	NNE	4	c	1	65	44	-	
Dungeness ...	30.11	48	E	2	c	30.12	+ 0.6	42	42	- 12	NNE	5	r	4	62	42	0.18	
London ...	30.12	53	N	2	og	30.19	+ 0.8	44	40	- 10	N	4	c	*	58	43	0.03	
Oxford ...	30.14	50	NW	2	b	30.26	+ 1.0	44	41	- 7	N	4	c	*	58	42	-	
Cambridge ...	30.10	52	N	1	0	30.20	+ 0.9	44	41	- 7	N	3	c	*	60	38	0.23	
Yarmouth ...	30.09	50	NW	3	bc	30.11	0.0	44	42	- 4	NW	5	cgy	4	53	39	0.07	
Cuxhaven ...	29.92	44	NW	4	c	29.82	- 1.4	47	44	0	NNE	2	b	*	48	44	-	
Berlin ...	29.83	48	SW	2	bc	29.83	- 0.8	45	41	- 1	NW	2	0	*	55	41	0.20	
Wiesbaden ...	*	*	*	*	*	29.92	- 1.3	45	41	- 5	NW	3	c	*	55	43	0.04	
Munich ...	29.99	44	W	3	0	29.86	- 1.8	42	41	- 1	SW	5	r	*	50	39	0.24	
SPAIN.																		
The Helder ...	30.01	46	NW	4	c	29.98	- 0.8	45	41	- 2	N	5	c	3	50	43	0.04	
Brussels ...	*	*	*	*	*	30.04	0.0	42	40	- 6	NW	1	b	*	59	41	0.04	
Cape Gris Nez...	30.10	46	NNE	4	0	30.08	+ 0.2	41	40	- 9	NNE	7	r	5	55	41	0.12	
Paris ...	30.08	59	N	3	bc	30.08	- 0.4	46	44	- 7	N	4	r	*	64	45	-	
Brest ...	30.25	50	NW	4	bc	30.17	- 1.0	49	46	- 2	NNE	5	c	2	59	41	-	
Lorient ...	30.19	58	NE	5	b	30.16	- 1.0	51	47	+ 1	NNE	5	b	4	61	46	-	
Rocheport ...	30.17	59	NW	7	0	30.15	- 1.0	53	51	0	N	5	b	2	64	46	-	
Belfort ...	30.01	55	W	1	c	29.91	- 2.4	49	45	- 1	W	1	c	*	56	42	0.16	
Lyons ...	30.05	55	NW	1	c	29.99	- 1.4	48	46	- 3	N	3	r	*	59	48	-	
Nice ...	29.79	59	W	4	bc	29.76	- 1.3	55	55	- 1	W	0	r	2	68	52	0.04	
PORTUGAL.																		
Perpignan ...	29.98	71	NW	4	c	29.98	- 1.2	59	53	- 5	NW	4	0	*	77	57	-	
Biarritz ...	30.17	59	N	5	c	30.13	- 0.9	57	54	- 1	N	7	0	2	68	57	-	
AFRICA.																		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lisbon ...	29.98	64	N	5	0	29.94	- 0.7	64	58	+ 1	NNE	4	b	2	72	59	-	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Friday, 13th May,

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

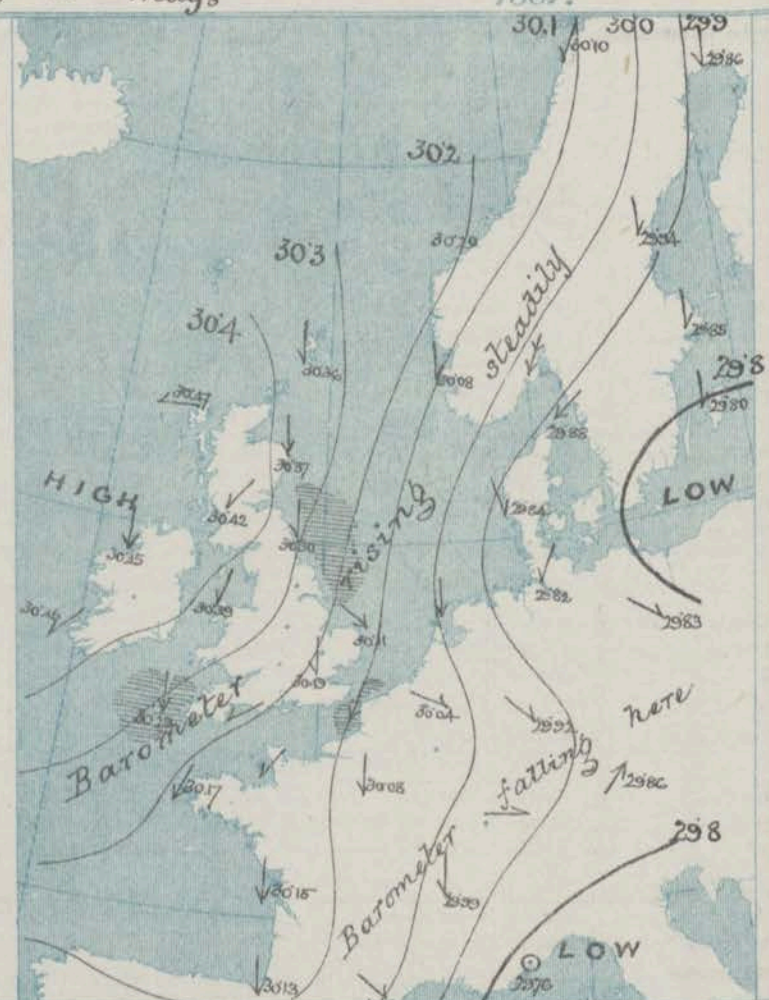
Sea Disturbance — where considerable is shown thus

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.	
	in.	
Sumburgh Head.	29.896	
Stornoway.	29.911	
Wick.	29.925	
Nairn.	29.939	
Aberdeen.	29.956	
Leith.	29.958	
Shields.	29.969	
York.	29.981	
Ardrossan.	29.967	
Donaghadee.	29.974	
Holyhead.	29.981	
Liverpool.	29.987	
Valencia.	30.006	
Roche's Point.	29.991	
Pembroke.	29.989	
Scilly.	30.011	
Hurst Castle.	29.994	
Dover.	29.984	
LONDON.	29.997	
Oxford.	29.996	
Cambridge.	29.995	
Yarmouth.	29.984	



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

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

Weather is shown by Letters of the Beaufort Scale.

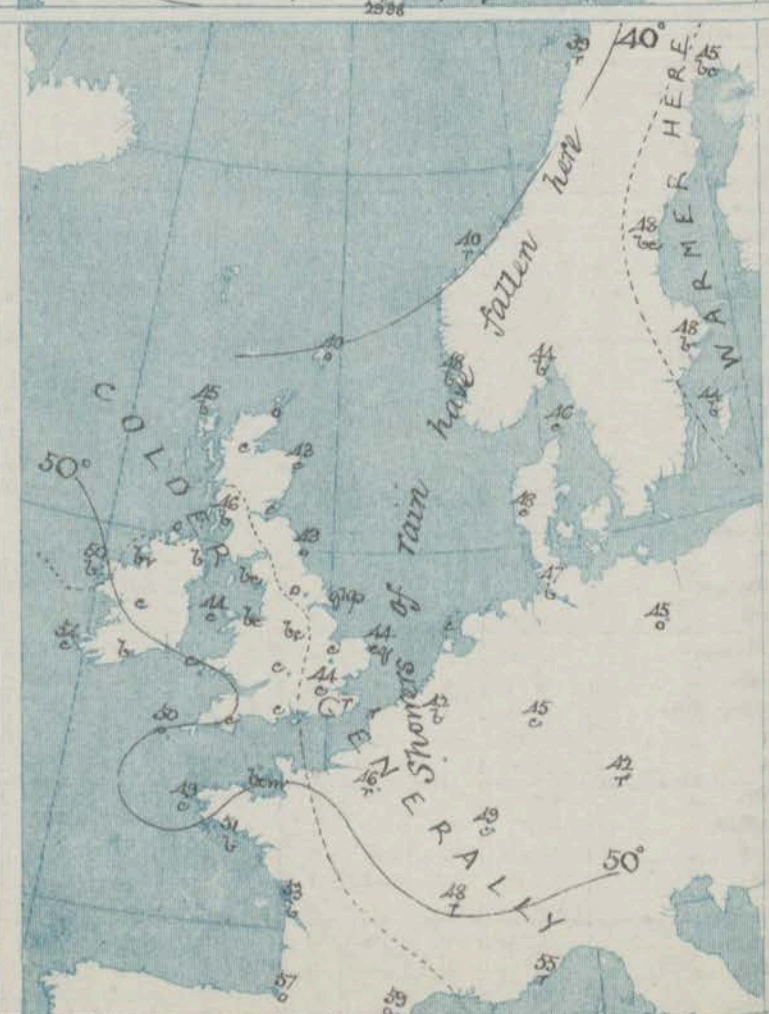
Rainfall A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.	50.2	40.0	45.9	43.8	1.71
Stornoway.	52.9	40.7	48.7	46.2	2.64
Wick.	53.5	40.4	47.7	45.1	1.62
Nairn.	55.7	42.1	48.4	45.0	1.67
Aberdeen.	54.4	42.3	48.4	44.9	1.90
Leith.	57.9	42.3	49.8	47.0	1.65
Shields.	53.7	43.5	48.8	45.7	1.75
York.	58.4	41.6	49.2	46.3	1.71
Ardrossan.	56.6	44.3	49.5	46.0	2.20
Donaghadee.	55.8	44.1	49.6	47.3	2.15
Holyhead.	56.1	46.5	50.2	47.7	1.88
Liverpool.	57.1	44.5	50.2	46.6	1.74
Valencia.	58.1	46.0	52.8	49.3	2.89
Roche's Point.	60.5	46.3	51.7	48.6	3.05
Pembroke.	55.6	45.8	49.9	47.3	1.97
Scilly.	56.3	48.4	52.6	50.1	1.66
Hurst Castle.	58.0	45.2	51.2	49.9	1.70
Dover.	56.3	46.4	52.5	49.0	1.77
LONDON.	61.5	48.7	52.0	48.2	1.73
Oxford.	60.2	44.1	50.1	47.3	1.83
Cambridge.	60.9	41.8	50.7	47.6	1.76
Yarmouth.	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.10 ins to 30.48 ins over Ireland and Scotland.
 Lowest, 29.9 ins over the south of Portugal, 29.8 ins over the south-western parts of the Baltic, and about 29.7 ins over the Gulf of Genoa.
 Gradients slight in the west, moderate elsewhere. Barometer rising except over Germany, Holland and the east and south of France.

TEMPERATURE

Highest, 64° at Lisbon, 59° at Harpynan, 55° at Nice, 54° at Valencia.
 Lowest, 39° at Bodo, 40° at Christiansund and Dumbrough Head, 43° in the east of Scotland and at Shields, 44° over our eastern counties.
 It has fallen decidedly during the past day, most in the south-east of England.

WIND

N. or N.W. almost everywhere — fresh to strong over the eastern parts of our area, light to fresh in the west.
 A N.E. gale is reported in the Christiania Fiord.

WEATHER

Dry and bright in the west, cloudy and dull elsewhere, with occasional passing showers at the eastern stations and cold rain in the west of Norway, and in the north-east of France.

SEA

Rather rough on our north-eastern and eastern coasts, and at Shilly, generally moderate elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer still rises over the United Kingdom — most in the north, so that the wind will probably veer a little during the ensuing 24 hours, and the dry weather in the west become rather more general.
 No decided change, however is indicated.

FORECASTS

for the 24 hours ending at NOON on 14th May 1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	N ^{ly} winds, fresh; squally, some cold showers, clear and cold at night.
1	SCOTLAND EAST	D° ————— D°
2	ENGLAND N.E.	Same as N° 5.
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	Same as N° 5.
5	ENGLAND SOUTH	N ^{ly} breezes, moderate, — cloudy and slightly showery during day, clear and very cold at night.



DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	N ^{ly} to NE ^{ly} breezes, moderate; fair cold.
7	ENGLAND N.W.	D° ————— D°
8	ENGLAND S.W.	D° ————— D°
9	IRELAND NORTH	D° ————— D°
10	IRELAND SOUTH	D° ————— D°

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.92	46	41	WNW 8	6	4	Holyhead ...	30.25	53	51	NW 1	e	2
Samburgh Head ...	30.12	45	41	N 2	0	2	Valencia ...	30.40	59	57	NW 4	c	4
Stornoway ...	30.27	50	47	NNE 2	40	2	Scilly ...	30.28	53	52	N 5	om	4
Aberdeen ...	30.16	48	47	NNE 3	p	2	Dungeness ...	30.11	50	49	E 4	o	3
Shields ...	30.13	48	46	NNE 1	0	2	London ...	30.15	55	51	NW 2	o	*
Ardrossan ...	30.18	53	49	WNW 5	6	3	Yarmouth ...	30.12	52	48	N 4	bv	3
Malin Head ...	30.28	49	48	NW 3	0	2	Jersey ...	30.18	60	54	N 3	bc	3
Mullaghmore ...	30.24	51	51	WNW 3	m	2	Rochefort ...	30.22	61	54	NW 5	bc	2
Belmullet ...	30.39	52	51	N 4	0	*							

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

The Continental reports for yesterday morning showed that pressure was highest (30.4 ins and upwards) in an anticyclone, the central portion of which was lying off the south-west of Ireland, and lowest (29.6 ins and less) in a depression which existed over the Baltic Provinces. Light to fresh breezes from NW or N prevailed over the greater part of Europe, but in Spain the wind drew into NE, while over Italy it was chiefly SW or S. The weather was cloudy or overcast at nearly all stations, with local rains in all but the extreme southern countries. Temperature had changed very irregularly, but was upon the whole inclined to fall, readings ranged from 65° and upwards at several of the Algerian, Spanish and Italian stations to 45° or less in Scandinavia and the extreme north of the British Isles. The highest individual readings were 74° at Aports 70° at Oran and Biskra, 68° at Brindisi, Cagliari and Palermo and 67° at Apaf; the lowest were 36° at Christiansund, 41° at Bodö, 42° at Kuopio 43° at St. Petersburg, 44° at Helsingfors, Riga and Samburgh Head.

In the course of the day the anticyclone to the south-westward of our islands extended northward along the western coasts of Ireland and Scotland, but no important change was observed either in the winds or weather.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for

Saturday 14th May

1887.

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

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

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.	<i>In.</i>	<i>°</i>				<i>In.</i>	<i>In.</i>	<i>°</i>	<i>°</i>	<i>°</i>	<i>Dir.</i>				<i>°</i>	<i>°</i>	<i>In.</i>		
Haparanda ...	29.99	40	N	1	b	30.01	+ .15	46	40	+ 1	NE	0	b	*	52	34	-		
Hernösand ...	30.03	46	N	2	bc	30.10	+ .16	47	40	- 1	NW	2	bc	*	59	41	-		
Stockholm ...	30.01	46	N	2	c	30.11	+ .26	49	41	+ 1	NNE	2	b	*	55	39	-		
Wisby ...	29.95	41	NW	4	bc	30.06	+ .26	44	42	0	NW	4	b	*	50	39	-		
Bodö ...	30.15	38	W	2	o	29.91	- .19	38	36	- 1	SSE	4	T	2	43	36	0.04		
Christiansund ...	30.24	42	W	3	b	30.20	- .00	43	40	+ 3	NW	6	o	3	45	37	0.04		
Skudesnaes ...	30.21	45	NW	4	bc	30.31	+ .23	46	42	- 2	NW	4	c	3	52	45	-		
Christiania Fjord (Fjorder)	30.11	51	NW	6	b	30.24	+ .25	45	39	+ 1	NW	4	b	1	52	?	-		
Skagen (The Scaw)	30.11	48	NNE	1	b	30.23	+ .25	48	44	+ 2	NE	1	b	0	54	45	-		
Tanö ...	30.09	47	W	0	b	30.23	+ .39	53	48	+ .5	NNE	4	b	*	59	37	0.16		
BRITISH ISLANDS.																			
Sumburgh Head	30.36	41	NW	1	o	30.29	- .07	46	46	+ 6	NW	1	f	1	46	38	0.10		
Stornoway ...	30.45	49	SSE	2	o				No observations taken										
Wick ...	30.42	43	N	3	o	30.37	- .04	51	50	+ 5	NW	3	o	1	53	40	0.06		
Nairn ...	30.41	43	N	3	o	30.41	- .01	51	48	+ 8	NW	2	o	2	52	41	-		
Aberdeen ...	30.41	45	N	5	c	30.40	+ .03	46	45	+ 3	NW	4	o	2	49	40	0.10		
Leith ...	30.41	49	SE	1	b	30.45	+ .04	43	42	0	W	1	om	*	51	38	0.01		
Shields ...	30.38	46	N	4	cph	30.45	+ .15	44	41	+ 1	NW	3	c	4	49	36	-		
Spurn Head ...	30.27	45	N	6	bc	30.40	+ .19	46	44	+ 1	NE	5	b	5	47	41	0.04		
York ...	30.38	45	N	4	bc	30.45	+ .17	44	41	0	NW	2	c	*	50	35	-		
Loughborough	30.32	48	N	4	c	30.41	+ .14	47	43	+ 1	NNE	3	bc	*	62	36	-		
Ardrossan ...	30.39	52	W	3	bc	30.53	+ .11	48	46	+ 2	W	0	om	0	55	44	-		
Malin Head ...	30.46	48	N	3	b	30.50	+ .07	49	49	+ 3	NW	2	of	2	49	46	-		
Mullaghmore ...	30.48	60	N	5	bv	30.53	+ .08	51	48	+ 2	NW	2	o	2	55	43	-		
Belmullet ...	30.52	50	NNE	3	b	30.55	+ .07	51	48	+ 1	NW	1	o	*	53	43	-		
Donaghadee ...	30.43	51	NE	5	b	30.49	+ .07	49	48	+ 2	NNE	3	o	1	52	44	-		
Barrow-in-Furness	30.38	50	NNE	2	b	30.45	+ .12	44	40	+ 2	NE	2	o	*	52	39	-		
Liverpool (Bidston)	30.38	52	NW	3	bc	30.48	+ .12	48	41	+ 3	NE	1	bc	2	52	39	-		
Holyhead ...	30.43	45	N	2	b	30.47	+ .08	50	45	+ 6	E	1	c	1	50	44	-		
Parsonstown ...	30.43	59	NW	1	b	30.52	+ .07	50	45	+ 3	W	0	bc	*	61	43	-		
Valencia ...	30.46	55	N	3	bm	30.52	+ .07	52	48	- 2	NNE	2	o	2	59	45	-		
Roche's Point...	30.43	52	SSE	2	b	30.48	+ .09	50	46	- 2	NW	3	b	3	56	41	-		
Pembroke ...	30.37	47	NNE	5	c	30.45	+ .13	48	46	- 2	NNE	3	bc	3	51	40	-		
Scilly ...	30.35	49	NNE	6	b	30.42	+ .13	50	47	0	NE	4	bc	4	53	46	-		
Prawle Point ...	30.31	50	NE	3	b	30.36	+ .10	48	43	- 2	NE	5	b	4	56	41	-		
Jersey ...	30.25	50	NNE	4	b	30.33	+ .16	46	42	- 4	NNE	4	cm	3	53	44	-		
Hurst Castle ...	30.27	51	NNE	6	bc	30.36	+ .13	46	43	- 2	NNE	5	b	2	59	39	-		
Dungeness ...	30.13	45	NNE	5	cp	30.23	+ .11	46	45	+ 4	N	5	o	4	51	40	0.06		
London ...	30.23	48	NW	5	bc	30.34	+ .15	46	42	+ 2	NE	4	c	*	51	40	0.01		
Oxford ...	30.32	43	N	4	bc	30.40	+ .14	46	43	+ 2	NNE	4	bc	*	50	35	0.01		
Cambridge ...	30.27	43	N	4	T	30.38	+ .18	46	43	+ 2	N	2	og	*	52	36	0.12		
Yarmouth ...	30.17	45	N	6	cqg	30.32	+ .21	48	46	+ 4	NNE	6	cq	5	49	40	0.06		
Cuxhaven ...	29.97	44	N	5	bc	30.19	+ .37	49	47	+ 2	NE	3	b	*	49	44	0.16		
Berlin ...	29.93	49	SE	2	c	30.11	+ .28	47	44	+ 2	NE	2	c	*	55	43	-		
Wiesbaden ...	*	*	*	*	*	30.06	+ .14	47	42	+ 2	N	4	bc	*	52	39	-		
Munich ...	29.91	40	W	1	c	29.90	+ .04	38	37	- 4	NE	5	o	*	45	36	0.20		
FRANCE & NETHERLANDS.																			
The Helder ...	30.08	46	NNE	5	o	30.25	+ .27	49	46	+ 4	NNE	3	b	3	50	48	0.04		
Brussels ...	*	*	*	*	*	30.17	+ .13	47	44	+ 5	NNE	3	c	*	52	42	0.16		
Cape Gris Nez...	30.12	46	NE	8	o	30.23	+ .15	46	44	+ 5	NE	8	o	6	50	?	0.08		
Paris ...	30.09	42	N	5	bc	30.15	+ .07	45	43	- 1	N	4	o	*	54	42	0.04		
Brest ...	30.29	51	NNE	4	b	30.36	+ .19	46	43	- 3	NNE	4	bc	3	55	37	-		
Lorient ...	30.26	51	NNE	7	b	30.29	+ .13	46	42	- 5	NE	7	b	4	54	41	-		
Rockfort ...	30.18	60	NNE	7	c	30.26	+ .11	46	42	- 7	NNE	7	b	3	66	39	-		
Belfort ...	29.91	50	W	1	c	29.92	+ .01	45	41	- 4	NE	4	c	*	56	34	-		
Lyons ...	29.99	41	NW	3	o	29.98	- .01	40	38	- 8	NW	7	o	*	53	36	0.28		
Nice ...	29.68	53	E	4	c	29.63	- .13	43	42	- 12	E	4	o	2	63	39	1.22		
Perpignan ...	29.92	62	NW	4	b	30.02	+ .06	49	42	- 10	NW	5	b	*	69	47	0.08		
Biarritz ...	30.13	58	NW	7	o	30.17	+ .04	48	43	- 9	NE	5	b	2	61	45	-		
Corunna ...	*	*	*	*	*	30.21	- .00	57	55	- 1	NE	9	bc	7	63	52	-		
Lisbon ...	29.89	70	NW	7	b	29.89	- .05	63	52	- 1	NE	7	b	2	81	63	-		

SCANDINAVIA.

BRITISH ISLANDS.

GERMANY.

FRANCE & NETHERLANDS.

PENINSULA.

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

WEATHER CHARTS

for 8 a.m. on *Saturday 14th May* 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

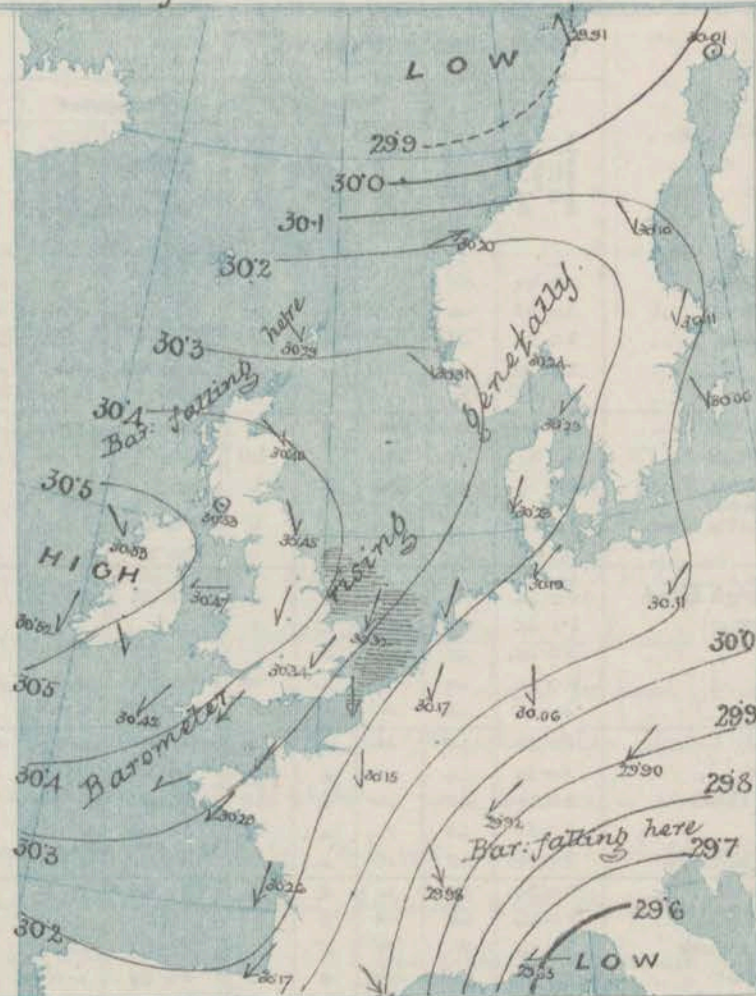
Sea Disturbance — where considerable is shown thus

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.896
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.956
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	29.989
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



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

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

Weather is shown by Letters of the Beaufort Scale.

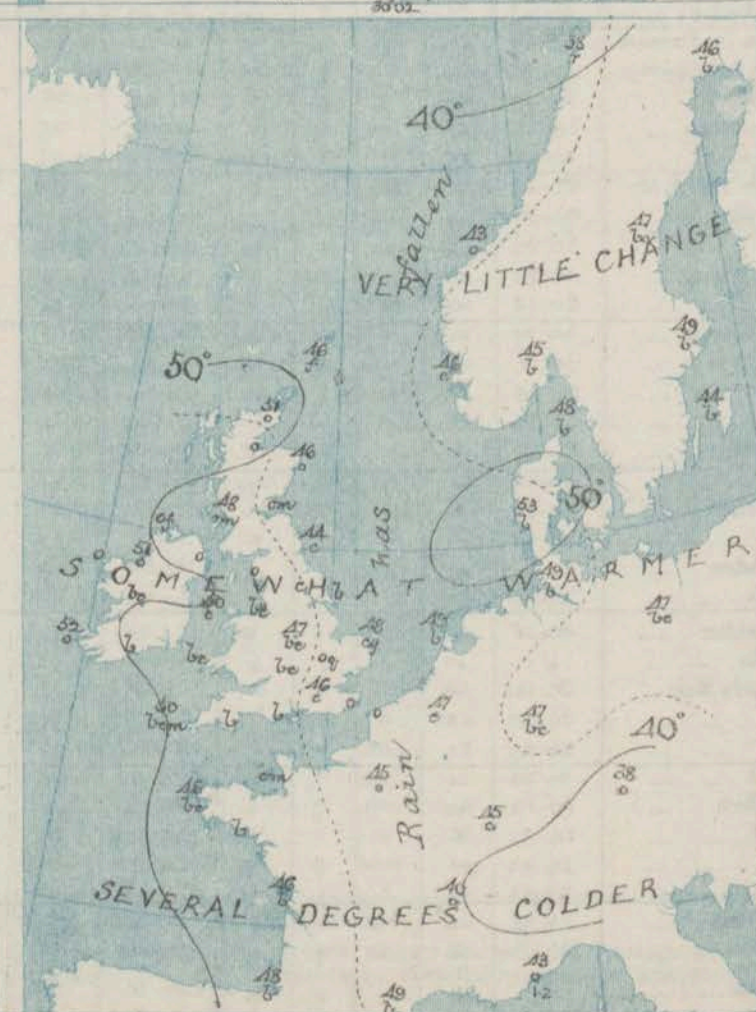
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of May

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.	At 8 p.m.	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.64
Wick	53.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	56.6	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	46.3	51.7	48.6	3.05
Pembroke	55.6	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.6	50.1	1.66
Hurst Castle	58.0	45.2	51.2	49.9	1.70
Dover	56.3	46.4	52.5	49.0	1.77
LONDON	61.5	43.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.9	41.9	50.7	47.6	1.76
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.5 ins: and upwards over Ireland. Lowest, 29.7 ins: and less, in a depression lying over the Gulf of Genoa; relatively low 29.9 ins: and less, in a large disturbance off the NW. of Norway.
TEMPERATURE	Highest, 63° at Lisbon, 53° at Faro, 52° at Valencia, and 51° at Wick, Naum, Bilmullet and Mullaghmore. Lowest, 38° at Bodo and Munich, 40° at Lyons, and 43° at Christianaund, Leith and Kiel.
WIND	Light W. or NW. over Scotland and the north of Ireland. Fresh N. or NE. over France, the Netherlands, and the south of England. Strong from WSW. at Christianaund, moderate from SE. at Bodo.
WEATHER	Dull in Scotland and the north of Ireland, as well as in the west of Norway, with rain at Bodo. Fair or fine in nearly all other parts of Western Europe. [Rain fell in France yesterday and passing showers at several of our northern and eastern stations.]
SEA	Rather rough off the east of England, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone noticed over our western and northern coasts yesterday has extended southwards and eastwards, and the barometer has risen over the greater part of Western Europe. In the course of the night, however a depression has appeared off the northwest of Norway, and the barometer has therefore begun to fall on our extreme northern coasts.

The depression in the far north will probably travel southwards across Scandinavia, and showers are, therefore likely at several of our northern and eastern stations. In the W. and SW. however, fine weather may be expected to continue for a time.

FORECASTS

For the 24 hours ending at NOON on 15th MAY

1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	W. and NW. winds, freshening; cloudy, some showers.	6 { SCOTLAND WEST	W. or NW. winds, light; dull, misty.
1 { SCOTLAND EAST	NW. winds, moderate or fresh; cloudy, local showers.	7 { ENGLAND N. W.	N. or NE. winds, light; fair generally.
2 { ENGLAND N. E.	----- D. ----- D. ----- D. -----	8 { ENGLAND S. W.	----- D. ----- D. ----- D. -----
3 { ENGLAND EAST	Same as No 5.	9 { IRELAND NORTH	Same as No 6.
4 { MIDLAND COUNTIES	Same as No 5.	10 { IRELAND SOUTH	Same as Nos 7 and 8.
5 { ENGLAND SOUTH	N. and NE. winds, fresh; fair generally but perhaps 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.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnæs ...	30.14	51	42	N.W. 6	b	4	Holyhead ...	30.43	46	41	N.W. 3	b	4
Sumburgh Head ...	30.37	43	39	N 2	c	2	Valencia ...	30.46	58	52	N 4	bv	4
Stornoway ...	30.48	48	44	S.S. 2	o	2	Scilly ...	30.44	51	48	N.W. 6	bv	5
Aberdeen ...	30.40	48	42	N 5	bc	4	Dungeness ...	30.18	49	45	N.W. 5	cp	4
Shields ...	30.35	49	43	N 5	sh p	5	London ...	30.23	49	42	N.W. 5	cp	*
Ardrossan ...	30.40	54	47	W 3	bc	2	Yarmouth ...	30.18	47	44	N 6	cp	5
Malin Head ...	30.46	49	44	N 3	b	2	Jersey ...	30.24	51	45	N.E. 4	bc	3
Mullaghmore ...	30.47	52	49	N.W. 4	bv	2	Rochefort ...	30.12	64	57	N.W. 5	b	2
Belmullet ...	30.52	52	46	N 2	b	*							

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

Yesterday morning's reports showed that pressure (which was increasing over the British Isles and their neighbourhood) varied from about 30.5 in: over Ireland and Scotland to about 29.7 in: or 29.8 in: over the whole of Finland, Western Russia, the Baltic, Germany, Austria, and SE. Europe; further to the eastward it was higher. Moderate gradients for N winds were consequently prevalent over the whole of Western Europe, while over Central, Eastern and Northern Europe the gradients were very slight and variable. Cold N winds were consequently prevalent in the former regions, and blew strongly over the North Sea, France, and the Bay of Biscay, accompanied by a good deal of cloud, and by cold showers in the more eastern districts. In Germany the wind was very light and variable, with some showers and local thunderstorms, while in Austro-Hungary the weather was finer. Temperature which had fallen in most places, varied from 70° in some parts of Algeria, and from less than 60° in the south of France to below 50° over the whole of Great Britain and the North Sea, Germany and the Baltic, and to below 40° in the NW. of Norway. The highest individual readings were 71° at Biskia (Algeria), 70° at Cagliari, 68° at Malta and Palma, 66° at Lissurue, 64° at Lisbon, 60° at Naples, 59° at Perpignan and Nice, and 54° at Valencia (Ireland); the lowest 39° at Ales, 40° at Christiansund and Sumburgh Hd, 41° at Cádiz Bay, 42° at Banow in Limerick and Dungeness, Brussels and Munich, and 33° at Linn, Aberdeen, Leith and Shields.

During the day the cold N winds blew still more strongly in the east, with showers of cold rain and soft hail both in these parts and over Germany. At night the sky cleared considerably, and frost occurred on the ground over the inland parts of the British Isles, as well as at many of the Continental 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 May 1887.
Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 5 P. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)		SHADE TEMP.		Amount of Rainfall.
			Dir.	Force. (0 to 12.)			Reading at 5 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 ..	29.75	36	S	2	c		29.55	-.46	47	44	+ 1	S	6	c	*		48	32	0.08
Hernösand ...	30.02	46	Z	0	c		29.92	-.18	54	47	+ 7	NW	8	bc	*		61	37	-
Stockholm ...	30.12	45	Z	0	b		30.11	-.00	54	52	+ 5	SSW	2	o	*		59	43	-
Wisby ...	30.15	44	SW	4	b		30.13	+.07	48	43	+ 4	W	4	b	*		48	39	-
Bodö ...	29.59	44	SW	9	n		29.79	-.12	40	39	+ 2	W	6	o	3		36	36	0.67
Christiansund...	30.08	49	W	8	o		30.06	-.14	45	44	+ 2	WSW	9	r	5		50	?	-
Skudesnaes ...	30.30	45	NNW	2	o		30.26	-.05	49	47	+ 3	NNW	2	o	3		50	45	-
Christiania Fjord (Færder)	30.19	49	S	4	b		30.13	-.11	51	49	+ 6	WSW	2	o	1		52	?	-
Skagen (The Scaw)	30.22	46	NW	1	b		30.18	-.05	46	45	- 2	W	3	o	2		59	41	-
Vandö ...	30.30	46	NNW	4	c		30.29	+.06	49	48	- 4	NW	4	b	*		59	?	-
BRITISH ISLANDS.																			
Sumburgh Head	30.29	47	NW	2	r		30.27	-.02	48	48	+ 2	NNW	2	f	2		49	44	0.03
Sornoway ...																			
Wick ...	30.39	53	NNW	3	o		30.35	-.02	58	54	+ 7	NW	5	b	2		58	48	-
Nairn ...	30.40	55	NW	2	c		30.40	-.01	56	52	+ 5	W	1	c	1		59	50	-
Aberdeen...	30.41	57	E	1	o		30.39	-.01	58	54	+ 12	NNW	3	o	1		58	45	-
Leith ...	30.42	53	SE	1	m		30.42	-.03	58	53	+ 15	NW	1	o	*		58	42	0.01
Shields ...	30.41	49	E	1	o		30.41	-.04	52	50	+ 8	N	1	o	3		52	42	-
Spurn Head ...	30.43	47	NNE	4	b		30.41	+.01	47	45	+ 1	NNE	2	c	3		50	42	-
York ...	30.42	52	NW	1	o		30.41	-.04	50	49	+ 6	N	1	o	*		57	44	-
Loughborough	30.39	56	NE	2	b		30.40	-.01	47	44	0	NNE	2	o	*		61	44	-
Ardrossan ...	30.43	53	W	3	o		30.43	-.05	54	51	+ 6	NNW	1	bc	1		56	48	-
Malin Head ...	30.50	51	NW	3	o		30.46	-.04	50	50	+ 1	NNW	2	of	1		52	48	-
Mullaghmore ...	30.52	55	NW	3	c		30.49	-.04	52	51	+ 1	NNW	1	o	1		56	46	-
Belmullet ...	30.55	54	NNW	2	o		30.51	-.04	53	51	+ 2	NNE	2	o	*		56	50	-
Donaghadee ...	30.48	57	NE	2	o		30.44	-.05	51	50	+ 2	NE	3	bc	1		54	47	-
Barrow-in-Furness	30.43	48	NW	3	o		30.41	-.04	52	50	+ 8	NW	1	f	*		57	44	-
Liverpool (Bidston)	30.45	48	NW	2	c		30.43	-.05	51	49	+ 3	NNW	1	o	2		52	47	-
Holyhead ...	30.47	48	NW	1	c		30.44	-.03	49	48	- 1	NNW	1	om	1		54	47	-
Parsonstown ...	30.49	59	N	1	c		30.48	-.04	53	49	+ 3	Z	0	o	*		61	48	-
Valencia ...	30.51	57	NNW	3	b		30.49	-.03	55	54	+ 3	N	2	o	4		62	48	-
Roche's Point...	30.48	55	S	3	bc		30.46	-.02	55	52	+ 5	NE	3	c	3		56	50	-
Pembroke ...	30.42	49	N	4	c		30.39	-.06	50	49	+ 2	NNE	2	o	1		52	46	-
Scilly ...	30.40	50	N	5	c		30.37	-.05	51	49	+ 1	NNE	4	o	4		51	48	-
Prawle Point...	30.39	53	NE	2	b		30.36	-.00	57	48	+ 9	NE	4	b	2		58	45	-
Jersey ...	30.31	52	N	3	b		30.30	-.03	51	46	+ 5	NNE	3	bm	3		53	45	-
Hurst Castle ...	30.34	54	NNE	4	b		30.34	-.02	47	45	+ 1	NNE	3	b	1		56	39	-
Dungeness ...	30.29	52	NNE	5	b		30.28	+.05	50	48	+ 4	NE	5	b	4		55	46	-
London ...	30.35	52	NNE	3	b		30.36	+.02	47	43	+ 1	NE	3	bw	*		58	38	-
Oxford ...	30.29	48	NE	2	b		30.39	-.01	47	44	+ 1	NE	2	b	*		55	37	-
Cambridge ...	30.38	47	N	2	b		30.38	-.00	49	45	+ 3	N	1	b	*		55	32	-
Yarmouth ...	30.36	48	NNE	5	bc		30.35	+.03	48	45	0	NNE	4	bc	4		50	42	-
Cuxhaven ...	30.26	50	NE	3	b		30.29	+.10	52	48	+ 3	NE	2	b	*		54	?	-
Berlin ...	30.17	53	NE	5	b		30.19	+.08	50	42	+ 3	NE	6	b	*		57	41	-
Wiesbaden ...	*	*	*	*	*		29.97	-.09	45	42	+ 2	N	6	r	*		55	39	0.43
Munich ...	29.89	58	W	2	o		29.94	+.04	44	41	+ 6	SE	2	bc	*		?	32	0.35
GERMANY.																			
The Helder ...	30.30	46	NNE	4	b		30.30	+.05	48	46	- 1	NNE	4	b	3		54	45	-
Brussels ...	*	*	*	*	*		30.28	+.01	51	43	+ 4	NE	5	b	*		59	41	0.04
Cape Gris Nez...	30.27	48	NE	8	bc		30.26	+.03	46	44	0	NE	8	o	6		54	45	-
Paris ...	30.13	53	NNE	3	b		30.14	-.01	47	44	+ 2	N	5	b	*		59	41	-
Brest ...	30.38	50	E	4	bc		30.28	-.08	48	46	+ 2	N	4	b	2		54	41	-
Lorient ...	30.29	57	NE	7	c		30.30	+.01	46	44	0	NNE	5	b	4		54	39	-
Rochefort ...	30.20	55	NNE	8	c		30.21	-.05	46	45	0	NNE	7	b	2		61	41	-
Belfort ...	29.95	47	W	1	o		29.91	-.01	45	43	0	W	1	o	*		53	37	-
Lyons ...	29.96	48	NNW	4	o		29.98	-.00	44	42	+ 4	NNW	3	r	*		51	40	0.04
Nice ...	29.79	50	NE	4	b		29.86	+.13	51	45	+ 8	E	1	c	3		57	41	0.12
Perpignan ...	30.01	52	NW	4	b		30.03	+.01	54	45	+ 5	NW	4	b	*		58	46	-
Barritz ...	30.14	54	N	8	bc		30.13	-.04	49	47	+ 1	E	4	o	3		59	45	0.04
Corunna ...	*	*	*	*	*		30.26	+.05	54	50	- 3	NE	7	c	6		64	41	-
Lisbon ...	29.87	63	NNW	7	b		29.98	+.09	53	44	- 10	NNE	8	b	2		77	52	-

For Explanation of Columns, see p. 4.

WEATHER

for 8 a.m. on

Sunday 15th May

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

* — forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4;

○ = dead calm.

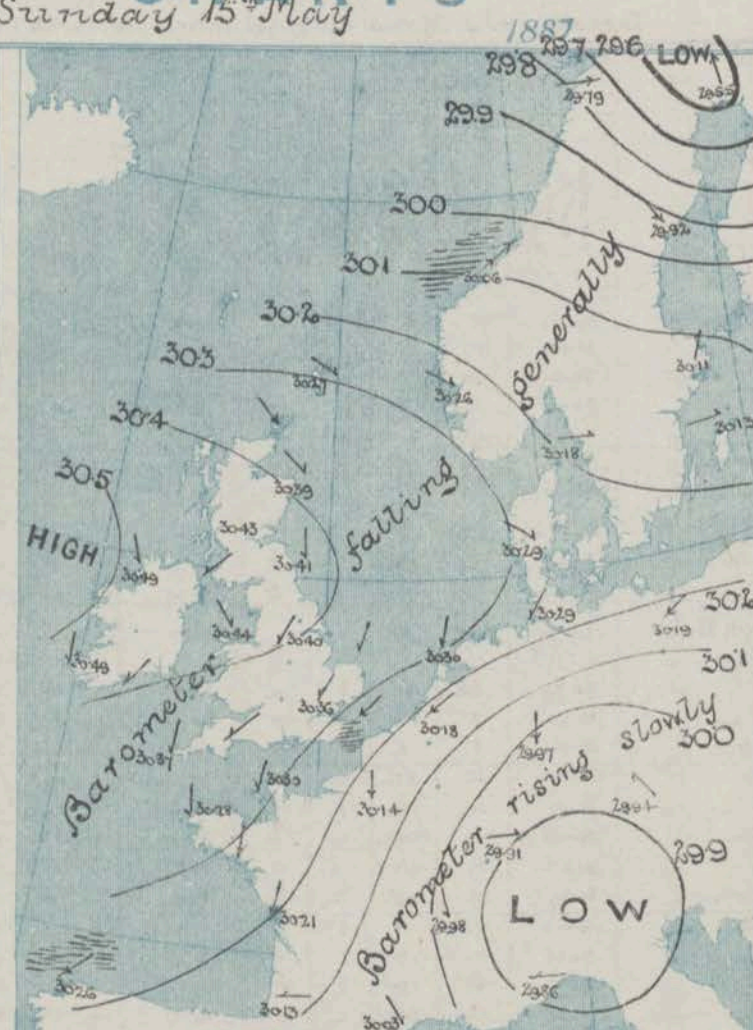
Sea Disturbance — where considerable is shown thus

— Rough. — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.806
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.008
Roche's Point	29.991
Pembroke	29.980
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



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

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

Weather — is shown by Letters of the Beaufort Scale.

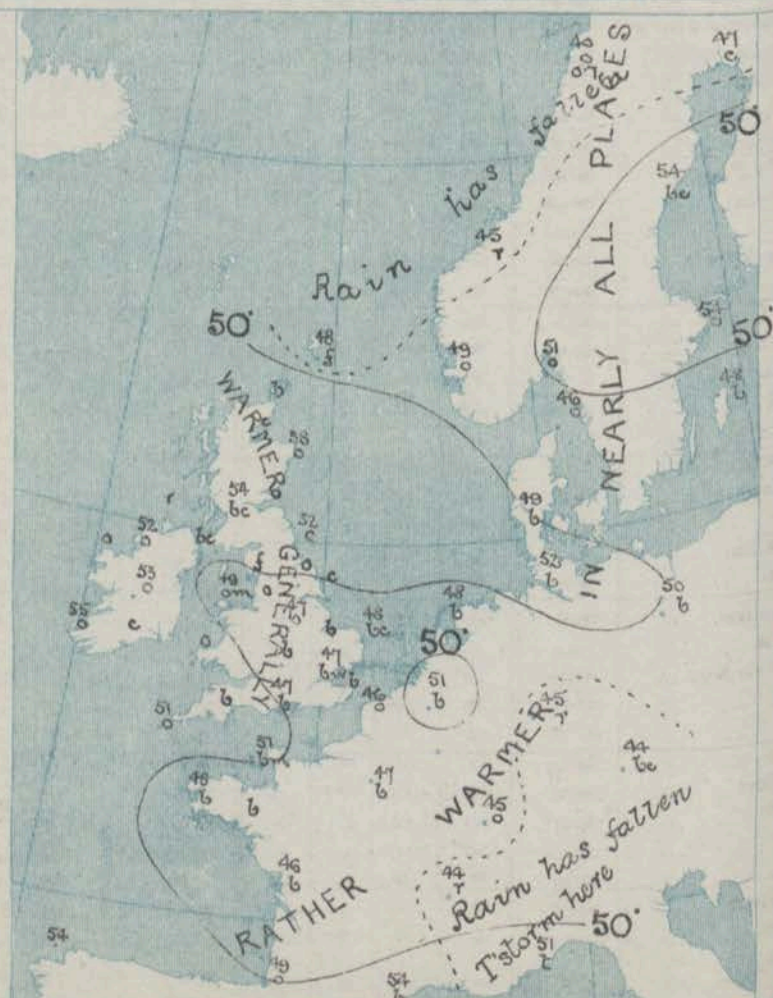
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of May

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.	At 4 p.m.	
Sumburgh Head	50.2	40.0	46.9	43.8	1.71
Stornoway	53.9	40.7	48.7	46.2	2.64
Wick	53.5	40.4	47.7	45.1	1.62
Nairn	55.7	52.1	48.4	45.0	1.67
Aberdeen	54.4	42.3	46.4	44.9	1.90
Leith	57.9	42.8	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	56.8	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	46.3	51.7	48.6	3.05
Pembroke	55.8	45.8	49.9	47.3	1.97
Scilly	59.3	48.4	52.6	50.1	1.06
Hurst Castle	58.0	45.2	51.2	49.9	1.70
Dover	59.3	48.4	52.6	49.0	1.77
LONDON	61.5	43.7	52.0	48.2	1.78
Oxford	60.2	44.1	50.1	47.8	1.83
Cambridge	60.9	41.8	50.7	47.6	1.76
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.5 ins. and upwards, off the west of Ireland, but high 30.3 ins. and upwards, over the whole of our Islands and the North Sea. Lowest, 29.6 ins. and less, over the north of Sweden, relatively low 29.9 ins. and less, in a depression lying over Switzerland and the N. of Italy.

TEMPERATURE

Highest, 58° at Wick, Aberdeen and Leith, 57° at Hawke Point, 56° at Harvis, and 55° at Valencia and Piche Point. Lowest, 40° at Bodø, 44° at Munich and Lyons, and 45° at Christiansund, Wiesbaden and Belfort.

WIND

W² or NW² over Scandinavia and the north of our Islands, with gales at Helsingfors and Christiansund. N² or NE² over France, Germany, and the southern parts of England and Ireland; strong in force at several of the French and German stations.

WEATHER

Fine in the south of our Islands as well as over the Netherlands and Germany. Cloudy elsewhere, with rain at Wiesbaden and Lyons and thunder at Nice.

SEA

Rough at C. Fries Key, and moderate at Scilly, Dungannon, and Falmouth, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday off the northwest of Norway has travelled eastwards, while the smaller disturbances over the Gulf of Genoa has moved northward to Switzerland.

The latter disturbance is now occasioning strong winds and unsettled weather at many of the Continental stations, but as the anticyclone in the west still holds there is not much likelihood of any important change in the weather over our Islands.

FORECASTS

For the 24 hours ending at NOON on 16TH May. 1887.

DISTRICTS.

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

FORECASTS.

NONE ISSUED

DISTRICTS.

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

WARNINGS

FORECASTS.

NONE ISSUED.

NONE ISSUED.

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 ...	30.32	50	44	WNW 4	c	3	Holyhead ...	30.40	51	46	NNW 1	c	1
Sumburgh Head ...	30.30	47	47	NW 1	m	1	Valencia ...	30.50	62	55	N 4	b	4
Stornoway ...							Scilly ...	30.43	57	47	NNE 5	bcm	4
Aberdeen ...	30.39	57	53	N 3	o	1	Dungeness ...	30.28	55	52	NNE 5	b	4
Shields ...	30.42	46	44	E 2	op	4	London ...	30.35	54	48	NNE 4	c	*
Ardrossan ...	30.46	54	51	W 2	o	1	Yarmouth ...	30.35	50	47	NNE 5	c	4
Malin Head ...	30.50	57	51	WNW 2	o	2	Jersey ...	30.38	50	45	NE 4	c	3
Mullaghmore ...	30.53	54	53	WNW 4	o	2	Rochefort ...	30.23	55	48	NNE 7	c	3
Belmullet ...	30.55	50	53	N 2	o	*							

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

Yesterday morning's reports showed two high-pressure areas - one lying off the west of Ireland, but extending eastwards over the United Kingdom, the other over Southern Russia. At the same time three depressions were observed - two of them over Northern Europe, and the third over the Gulf of Genoa and Northern Italy. N winds consequently prevailed over the whole of Western Europe, and blew very strongly at the French stations, as well as in the south and east of England, with slight cold showers, while over the Baltic the wind was chiefly NW and in SW Russia S^W. Temperature was very low over the inland parts of Western Europe, but inclined to rise a little in the British Isles. The highest individual readings were 72° at Biskra (Algeria) 71° at Constantinople, 68° at Brindisi, 67° at Oporto, 66° at Malta, and Palermo, 63° at Leningrad and Lisbon, 59° at Sanguinaria, and 52° at Valencia; the lowest were 38° at Bodo, 40° at Lyons, Besancon, and Limoges, 43° at Kiev, 44° at Mirby, Shields and York.

Later on there was hardly any permanent change in the weather over the British Isles and France, but at night the sky cleared in several places, and frost again occurred on the ground over the inland districts.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT.

for *Monday 16th May* 1887.
 Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

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STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.	
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.
			Dir.	Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	
SCANDINAVIA.																		
Haparanda ..	29.72	41	2	0	b		29.42	- .13	50	45	+ 3	W	4	bc	*	54	34	Ins.
Hernösand ...	29.91	56	SW	2	c		29.83	- .09	54	46	0	NW	8	c	*	66	45	-
Stockholm ...	30.06	55	2	0	b		29.99	- .12	54	50	0	N	2	b	*	66	41	-
Wisby ...	30.10	50	SW	4	b		30.05	- .08	50	47	+ 2	WSW	4	b	*	61	39	-
Bodö ...	29.58		E	2	m		29.74	- .05	39	36	- 1	WNW	4	bc	2	?	?	0.75
Christiansund...	29.93	54	W	8	0		30.04	- .02	46	42	+ 1	WSW	8	c	5	54	43	0.20
Skudesnaes ...	30.23	46	NW	4	0		30.22	- .04	49	48	0	NW	4	of	3	52	46	-
Christiania Fjord (Farder)	30.12	46	S	4	f		30.07	- .06	47	46	- 4	SW	4	f	2	?	45	-
Skagen (The Scaw)	30.13	46	WSW	1	0		30.10	- .08	46	46	0	SW	1	0	0	52	43	-
Vanø ...	30.23	45	W	3	0		30.17	- .12	45	44	- 4	W	3	c	*	54	43	-
BRITISH ISLANDS.																		
Sumburgh Head	30.26	51	WNW	3	0		30.22	- .05	49	48	+ 1	WNW	1	0	1	54	45	0.04
Stornoway ...																		
Wick ...	30.33	58	NW	5	b		30.28	- .07	53	49	- 5	S	1	c	0	63	40	-
Nairn ...	30.34	61	W	1	c		30.30	- .10	55	49	- 1	W	2	b	2	65	44	-
Aberdeen...	30.36	58	E	1	0		30.31	- .08	60	53	+ 2	NW	1	b	1	65	47	-
Leith ...	30.36	60	SE	1	c		30.31	- .11	58	54	0	N	1	m	*	65	52	-
Shields ...	30.34	57	NNE	1	c		30.31	- .10	54	49	+ 2	NNE	1	c	2	57	47	-
Spurn Head ...	30.34	48	NE	3	c		30.27	- .14	48	47	+ 1	N	4	cm	2	48	44	-
York ...	30.36	55	N	1	0		30.30	- .11	54	50	+ 4	NNE	1	0	*	58	48	-
Loughborough	30.33	54	NNE	2	0		30.27	- .13	48	47	+ 1	NNE	3	ogm	*	57	46	0.01
Ardrossan ...	30.36	59	WNW	1	c		30.33	- .10	52	49	- 2	NW	3	b	2	62	46	-
Malin Head ...	30.44	52	NW	2	om		30.35	- .11	52	51	+ 2	W	2	om	1	55	47	-
Mullaghmore ...	30.42	55	N	4	c		30.37	- .12	53	50	+ 1	W	0	c	1	59	50	-
Belmullet ...	30.46	55	NNE	2	bc		30.37	- .14	54	50	+ 1	NE	2	0	*	57	50	-
Donaghadee ...	30.40	56	NE	2	b		30.35	- .09	52	50	+ 1	NNE	4	c	2	58	48	-
Barrow-in-Furness	30.35	54	NW	3	c		30.30	- .11	52	50	0	NE	2	om	*	65	49	-
Liverpool (Bidston)	30.36	52	NW	1	0		30.31	- .12	51	49	0	NE	1	0	2	67	47	-
Holyhead ...	30.39	51	NW	1	om		30.32	- .12	49	48	0	N	1	omw	1	53	47	-
Parsonstown ...	30.41	57	W	0	c		30.35	- .13	55	51	+ 2	NNE	1	c	*	58	49	-
Valencia ...	30.43	55	N	2	0		30.33	- .16	55	54	0	W	0	om	0	57	52	-
Roche's Point...	30.40	57	N	2	0		30.31	- .15	56	53	+ 1	N	2	0	3	59	50	-
Pembroke ...	30.34	52	NNE	4	c		30.24	- .15	52	49	+ 2	N	4	bc	3	58	47	-
Scilly ...	30.30	52	N	4	bc		30.22	- .15	51	50	0	N	3	0	4	53	49	-
Prawle Point ...	30.24	52	W	2	c		30.21	- .15	55	51	- 2	ENE	3	c	2	58	50	-
Jersey ...	30.23	54	NW	3	b		30.14	- .16	50	47	- 1	NNE	3	cm	3	55	46	-
Hurst Castle ...	30.24	57	NNE	3	b		30.18	- .16	52	49	+ 5	NNE	4	b	1	62	43	-
Dungeness ...	30.19	52	NE	5	b		30.11	- .17	47	47	- 3	NE	5	c	4	56	44	-
London ...	30.25	57	NE	3	b		30.21	- .15	49	45	+ 2	NNE	3	c	*	61	46	-
Oxford ...	30.30	51	NE	3	bc		30.24	- .15	49	47	+ 2	NE	2	0	*	?	?	-
Cambridge ...	30.32	50	NW	1	0		30.23	- .15	48	47	- 1	NE	1	T	*	60	45	-
Yarmouth ...																		
Cuxhaven ...	30.31	48	NNE	4	c		30.20	- .15	48	47	0	NNE	4	c	4	51	44	-
Berlin ...	30.25	48	NNE	4	b		30.16	- .13	50	48	- 2	NE	3	b	*	53	48	-
Wiesbaden ...	30.12	61	NE	2	0		30.09	- .10	57	50	+ 7	ENE	4	bc	*	64	50	-
Munich ...	*	*	*	*	*		30.05	+ .08	49	46	+ 4	NE	1	b	*	55	39	0.04
The Helder ...	29.99	47	NW	2	c		30.03	+ .09	51	46	+ 7	SE	2	b	*	55	36	0.04
Brussels ...	30.23	45	NNE	3	b		30.16	- .14	46	45	- 2	NE	3	0	3	52	45	0.04
Cape Gris Nez...	*	*	*	*	*		30.08	- .10	46	45	- 5	NE	3	0	*	62	44	0.20
Paris ...	30.19	47	NE	7	c		30.12	- .14	46	45	0	NE	8	0	6	52	45	-
Brest ...	30.09	51	NE	5	0		30.05	- .09	50	47	+ 3	NE	3	bc	*	61	45	-
Lorient ...	30.32	52	N	5	b		30.18	- .10	48	46	0	NNE	4	0	3	57	41	-
Rochefort ...	30.22	55	NNE	5	b		30.13	- .17	46	44	0	NNE	4	bc	2	59	43	-
Belfort ...	30.15	59	NNE	5	0		30.10	- .11	46	45	0	N	5	T	2	66	41	0.12
Lyons ...	30.07	54	W	1	0		30.02	+ .11	51	47	+ 6	NE	3	c	*	?	36	-
Nice ...	30.00	48	WNW	1	c		30.04	+ .06	46	44	+ 2	SE	1	T	*	54	43	0.04
Perpignan ...	29.98	50	E	3	c		30.05	+ .19	52	48	+ 1	W	0	c	2	57	41	-
Biarritz ...	30.02	60	NW	3	c		30.06	+ .03	56	48	+ 2	N	3	bc	*	?	46	-
Corunna ...	30.13	55	NE	4	0		30.11	- .02	49	47	0	W	3	T	2	59	46	0.43
Lisbon ...	29.99	59	N	8	b		30.08	+ .10	56	47	+ 3	NE	7	b	2	66	?	-

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Monday, 16th May, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

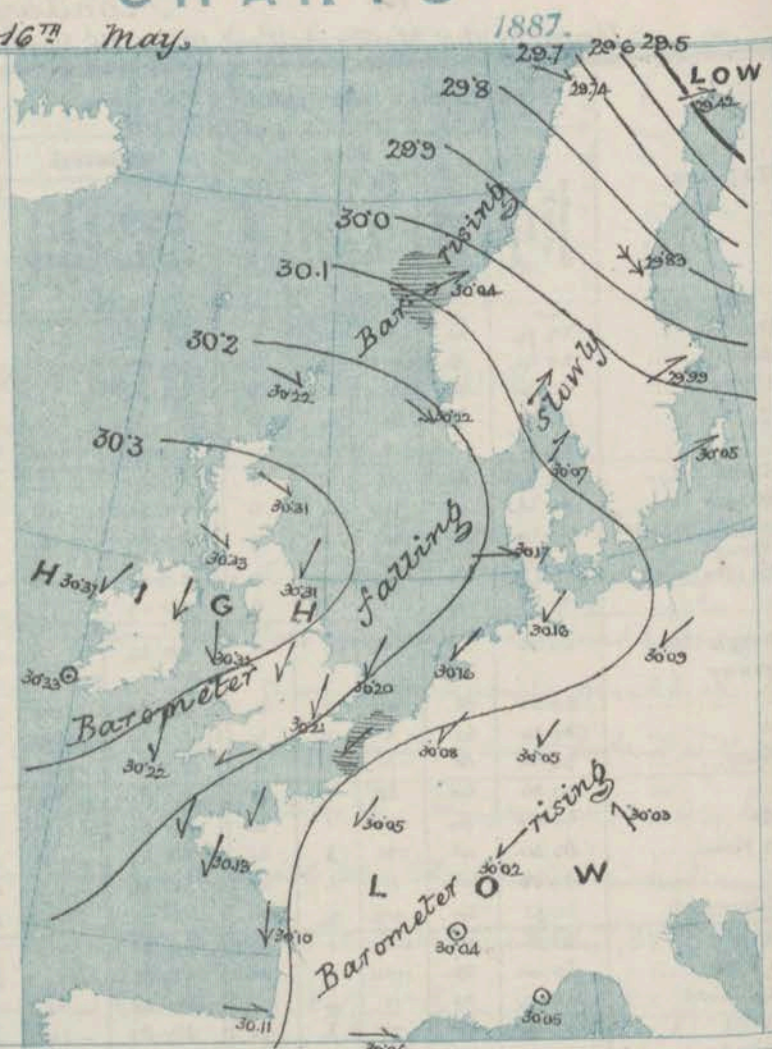
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 — force above 10, — force 8 to 10,
 — force 5 to 7, — force 1 to 4,
 ○ = dead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

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.896
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	29.989
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



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

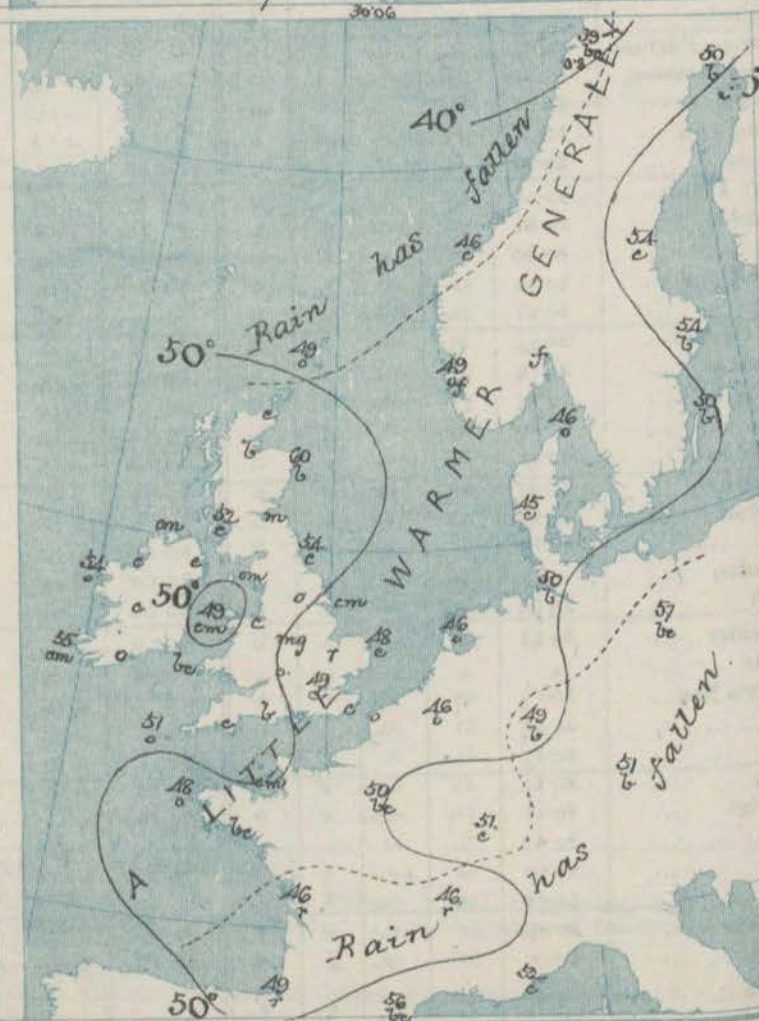
Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.
Weather — is shown by Letters of the Beaufort Scale.
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	Dry.	Wet.	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.64
Wick	53.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	56.6	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	49.3	51.7	48.6	3.06
Pembroke	55.6	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.8	50.1	1.66
Hurst Castle	58.0	45.2	51.2	49.9	1.70
Dover	59.3	46.4	52.5	49.0	1.77
LONDON	61.5	43.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.0	41.8	50.7	47.6	1.76
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins. and upwards, in an anticyclone lying over Ireland, the north of England, and the greater part of Scotland.
Lowest, 29.5 ins. and less in the north of Sweden.
The depression which lay over Switzerland and the south-east of France yesterday is dispersing.

TEMPERATURE

Highest, 60° at Aberdeen, 58° at Leith, 57° at Berlin, and 56° at Perpignan and Lisbon.
Lowest, 33° at Bodö, 45° at Tams, 46° at Christiansund, Brussels and Rochefort, and 47° at Bungeness.

WIND

Light W. in the north of Scotland, strong to a gale from the same quarter at Helsingland and Christiansund.
Light or moderate from N. or N.E. over the greater part of Ireland, England and France.
Light E. in Germany; variable in the south-east of France.

WEATHER

Fine in Sweden, Scotland, and Germany.
Cloudy or overcast elsewhere, with fog in the south of Norway, and rain at some of the French stations, as well as at Garmouth.
[Rain fell yesterday in most parts of Germany and France]

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is at present no sign of any very decided change in the distribution of pressure, but shallow depressions are not unlikely to form off our south-east coasts, and rain is therefore probable at several of the eastern and southern stations.

The anticyclone over our Islands is inclined to move slowly in a westerly direction, and is at the same time becoming reduced in height.

FORECASTS

for the 24 hours ending at NOON on 17th May

1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW winds, light; fair generally.
1	SCOTLAND EAST	----- D° ----- D° ----- D° -----
2	ENGLAND N.E.	N winds, light or moderate; fair generally.
3	ENGLAND EAST	Same as N°5
4	MIDLAND COUNTIES	Same as N°5
5	ENGLAND SOUTH	NE winds, moderate; cloudy, probably some rain.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as N°0
7	ENGLAND N.W.	Same as N°2
8	ENGLAND S.W.	Same as N°5
9	IRELAND NORTH	N winds, light or moderate, cloudy, rain locally.
10	IRELAND SOUTH	----- D° ----- D° ----- D° -----
WARNINGS		NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeenæs ...	30.15	53	49	W 4	c	3	Holyhead ...						
Sumburgh Head							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						*
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rocheport ...	30.18	62	53	NNE 7	bc	2
Belmullet ...						*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that pressure varied from about 30.5 ins in the west of Ireland, and from about 30.4 ins over Central Russia to about 29.2 ins over Northern Europe on the one hand, and to about 29.8 ins over the eastern parts of the Mediterranean and the south of Spain on the other. These low-pressure areas were separated by a broad "Col" which lay over Denmark and the Baltic and which united the anticyclone over our islands, with another one over Central Russia. Temperature had risen a little over the United Kingdom and North Sea, but remained very low in France, and varied from between 60° and 70° over the southern parts of the Mediterranean and from upwards of 50° in many parts of the British Isles, the North Sea and Russia to below 50° over the Central parts of France and to below 40° over Northern Europe. The highest individual readings were 72° at Constantinople, 71° at Biskra (Algeria), 66° at Palermo (Malta observations were wanting), 62° at San Fernando, 61° at Cagliari, 60° at Palma, 58° at Wick, Aberdeen and Stirling, 57° at Plover Point, 55° at Valencia, and 54° at Stockholm; the lowest 37° at Archangel, 43° at Uleaborg, 44° at Lyons, 45° at Belfast and 46° at Rocheport, Sorient and Cape Frisker.

During the day temperature rose greatly under the influence of bright sunshine over many parts of the British Isles and reached a maximum of 65° at Aberdeen and Stirling and 61° in London and at Paris. The wind, however, was strong from the N. over France and the weather unreasonable and dull.

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

FROM THE 8TH TO THE 14TH MAY 1887.

The weather experienced over the British Isles during this week has varied greatly. It commenced with a Sunday of the most genial spring-like weather which has been experienced over England since the close of October last — the sky being almost cloudless, the wind gentle from the W., while the thermometer rose to between 70° and 73° in the shade over many of our inland counties. Pressure was highest (30.4 ins to 30.5 ins) in a large anticyclone which covered the Bay of Biscay, France and the southern parts of England and Ireland, and lowest in the far north — the gradients being slight. On Monday the conditions were less bright, though still warm, but as the anticyclone moved north-westward and northward up our western coasts the wind veered to the NW. and temperature fell decidedly. On Tuesday (10th) a depression appeared over the north of Norway, and this was followed quickly by others which appeared over the Baltic, Scandinavia, the North Sea and our Islands. These quickly brought cold showers (rain, sleet and hail) to nearly all parts of North-western Europe, accompanied by strong searching N. winds and heavy clouds. Ireland, however, escaped the showers and the principal strength of the wind. On the 11th and 12th and especially on the 13th the weather (except in Ireland) was most unpleasant and night frosts occurred inland; but the anticyclone (then lying off our north-western coasts) began to spread south-eastwards, and to move southwards again. The depression referred to above disappeared as this took place, the weather improved gradually, and temperature rose — so that on Saturday (14th) the maxima recorded over England were 8° or 9° higher than those of the previous day, and the showers ceased. At night, however, there was great radiation and a slight frost occurred later on the grass round London.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (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 May

1887.

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

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STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
	Inch.	°				Inch.	Inch.	°	°	°					°	°	Inch.	
SCANDINAVIA.																		
Haparanda ...	29.98	36	W	0	b	30.17	+0.15	41	38	-3	S	2	b	*	55	34	-	
Hernösand ...	30.07	49	NW	4	b	30.22	+0.39	45	39	-6	N	2	b	*	63	?	-	
Stockholm ...	30.05	53	E	4	o	30.19	+0.20	53	47	-6	NE	4	b	*	66	43	0.16	
Wisby ...	30.03	50	SW	4	b	30.05	0.00	55	47	+8	SE	4	o	*	64	45	-	
Bodö ...	30.06	39	NNW	2	o	30.12	+0.38	39	35	0	ESE	2	e	1	43	34	-	
Christiansund ...	30.19	43	NW	3	c	29.99	-0.05	52	45	+6	ESE	3	b	4	52	37	-	
Skudesnaes ...	30.12	48	NW	6	bc	30.02	-0.20	67	48	+8	ESE	4	o	3	?	48	-	
Christiania Fjord (Fjorder)	30.06	47	S	2	b	30.08	+0.01	51	45	+4	N	6	b	2	?	45	-	
Skagen (The Scaw)	30.04	50	ESE	1	b	30.03	-0.07	47	47	+1	ESE	1	bc	0	59	43	-	
Fanö ...	30.05	45	NW	2	b	29.96	-0.21	58	52	+13	NE	1	b	*	57	37	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.11	49	W	0	o	29.90	-0.32	47	46	-2	SW	1	o	1	54	42	-	
Stornoway ...	30.16	54	S	1	b	29.89	-0.39	52	45	-1	S	4	c	2	62	44	-	
Wick ...	30.12	64	W	2	c	29.91	-0.39	54	48	-1	W	0	c	0	68	44	-	
Nairn ...	30.20	55	S	3	bc	29.97	-0.34	60	53	0	S	3	b	1	63	43	-	
Aberdeen ...	30.19	58	SE	1	c	30.00	-0.31	63	53	+5	S	1	bc	*	64	44	-	
Leith ...	30.22	52	E	2	b	30.04	-0.27	51	48	-3	W	0	o	2	58	46	-	
Shields ...	30.20	51	N	4	b	30.06	-0.21	45	44	-3	NE	1	cm	2	52	44	-	
Spurn Head ...	30.21	58	NNE	1	c	30.06	-0.24	51	48	-3	E	1	o	*	63	46	-	
York ...	30.15	57	ESE	3	c	30.05	-0.22	50	48	+2	E	2	og	*	62	47	-	
Loughborough	30.21	59	SE	3	b	30.00	-0.33	54	50	+2	S	1	bc	1	61	43	-	
Ardrossan ...	30.22	53	ESE	1	o	29.93	-0.42	54	50	+2	SW	3	o	2	57	50	-	
Malin Head ...	30.22	57	NW	1	ov	29.99	-0.38	53	49	0	SSW	4	cv	2	61	49	-	
Mullaghmore ...	30.21	59	W	2	c	29.97	-0.40	53	50	-1	SSW	3	o	*	63	50	-	
Belmullet ...	30.23	54	NE	3	bc	30.01	-0.34	57	53	+5	SW	2	bc	0	59	44	-	
Donaghadee ...	30.20	56	NW	2	o	30.06	-0.24	50	48	-2	NE	2	o	*	59	47	-	
Barrow-in-Furness	30.19	57	N	1	o	30.06	-0.25	54	49	+3	NW	1	o	2	58	47	-	
Liverpool (Bliston)	30.21	51	N	1	c	30.06	-0.26	57	52	+8	SSW	1	bc	1	58	47	-	
Holyhead ...	30.21	62	W	0	o	30.06	-0.29	55	51	0	W	0	c	*	63	50	-	
Parsonstown ...	30.22	61	NW	1	bc	30.09	-0.24	55	52	0	SSW	3	o	3	63	45	-	
Valencia ...	30.12	55	SE	1	o	30.09	-0.22	55	52	-1	NW	3	bc	3	60	49	-	
Roche's Point ...	30.16	52	NNE	4	o	30.06	-0.18	53	50	+1	NNE	1	bc	0	59	45	-	
Pembroke ...	30.14	53	N	2	bc	30.05	-0.17	53	52	+2	N	2	c	4	54	50	-	
Scilly ...	30.11	56	NE	2	c	30.05	-0.16	51	49	-4	ESE	2	o	2	63	50	-	
Prawle Point ...	30.07	51	N	3	c	30.01	-0.13	50	48	0	ESE	2	og	2	53	47	0.07	
Jersey ...	30.07	54	E	2	c	30.04	-0.14	50	48	-2	NE	2	cm	1	60	47	-	
Hurst Castle ...	30.06	49	ESE	5	c	30.01	-0.10	50	47	+3	ESE	2	bc	2	52	45	0.20	
Dungeness ...	30.09	55	N	3	bc	30.04	-0.17	48	46	-1	NW	1	og	*	62	46	-	
London ...	30.12	52	NE	3	b	30.04	-0.20	48	47	-1	ESE	2	o	*	61	44	-	
Oxford ...	30.12	54	NNE	2	b	30.04	-0.19	48	46	0	W	0	o	*	63	44	-	
Cambridge ...	30.11	47	NNE	4	c	30.02	-0.18	46	45	-2	NE	2	c	3	49	43	0.01	
Yarmouth ...	30.05	51	N	3	b	29.96	-0.20	54	51	+4	E	2	c	*	56	?	-	
Cuxhaven ...	29.98	62	NNE	2	?	29.93	-0.16	60	55	+3	SE	1	o	*	70	52	0.17	
Berlin ...	29.94	53	NW	1	c	30.02	-0.01	48	47	-3	SW	3	?	*	61	45	0.08	
Wiesbaden ...	30.08	47	NE	4	o	29.99	-0.17	48	47	+2	N	1	o	1	52	46	-	
Munich ...	30.00	50	E	4	o	30.00	-0.08	50	48	+4	E	1	o	*	57	43	0.04	
The Helder ...	30.01	47	NNE	1	o	30.01	-0.11	47	46	+1	NNE	1	o	3	48	45	0.16	
Brussels ...	29.99	57	W	0	c	30.02	-0.03	50	48	0	SW	1	bc	*	64	41	-	
Cape Gris Nez ...	30.12	54	NE	4	o	30.03	-0.15	53	50	+5	N	5	o	2	57	41	-	
Paris ...	30.08	51	NE	4	o	30.04	-0.09	47	46	+1	NNE	3	?	2	55	45	0.12	
Brest ...	30.08	51	NW	5	o	30.04	-0.06	51	50	+5	NW	4	o	2	59	45	0.08	
Lorient ...	30.02	53	W	1	bc	30.02	0.00	54	47	+3	SSW	3	bc	*	68	40	-	
Rochefort ...	30.01	51	S	3	c	30.05	+0.01	50	47	+4	SSW	1	c	*	57	43	0.16	
Belfort ...	30.06	52	ESE	1	o	30.03	-0.02	54	48	+2	E	3	b	0	59	45	-	
Lyons ...	30.06	52	SW	1	o	30.11	+0.05	53	49	-3	W	1	bc	*	64	44	0.28	
Nice ...	30.10	52	W	7	o	30.10	-0.01	52	48	+3	WSW	7	o	3	57	45	0.59	
Perpignan ...	30.09	58	NW	7	b	30.17	+0.09	55	48	-1	NW	5	b	2	68	50	-	
Biarritz ...	30.09	58	NW	7	b	30.17	+0.09	55	48	-1	NW	5	b	2	68	50	-	
Corunna ...	30.09	58	NW	7	b	30.17	+0.09	55	48	-1	NW	5	b	2	68	50	-	
Lisbon ...	30.09	58	NW	7	b	30.17	+0.09	55	48	-1	NW	5	b	2	68	50	-	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Tuesday, 17th May,

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

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

○ = dead calm.

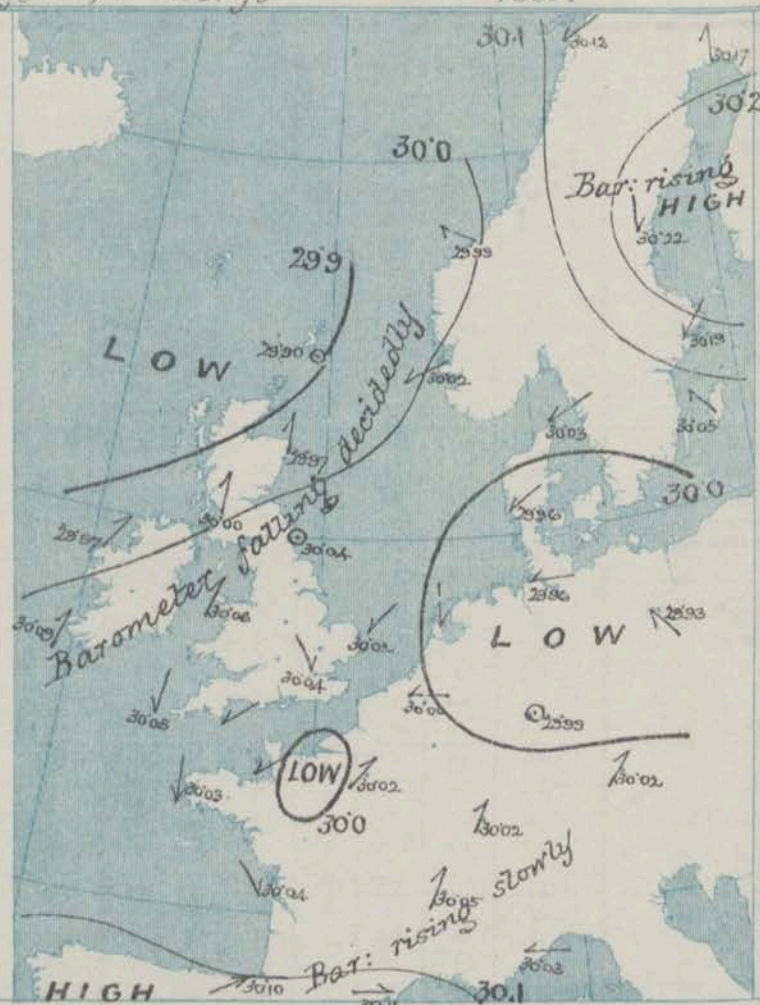
Sea Disturbance — where considerable is shown thus

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.806
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	29.980
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



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

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

Weather — is shown by Letters of the Beaufort Scale.

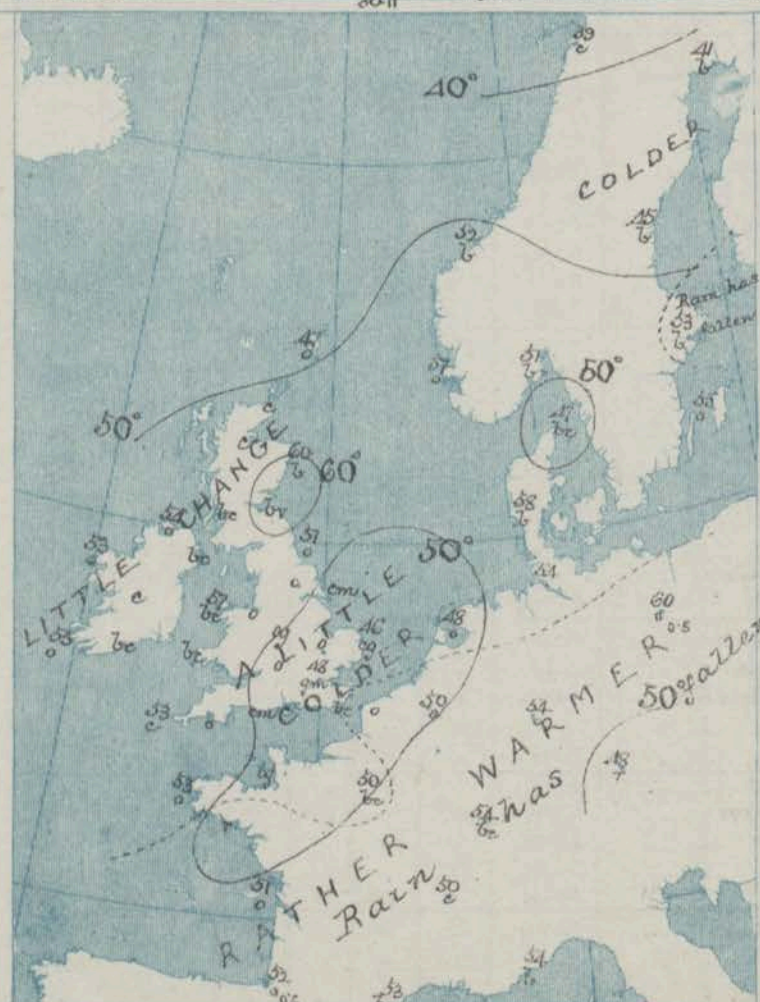
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.64
Wick	53.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	56.6	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	46.3	51.7	48.6	3.05
Pembroke	55.6	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.6	50.1	1.66
Hurst Castle	58.0	45.2	51.2	49.9	1.70
Dover	56.3	46.4	52.5	49.0	1.77
LONDON	61.5	49.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.9	41.8	50.7	47.6	1.76
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins: and upwards, over the Gulf of Bothnia; 30.1 ins: and upwards over Spain and the extreme S. of France.
Lowest, 29.9 ins: and less, over the north and northwest of Scotland, but relatively low 30.0 ins: and less, over Denmark, the Netherlands and North Germany, as well as in a small depression lying over the N. of France.

TEMPERATURE

Highest, 63° at Leith, 60° at Aberdeen and Berlin, 58° at Faro, 57° at Donaghadee, and 55° at Penzance, Valencia, Rochefort, and Lisbon.
Lowest, 33° at Bodø, 41° at Haparanda, 48° at Helsingfors and Spurn Head, and 46° at Yarmouth.

WIND

Light or moderate from the S. in Scotland and the north of Ireland.
Light from NE. in England, from N. in the west of France, and from SW. in the east of that country.
Variable in Germany and the Netherlands.

WEATHER

Fine in Scandinavia, Denmark, Scotland and the south and east of France.
Cloudy or overcast elsewhere, with rain at Lorient, and mist at several of the English stations.
Rain fell yesterday at our extreme southern as well as at the German and French stations.

SEA

Moderate at Christiansund and Scilly, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past 24 hours the distribution of pressure over Western Europe has undergone a very decided change. The anticyclone recently noticed over our Islands has dispersed, and while new high pressure systems have appeared respectively over Sweden and Spain, a large but shallow depression has advanced to our extreme north and northwest coasts.

The distribution of pressure is becoming favourable for the formation of further shallow depressions off our south and southwest coasts, and the weather over England is therefore likely to remain cool and unsettled, with rain in many places.

FORECASTS

for the 24 hours ending at NOON on 18th May. 1887.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

S. and SW. winds, cloudy, rain locally.

1 SCOTLAND
EAST

S. winds, moderate; fine to dull and some rain.

2 ENGLAND
N.E.

Same as No. 4.

3 ENGLAND
EAST

Same as No. 4.

4 MIDLAND
COUNTIES

E. to SE. winds, light; dull, slight rain locally.

5 ENGLAND
SOUTH

E. to variable airs, dull, rain locally.

DISTRICTS.

FORECASTS.

6 SCOTLAND
WEST

Same as No. 1

7 ENGLAND
N.W.

Same as No. 4.

8 ENGLAND
S.W.

Light variable airs; dull generally.
S. and SW. winds, freshening; fair to unsettled and some rain.

9 IRELAND
NORTH

10 IRELAND
SOUTH

-----D°-----D°-----D°-----

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeenaes ...	30.14	54	48	NW 6	bc	3	Holyhead ...	30.27	53	51	N 1	bc	1
Sumburgh Head	30.22	53	50	W 0	c	0	Valencia ...	30.27	62	55	NW 2	cm	2
Stornoway Wick	30.23	61	56	S 1	b	0	Scilly ...	30.17	54	50	NW 4	c	4
Aberdeen ...	30.25	59	51	S 3	b	1	Dungeness ...	30.09	52	48	NW 5	c	4
Shields ...	30.26	55	49	NW 2	b	2	London ...	30.12	56	51	NW 3	o	*
Ardrossan ...	30.27	57	52	SW 1	b	1	Yarmouth ...	30.15	48	47	NW 4	cm	4
Malin Head ...	30.29	54	52	NW 2	o	1	Jersey ...	30.11	53	49	NW 4	o	3
Mullaghmore ...	30.29	60	52	NW 2	c	2	Rochefort ...	30.09	52	50	N 5	o	2
Belmullet ...	30.30	62	57	SW 2	bc	*							

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

The reports of yesterday morning showed a continuation of the high pressure areas over Russia and the British Isles, united by a "col" lying over the North Sea and Baltic. A depression still lay over Northern Europe, but the system over the Mediterranean and South East of France had almost entirely filled up. NW² winds (strong to gale in places) were blowing over Sweden, while in the Gulf of Finland the wind was SW². The NE² wind over England and France, however, had decreased in force, and the weather there was somewhat less showery than on the previous day, while over Eastern Europe it was fine generally. In Scotland and the west of Ireland a warm S² breeze had begun to appear. Temperature was still low over France though less low than on the 15th, and its distribution at 8 am was somewhat complex. The highest individual readings were 72° at Brest and 71° at Oran (Algeria), 70° at Malta, 68° at Brindisi, 66° at Palermo and Aporto, 61° at Lissina, Budapest and Hermannstadt, 59° at Kharkov, 55° at Valencia, 54° at Belmullet and also at Copenhagen, Stockholm and Helsingfors, and 50° both at Aberdeen and Haparanda; the lowest were 39° at Bodø, 44° at Leningrad, 45° at Yantø, 47° in London, 48° at Spurn Head and Loughborough, Cambridge, the Helder, Brussels and Rochefort.

Later on the S² breeze in the west became rather more general and the thermometer again rose to somewhat above 60° in many places, and to 68° at Kairi. The N² winds seemed to be dying out slowly.

The "Times" reports that thunder and heavy rain were experienced at Berlin in the afternoon.

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 May

1887.

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

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.			Weather.	BAROMETER.		SHADE TEMP.			WIND.			Sea (0 to 5.)	Weather.	SHADE TEMP.		Amount of Rainfall.
			Dir.	Force (0 to 12.)	Force (0 to 12.)		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force (0 to 12.)	Force (0 to 12.)			Max.	Min.	
SCANDINAVIA.																			
Haparanda ..	30.13	36	S	2	b	b	30.07	- .10	41	38	0	S	2	b	*	b	48	32	-
Hernösand ...	30.13	41	L	0	b	b	30.04	- .18	48	42	+ 3	SSW	2	b	*	b	54	37	-
Stockholm ...	30.09	48	E	2	bc	bc	29.93	- .26	55	50	+ 2	E	2	bc	*	b	63	45	-
Wisby ...	30.03	51	NE	6	b	b	29.80	- .25	57	50	+ 2	ESE	6	b	*	b	61	45	-
Bodö ...	29.88	49	ENE	4	b	b	29.76	- .36	49	43	+ 10	ENE	4	c	2	c	?	39	-
Christiansund...	29.83	51	NNE	1	bc	bc	29.76	- .23	50	47	- 2	WNW	1	c	3	c	61	36	-
Skudesnaes ...																			
Christiania Fjord (Færder)	29.91	57	E	6	bc	bc	29.80	- .28	52	47	+ 1	ESE	4	b	2	b	57	50	-
Skagen (The Scaw)	29.86	54	L	0	bc	bc	29.69	- .34	52	48	+ 5	ENE	2	bc	2	b	66	46	-
Fanö ...	29.80	55	NW	2	c	c	29.65	- .31	53	50	- 5	NNW	3	c	*	c	66	52	-
BRITISH ISLANDS.																			
Sumburgh Head	29.78	47	W	2	o	o	29.76	- .14	49	46	+ 2	W	1	b	1	b	55	43	-
Stornoway ...																			
Wick ...	29.83	46	NW	3	r	r	29.82	- .07	51	47	- 1	NW	3	bc	1	b	61	35	0.05
Nairn ...	29.85	48	W	1	p	p	29.85	- .06	50	45	- 4	W	2	b	1	b	62	39	0.01
Aberdeen ...	29.82	54	SSW	2	o	o	29.85	- .12	53	47	- 7	NNW	4	b	1	b	63	44	0.07
Leith ...	29.85	59	SE	1	c	c	29.89	- .11	52	46	- 11	W	1	b	*	b	68	43	-
Shields ...	29.88	56	L	0	og	og	29.86	- .18	47	45	- 4	N	1	o	2	b	58	45	0.07
Spurn Head ...	29.91	48	SE	3	bc	bc	29.82	- .24	52	51	+ 7	WNW	3	om	2	b	52	43	-
York ...	29.90	62	E	1	o	o	29.86	- .20	48	47	- 3	NW	2	o	*	b	65	47	0.10
Loughborough	29.92	58	WSW	1	o	o	29.88	- .17	48	46	- 2	WNW	3	o	*	b	64	47	0.02
Ardrossan ...	29.89	52	WNW	3	r	r	29.92	- .08	51	46	- 3	WNW	3	b	2	b	57	42	0.08
Malin Head ...	29.90	51	NW	2	o	o	29.93	- .00	48	44	- 6	NW	3	b	2	b	55	45	0.17
Mullaghmore ...	29.97	52	WNW	5	bc	bc	30.01	+ .02	52	47	- 1	WNW	5	c	3	b	57	44	0.28
Belmullet ...	30.01	53	NW	3	bc	bc	30.02	+ .05	51	46	- 2	WSW	3	c	*	b	53	45	0.17
Donaghadee ...	29.93	50	NE	3	r	r	29.97	- .04	50	47	- 7	WSW	4	b	2	b	66	48	0.05
Barrow-in-Furness	29.92	56	W	2	bc	bc	29.90	- .16	48	46	- 2	NW	4	bc	*	b	59	46	-
Liverpool (Bidston)	29.93	55	WNW	1	c	c	29.94	- .12	49	45	- 5	WNW	4	bc	4	b	52	46	0.06
Holyhead ...	29.94	53	SW	3	om	om	29.99	- .07	53	49	- 4	WNW	4	b	3	b	60	45	0.13
Parsonstown ...	29.99	50	L	0	o	o	30.06	- .00	51	47	- 4	W	1	bc	*	b	59	36	0.07
Valencia ...	30.06	55	N	3	c	c	30.13	+ .04	54	51	- 1	WNW	3	c	3	b	56	45	0.14
Roche's Point...	29.99	51	NNW	4	r	r	30.07	- .02	51	47	- 4	NW	4	bc	4	b	58	44	0.05
Pembroke ...	29.98	51	WNW	3	c	c	30.03	- .03	48	46	- 5	NNW	4	b	3	b	56	45	0.04
Scilly ...	30.05	54	WNW	2	c	c	30.08	+ .03	52	48	- 1	NNW	5	bc	4	b	57	49	0.05
Prawle Point ...	30.01	51	SSW	2	c	c	29.98	- .07	50	48	- 1	NNW	3	c	3	b	54	48	0.09
Jersey ...	30.02	53	NW	2	b	b	29.98	- .03	51	50	+ 1	WSW	3	odm	3	b	56	48	0.03
Hurst Castle ...	29.99	51	W	3	bm	bm	29.92	- .12	51	51	+ 1	W	2	r	1	b	54	48	-
Dungeness ...	29.92	51	SW	3	c	c	29.88	- .16	50	49	0	WSW	3	r	3	b	52	48	-
London ...	29.95	56	WNW	2	bc	bc	29.88	- .16	53	50	+ 5	W	2	o	*	b	57	48	0.01
Oxford ...	29.93	55	SW	1	c	c	29.90	- .14	52	50	+ 4	NW	2	o	*	b	59	48	0.01
Cambridge ...	29.93	56	SW	1	b	b	29.86	- .18	52	50	+ 4	W	1	r	*	b	59	44	0.04
Yarmouth ...	29.94	47	NE	3	c	c	29.87	- .21	53	52	+ 7	NW	2	c	3	b	53	45	-
Cuxhaven ...	29.86	52	S	1	t	t	29.69	- .27	52	51	- 2	WNW	6	o	*	b	59	49	0.24
Berlin ...	29.76	60	NW	4	r	r	29.61	- .32	49	48	- 11	W	4	r	*	b	68	46	1.89
Wiesbaden ...	*	*	*	*	*	*	29.90	- .09	53	49	- 1	SW	3	b	*	b	64	43	0.04
Munich ...	29.97	44	SW	1	c	c	29.98	- .04	47	45	- 1	W	5	o	*	b	52	39	2.68
GERMANY.																			
The Helder ...	29.88	45	NNW	1	r	r	29.80	- .19	47	46	- 1	WNW	1	o	2	b	48	45	0.24
Brussels ...	*	*	*	*	*	*	29.88	- .12	48	47	- 2	WSW	4	r	*	b	61	47	0.04
Cape Gris Nez...	29.94	53	L	0	o	o	29.87	- .14	48	48	+ 1	SW	4	m	3	b	57	46	-
Paris ...	29.97	60	SW	3	bc	bc	29.99	- .03	52	48	+ 2	SW	1	bc	*	b	66	44	-
Brest ...	30.15	58	N	4	c	c	30.06	+ .03	52	49	- 1	NNW	5	o	5	b	55	41	-
Lorient ...	30.06	53	W	3	c	c	30.08	+ .04	51	50	+ 4	W	4	r	2	b	55	45	0.04
Rockefort ...	30.08	55	NW	5	c	c	30.16	+ .12	55	54	+ 4	W	5	o	2	b	59	46	-
Belfort ...	29.99	52	W	1	bc	bc	30.01	- .01	50	47	- 4	S	1	o	*	b	65	41	-
Lyons ...	30.03	51	WSW	1	o	o	30.09	+ .04	50	46	0	NNW	1	bc	*	b	62	44	0.16
Nice ...	29.98	55	S	3	b	b	29.93	- .10	54	46	0	E	1	b	2	b	63	45	-
Perpignan ...	30.08	57	E	1	bc	bc	30.13	+ .02	57	52	+ 4	NW	2	e	*	b	63	50	0.04
Biarritz ...	30.15	52	W	5	r	r	30.23	+ .08	56	53	+ 4	NW	5	o	3	b	59	50	0.51
Corunna ...	*	*	*	*	*	*													
Lisbon ...	30.21	57	NNW	7	b	b	30.27	+ .10	57	52	+ 2	N	7	b	2	b	66	55	-

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on WEDNESDAY 18th May, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

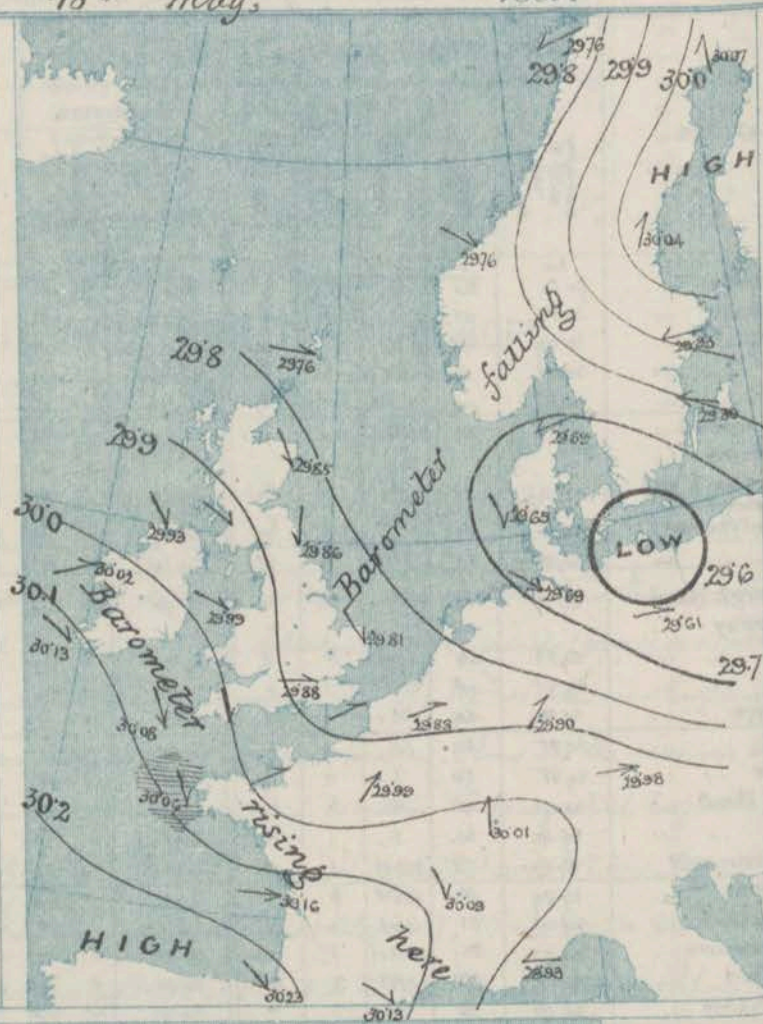
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 → = forces above 10; → = forces 8 to 10;
 → = forces 5 to 7; → = forces 1 to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

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.896
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roshe's Point	29.991
Pembroke	29.989
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



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

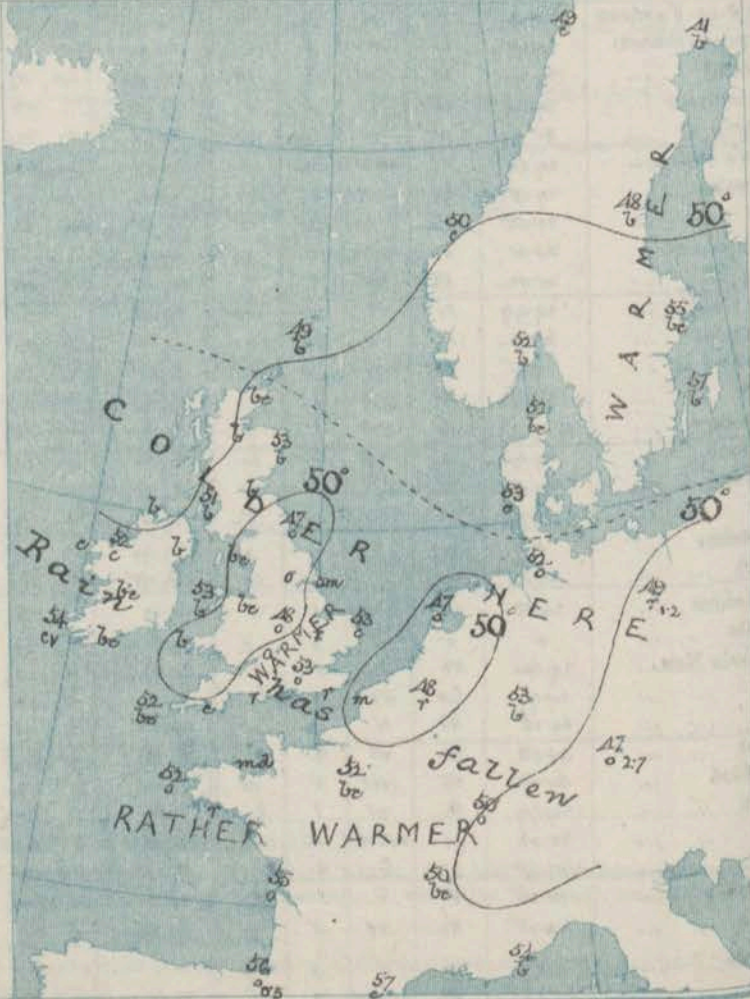
Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.
Weather — is shown by Letters of the Beaufort Scale.
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.	At 4 p.m.	
Sumburgh Head	50.2	40.0	45.9	48.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.64
Wick	59.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	58.6	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roshe's Point	60.5	46.3	51.7	48.8	3.05
Pembroke	55.6	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.6	50.1	1.68
Hurst Castle	58.0	46.2	51.2	49.9	1.70
Dover	56.3	46.4	52.5	49.0	1.77
LONDON	61.5	43.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.9	41.8	50.7	47.6	1.76
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.2 ms and upwards over Spain and the southern parts of the Bay of Biscay, high 30.0 ms and upwards over the Gulf of Bothnia. Lowest, 29.6 ms in a depression, the centre of which is lying over North Germany.
TEMPERATURE	Highest, 57° at Wijk, Perpignan and Lisbon, 56° at Biarritz, 55° at Stockholm and Rochefort and 54° at Valencia and Nice. Lowest, 41° at Haparanda, 47° at Shields, Helder and Munich and 48° at Korsvaer, 1/2 pr, Malin Head, Barrow, Antwerp, Brest, St. Nazaire and Brussels.
WIND	Moderate or fresh from W or NW over the greater part of our islands, France and Germany. Moderate E. over the south of Scandinavia, light S.W. in the north of Sweden.
WEATHER	Gull and rainy over Germany, the Netherlands, the south-east of England and the north of France. Fair or fine in most other localities. [Heavy rain fell yesterday in Germany, a thunderstorm occurred at Lyons and lightning was seen at Cambridge.]
SEA	Rather rough at Brest, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT



The high-pressure system over the Gulf of Bothnia is apparently giving way, while that over Spain is increasing in height and extending slowly northwards.

The barometer is therefore rising on our western and south-western coasts; but as the winds in the north of Ireland are backing to the west and south-west it is probable that further shallow depressions will shortly advance over our islands occasioning showery unsettled weather in most districts.

FORECASTS

for the 24 hours ending at NOON on 19th May 1887.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes ...	29.96	58	50	WSW	4	0	3	Holyhead ...	29.99	59	53	SSW	1	bcm	1
Sumburgh Head ...	29.80	50	47	SSW	2	0	2	Valencia ...	30.04	53	52	NNW	3	r	3
Stornoway-Wick ...	29.79	60	54	S	4	0	2	Scilly ...	30.05	55	53	NW	3	cm	4
Aberdeen ...	29.86	61	51	S	6	6	2	Dungeness ...	29.97	54	50	SSW	2	bc	2
Shields ...	29.92	54	50	SE	1	om	3	London ...	30.00	53	49	WSW	1	o	*
Ardrossan ...	29.91	56	52	WSW	2	0	2	Yarmouth ...	29.98	49	47	NNE	3	c	3
Malin Head ...	29.92	48	47	WNW	3	0	2	Jersey ...	30.02	55	51	W	2	bc	2
Mullaghmore ...	29.96	51	50	WNW	4	or	3	Rochefort ...	30.06	58	55	NW	5	c	2
Belmullet ...	30.00	53	47	NW	3	c	*								

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

Continental Information not to hand.

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; * 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.

SCANDINAVIA.
BRITISH ISLANDS.
GERMANY.
PENIN-
SULA.
FRANCE & NETHERLANDS.

DAILY WEATHER REPORT.

for Thursday 19th May 1887.

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

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

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dirac.	Force. (0 to 12.)			Reading at 8° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Inch.	°					Inch.	Inch.	°	°						°	°	Inch.	
Haparanda ...	29.91	42	Z	0	b	29.73	- .34	39	38	- 2	Z	0	o	*	54	37	—		
Hernösand ...	29.82	46	NE	2	c	29.53	- .51	44	43	- 4	SE	2	r	*	63	34	0.39		
Stockholm ...	29.65	50	SE	2	o	29.45	- .48	46	45	- 9	S	4	r	*	63	45	—		
Wisby ...	29.81	52	S	6	o	29.54	- .26	48	47	- 9	SW	8	o	*	66	46	—		
Bodö ...	29.69	54	ENE	2	b	29.50	- .26	52	47	+ 3	ENE	2	c	2	57	36	—		
Christiansund...	29.71	46	N	2	f	29.33	- .43	46	45	- 4	WSW	3	r	3	52	39	0.08		
Skudeanaes ...	29.61	47	NN	6	r	29.11	- .48	48	45	—	WNW	4	c	2	61	46	—		
Christiania Fjord (Fjord)	29.50	53	NNE	4	o	29.34	- .46	52	51	0	WSW	2	o	1	54	50	0.39		
Skagen (The Scaw)	29.40	51	NE	2	o	29.41	- .28	50	49	- 2	W	3	o	2	54	45	0.35		
Fanö ...	29.54	50	W	6	o	29.65	— .00	46	44	- 7	W	6	o	*	57	46	—		
BRITISH ISLANDS.																			
Sumburgh Head	29.68	49	SW	1	b	29.37	- .39	44	42	- 5	W	2	o	2	53	41	0.09		
Stornoway ...	29.70	52	Z	0	c	29.46	- .36	46	43	- 5	NW	4	b	1	57	41	—		
Wick ...	29.73	54	WNW	3	c	29.54	- .31	41	40	- 9	NW	2	c	2	59	38	0.06		
Nairn ...	29.76	49	SSE	3	c	29.52	- .33	45	41	- 8	NNW	4	o	1	57	43	0.09		
Aberdeen...	29.81	57	W	3	b	29.57	- .32	50	45	- 2	W	2	c	*	64	47	0.01		
Leith ...	29.83	50	S	2	o	29.60	- .26	52	48	+ 5	SSW	3	o	2	53	45	—		
Shields ...	29.87	49	N	2	b	29.74	- .08	50	47	- 2	SW	4	c	2	52	43	0.08		
Spurn Head ...	29.89	53	W	3	o	29.71	- .15	50	47	+ 2	W	3	o	*	58	46	0.01		
York ...	29.90	55	WNW	4	b	29.79	- .09	51	48	+ 3	WSW	3	c	*	60	43	0.01		
Loughborough	29.85	52	SW	2	o	29.62	- .30	47	43	- 4	WNW	4	o	3	57	45	0.12		
Arrossan ...	29.80	49	W	3	op	29.67	- .26	45	42	- 3	NW	3	op	4	54	42	0.23		
Malin Head ...	29.89	50	WSW	5	ogp	29.45	- .26	49	44	- 5	WNW	5	o	4	55	45	0.13		
Mullaghmore	29.91	51	WSW	3	o	29.78	- .24	45	43	- 6	NW	2	r	*	52	45	0.19		
Belmullet ...	29.90	49	WNW	3	r	29.70	- .27	49	48	- 1	NNW	4	b	2	58	46	0.09		
Donaghadee ...	29.91	52	WSW	4	c	29.68	- .22	48	47	0	SW	6	r	*	55	46	0.10		
Barrow-in-Furness	29.94	52	W	3	b	29.72	- .22	51	49	+ 2	WSW	3	r	4	54	45	0.07		
Liverpool (Bidston)	29.97	50	SW	4	o	29.75	- .24	51	50	- 2	WSW	4	c	3	57	46	0.09		
Holyhead ...	29.99	47	S	1	r	29.82	- .24	50	47	- 1	W	1	o	*	57	46	0.15		
Parsonstown ...	30.04	51	WSW	4	o	29.89	- .24	53	51	- 1	W	4	omv	4	56	48	0.09		
Valencia ...	30.06	50	W	3	r	29.86	- .21	53	49	+ 2	W	3	o	4	55	48	0.06		
Pembroke ...	30.07	50	W	4	o	29.84	- .19	51	50	+ 3	W	5	bcm	4	53	46	0.09		
Scilly ...	30.11	53	WNW	4	o	29.97	- .11	53	52	+ 1	WSW	5	o	5	55	48	0.02		
Prawle Point ...	30.07	52	WNW	3	c	29.97	- .01	50	49	0	SSW	5	og	4	62	49	0.07		
Jersey ...	30.04	52	WNW	5	b	30.02	+ .04	51	49	0	W	5	ogm	4	57	47	0.03		
Hurst Castle ...	29.95	58	WNW	4	b	29.93	+ .01	51	50	0	WSW	5	c	2	61	46	0.05		
Dungeness ...	29.90	51	SW	2	og	29.90	+ .05	48	47	- 2	W	4	r	3	54	41	0.03		
London ...	29.90	57	NW	3	c	29.89	+ .01	49	47	- 4	SW	3	o	*	59	43	0.10		
Oxford ...	29.94	51	NW	2	b	29.85	- .05	48	47	- 4	SW	3	op	*	58	45	0.05		
Cambridge ...	29.90	53	N	1	o	29.84	- .02	49	47	- 3	SW	2	o	*	59	39	0.02		
Yarmouth ...	29.87	49	NNW	3	c	29.83	+ .02	49	47	- 4	WSW	3	c	2	57	41	0.09		
Cuxhaven ...	29.67	49	WNW	6	r	29.74	+ .05	48	48	- 4	WNW	4	o	*	57	46	0.10		
Berlin ...	29.74	53	WSW	2	b	29.84	+ .23	54	51	+ 5	W	3	o	*	59	48	0.87		
Wiesbaden ...	*	*	*	*	*	29.93	+ .03	55	51	+ 2	SW	2	o	*	64	50	0.04		
Munich ...	29.98	48	SW	2	c	30.02	+ .04	46	44	- 1	SW	4	r	*	57	41	0.08		
GERMANY.																			
The Helder ...	29.79	48	NW	3	o	29.83	+ .03	49	47	+ 2	WSW	3	o	2	50	46	—		
Brussels ...	*	*	*	*	*	29.92	+ .04	49	48	+ 1	SSW	4	o	*	53	?	0.39		
Cape Gris Nez...	29.89	50	N	1	r	29.92	+ .05	48	48	0	W	5	o	3	52	46	0.04		
Paris ...	29.95	54	W	1	r	30.04	+ .05	49	46	- 3	W	1	o	*	52	45	—		
Brest ...	30.17	50	NW	4	b	30.10	+ .04	51	50	- 1	WSW	5	c	4	59	43	—		
Lorient ...	30.12	55	NW	7	b	30.13	+ .05	51	48	0	W	5	o	4	57	48	—		
Roche fort ...	30.17	55	WNW	8	b	30.21	+ .05	52	50	- 3	NW	4	o	2	59	45	—		
Belfort ...	29.98	53	S	1	o	30.04	+ .03	47	46	- 3	SW	4	o	*	61	44	0.20		
Lyons ...	30.08	51	NNW	1	o	30.13	+ .04	50	45	0	WNW	4	b	*	61	45	0.16		
Nice ...	29.93	58	E	1	b	29.97	+ .04	55	51	+ 1	Z	0	b	1	64	45	—		
Perpignan ...	30.13	62	NW	3	b	30.15	+ .02	57	57	0	N	5	o	*	66	50	—		
Biarritz ...	30.26	56	W	7	r	30.21	- .02	54	52	- 2	WSW	4	o	2	59	52	0.12		
FRANCE & NETHERLANDS.																			
Corunna ...	*	*	*	*	*	30.26	- .01	58	53	+ 1	NNE	5	b	2	66	54	—		
Lisbon ...	30.25	57	NNW	7	b														
PENIN. SULA.																			

For Explanation of Columns, see p. 4.

WEATHER

for 8 a.m. on

CHARTS

Thursday 19th May

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

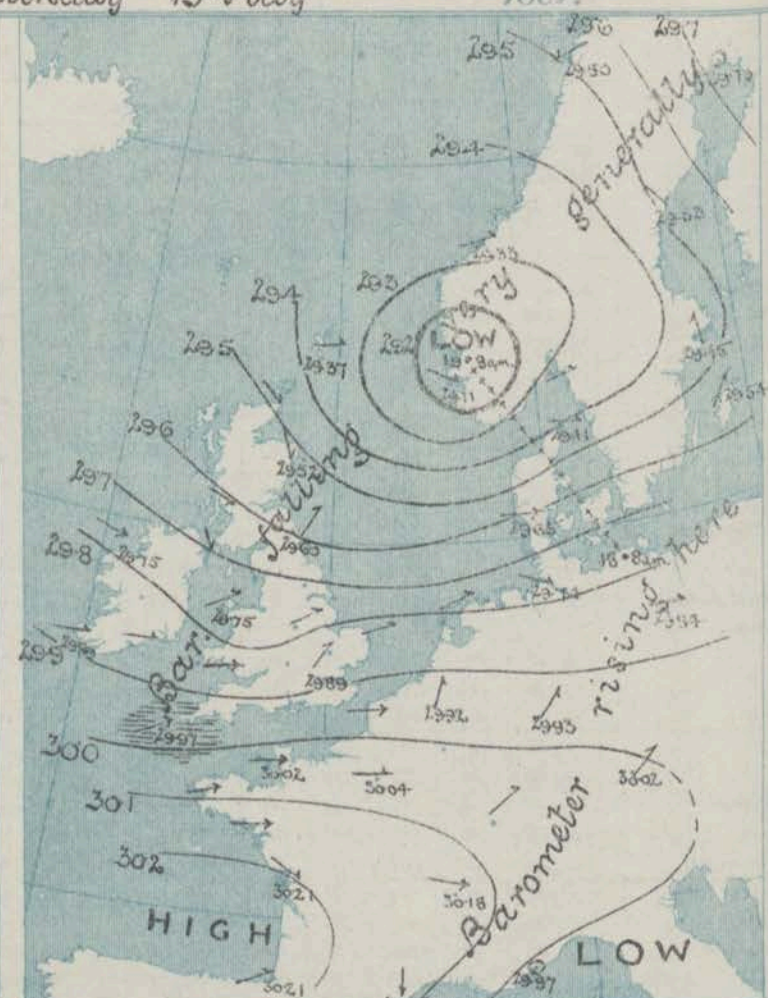
Sea Disturbance — where considerable is shown thus

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.896
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	29.989
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.905
Yarmouth	29.984



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

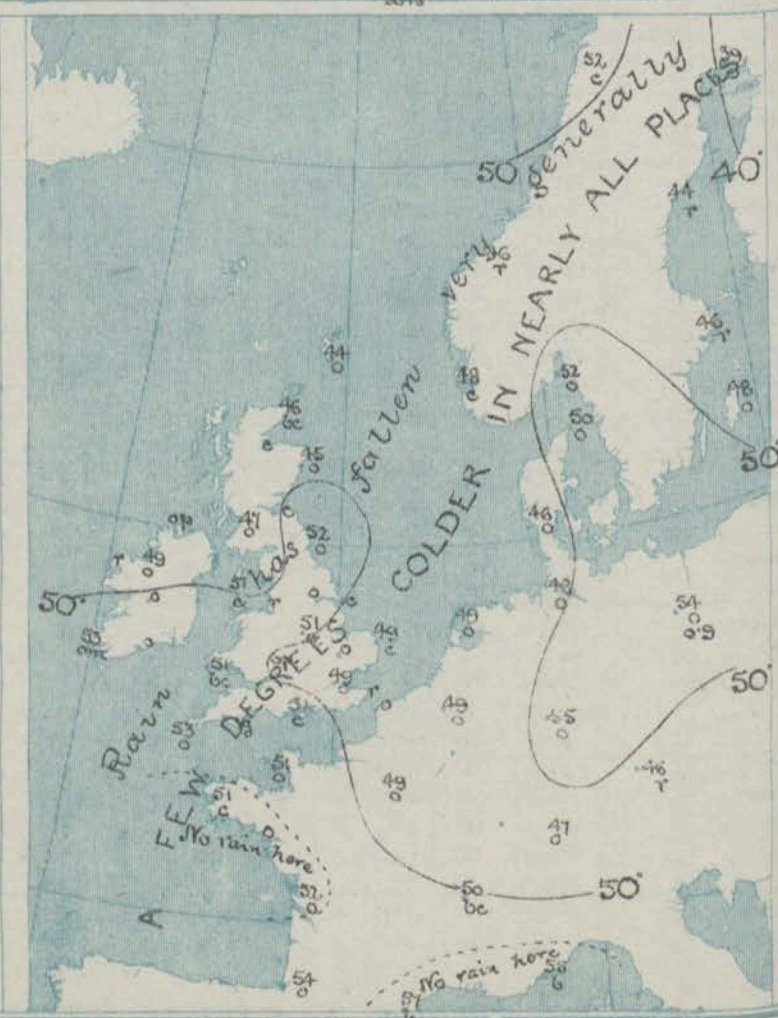
Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.
Weather — is shown by Letters of the Beaufort Scale.
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May

STATIONS.	TEMPERATURE.				RAINFALL (Inches).
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.64
Wick	53.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	56.6	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	46.3	51.7	48.6	3.05
Pembroke	55.6	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.6	50.1	1.66
Hurst Castle	58.0	45.2	51.2	49.9	1.70
Dover	56.3	46.4	52.5	49.0	1.77
LONDON	61.5	43.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.9	41.8	50.7	47.6	1.78
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins and appears over Spain the south-west of France and the northern part of the Bay of Biscay.
Lowest, 29.2 ins and lies in a depression having its centre near Brest.
Gradients slight over our islands, but moderately steep over the North Sea.

TEMPERATURE

Highest, 58° at Lisbon, 57° at Perpignan, 55° at Wiesbaden and Nice, 54° at Berlin and 53° at Valencia and Seville.
Lowest, 39° at Haparanda, 41° at Nairn, 44° at Harnosand and Dunburgh Head and 45° at Aberdeen, Malin Head and Redoubt.

WIND

Moderate NW in Scotland and the north of Ireland, S by SE in London.
Fresh W or SW over the more southern parts of Western Europe.

WEATHER

Cloudy or overcast generally with rain in many parts of our islands and Scandinavia.
Fine in the south of France. Two mock suns observed at Lifford, Londonderry at 8 am.
[Rain fell generally yesterday, — heavily at Berlin, and a solar halo was seen at Jersey.]

SEA

Rather rough at Lifford, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The small depression noticed over North Germany yesterday has travelled in a northwesterly direction to the south of Norway, where it has apparently been joined by a new disturbance, the centre of which has passed across Scotland during the night. The barometer has therefore risen somewhat over Germany and the east of France, but fallen elsewhere, — most in Scandinavia and the north of our islands.

In addition to the depression over Norway some subsidiary disturbances are lying over our western coasts. These are likely to move eastwards, and in their rear a temporary improvement in the weather is probable over England.

FORECASTS

for the 24 hours ending at NOON on

20th May.

1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW ^{ly} to W ^{ly} winds, moderate, cloudy, some rain.
1	SCOTLAND EAST	D° ————— D°
2	ENGLAND N.E.	Same as N° 5.
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	Same as N° 5.
5	ENGLAND SOUTH	SW ^{ly} and W ^{ly} winds, moderate, dull and rainy at first, but improving later.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	W ^{ly} winds, moderate, dull, some rain.
7	ENGLAND N.W.	SW ^{ly} and W ^{ly} winds, moderate or fresh, cloudy, some rain.
8	ENGLAND S.W.	W ^{ly} to SW ^{ly} winds, fresh, changeable, some rain.
9	IRELAND NORTH	Same as N° 0.
10	IRELAND SOUTH	Same as N° 8.
		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 S.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (∨) means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.) Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Day.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnes ...	29.70	60	53	W 2	0	2	Holyhead ...	30.01	56	49	W 2	6	2
Sumburgh Head ...	29.75	51	46	W 2	6	2	Valencia ...	30.11	52	51	W 3	7 m	4
Aberdeen Wick ...	29.78	52	49	SE 2	0	0	Scilly ...	30.12	53	49	NW 5	6 c	4
Aberdeen ...	29.81	55	48	SSE 4	0	1	Dungeness ...	29.86	52	51	W 4	2 p	3
Shields ...	29.86	52	48	E 2	6	2	London ...	29.91	51	47	NW 8	0 r	4
Ardrossan ...	29.89	55	48	WSW 3	6	2	Yarmouth ...	29.83	52	51	NW 3	0 r	3
Malin Head ...	29.88	52	48	WNW 3	0	3	Jersey ...	30.01	55	53	W 4	6	3
Mullaghmore ...	29.96	52	48	W 5	0	4	Rochefort ...	30.17	56	54	W 7	0	3
Belmullet ...	29.97	50	48	W 3	7	4							

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

The Continental reports for yesterday morning showed that an anticyclone (30.3 ins. and upwards) was lying over Northern Russia, while another area of high pressure, with readings exceeding 30.2 ins. existed over Spain and the extreme southwest of France. Over Northwestern and Central Europe, however, there was a large trough of low pressure (29.9 ins. and less) with the centre of a small but well defined depression over North Germany. Moderate breezes from W. or NW. prevailed over the greater part of our Islands and France, and SW. breeze in Germany and Northern Italy, but in Sweden and Russia the wind varied between E. and S. The weather was in a dull unsettled condition at all the more central stations, with rain in Germany, the east of France and southeast of England, but in the outlying regions (Russia, Spain, Italy, Algeria, and the west and north of our Islands) it was generally fine. Temperature had fallen a few degrees over Central Russia, as well as at some of the German, Austrian, and North British stations, but risen elsewhere; readings ranged from 65° and upwards over Eastern Europe, and also at some of the Spanish, Algerian, and Italian stations, to 45° or less over the northern parts of Russia and Sweden. The highest individual readings were 70° at Rikta, 68° at Brindisi and Odero, 66° at Bilbao and Nicolaiiff, and 65° at Oran and Constantinople; the lowest were 41° at Haparanda, 42° at Archangel, 45° at St. Petersburg and 46° at Kuepio.

In the course of the day the depression over North Germany moved steadily in a northwesterly direction towards Norway, while a new disturbance appeared off the west of Scotland. A temporary improvement in the weather therefore took place at our southern stations, but in the west and north of our Islands rain again set in.

General Remarks on the Weather over Europe for 24 hours ended at 8 am May 18th

The Continental reports for Tuesday morning showed that barometric pressure over Europe was exceedingly uniform. Areas of high readings (30.1 ins. and upwards) were found respectively over Sweden and Northern Russia and over Spain, while shallow depression systems in which the barometer was a little below 29.9 ins. existed respectively over North Germany and the extreme NW. of our Islands. A small shallow depression (30.0 ins. and less) was also lying over the north of France. With these conditions the wind varied greatly in different localities. Over Northern Europe it was chiefly E., but in the W. and N. of our Islands it was SW. or S., in the west of France NW., and in Italy and the south of France SW. Over Algeria light N. breezes were reported. Cloudy or overcast skies were reported over England, France, Germany, and the Netherlands, with rain in many places, but elsewhere the weather was generally fine. Temperature had changed rather irregularly, but the general tendency was for a slight rise, readings ranged from between 65° and 70° over S. and SE. Europe to 40° or less in the extreme N. The highest individual readings were 72° at Rikta, 68° at Brindisi, 67° at La Galle, Sfax and Palermo, 66° at Lophou and Budapest, the lowest 35° at Archangel, 33° at Rikta, 41° at Haparanda and Kuepio, and 42° at Uleaborg.

In the course of the day the low pressure system to the NW. of our Islands extended E., and rainy weather therefore spread to all the more E. parts of the Kingdom.

NOTICE. The Meteorological Office has for disposal a few copies of the Daily Synoptic Charts of the North Atlantic and adjacent shores for 1884 and some previous years—issued by the Deutsche Seewarte at Hamburg and the Royal Meteorological Institute at Copenhagen, price 45/- each year.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Friday 20th May 1887.

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

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.																		
STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ...	29.57	42	W	0	T	29.71	-0.2	46	45	+1	E	4	b	*	59	39	0.32	
Hernösand ...	29.52	45	E	4	C	29.71	+1.8	47	44	+3	S	4	b	*	50	41	0.24	
Stockholm ...	29.73	51	S	2	bc	29.85	+1.40	57	54	+11	W	0	b	*	61	41	-	
Wisby ...	29.75	47	SW	4	0	29.82	+1.23	48	47	0	W	4	b	*	59	46	-	
Bodö ...	29.26	46	S	2	T	29.51	+0.1	45	42	-7	W	0	c	0	52	45	0.20	
Christiansund ...	29.34	48	SE	4	bc	29.50	+1.7	45	42	-1	W	2	c	3	48	39	0.20	
Skudesnaes ...	29.50	42	WNW	6	T	29.28	+1.7	46	45	-2	SE	6	T	4	-	43	-	
Christiania Fjord (Perder)	29.56	49	SW	9	C	29.61	+1.27	49	49	-3	SE	9	0	5	55	48	-	
Skagen (The Scaw)	29.65	48	W	3	0	29.88	+1.7	50	49	0	S	4	C	2	57	45	-	
Fanö ...	29.70	47	SW	6	b	29.46	-1.9	50	49	+4	SE	7	T	*	54	46	0.04	
BRITISH ISLANDS.																		
Sumburgh Head	29.36	43	W	1	bc	29.28	-0.9	42	40	-2	W	0	T	1	48	36	0.13	
Stornoway ...	29.37	44	WNW	5	bc	29.26	-2.0	44	41	-2	N	5	C	1	51	39	0.02	
Wick ...	29.41	46	WNW	2	C	29.30	-2.4	41	37	0	WNW	4	C	4	52	36	-	
Nairn ...	29.42	51	W	3	bc	29.18	-3.4	40	39	-5	N	7	T	4	55	40	0.04	
Aberdeen ...	29.47	51	NW	3	0	29.19	-3.8	40	39	-10	NW	3	T	*	57	38	0.76	
Leith ...	29.53	51	SW	2	0	28.92	-6.8	42	42	-10	N	7	T	5	57	41	0.32	
Shields ...	29.60	51	W	4	T	28.96	-7.8	49	47	-1	W	5	bc	3	55	46	0.31	
Spurn Head ...	29.61	49	SW	2	0	28.96	-7.5	46	45	-4	SW	1	0	*	61	44	0.50	
York ...	29.64	52	W	2	0	29.15	-6.4	44	42	-7	WNW	6	0	*	59	43	0.45	
Loughborough	29.45	47	SSW	1	0	29.28	-3.2	41	38	-6	NW	4	0	2	53	36	1.10	
Ardrossan ...	29.36	44	SE	3	0	29.47	-2.0	41	39	-4	WNW	5	0	5	50	37	0.29	
Malin Head ...	29.26	44	E	6	Tm	29.55	-2.0	45	41	-4	NW	8	0	6	50	39	0.55	
Mullaghmore ...	29.17	52	SW	3	0	29.67	-1.1	40	38	-5	NW	7	0	*	52	37	0.60	
Belmullet ...	29.44	44	SSW	2	T	29.37	-3.3	43	40	-6	WNW	7	0	5	55	41	0.47	
Donaghadee ...	29.53	46	S	4	T	29.05	-6.3	40	39	-8	NW	11	T	*	52	39	0.60	
Barrow-in-Furness	29.55	48	SE	2	T	29.18	-5.4	42	38	-9	WNW	10	T	6	53	40	0.75	
Liverpool (Bidston)	29.49	48	SSW	5	Tm	29.39	-3.6	43	40	-8	WNW	11	0	9	55	41	0.66	
Holyhead ...	29.31	53	SW	2	T	29.63	-1.9	42	41	-8	W	4	0	*	53	37	0.78	
Parsonstown ...	29.46	54	W	7	Tm	29.86	-0.3	47	44	-6	NW	6	0	5	54	40	0.33	
Valencia ...	29.48	54	W	5	T	29.70	-1.6	45	41	-8	NW	6	0	4	55	41	0.10	
Roche's Point ...	29.53	50	SSW	6	T	29.59	-2.5	44	43	-7	NW	7	0	6	51	36	0.19	
Pembroke ...	29.75	54	SW	6	0	29.77	-2.0	47	44	-6	NW	8	0	7	54	44	0.12	
Seilly ...	29.79	50	W	6	m	29.66	-3.1	46	44	-2	WNW	6	0	6	52	46	0.22	
Prawle Point ...	29.91	52	W	4	0	29.68	-3.4	52	47	+1	WNW	7	0	5	55	50	0.32	
Jersey ...	29.78	51	W	6	m	29.51	-4.2	48	45	-3	WNW	9	0	5	58	46	0.20	
Hurst Castle ...	29.79	50	W	5	T	29.39	-5.1	50	46	+2	W	7	0	6	55	47	0.17	
Dungeness ...	29.78	52	SW	3	T	29.33	-5.6	44	42	-5	W	7	0	*	61	44	0.28	
London ...	29.62	51	SW	4	0	29.85	-1.50	46	42	-2	W	7	0	*	59	44	0.22	
Oxford ...	29.64	55	W	1	0	29.20	-6.4	46	44	-3	W	3	0	*	60	45	0.11	
Cambridge ...	29.71	52	W	1	p	29.16	-6.7	49	46	0	SW	7	0	4	57	47	0.36	
Yarmouth ...	29.83	47	SW	2	l	29.63	-1.1	52	50	+4	E	5	0	*	53	47	0.12	
Cuxhaven ...	29.88	55	?	?	b	29.88	+0.4	54	50	0	SW	2	0	*	61	50	0.44	
Berlin ...	*	*	*	*	*	29.88	-0.5	51	48	-4	S	3	0	*	57	45	0.63	
Wiesbaden ...	30.04	48	W	4	C	30.01	-0.1	50	46	+4	SW	3	0	*	54	41	0.04	
Munich ...	29.73	50	SW	5	0	29.30	-5.3	50	50	+1	SW	8	T	4	55	48	0.35	
The Helder ...	*	*	*	*	*	29.51	-4.1	49	49	0	SW	9	T	*	53	48	0.10	
Brussels ...	29.82	50	W	2	0	29.39	-5.3	50	45	+2	W	9	T	7	52	46	0.24	
Cape Gris Nez ...	30.01	55	SW	3	0	29.73	-3.1	50	49	+1	SW	7	T	*	57	49	0.16	
Paris ...	29.97	55	SW	7	0	29.82	-2.8	50	47	-1	NW	7	0	5	59	41	0.12	
Brest ...	30.02	54	SSW	5	0	29.82	-3.1	52	48	+1	WNW	7	0	5	55	50	0.20	
Lorient ...	30.24	56	WNW	5	C	29.99	-2.2	55	54	+3	SW	8	T	3	63	48	0.04	
Rockfort ...	29.95	51	S	1	0	29.94	-1.0	53	48	+6	W	1	0	*	55	36	-	
Belfort ...	30.11	56	NE	1	C	30.01	-1.2	50	46	0	SSW	1	0	*	59	40	-	
Lyons ...	29.94	55	W	0	b	29.97	-0.0	54	52	-1	W	1	0	1	66	46	-	
Nice ...	30.11	63	NW	4	0	30.10	-0.5	61	55	+4	SW	1	0	*	69	47	-	
Perpignan ...	30.22	59	N	1	bc	30.13	-0.8	57	53	+3	W	4	C	2	63	52	-	
Biarritz ...	*	*	*	*	*	30.24	-0.2	58	53	0	N	8	bc	3	64	54	-	
Coranna ...	30.23	57	WNW	5	bc													
Lisbon ...																		

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Friday, 20th May, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

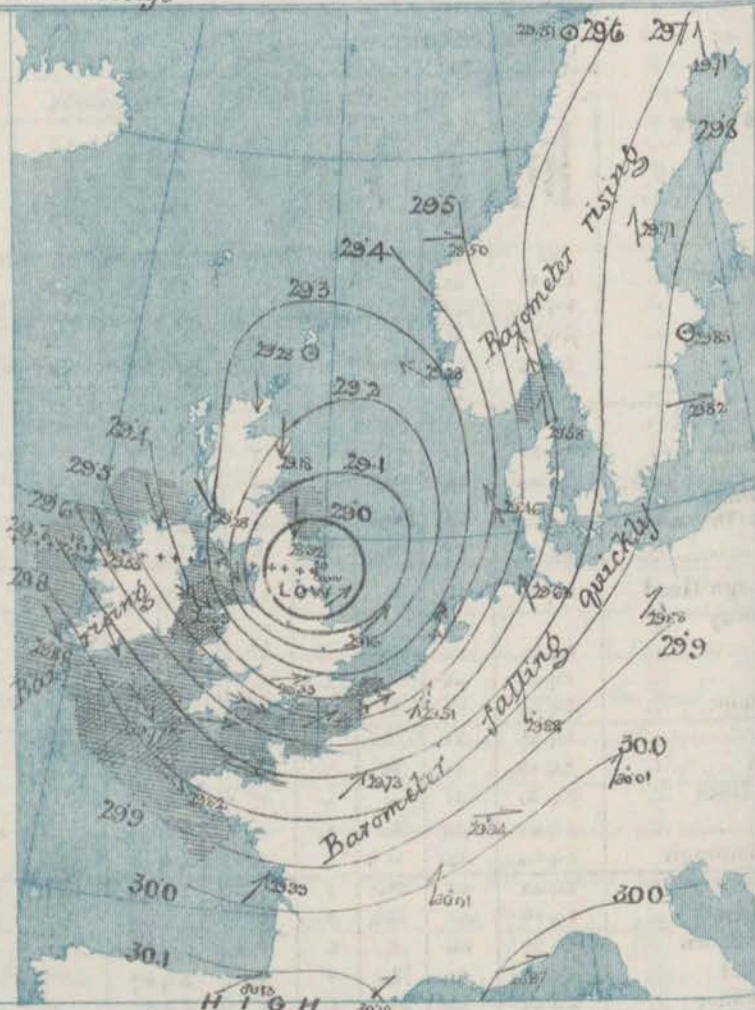
Sea Disturbance — where considerable is shown thus

■ — Rough. ■ — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.806
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	29.989
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.	At 4 p.m.	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.64
Wick	53.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	58.8	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	46.3	51.7	48.6	3.05
Pembroke	55.6	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.6	50.1	1.66
Hurst Castle	58.0	45.2	51.2	46.9	1.70
Dover	56.3	46.4	52.5	49.0	1.77
LONDON	61.5	43.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.9	41.8	50.7	47.6	1.78
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.24 ins. at Lisbon, 30.13 ins. at Biarritz.
Lowest, 29.0 ins. and less, in a deep depression the centre of which is lying off the northeast of England.
Gradients very steep for NW winds in the west of England, and steep for S winds over the North Sea.

TEMPERATURE

Highest, 61° at Perpignan, 58° at Lisbon, 57° at Stockholm and Biarritz, and 55° at Rochefort.
Lowest, 40° at Aberdeen, Leith, Belmullet, and Banora in Limerick, and 41° at Aarhu, Copenhagen, and Malin Head.

WIND

N² in the east of Scotland and northeast of England, NW² on our west and southwest coasts, W in the Channel.
SW² in France, S in the Netherlands and Denmark, and SE in the south of Norway.
Strong to a gale generally; very severe NW² gale blowing in the Irish Sea.

WEATHER

Fine in Sweden, Germany and the east of France.
Cloudy elsewhere, with steady rain on our north-east coasts, and passing showers in many other localities.
Heavy rain fell yesterday in the west of our Islands, and thunderstorms occurred in the east of England.

SEA

Tremendously high at Holyhead, high at Sally, and rough on our west and south coasts generally as well as at Shields.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed over the southwest of Norway yesterday has travelled away to the northward of our Islands, but in the course of the night a new disturbance of considerable depth has passed quickly in an easterly direction across Ireland and England, occasioning a general and rapid fall of the barometer. The centre of this system, in which readings are below 29.0 ins. now lies off the northeast of England, and the barometer has begun to rise again on our western and southern coasts.

The depression will probably continue to travel eastwards, but with relatively low pressures over Northern Europe its progress is likely to become less rapid, and the improvement in the weather over our Islands will therefore be somewhat gradual.

FORECASTS

For the 24 hours ending at NOON on 21st May.

1887.

DISTRICTS.

FORECASTS.

* 0	SCOTLAND NORTH	N ² gales, moderating later, squally, occasional showers.
* 1	SCOTLAND EAST	-----D°-----D°-----D°-----
* 2	ENGLAND N.E.	-----D°-----D°-----D°-----
* 3	ENGLAND EAST	SW ² to NW ² strong winds and gales, squally, showery.
* 4	MIDLAND COUNTIES	Same as N° 5.
* 5	ENGLAND SOUTH	W ² gals, moderating gradually, squally and showery to fair.

DISTRICTS.

FORECASTS.

* 6	SCOTLAND WEST	NW ² and N ² winds, increasing to a gale, squally showery.
* 7	ENGLAND N.W.	NW ² gales, moderating gradually, squally and showery to fair.
* 8	ENGLAND S.W.	-----D°-----D°-----D°-----
* 9	IRELAND NORTH	-----D°-----D°-----D°-----
* 10	IRELAND SOUTH	-----D°-----D°-----D°-----

WARNINGS

The S. cone was hoisted yesterday in districts 2, 3, and 5 to 10, and the N. cone has been hoisted this morning in districts 0 and 1. An asterisk is inserted against those districts in which signals are now flying.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Ther.	Wet.	Wind.	Wen.	Sea.		Bar.	Ther.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	29.48	49	46	S 6	O	3	Holyhead ...	29.70	50	48	SSW 2	O	2
Sumburgh Head ...	29.38	47	41	W 2	bc	2	Valencia ...	29.67	53	53	SW 4	cm	6
Sternesway Wick ...	29.42	49	43	W 6	bc	2	Sailly ...	29.90	57	54	W 5	O	5
Aberdeen ...	29.49	49	45	W 4	T	1	Dungeness ...	29.84	55	51	W 5	e	4
Shields ...	29.58	57	47	SW 4	cp	2	London ...	29.78	58	54	W 4	cp	*
Ardrossan ...	29.59	51	44	W 3	O	2	Yarmouth ...	29.75	55	52	SW 4	c	3
Malin Head ...	29.57	47	43	W 2	O	2	Jersey ...	29.99	54	52	W 5	O	4
Mullaghmore ...	29.61	45	43	W 2	OT	3	Rocheport ...	30.22	62	57	W 2	bc	2
Belmullet ...	29.56	45	44	S 3	T	*							

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

Continental Information not yet to hand.

NOTICE. The Meteorological Office has for disposal a few copies of the Daily Synoptic Charts of the North Atlantic and adjacent shores for 1884 and some previous years—issued by the Deutsche Seewarte at Hamburg, and the Royal Meteorological Institute at Copenhagen, price 45/- each year.

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

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

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

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DAILY WEATHER REPORT.

for Saturday 21st May 1887.

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

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STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 2.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.			
SCANDINAVIA.	In.	°				In.	In.	°	°	°					°	°	In.		
Haparanda ..	29.84	43	S	2	b	29.92	+2.1	51	49	+5	2	0	b	*	?	37	-		
Hernösand ...	29.82	43	SE	0	b	29.83	+1.2	47	45	0	2	0	b	*	55	43	-		
Stockholm ...	29.81	46	SE	2	b	29.75	-1.0	55	53	-2	2	0	b	*	64	41	-		
Wisby ...	29.78	49	ENE	4	b	29.70	-1.2	51	49	+3	4	0	b	*	59	45	-		
Bodö ...	29.68	51	ENE	2	b	29.75	+2.4	51	44	+6	2	0	b	1	?	45	-		
Christiansund...	29.32	57	ENE	7	c	29.32	-1.8	59	49	+14	7	0	b	2	59	27	-		
Skudesnaes ...	29.15	49	SE	8	0	29.43	+1.5	48	42	-1	7	0	b	5	?	?	-		
Christiania Fjord (Færder)	29.44	51	SE	8	0	29.62	+0.1	48	44	-1	6	0	b	5	52	46	0.32		
Skagen (The Scaw)	29.43	49	S	5	0	29.65	+0.7	46	44	-4	2	0	1	52	43	0.16			
Faßö ...	29.39	45	SEW	2	c	29.62	+1.6	51	46	+1	4	0	b	*	54	43	0.32		
BRITISH ISLANDS.																			
Sumburgh Head	29.13	41	N	4	r	29.03	-2.5	43	41	+1	5	0	5	48	38	0.46			
Stornoway ...																			
Wick ...	29.25	42	WNW	8	c	29.20	-0.6	43	41	-1	4	0	2	48	32	0.02			
Nairn ...	29.35	44	WNW	5	c	29.30	-0.0	41	41	0	3	0	3	49	34	0.02			
Aberdeen...	29.24	43	WNW	8	cq	29.33	+1.5	46	38	+6	3	0	2	47	31	0.10			
Leith ...	29.36	48	NW	4	b	29.39	+2.0	45	40	+5	1	0	3	50	37	-			
Shields ...	29.33	47	WNW	3	0	29.45	+5.3	44	40	+2	4	0	3	47	37	0.19			
Spurn Head ...	29.39	47	W	6	c	29.59	+6.3	45	42	-4	4	0	4	49	39	0.08			
York ...	29.41	44	W	4	0	29.56	+6.0	45	42	-1	4	0	4	49	38	0.20			
Loughborough	29.53	45	WNW	3	c	29.66	+5.1	47	43	+3	4	0	4	48	37	-			
GERMANY.																			
Ardrossan ...	29.47	45	NW	7	b	29.42	+1.4	49	39	-1	4	0	3	48	37	0.28			
Malin Head ...	29.57	44	NW	4	b	29.50	+0.3	43	41	+2	4	0	5	45	37	0.08			
Mullaghmore ...	29.74	46	WNW	8	cq	29.64	+0.9	46	42	+1	8	0	6	49	39	0.19			
Belmullet ...	29.84	45	WNW	7	cq	29.73	+0.6	46	41	+6	7	0	4	47	39	0.17			
Donaghadee ...	29.61	43	N	7	b	29.54	+1.7	45	42	+2	6	0	4	48	37	0.18			
FRANCE & NETHERLANDS.																			
Barrow-in-Furness	29.50	46	WNW	8	b	29.53	+4.4	44	41	+4	8	0	4	48	39	0.25			
Liverpool (Bidston)	29.54	45	W	7	b	29.59	+4.4	43	40	+1	7	0	5	48	40	0.06			
Holyhead ...	29.64	44	WNW	8	cq	29.64	+2.5	43	41	0	6	0	6	49	40	0.03			
Parsonstown ...	29.81	47	WNW	8	b	29.74	+1.1	44	41	+2	1	0	4	49	38	0.07			
Valencia ...	29.99	47	NW	5	cq	29.89	+0.3	48	45	+1	5	0	6	52	44	0.17			
Roche's Point...	29.87	48	NW	6	b	29.80	+1.0	46	43	+1	5	0	4	50	40	0.16			
Pembroke ...	29.77	46	NW	6	b	29.75	+1.6	45	43	+1	6	0	6	46	40	-			
Scilly ...	29.91	49	W	8	c	29.90	+1.3	49	46	+2	6	0	6	51	44	0.03			
Prawle Point ...	29.89	41	NW	5	c	29.82	+1.6	48	44	0	6	0	6	51	41	0.08			
Jersey ...	29.85	46	WNW	7	c	29.93	+2.5	49	44	-3	5	0	4	52	42	0.24			
ITALY.																			
Hurst Castle ...	29.75	47	WNW	7	c	29.84	+3.3	48	44	0	6	0	5	53	40	0.05			
Dungeness ...	29.64	43	WNW	6	c	29.80	+4.1	47	43	-3	4	0	3	56	37	0.12			
London ...	29.62	44	W	2	b	29.78	+4.5	48	43	+4	2	0	3	52	37	0.05			
Oxford ...	29.68	42	W	3	b	29.76	+4.1	46	42	0	5	0	3	51	36	0.07			
Cambridge ...	29.54	48	W	3	b	29.72	+5.2	46	42	0	3	0	3	52	35	0.02			
SPAIN.																			
Yarmouth ...	29.48	45	W	5	c	29.69	+5.3	47	43	-2	5	0	4	55	35	0.05			
Cuxhaven ...	29.49	47	SW	5	r	29.67	+0.4	46	44	-6	3	0	3	57	43	0.50			
Berlin ...	29.65	59	SE	1	0	29.74	-1.4	48	46	-6	3	0	3	64	48	0.12			
Wiesbaden ...	*	*	*	*	*	29.86	-0.2	44	41	-7	2	0	3	55	37	0.28			
Munich ...	29.78	54	NW	1	0	29.93	-0.8	47	37	-13	5	0	3	63	36	0.39			
FRANCE & NETHERLANDS.																			
The Helder ...	29.44	45	S	5	0	29.68	+3.8	46	42	-4	3	0	3	52	41	0.12			
Brussels ...	*	*	*	*	*	29.81	+3.0	46	42	-3	3	0	3	55	39	0.04			
Cape Gris Nez...	29.62	46	WNW	8	c	29.80	+4.1	43	44	-7	7	0	5	52	41	-			
Paris ...	29.80	50	WNW	7	b	29.94	+2.1	44	41	-6	1	0	3	61	37	0.16			
Brest ...	30.01	51	NW	7	0	30.02	+2.0	47	41	-3	5	0	5	59	41	-			
Lorient ...	30.01	51	NW	8	b	30.04	+2.2	47	41	-5	5	0	5	54	45	-			
Rochefort ...	30.05	54	WNW	8	b	30.10	+1.1	50	47	-5	5	0	2	59	41	0.35			
Belfort ...	29.76	51	W	1	r	29.93	-0.1	45	42	-8	3	0	3	59	40	0.32			
Lyons ...	29.86	54	SEW	4	b	30.04	+0.3	44	40	-6	1	0	3	59	36	0.20			
Nice ...	29.85	58	SE	0	c	29.69	-2.8	53	47	-1	1	0	4	64	48	-			
PORTUGAL.																			
Porpignan ...	29.99	60	SE	0	r	30.06	-0.4	52	47	-9	3	0	3	72	50	0.04			
Biarritz ...	30.12	57	WNW	8	0	30.13	0.0	51	48	-6	7	0	3	61	50	0.20			
AFRICA.																			
Corunna ...	*	*	*	*	*	30.38	+1.3	56	55	-2	4	0	3	61	50	0.16			
Lisbon ...	30.21	59	N	7	b	30.18	-0.6	56	51	-2	7	0	2	66	55	-			

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Saturday, 21st May 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

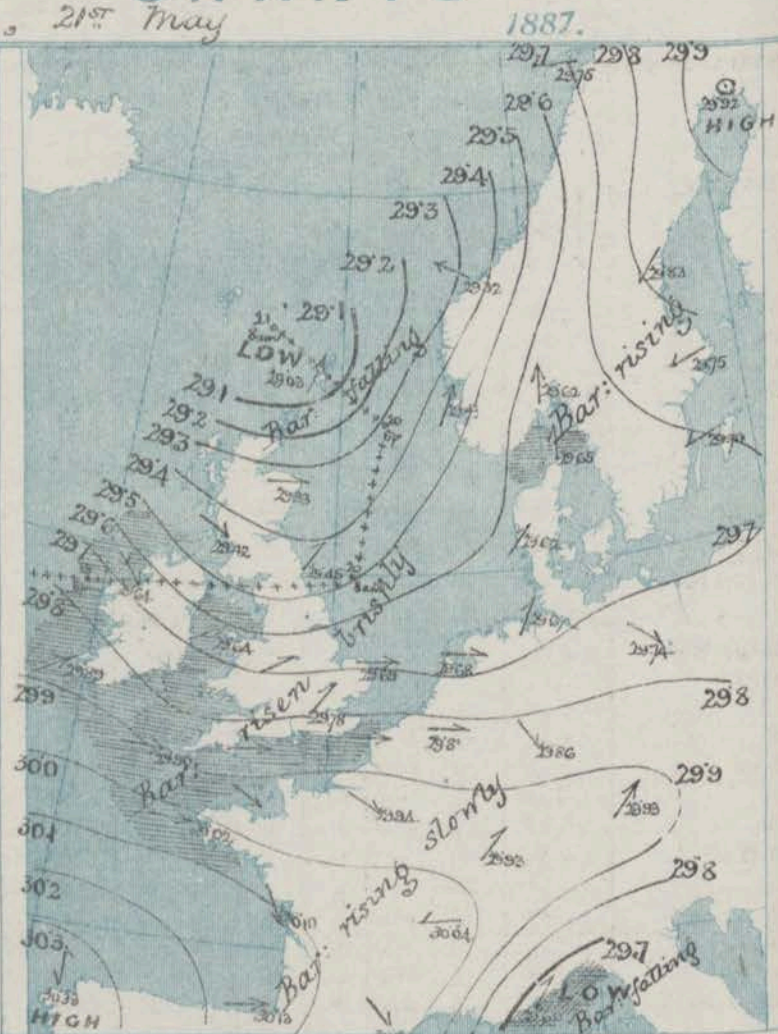
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 — = forces above 10, — = forces 8 to 10,
 — = forces 5 to 7, — = forces 1 to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

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.896
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	29.980
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.998
Cambridge	29.995
Yarmouth	29.984



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

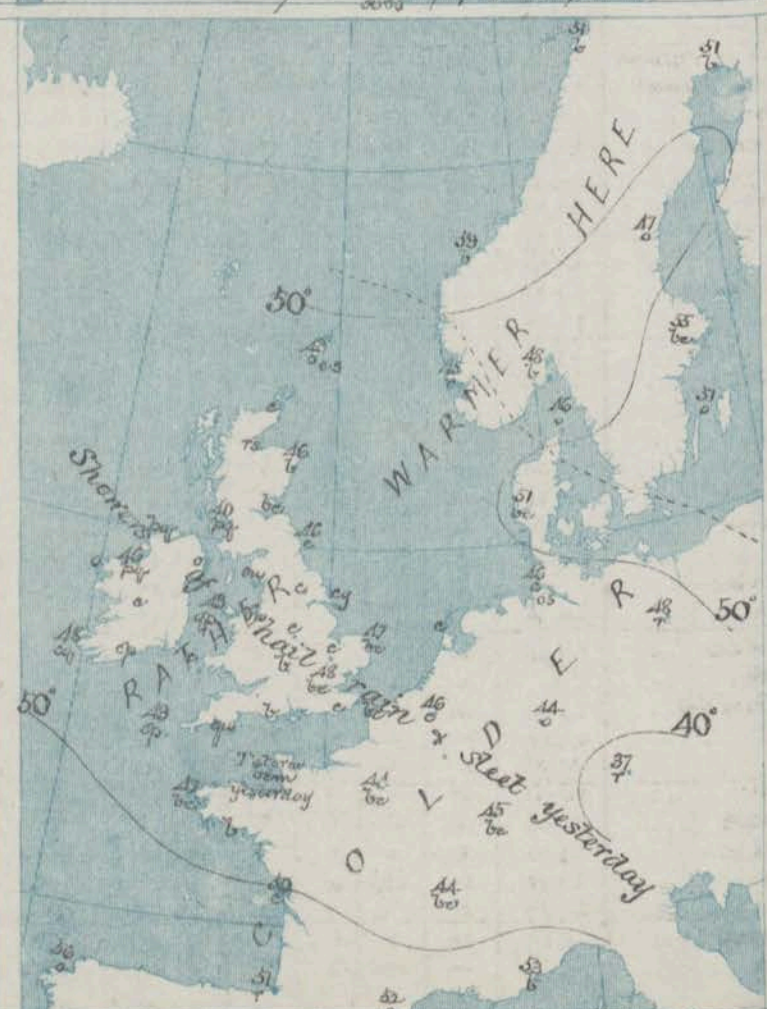
Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.
Weather is shown by Letters of the Beaufort Scale.
Rainfall A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May

STATIONS	TEMPERATURE.				RAINFALL (Inches).
	Daily Max.	Daily Min.	At 8 a.m.	At 8 a.m.	
			Dry.	Wet.	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.64
Wick	53.5	40.4	47.7	45.1	1.82
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	58.6	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	46.3	51.7	48.6	3.05
Pembroke	55.6	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.6	50.1	1.66
Hurst Castle	58.0	46.2	51.2	49.9	1.70
Dover	56.3	46.4	52.5	49.9	1.77
LONDON	61.5	48.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.9	41.8	50.7	47.6	1.76
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in: and upwards, over Spain and the Bay of Biscay.
Lowest, 29.1 in: and less, in a depression the centre of which is lying a little to the NW^W of the Shetlands.
Another depression with readings below 29.7 in: over the Gulf of Genoa.

TEMPERATURE

Highest, 59° at Christiansund, 56° at Lisbon, 55° at Stockholm, 53° at Nice, and 51° at Bordeaux and Haparanda.
Lowest, 37° at Munich, 40° at Andersons, 41° at Mairi, and 43° at several of our northern and northwestern stations.

WIND

Moderate from W. over Scotland, and from SW. in the east of England.
Strong from NW. or W. over our western coasts and the English Channel.
Strong from S. or SE. over Norway, light from E. in Sweden.

WEATHER

Fine in France, the Netherlands, and the eastern parts of Great Britain.
Cloudy elsewhere, with rain in Germany, and passing showers at several of our western stations.

SEA

[During yesterday severe squalls of rain, hail or sleet passed over the United Kingdom, and a thunderstorm was experienced at Jersey.]
Rough on our west and south coasts generally, and rather rough in the extreme north, but moderate or slight in the east.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The deep depression which lay yesterday morning off the northeast coast of England subsequently moved northwards over the North Sea, and is now travelling away in a northwesterly direction to the northward of Scotland. The barometer has consequently risen briskly at all our eastern and southern stations, but in the north and northwest it is falling again slowly.

The depression in the north will probably continue to move northwards, but shallow disturbances are likely to advance over our islands from the W^W, and a continuance of strong winds with showery weather may therefore be expected in the west and north.

FORECASTS

for the 24 hours ending at NOON on 22nd May. 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W ^W winds, strong; squally, some showers.	6 SCOTLAND WEST	Same as N°0
1 SCOTLAND EAST	SW ^W and W ^W winds, moderate; fair generally but some showers.	7 ENGLAND N. W.	Same as N°0
2 ENGLAND N. E.	----- D° ----- D° ----- D° -----	8 ENGLAND S. W.	Same as N°0
3 ENGLAND EAST	----- D° ----- D° ----- D° -----	9 IRELAND NORTH	NW ^W to W ^W winds, strong; squally, some showers.
4 MIDLAND COUNTIES	----- D° ----- D° ----- D° -----	10 IRELAND SOUTH	W ^W winds, fresh or strong; unsettled, some showers.
5 ENGLAND SOUTH	W ^W winds, fresh; squally, some showers with bright intervals.	WARNINGS	

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.15	49	48	SE 8	r	5	Holyhead ...	29.56	45	42	WNW 9	c r q	8
Sumburgh Head ...	29.24	47	43	NE 1	o	2	Valencia ...	29.94	50	46	NW 5	c q r p	5
Stornoway ...	29.25	46	42	NW 7	c	2	Scilly ...	29.88	50	44	NW 8	c	6
Aberdeen ...	29.18	47	42	N 7	c q	5	Dungeness ...	29.54	56	47	WNW 6	c p	5
Shields ...	29.23	45	41	NW 6	o r	5	London ...	29.53	52	44	N 5	c q	*
Ardrossan ...	29.40	47	42	NW 6	o	5	Yarmouth ...	29.36	43	42	N 7	r q	4
Malin Head ...	29.53	46	41	NW 4	o	6	Jersey ...	29.80	52	44	WNW 7	b c	6
Mullaghmore ...	29.68	47	42	NW 9	c p r h	6	Rocheport ...	29.99	57	54	WNW 8	o	3
Belmullet ...	29.80	47	41	N 8	c p	*							

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

The reports for yesterday morning showed that pressure exceeded 30 ins. both over the Spanish Peninsula and Central Russia, whilst a large and deep depression, in which the minimum readings were rather below 29 ins. lay over Yorkshire, Durham, and the neighbouring parts of the North Sea. Severe NW gales, heavy squalls and cold showers prevailed on our western coasts, strong N winds in Scotland, W gales and strong winds, with hail showers over the Channel, Bay of Biscay and France, and S gales and rain on the eastern shore of the North Sea. Over Central Europe the weather was much quieter, but owing to there being a shallow depression over Hungary, and Northern Russia the weather even there was rather showery. Temperature was very low for the time of year. The readings varied from about 68° over the southern and southern parts of the Mediterranean to a little above 40° over Northern and Northwestern Europe, those over the British Isles being considerably below 50°, and those over the greater part of France and Spain not much higher. The highest individual values were 70° at Constantinople, 68° at Biskra (Algiers) and Malta, 66° at Palma and Nicolaioff, 64° at Brindisi, Trieste, and Moscow, 62° at San Fernando and Barcelona, 60° at Livourne and Naples; the lowest were 40° at Aberdeen, Leith, Rangoon in Siam, and Belmullet, 41° at Kairi, Ardrossan and Malin Head, 42° at Rannastown, 44° in London, 50° at Paris, and 54° at Berlin.

Later in the day heavy showers of soft hail ("graupel") and cold rain fell over England, thunderstorms occurred in some places, but the wind lulled slowly and the sky subsequently cleared, as the depression over our northwestern counties travelled northwards over the North Sea.

NOTICE. The Meteorological Office has for disposal a few copies of the Daily Synoptic Charts of the North Atlantic and adjacent shores for 1884, and some previous years - issued by the Deutsche Seewarte at Hamburg and the Royal Meteorological Institute at Copenhagen, price 45s. each year.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Sunday 22nd May 1887.

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

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STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dirac.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	29.86	58	S	2	r	29.89	-.03	66	64	+ 15	Z	0	b	*	68	37	0.08	
Hernösand ...	29.82	48	E	2	o	29.74	-.09	55	52	+ 8	NE	2	c	*	63	36	—	
Stockholm ...	29.67	53	ENE	4	f	29.52	-.23	59	57	+ 4	E	4	c	*	59	43	0.04	
Wisby ...	29.80	46	NNE	2	f	29.45	-.25	57	54	+ 6	SE	4	o	*	57	43	0.12	
Bodö ...	29.81	57	E	2	b	29.85	+ .10	57	50	+ 6	ENE	4	b	2	61	48	—	
Christiansund...	29.75	48	NE	2	b	29.70	+ .38	46	45	- 13	WNW	1	f	2	61	41	—	
Skudesnaes ...	29.70	46	S	6	bc	29.66	+ .23	46	42	+ 1	NW	6	o	4	?	45	—	
Christiania Fjord (Farder)	29.72	49	WNW	2	o	29.46	- .16	47	45	- 1	WNW	4	r	3	52	45	0.32	
Skagen (The Scaw)	29.68	48	Z	0	o	29.50	- .15	46	45	0	NNW	3	o	2	54	45	0.04	
Faro ...	29.72	42	W	1	b	29.64	+ .02	51	46	0	WNW	4	bc	*	54	37	—	
BRITISH ISLANDS.																		
Sumburgh Head	29.44	43	SSE	6	c	29.70	+ .67	47	43	+ 4	Z	0	b	2	48	37	—	
Stornoway ...	29.58	43	N	6	c	29.78	+ .51	47	40	+ 4	N	3	c	3	48	37	0.13	
Wick ...	29.42	41	E	2	bc	29.71	+ .51	47	45	+ 4	NW	2	c	1	47	38	0.48	
Nairn ...	29.47	42	WNW	5	r	29.74	+ .44	43	43	+ 2	WNW	2	o	3	43	36	0.27	
Aberdeen...	29.48	37	SSW	5	r	29.68	+ .35	45	43	- 1	NNW	5	cp	2	51	36	0.68	
Leith ...	29.50	46	WNW	1	o	29.72	+ .33	51	46	+ 6	W	2	bc	*	54	39	0.06	
Shields ...	29.49	48	SW	3	c	29.70	+ .25	43	40	- 1	W	3	c	2	52	39	0.02	
Spurn Head ...	29.57	48	WSW	3	bc	29.73	+ .14	45	43	0	NNW	4	cg	3	49	39	—	
York ...	29.57	49	W	4	b	29.76	+ .20	46	40	+ 1	WSW	2	b	*	52	38	0.09	
Loughborough	29.62	49	WNW	3	bc	29.79	+ .13	45	42	- 2	NW	3	o	*	51	39	0.07	
Ardrossan ...	29.60	46	NW	4	o	29.80	+ .38	47	42	+ 7	NW	5	bc	3	48	37	0.02	
Malin Head ...	29.67	43	NW	4	o	29.87	+ .37	44	42	+ 1	NW	3	cp	3	48	41	0.07	
Mullaghmore ...	29.81	48	WNW	6	bc	29.94	+ .30	48	44	+ 2	NW	5	c	4	51	41	0.03	
Beltmullet ...	29.87	47	NNW	4	c	29.99	+ .26	47	42	+ 1	NW	3	o	*	51	41	0.04	
Donaghadee ...	29.68	45	NNW	6	bc	29.86	+ .32	45	42	0	N	4	c	2	52	38	0.10	
Barrow-in-Furness	29.58	47	NW	6	bc	29.78	+ .25	46	42	+ 1	NW	5	bc	*	48	41	0.15	
Liverpool (Bidston)	29.63	44	WNW	6	c	29.82	+ .23	45	41	+ 2	WNW	5	bc	4	48	39	0.11	
Holyhead ...	29.69	47	NW	3	b	29.87	+ .23	49	46	+ 6	WNW	6	bcg	5	50	41	0.03	
Parsonstown ...	29.83	50	WNW	2	c	29.95	+ .21	49	45	+ 5	WNW	1	bc	*	53	40	—	
Valencia ...	29.96	49	NNW	4	bc	30.06	+ .17	50	47	+ 2	NW	2	o	3	53	42	0.50	
Roche's Point...	29.85	52	NW	5	b	30.00	+ .20	47	43	+ 1	NW	4	c	3	52	41	0.03	
Pembroke ...	29.77	49	NW	4	bc	29.93	+ .18	46	44	+ 1	NW	4	bc	5	49	41	0.03	
Scilly ...	29.86	50	NW	7	bc	30.00	+ .10	50	46	+ 1	NNW	5	c	6	52	41	0.09	
Prawle Point ...	29.77	48	WNW	3	bc	29.94	+ .12	51	47	+ 3	NW	3	bc	3	52	43	0.14	
Jersey ...	29.78	49	WNW	5	bc	29.93	+ .00	51	45	+ 2	NW	4	bcptv	4	52	44	0.06	
Hurst Castle ...	29.69	49	NW	5	bc	29.89	+ .03	49	47	+ 1	NW	4	c	5	51	37	0.23	
Dungeness ...	29.64	46	WSW	5	c	29.74	- .06	46	43	- 1	WNW	4	c	3	53	43	—	
London ...	29.67	49	W	3	c	29.80	+ .02	44	42	- 4	NW	3	o	*	54	37	0.22	
Oxford ...	29.70	42	W	2	b	29.83	+ .07	43	41	- 3	NW	4	o	*	50	38	0.12	
Cambridge ...	29.65	41	W	1	bc	29.78	+ .06	46	44	0	N	1	o	*	52	35	0.14	
Yarmouth ...	29.64	43	WSW	2	c	29.72	+ .03	47	44	0	NW	3	c	3	52	35	0.18	
Cuxhaven ...	29.72	47	WNW	2	b	29.70	+ .03	48	46	+ 2	WNW	2	c	*	50	46	—	
Berlin ...	29.70	50	NW	3	o	29.65	- .09	46	44	- 2	WNW	3	o	*	57	45	0.08	
Wiesbaden ...	*	*	*	*	*	29.76	- .10	44	41	0	SW	1	b	*	52	34	0.08	
Munich ...	29.82	38	SW	2	o	29.80	- .13	42	38	+ 5	SW	4	c	*	43	32	0.04	
FRANCE & NETHERLANDS.																		
The Helder ...	29.70	46	SW	1	b	29.70	+ .02	46	44	0	SSW	1	bc	1	54	37	—	
Brussels ...	*	*	*	*	*	29.74	- .07	44	42	- 2	WSW	3	o	*	52	39	0.08	
Cape Gris Nez...	29.68	46	SW	8	r	29.77	- .03	44	42	+ 1	NW	5	o	4	52	41	0.08	
Paris ...	29.80	48	SSE	3	bc	29.82	- .12	42	40	- 2	WNW	3	c	*	53	37	0.24	
Brest ...	29.86	47	WNW	7	o	30.03	+ .01	47	44	0	NW	4	o	4	61	41	0.16	
Lorient ...	29.88	50	WNW	8	bc	30.02	- .02	48	45	+ 1	NW	5	c	5	52	45	0.04	
Rocheport ...	30.08	55	NW	5	b	30.06	- .04	50	46	0	NNW	5	b	2	57	43	0.08	
Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lyons ...	29.94	44	SSE	1	bc	29.90	- .14	44	39	0	W	5	bc	*	54	?	0.24	
Nice ...	29.72	60	WNW	5	b	29.76	+ .07	53	42	0	W	3	b	3	64	45	—	
Perpignan ...	29.95	60	NW	8	o	30.02	- .04	51	46	- 1	NW	4	o	*	67	50	—	
Biarritz ...	30.11	55	W	7	c	30.09	- .04	53	49	+ 2	W	4	r	3	57	50	0.08	
Corunna ...	*	*	*	*	*	30.34	- .04	57	56	+ 1	N	4	r	3	63	52	0.08	
Lisbon ...	30.08	56	N	8	b	30.11	- .07	57	51	+ 1	NNE	5	b	3	64	54	—	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Sunday 22nd May 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

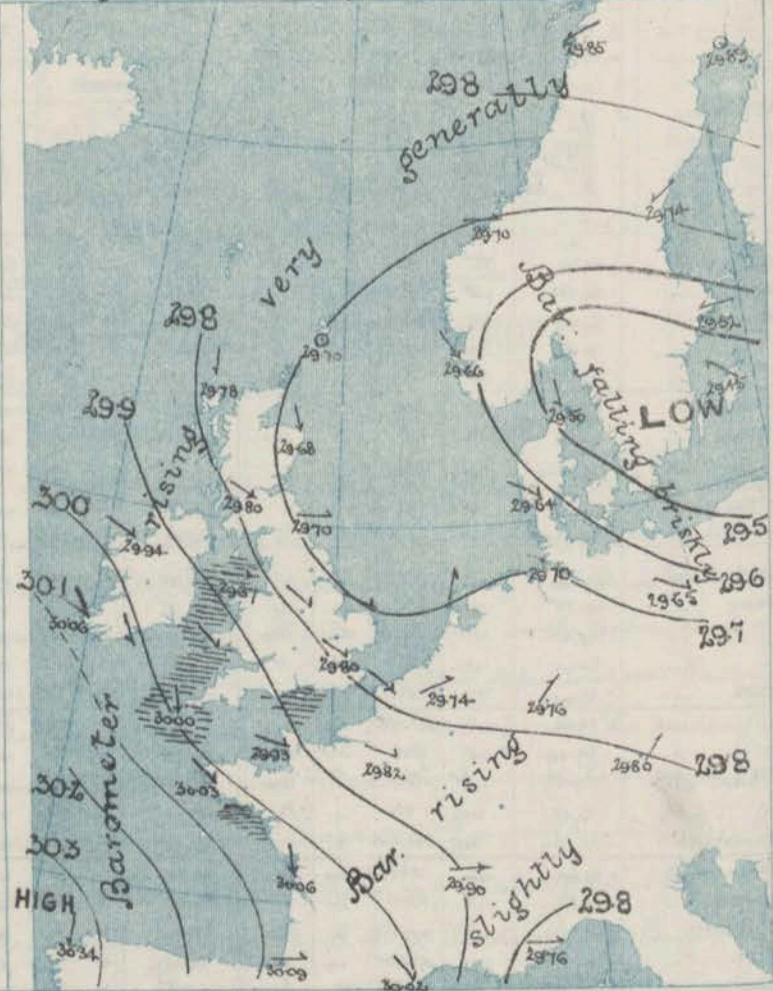
Sea Disturbance — where considerable is shown thus

— Rough. — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.896
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	29.989
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



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

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

Weather — is shown by Letters of the Beaufort Scale.

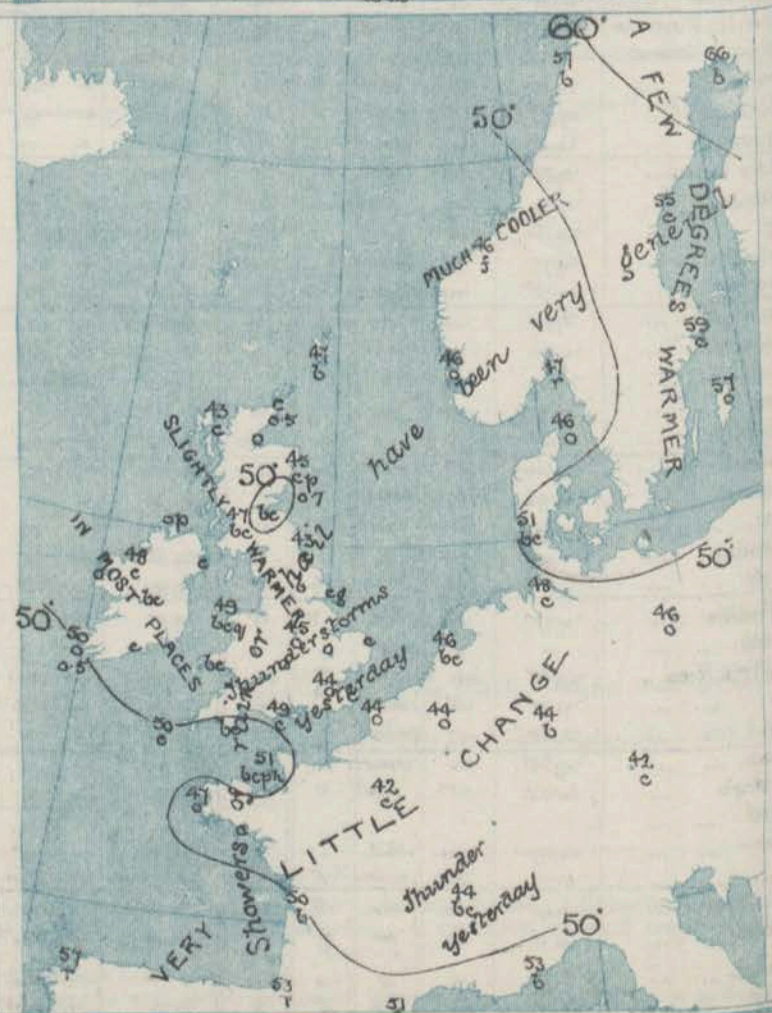
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May

STATIONS.	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m. Dry.	At 8 a.m. Wet.	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.64
Wick	53.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.65
Shields	58.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	56.6	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	46.3	51.7	48.6	3.05
Pembroke	55.6	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.6	50.1	1.66
Hurst Castle	58.0	45.2	51.2	49.9	1.70
Dover	58.3	46.4	52.5	49.0	1.77
LONDON	61.5	48.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.9	41.8	50.7	47.6	1.76
Yarmouth	65.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins: and upwards, in an anticyclone lying off the northwest of Spain.
Lowest, 29.5 ins: and less, in a shallow depression lying over the Baltic and south of Sweden.

TEMPERATURE

Highest, 66° at Haparanda, 59° at Stockholm, and 57° at Bodø, Niseby, Gornnau and Liebow.
Lowest, 42° at Paris and Brunswick, 43° at Kain and Oxford, and 44° at Mainz. 11° Brussels, Wiesbaden and Lyons.

WIND

NW² over the British Isles, France, and the North Sea; fresh in force at exposed stations.
SW¹ over the Netherlands and South Germany, E¹ in Sweden and the north of Norway.

WEATHER

Fair on the whole, but showers reported locally, and fog at Christiansund.
[Showers of hail fell yesterday in nearly all parts of the United Kingdom, and thunderstorms occurred over Central England, as well as at Lyons.]

SEA

Rough at Scilly, and rather rough at Holyhead, Pembroke, and Dorset, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed off the north of Scotland yesterday has travelled away from our area, but a new though much shallower disturbance has appeared over the Baltic. Conditions are therefore still somewhat unsettled.

FORECASTS

for the 24 hours ending at NOON on 23rd May, 1887.

DISTRICTS.

- 0 { SCOTLAND
- 1 { NORTH
- 2 { SCOTLAND
- 3 { EAST
- 4 { ENGLAND
- 5 { N.E.
- 6 { ENGLAND
- 7 { EAST
- 8 { MIDLAND
- 9 { COUNTIES
- 10 { ENGLAND
- 11 { SOUTH

FORECASTS.

NONE ISSUED

DISTRICTS.

- 0 { SCOTLAND
- 1 { WEST
- 2 { ENGLAND
- 3 { N.W.
- 4 { ENGLAND
- 5 { S.W.
- 6 { IRELAND
- 7 { NORTH
- 8 { IRELAND
- 9 { SOUTH

WARNINGS

FORECASTS.

NONE ISSUED

NONE ISSUED

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.63	49	42	SSE 7	bv	5	Holyhead ...	29.64	46	44	WNW 6	cp	5
Sumburgh Head ...	29.50	44	41	S 6	c	6	Valencia ...	29.93	51	48	NNW 5	bcpq	5
Stornoway ...	29.49	44	40	N 8	r	6	Scilly ...	29.83	51	46	NW 7	og	6
Aberdeen ...	29.40	46	42	W 4	r	1	Dungeness ...	29.69	51	45	W 6	bv	4
Shields ...	29.46	50	43	WSW 3	cp	2	London ...	29.67	47	44	WNW 5	c	*
Ardrossan ...	29.53	45	42	WNW 4	r	3	Yarmouth ...	29.65	45	43	WNW 5	cpq	4
Malin Head ...	29.62	47	43	NW 4	bv	5	Jersey ...	29.78	50	47	WSW 6	cpq	5
Mullaghmore ...	29.75	50	44	NW 6	bv	5	Rocheport ...	30.08	55	50	NW 5	b	2
Belmullet ...	29.83	51	43	NNW 6	c	*							

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

The Continental reports for yesterday morning showed that pressure was highest, 30.3 in: and upwards, in an anticyclone which was lying over the northwest of Spain, but relatively high 30.1 in: and upwards over Central and Northern Russia. The deep depression noticed off the north-east of England on Friday was passing away to the northward of our Islands, and the lowest reading, 29.1 in: and less, were therefore found in the eastern north, but a shallow depression, with reading below 29.5 in: and less, was lying over Galicia. Strong winds or gales from the Wnd were reported over the greater part of the United Kingdom, and strong winds in the west of France, but over the Netherlands and the eastern shore of the North Sea the wind was SW^{ly}, while over Northern Europe it was chiefly E^{ly}. Over Central and Southern Europe variable breezes were general. Fine weather prevailed in Russia, Spain, and Algeria, but elsewhere the sky was somewhat cloudy, with showers in many places. Temperature had fallen a little in our Islands, and somewhat more decidedly in France and Germany, but elsewhere the changes were rather irregular; readings ranged from 65° and upwards in Algeria, South Italy, and Central and Southern Russia to 43° or less over the northern parts of the British Isles, as well as at some of the French and German stations. The highest individual readings were 72° at La Calle, 71° at Algiers, 69° at Lfax and Thiebra, 68° at Laghouat, and 66° at Cagliari and Riga.

In the course of the day a small depression (apparently subsidiary to the large disturbance off our northern coast) appeared over Scotland, and showery weather therefore continued over the greater part of the United Kingdom. At Cambridge during one of the heavy hail showers which fell in the afternoon the thermometer suddenly sank to 37°.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Monday 23rd May 1887.

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

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.																			
STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.		
SCANDINAVIA.																			
Haparanda ..	29.85	65	NE	2	bc	29.87	- .02	66	65	0	E	2	c	*		81	1.8	-	
Hernösand ...	29.71	53	SE	0	T	29.77	+ .06	49	48	- 6	ESE	2	f	*		68	4.1	0.12	
Stockholm ...	29.58	52	SE	2	o	29.78	+ .26	53	51	- 6	SE	2	c	*		66	4.8	-	
Wisby ...	29.74	49	S	4	b	29.70	+ .25	48	44	- 4	S	6	bc	*		66	4.3	-	
Bodö ...	29.75	61	ESE	4	b	29.69	- .16	59	55	+ 2	ESE	4	o	2		64	5.4	-	
Christiansund...	29.65	48	W	2	c	29.67	- .03	48	47	+ 2	WNW	1	o	2		50	4.3	0.12	
Skudesnaes ...	29.63	46	NW	5	o	29.66	.00	46	45	0	NW	8	o	4		48	4.6	-	
Christiania Fjord (Fjorder)	29.48	50	S	2	T	29.58	+ .12	50	49	+ 3	NNE	2	o	2		72	4.6	-	
Skagen (The Scaw)	29.47	46	WNW	1	b	29.49	- .01	47	46	+ 1	ESE	2	o	1		54	4.3	0.08	
Fanö ...	29.95	45	WNW	5	c	29.55	- .09	44	43	- 7	W	6	T	*		52	4.3	0.28	
BRITISH ISLANDS.																			
Sumburgh Head	29.78	48	NW	1	b	29.86	+ .16	45	41	- 2	NW	1	b	2		52	4.0	-	
Stornoway ...	29.88	49	NW	1	b	29.92	+ .14	50	48	+ 7	WNW	1	bc	2		51	4.2	0.01	
Wick ...	29.83	48	NW	2	bc	29.92	+ .21	46	44	- 1	N	1	o	0		53	3.3	-	
Nairn ...	29.87	47	WNW	1	o	29.95	+ .21	47	46	+ 4	WNW	2	c	2		50	3.5	0.07	
Aberdeen...	29.88	52	WNW	4	b	29.96	+ .28	48	44	+ 3	NW	4	bc	2		54	3.9	-	
Leith ...	29.87	53	SE	1	c	29.99	+ .27	49	44	- 2	NW	1	bm	*		56	3.9	0.01	
Shields ...	29.79	47	N	4	cpt	29.98	+ .28	48	45	+ 5	W	2	bc	2		50	3.7	0.07	
Spurn Head ...	29.79	46	WNW	1	bc	29.99	+ .26	47	45	+ 2	N	4	bc	2		50	4.3	0.06	
York ...	29.85	45	NW	3	T	30.02	+ .26	48	44	+ 2	NW	1	b	*		53	4.5	0.04	
Loughborough	29.86	48	WNW	4	o	30.03	+ .24	51	46	+ 6	NW	2	c	*		54	3.7	-	
Ardrossan ...	29.88	48	WNW	3	c	30.03	+ .23	48	46	+ 1	W	2	o	1		52	4.1	-	
Malin Head ...	29.95	43	N	1	o2	30.08	+ .21	49	48	+ 5	WNW	3	om	3		49	4.2	0.10	
Mullaghmore ...	29.96	47	WNW	2	T	30.13	+ .19	51	50	+ 3	WNW	3	om	2		51	4.5	0.11	
Belmullet ...	29.98	51	WNW	4	T	30.17	+ .18	52	52	+ 5	WNW	3	o	*		52	4.6	0.04	
Donaghadee ...	29.96	46	N	4	o	30.08	+ .22	48	47	+ 3	W	3	o	1		51	4.1	0.03	
Barrow-in-Furness	29.86	49	NW	4	bc	30.01	+ .23	46	44	0	NW	4	bc	*		52	4.1	-	
Liverpool (Bidston)	29.90	43	WNW	5	c	30.06	+ .24	48	45	+ 3	WNW	2	bc	3		51	4.3	0.03	
Holyhead ...	29.95	48	WNW	1	o	30.08	+ .21	47	46	- 2	NW	1	o	2		52	4.5	0.02	
Parsonstown ...	30.01	51	WNW	1	o	30.12	+ .17	53	50	+ 4	NW	1	c	*		53	4.5	0.07	
Valencia ...	30.11	53	WNW	3	om	30.25	+ .19	53	52	+ 3	WNW	2	om	3		54	4.9	0.05	
Roche's Point...	30.06	53	NW	4	c	30.14	+ .14	55	52	+ 3	WNW	5	bc	4		55	4.6	0.01	
Pembroke ...	29.99	48	W	4	o	30.11	+ .18	47	47	+ 1	WNW	1	om	3		50	4.5	-	
Seilly ...	30.07	52	WNW	5	c	30.13	+ .13	58	52	+ 3	NW	6	c	5		53	4.8	-	
Prawle Point ...	30.02	49	WNW	4	o	30.11	+ .17	50	48	- 1	WNW	2	o	1		58	4.3	0.01	
Jersey ...	30.02	52	WNW	4	b	30.06	+ .13	50	47	- 1	N	3	cpm	3		54	4.6	0.02	
Hurst Castle ...	29.92	50	WNW	4	bc	30.07	+ .20	52	49	+ 3	WNW	2	c	3		55	3.9	0.03	
Dungeness ...	29.86	46	SW	1	p	29.98	+ .24	47	44	+ 1	WNW	3	c	2		51	3.5	0.17	
London ...	29.86	51	NW	3	c	30.03	+ .28	48	43	+ 4	N	2	ogw	*		54	3.7	0.01	
Oxford ...	29.92	47	NW	3	c	30.06	+ .23	48	43	+ 5	NW	3	b	*		53	3.8	0.01	
Cambridge ...	29.84	49	N	1	o	30.03	+ .25	47	45	+ 1	N	1	o	*		55	3.6	0.24	
Yarmouth ...	29.81	48	NNE	2	bc	29.94	+ .22	47	45	0	N	4	c	4		48	3.7	0.09	
Cuxhaven ...	29.75	46	WNW	2	b	29.73	+ .03	47	46	- 1	W	4	T	*		52	4.5	-	
Berlin ...	29.75	46	SW	2	c	29.88	+ .23	50	46	+ 4	SW	3	b	*		54	4.3	0.04	
Wiesbaden ...	*	*	*	*	*	29.91	+ .15	48	45	+ 4	W	2	c	*		55	3.7	-	
Munich ...	29.81	47	W	5	c	29.95	+ .15	41	38	- 1	W	5	o	*		50	3.4	0.12	
GERMANY.																			
The Helder ...	29.80	47	WNW	1	b	29.88	+ .18	47	44	+ 1	W	1	c	2		50	4.5	-	
Brussels ...	*	*	*	*	*	29.96	+ .22	47	44	+ 3	W	1	o	*		52	4.1	0.08	
Cape Gris Nez...	29.88	45	NW	3	T	29.95	+ .18	45	43	+ 1	NW	5	o	4		50	4.3	0.12	
Paris ...	29.90	45	W	3	o	30.01	+ .19	43	42	+ 1	WNW	3	bc	*		54	3.9	0.35	
Brest ...	30.12	50	WNW	5	c	30.12	+ .09	50	49	+ 3	N	3	T	3		59	4.1	-	
Lorient ...	30.07	52	WNW	5	b	30.10	+ .08	51	50	+ 3	WNW	4	c	4		54	4.6	0.04	
Rochefort ...	30.11	55	NW	7	c	30.17	+ .11	51	48	+ 1	NW	7	o	2		59	4.5	-	
Belfort ...	29.85	40	SW	1	T	29.96		40	?		S	1	T	*		45	3.4	0.35	
Lyons ...	29.98	49	N	1	T	30.04	+ .14	40	39	- 4	SW	1	T	*		52	3.8	0.16	
Nice ...	29.84	56	W	4	b	29.81	+ .05	53	42	- 9	E	3	c	2		64	4.5	-	
Perpignan ...	29.98	55	NW	6	b	30.10	+ .08	55	47	+ 4	NW	4	o	*		63	4.8	-	
Biarritz ...	30.16	55	NW	7	o	30.21	+ .12	55	49	+ 2	WNW	7	o	2		57	5.0	0.04	
Corunna ...	*	*	*	*	*	30.42	+ .08	60	50	+ 3	NE	5	bc	4		64	5.2	-	
Lisbon ...	30.04	60	WNW	8	b	30.07	- .04	63	53	+ 6	NNE	7	b	2		68	5.5	-	

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

WEATHER CHARTS

for 8 a.m. on Monday, 23rd May, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

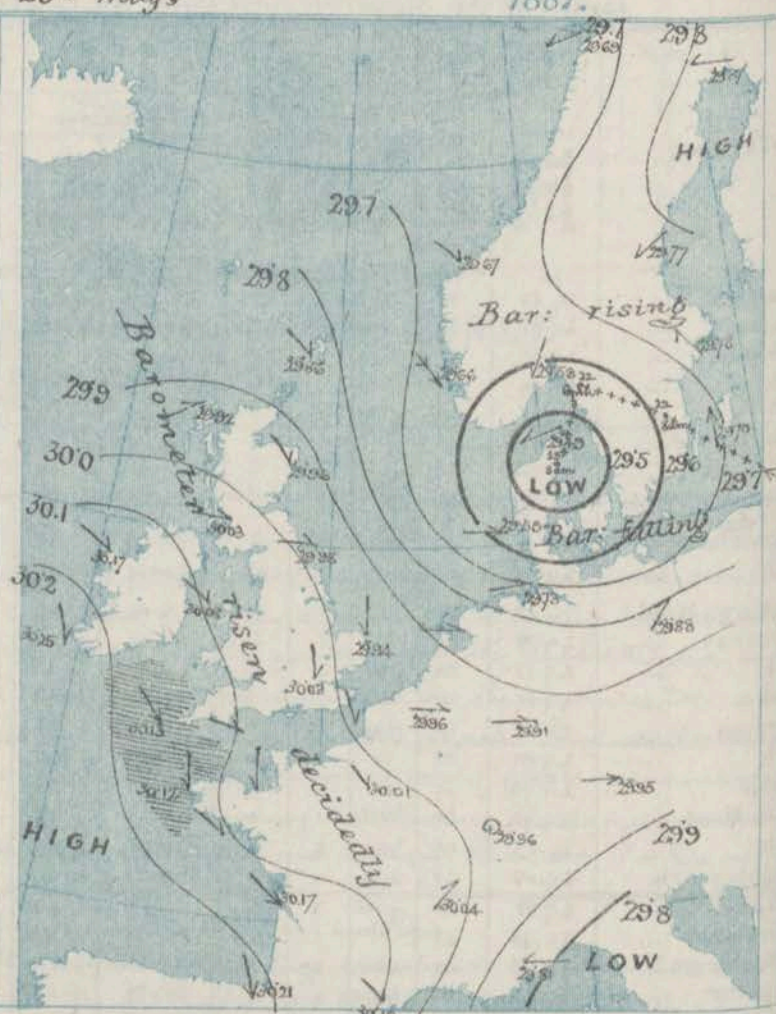
Sea Disturbance — where considerable is shown thus

▨ = Rough. ▨ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.896
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrassan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	29.989
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



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

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

Weather — is shown by letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May

STATIONS.	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.64
Wick	53.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.87
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrassan	56.6	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	46.3	51.7	48.6	3.05
Pembroke	55.6	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.6	50.1	1.66
Hurst Castle	58.0	45.2	51.2	49.9	1.70
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Cambridge	60.9	41.8	50.7	47.6	1.76
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.25 ins. at Valencia, 30.17 ins. at Belmullet and Rochfort, also 29.95 ins. at Munich and 29.87 ins. at Haparanda.
lowest, 29.48 ins. at the Scour, 29.55 ins. at San, and 29.87 ins. at the.
Gradients are favourable for NW winds over our islands and neighbourhood, slight over the United Kingdom, moderate over the North Sea.
Barometer rising except over Norway, Denmark, and Gulf of Genoa.

TEMPERATURE

Highest, 66° at Haparanda, 63° at Disbrow, 53° at Bodö, 55° in the southwest of France, 53° on our SW. coast and at Stockholm.
lowest, 44° at San, 45° at Lumburgh Head, 47° at several eastern stations and at Krasim.
It is slightly higher than it was yesterday, though frost occurred on the ground over England early this morning.
[The maxima over Finland and Sweden yesterday were very high.]

WIND

NW² over the British Isles and France, moderate in most places, but strong over the southern parts of the Bay of Biscay.
W to SW² moderate over Germany; S over the Baltic.
E² over Finland, Lapland and the north of Sweden.

WEATHER

Cloudy but fair in most places, at Jersey however, showers are reported, and rain in the SE of France and at Holstein.
Showers of cold rain and hail have fallen in many places, and in some localities (e.g. at Litchbourne) the fall was large.

SEA

Rather rough at Scilly, moderate or slight in the south, smooth in the northeast and east.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

- The anticyclone in the southwest appears to be spreading eastwards over the United Kingdom, as that finer and rather milder weather than we have recently experienced is likely to be felt during the next twenty-four hours. The depression over Denmark will probably fill up gradually.
- There are, however, some indications of the approach of a new small disturbance towards Scotland from the northward. This may bring cold showers again to the northern and eastern parts of the Kingdom shortly, but at present there is no definite indication as to the size or intensity of the disturbance.

FORECASTS

for the 24 hours ending at NOON on 24th May

1887.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

SW² to NW² winds, some rain, unsettled.
----- D^o ----- D^o ----- D^o -----
Wind backing to W. or SW.; fair and warmer at first then less settled.
----- D^o ----- D^o ----- D^o -----
----- D^o ----- D^o ----- D^o -----
N² to W² winds; finer and rather milder.

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

Same as N^o 0.
Varying NW² winds; fair to showery.
NW² breezes, moderate, fair.
Same as N^o 0.
Same as N^o 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.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesness ...	29.64	49	45	NW 7	0	4	Holyhead ...						
Sumburgh Head ...							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						*
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rocheport ...	30.11	55	50	NW 7	c	2
Belmullet ...													

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

The Continental reports for yesterday morning showed, that, while an anticyclone, with readings above 30.5 ins, was lying over the north-west of Spain, a shallow depression, in which the barometer was below 29.5 ins was reported over the Baltic. NW winds were consequently experienced over the greater part of Western Europe and at our north-western and the western French stations they blew strongly, but in the Netherlands and east of France the wind was SW, while over the Baltic provinces it was SE or E. Over Northern Europe light variable breezes were reported. The weather was fine in Algeria, Spain, but cloudy in most other countries, with local showers. Temperature had fallen a little in Germany and Central Russia, but elsewhere a tendency to rise was observed; readings ranged from 65° and upwards at the Algerian and Mediterranean stations as well as in many parts of Russia and Lapland to 45° or less in many parts of our islands and France, and to 40° or less in some of the eastern French departments. The highest individual readings were 73° at Sicca, 69° at Constantinople, 68° at Oran, Saphouat, Palermo and Helseborg, and 66° at Algiers, Brindisi, Cagliari, Malta and Haparanda; the lowest were 57° at Besancon, 41° at Nancy, and 42° at Paris and Munich.

In the course of the day the depression over the Baltic moved in a west-north-westerly direction to the south of Norway, while some shallow disturbances passed over our islands from the northward. The latter occasioned cold showers in many parts of the United Kingdom.

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

FROM THE 15TH TO THE 21ST MAY 1887

At the commencement of last week fair mild weather prevailed over the greater part of Western Europe. Towards the close of the period however, a gradual but very decided change took place, and on Friday and Saturday the conditions were exceedingly cold and inclement, with falls of sleet or soft hail in nearly all parts of the United Kingdom.

On the 15th and 16th an anticyclone extended from the westward over the whole of our islands and their immediate neighbourhood, while depression systems lay respectively over the north of Sweden and the south-east of France. Moderate W winds therefore prevailed on our northern coasts and NW winds in the south, with fair weather in most places.

On the night of the 16th and morning of the 17th, however, the high-pressure system dispersed, and an area of low pressure appeared off the north-west of Scotland, while another large shallow one was formed over Germany. The first of these passed eastwards across our northern coasts and occasioned rain over the greater part of the Kingdom, while in the centre of the second a well-defined depression appeared which subsequently moved north-westwards to Norway. NW winds and cool showery weather were at this time experienced over the greater part of the United Kingdom.

Some very decided changes now took place. On the afternoon of the 19th a brisk fall of the barometer set in over our western coasts, and in the course of the evening the centre of a very deep depression passed eastwards across Ireland and England, occasioning gales from SW moving to W or NW over the whole of these countries. In the north-west of England the NW gale was very severe. Heavy rain fell in most districts as the disturbance advanced, while in its rear sharp squalls of soft hail or sleet were experienced, with local thunderstorms.

On the night of the 20th the depression after moving northwards over the North Sea passed away to the north of Scotland where it apparently dispersed, but on the following afternoon a small subsidiary disturbance appeared over Scotland, and the weather in all districts remained showery.

During the latter part of the week temperature was considerably below the average for the time of year, and the hail storms noticed above were accompanied by sudden and decided fluctuations, the thermometer at Cambridge falling on Saturday afternoon to 37°.

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 May

1887.

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

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.																		
STATIONS.	+ YESTERDAY EVENING.						3 A.M. TO DAY.										PAST 24 HOURS.	
	Barometer at 3 rd P.M. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer. Reading at 3 rd P.M. and Sea Level.	Difference from 3 A.M. yesterday.	SHADE TEMP.		WIND.	Temp. in Shade.	Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)				Dry.	Wet.					Max.	Min.			
SCANDINAVIA.																		
Haparanda ..	29.93	49	S	4	0	30.19	+ 32	44	43	- 22	S	4	0	3	73	43	—	
Hernösand ...	29.97	43	S	6	0	30.17	+ 40	49	45	0	S	2	0	3	54	43	—	
Stockholm ...	30.06	46	S	2	0	30.11	+ 33	52	47	- 1	ENE	4	0	3	57	45	—	
Wisby ...	30.01	49	SSE	4	0	29.97	+ 27	51	47	+ 4	E	4	0	3	61	43	—	
Bodö ...	29.69	61	E	2	0	29.81	+ 12	47	44	- 12	SW	6	3	3	66	43	0.12	
Christiansund...	29.77	45	WNW	2	0	30.04	+ 37	45	43	- 3	W	3	0	3	7	41	0.67	
Skudesnaes ...	29.76	45	NW	8	0	30.05	+ 39	45	44	- 1	NW	6	0	4	7	45	—	
Christiania Fjord (Parker)	29.78	?	SE	6	0	30.02	+ 44	45	45	- 2	ENE	4	0	3	50	46	—	
Skagen (The Scaw)	29.67	46	SSE	5	0	29.92	+ 123	47	46	0	SSE	3	0	3	54	43	0.12	
Faßö ...	29.73	47	WNW	4	0	29.84	+ 29	50	47	+ 6	NW	4	0	3	52	43	0.24	
BRITISH ISLANDS.																		
Sumburgh Head	29.92	46	NW	1	0	30.09	+ 23	48	45	+ 3	SW	1	0	1	50	41	—	
Stornoway ...	30.01	53	W	1	0	30.17	+ 25	53	52	+ 3	SW	1	0	1	55	49	—	
Wick ...	30.02	49	NW	4	0	30.17	+ 25	50	49	+ 4	NW	1	0	0	51	39	0.03	
Nairn ...	30.05	53	WNW	1	0	30.16	+ 21	56	48	+ 9	WSW	1	0	2	58	45	—	
Aberdeen...	30.01	53	N	4	0	30.20	+ 24	48	46	0	NW	1	0	1	59	45	0.01	
Leith ...	30.03	63	W	1	0	30.20	+ 21	58	55	+ 9	W	1	0	3	65	48	—	
Shields ...	30.03	51	E	1	0	30.20	+ 22	50	47	+ 2	Z	0	0	2	53	47	—	
Spurn Head ...	30.06	49	NE	2	0	30.20	+ 21	51	47	+ 4	N	3	0	3	56	46	—	
York ...	30.04	58	NH	1	0	30.22	+ 20	50	49	+ 5	NNW	2	0	3	60	45	—	
Loughborough	30.09	54	W	3	0	30.22	+ 19	55	52	+ 4	WNW	2	0	3	59	47	—	
ARDROSSAN.																		
Ardrrossan ...	30.09	51	WNW	3	0	30.25	+ 22	51	50	+ 3	WNW	2	0	1	57	48	—	
Malin Head ...	30.15	51	WNW	3	0	30.30	+ 22	50	50	+ 1	WNW	2	0	2	52	49	0.02	
Mullaghmore ...	30.22	52	WNW	5	0	30.35	+ 22	52	52	+ 1	WSW	3	0	2	55	50	—	
Belmullet ...	30.26	53	WNW	2	0	30.36	+ 19	51	50	- 1	N	2	0	3	55	50	—	
Donaghadee ...	30.16	51	N	1	0	30.30	+ 22	54	53	+ 6	NW	2	0	0	55	47	0.01	
GERMANY.																		
Barrow-in-Farness	30.10	52	NW	4	0	30.21	+ 20	52	51	+ 6	NW	3	0	3	55	45	—	
Liverpool (Bidston)	30.13	51	W	5	0	30.28	+ 22	51	50	+ 3	WNW	4	0	3	53	48	—	
Holyhead ...	30.17	51	WNW	1	0	30.31	+ 23	51	50	+ 4	WNW	3	0	2	57	47	—	
Parsonstown ...	30.23	59	W	1	0	30.37	+ 25	54	53	+ 1	Z	0	0	3	62	51	—	
Valencia ...	30.34	55	NW	2	0	30.42	+ 17	53	52	0	N	1	0	1	60	50	—	
FRANCE & NETHERLANDS.																		
Roche's Point...	30.28	57	NNW	4	0	30.36	+ 22	56	51	+ 1	N	3	0	3	60	49	—	
Pembroke ...	30.21	51	WNW	3	0	30.32	+ 21	55	53	+ 8	NNE	4	0	2	55	47	—	
Scilly ...	30.25	55	NNW	4	0	30.32	+ 19	54	52	+ 1	N	5	0	4	56	50	—	
Prawle Point ...	30.19	55	NNW	3	0	30.27	+ 16	59	55	+ 9	NNW	2	0	1	60	50	—	
Jersey ...	30.21	52	WNW	3	0	30.25	+ 19	54	52	+ 4	NNW	3	0	3	56	49	—	
PENINSULA.																		
Hurst Castle ...	30.13	56	WNW	3	0	30.23	+ 16	53	52	+ 1	NW	1	0	2	57	49	0.01	
Dungeness ...	30.09	51	WNW	2	0	30.18	+ 20	47	47	0	Z	0	0	1	54	41	—	
London ...	30.05	56	NW	3	0	30.20	+ 17	52	50	+ 4	N	1	0	3	59	45	—	
Oxford ...	30.15	50	NW	2	0	30.23	+ 17	54	51	+ 6	N	3	0	3	58	46	—	
Cambridge ...	30.07	54	N	1	0	30.20	+ 17	55	51	+ 8	N	1	0	3	60	45	—	
Yarmouth ...	30.05	51	NNE	1	0	30.16	+ 22	51	48	+ 4	NW	3	0	4	53	42	0.01	
Cuxhaven ...	29.82	48	W	7	0	29.88	+ 15	45	45	- 2	WNW	5	0	3	?	41	0.38	
Berlin ...	30.01	53	SW	3	0	30.04	+ 13	49	45	- 1	WNW	2	0	3	59	41	—	
Wiesbaden ...	*	*	*	*	*	30.14	+ 23	45	43	- 3	Z	0	0	3	52	43	0.12	
Munich ...	30.06	42	SW	2	0	30.16	+ 21	44	42	+ 3	SW	4	0	3	52	36	—	
PENINSULA.																		
The Helder ...	30.01	48	NNW	4	0	30.07	+ 19	46	45	- 1	NNW	4	0	3	50	46	—	
Brussels ...	*	*	*	*	*	30.14	+ 18	49	44	+ 2	NW	4	0	3	52	44	—	
Cape Gris Nez...	30.10	50	W	4	0	30.18	+ 23	49	48	+ 4	NNW	4	0	3	55	?	—	
Paris ...	30.13	52	N	3	0	30.22	+ 21	42	41	- 1	Z	0	0	3	56	36	—	
Brest ...	30.25	54	N	7	0	30.32	+ 20	53	51	+ 3	NNW	4	0	3	59	42	—	
Lorient ...	30.21	56	N	4	0	30.28	+ 18	50	49	- 1	NNE	1	0	2	61	46	—	
Rockfort ...	30.21	54	NW	4	0	30.31	+ 14	50	44	- 1	NNE	4	0	2	59	41	—	
Belfort ...	30.03	45	S	1	0	30.16	+ 20	50	46	+ 10	W	1	0	3	53	38	—	
Lyons ...	30.14	47	NNW	4	0	30.22	+ 18	47	43	+ 7	N	1	0	3	58	39	0.12	
Nice ...	29.94	51	Z	0	0	30.06	+ 25	51	45	- 1	ENE	0	0	2	61	41	—	
Perpignan ...	30.13	58	NW	4	0	30.21	+ 11	56	49	+ 1	NW	4	0	3	60	47	—	
Biarritz ...	30.21	55	WNW	5	0	30.29	+ 08	56	52	+ 1	SE	3	0	1	57	48	0.12	
Corunna ...	*	*	*	*	*	30.41	- 01	59	57	- 1	NE	8	0	3	63	52	—	
Lisbon ...	30.01	68	N	7	0	30.07	- 00	64	53	+ 1	NE	7	0	2	79	61	—	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Tuesday 24th May

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

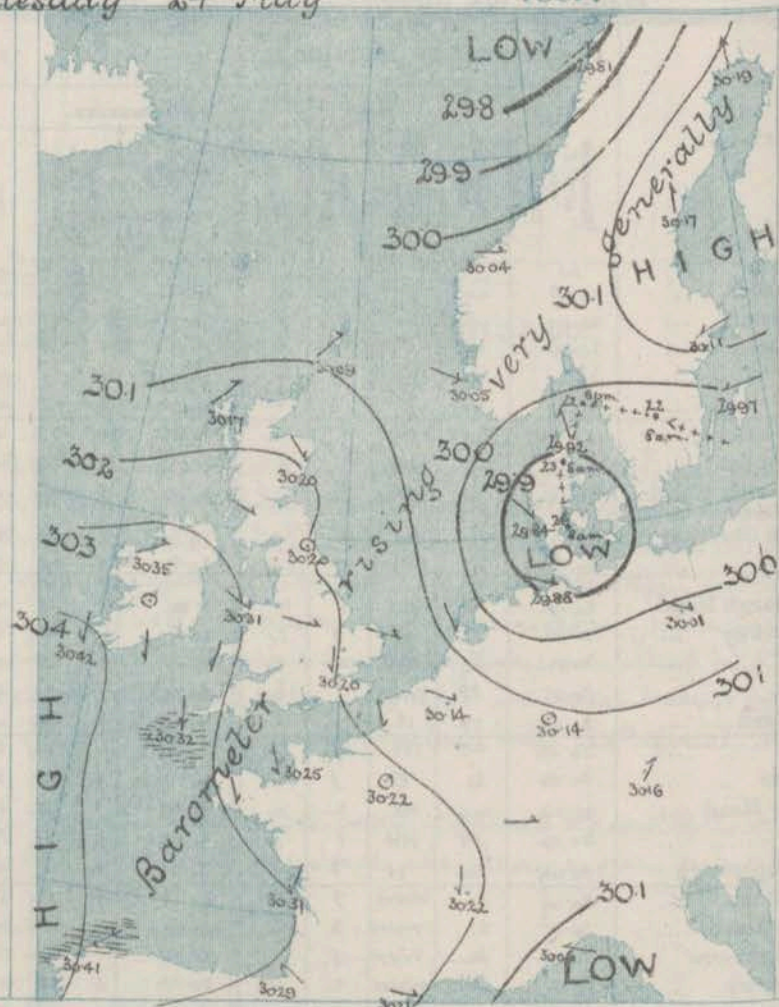
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■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

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	INCH.
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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.

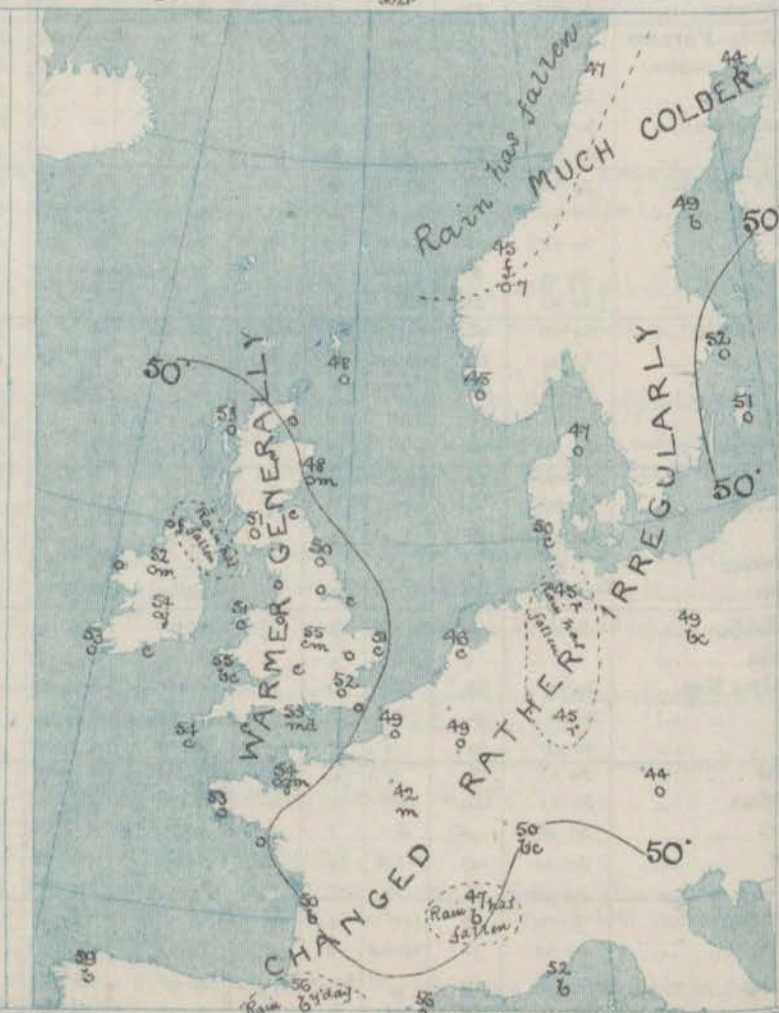
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May

STATIONS.	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m. Dry.	At 8 a.m. Wet.	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.04
Wick	53.5	40.4	47.7	45.1	1.02
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	56.6	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roches Point	50.5	46.8	51.7	48.6	3.06
Pembroke	55.6	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.6	50.1	1.66
Hurst Castle	55.0	45.2	51.2	49.9	1.70
Dover	56.3	46.4	52.5	49.0	1.77
LONDON	61.5	48.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.9	41.8	50.7	47.6	1.76
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, Malin and Cronin 30.12 ins, Malin Head, Boushadee and Rochepont 30.30 ins, Gulf of Bothnia 30.17 ins.
 Lowest, Lisbon 30.07 ins, Nice 30.06 ins, Paris 29.84 ins, Rome 29.81 ins.
Prognosis are slight and becoming favourable for more W. winds in the north than at present. Barometer rising a little generally.

TEMPERATURE

Highest, 61° at Lisbon, 56° at Perpignan, Biarritz and Rochepont, 53° at Hornøya and 52° at Stockholm.
 Lowest, 42° at Paris, 41° at Munich and Hoparanda, 45° at Bistaden and Aukhøven and in the west of Norway.
 It is higher over the British Islands generally than it was yesterday. Over Finland and Lapland, it has given away very suddenly.

WIND

Slight from between N and NW over France, Holland and the British Islands, with a tendency to back to SW in the north of Scotland.
 Moderate from E in the south of Sweden, and from NW over Holstein.
 Strong from the S. over Lapland and Finland.

WEATHER

Cloudy but fair over the British Islands and north-west of France, clear in the south of France and over Sweden.
 Rainy in parts of North Germany, dull and foggy in the west of Norway.
 The rainfall over our islands since yesterday has been very slight and local.

SEA

Moderate at Rhodusnaes, Seilly and Harwich, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no indication at present of any important change beyond some further rise of temperature over the British Islands and France.

FORECASTS

for the 24 hours ending at NOON on 25th May 1887.

DISTRICTS.



FORECASTS.

0	SCOTLAND NORTH	SW ^{ly} to NW ^{ly} winds, freshening, fair and milder to unsettled and showery.
1	SCOTLAND EAST	— 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	NW ^{ly} to W ^{ly} breezes, light, fair, milder.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NW ^{ly} and W ^{ly} breezes, moderate, fair to unsettled.
7	ENGLAND N.W.	— D° ————— D° —————
8	ENGLAND S.W.	Same as No. 5.
9	IRELAND NORTH	Same as No. 5.
10	IRELAND SOUTH	Same as No. 5.
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 ...	29.68	47	45	NW 8	0	4	Holyhead ...	30.14	55	51	WNW 3	c	2
Sumburgh Head ...	29.90	50	45	NW 2	6	2	Valencia ...	30.31	58	56	WNW 3	o	3
Stornoway ...	30.01	54	49	W 2	6c	2	Scilly ...	30.23	55	51	NNW 5	c	5
Aberdeen ...	29.98	58	53	NNW 4	c	1	Dungeness ...	30.05	53	47	N 2	c	2
Shields ...	30.00	52	48	ENE 1	c	2	London ...	30.08	56	50	WNW 3	c	*
Ardrossan ...	30.05	57	52	WNW 3	o	2	Yarmouth ...	30.03	52	48	NNW 3	6c	3
Malin Head ...	30.14	52	52	SSE 3	o	3	Jersey ...	30.18	53	48	WNW 4	c	3
Mullaghmore ...	30.20	54	52	W 5	ov	3	Rocheport ...	30.19	57	53	NW 4	o	2
Belmullet ...	30.22	55	53	WNW 3	o	*							

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

Yesterday morning's observations showed that pressure varied from 30.3 in. and more over the northwest of Spain, and off our southwestern coast, and from a little above 30.1 in. over Central Russia to a little below 29.7 in. over the west of Norway and to 29.5 in. in a depression which lay over Denmark. NW winds were consequently prevalent over nearly the whole of Western Europe, but were moderate in strength except on the southwest coast of France, where they blew strongly. In Holland and Germany the wind was W^{ly}, in Russia and the Baltic S^{ly}, and over Northern Europe very light and variable. The weather was cloudy except in the far north, and in a few localities rain was falling, but the tendency was towards an improvement in most places. Temperature was high over Russia, Finland, and Lapland, low over the British Islands, France, Germany, and the Baltic, in all of which regions the bulk of the morning readings were below 50°. The highest individual values were 70° at Cagliari, 69° at Tifar (Algeria), 66° at Brindisi, San Fernando and Haparanda (Gulf of Bothnia), 65° at Lisbon, Palermo, Odessa, Nicolaioff and Ulsaborg, 63° at Malta, and 59° at Rome, Corunna, and Bilbao; the lowest 40° at Lyons and Belfort, 41° at Munich, 42° at Munster, 43° at Paris, 44° at Faro, 45° at Sumburgh Hd, and 48° in London.

During the day the thermometer rose a little over Northern Europe and pressure also increased considerably. A depression, however, began to approach Lapland from the Atlantic, and with a freshening S^{ly} wind the high temperatures over Northern Europe gave way.

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 May

1887.

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

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)			Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																			
Haparanda ..	30.15	43	S	2	b		30.14	- .05	52	48	+ 8	S	2	b	*	?	39	—	
Hernösand ...	30.15	48	Z	0	b		30.20	+ .03	55	48	+ 6	NE	2	c	*	63	41	—	
Stockholm ...	30.21	45	NE	4	o		30.22	+ .11	52	50	0	SSW	2	o	*	55	41	0.16	
Wishby ...	29.89	45	E	4	r		30.21	+ .24	48	45	- 3	WSW	4	b	*	59	41	0.08	
Bodö ...	30.12	44	WSW	4	c		30.08	+ .27	46	43	- 2	SE	2	r	1	?	43	0.12	
Christiansund...	30.17	48	ESE	1	b		30.24	+ .20	50	48	+ 5	S	1	o	1	50	41	—	
Skudensnaes ...	30.19	47	SW	4	o		30.21	+ .16	50	47	+ 5	NNE	2	*	3	57	?	—	
Christiania Fjord (Farder)	30.17	48	Z	0	c		30.22	+ .20	53	48	+ 5	NNW	2	b	1	65	?	0.04	
Skagen (The Scaw)	30.12	50	Z	0	o		30.23	+ .31	57	50	+ 4	Z	0	o	0	54	45	0.16	
Fanö ...	30.18	46	NNE	4	c		30.17	+ .35	51	48	+ 1	ENE	4	b	*	54	43	0.04	
BRITISH ISLANDS.																			
Sumburgh Head	30.17	49	W	2	f		30.29	+ .20	48	48	0	NNW	2	f	2	51	45	0.03	
Stornoway ...	30.28	55	NW	2	om		30.37	+ .20	58	55	+ 5	N	2	b	2	60	51	—	
Wick ...	30.25	53	NW	4	o		30.35	+ .18	53	52	+ 3	NW	4	o	1	56	48	—	
Nairn ...	30.26	60	W	1	c		30.36	+ .20	55	53	- 1	N	1	o	1	65	53	—	
Aberdeen...	30.26	54	Z	0	om		30.32	+ .12	55	53	+ 7	N	5	omd	1	60	47	0.02	
Leith ...	30.27	62	W	1	c		30.29	+ .19	57	55	- 1	SW	1	c	*	70	49	—	
Shields ...	30.27	47	E	2	r		30.29	+ .09	48	48	- 2	N	2	r	3	52	45	0.27	
Spurn Head ...	30.27	48	NNW	4	o		30.27	+ .07	47	46	- 4	N	4	o	3	52	45	0.05	
York ...	30.27	50	N	1	r		30.31	+ .09	46	46	- 7	NNE	1	r	*	60	46	0.26	
Loughborough	30.25	53	WNW	1	r		30.28	+ .06	47	46	- 8	NNE	2	o	*	60	44	0.10	
GERMANY.																			
Ardrossan ...	30.27	54	NW	4	o		30.33	+ .08	54	52	+ 3	WNW	2	o	1	58	46	—	
Malin Head ...	30.28	50	W	3	of		30.40	+ .10	49	49	- 1	WNW	3	of	2	53	49	0.01	
Mullaghmore	30.42	51	W	4	om		30.40	+ .05	52	51	0	Z	0	b	2	53	47	—	
Belmullet ...	30.43	51	WNW	2	o		30.43	+ .07	48	48	- 3	NNE	4	o	*	54	46	—	
Donaghadee ...	30.33	55	NNE	3	c		30.36	+ .06	51	51	- 3	NE	3	c	7	59	49	—	
Barrow-in-Furness	30.24	54	NN	3	o		30.25	+ .04	55	54	+ 3	NNE	1	om	*	57	51	—	
Liverpool (Bidston)	30.29	51	W	3	o		30.29	+ .01	57	50	0	WNW	2	o	2	55	49	—	
Holyhead ...	30.31	52	WNW	3	c		30.30	- .01	49	48	- 2	NNW	2	om	1	59	47	—	
Parsonstown ...	30.37	63	Z	0	o		30.38	+ .01	50	49	- 4	Z	0	og	*	64	48	—	
Valencia ...	30.40	55	NNW	3	c		30.34	- .08	60	56	+ 7	NNE	1	b	1	60	44	—	
Roche's Point...	30.38	57	NW	2	c		30.32	- .04	54	51	- 2	N	3	b	3	62	50	—	
Pembroke ...	30.32	53	NW	2	b		30.26	- .06	49	49	- 6	N	4	om	3	59	49	—	
Seilly ...	30.33	54	N	4	c		30.24	- .08	54	52	0	NNE	4	c	4	56	51	—	
Prawle Point ...	30.26	62	N	3	b		30.22	- .05	51	50	- 8	ENE	2	m	1	71	?	—	
Jersey ...	30.26	57	WNW	3	b		30.20	- .05	50	48	- 4	NE	4	om	3	62	49	—	
Hurst Castle ...	30.23	55	ENE	1	m		30.24	+ .01	50	48	- 3	NE	3	c	1	66	47	0.03	
Daugeness ...	30.18	56	N	2	o		30.16	- .02	50	47	+ 3	NE	4	o	3	56	43	—	
London ...	30.21	54	N	2	ogd		30.23	+ .03	49	45	- 3	NNE	2	o	*	59	45	0.01	
Oxford ...	30.25	52	Z	0	r		30.25	+ .02	47	45	- 7	NNE	3	o	*	60	44	0.04	
Cambridge ...	30.24	50	N	1	r		30.24	+ .04	50	48	- 5	N	1	o	*	59	43	0.03	
Yarmouth ...	30.19	49	N	4	c		30.19	+ .03	49	47	- 2	N	5	og	4	53	45	—	
Cuxhaven ...	29.97	46	NNW	3	c		30.12	+ .24	49	47	+ 4	E	4	r	*	?	45	0.06	
Berlin ...	30.09	50	SW	2	b		30.14	+ .13	53	48	+ 4	E	2	b	*	55	46	0.04	
Wiesbaden ...	*	*	*	*	*		30.08	- .06	48	45	+ 3	N	3	b	*	52	37	0.35	
Munich ...	30.15	42	W	2	o		30.10	- .06	49	45	+ 5	SE	2	b	*	52	34	0.08	
FRANCE & NETHERLANDS.																			
The Helder ...	30.07	48	N	5	o		30.13	+ .06	49	47	+ 3	NNE	4	c	3	56	46	—	
Brussels ...	*	*	*	*	*		30.07	- .07	49	45	0	NNW	4	o	*	55	46	0.08	
Cape Gris Nez...	30.08	52	ENE	1	c		30.15	- .03	48	47	- 1	NE	7	b	5	57	46	—	
Paris ...	30.15	56	NW	1	b		30.15	- .07	45	44	+ 3	N	1	o	*	61	39	0.04	
Brest ...	30.31	56	N	4	b		30.23	- .09	53	52	0	N	4	b	2	59	41	—	
Lorient ...	30.27	60	NE	5	b		30.20	- .08	52	57	+ 2	NNE	3	o	2	63	48	—	
Rockfort ...	30.28	57	NW	5	c		30.19	- .12	54	53	+ 4	ENE	4	b	2	66	48	—	
Belfort ...	30.15	50	W	3	c		30.04	- .12	48	45	- 2	W	1	c	*	57	38	—	
Lyons ...	30.17	50	NNW	3	c		30.10	- .12	47	44	0	N	1	o	*	57	41	—	
Nice ...	30.10	54	Z	0	c		30.04	- .02	54	50	+ 2	NE	1	b	0	61	43	—	
Perpignan ...	30.15	60	NW	5	o		30.08	- .13	58	49	+ 2	NW	5	b	*	67	51	—	
Barritz ...	30.25	58	NNW	4	c		30.21	- .08	54	52	- 2	WSW	5	*	2	61	52	—	
Corunna ...	*	*	*	*	*														
Lisbon ...	30.03	71	NNW	7	b		30.07	00	64	56	0	NNE	3	b	2	78	63	—	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on WEDNESDAY, 25th May, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

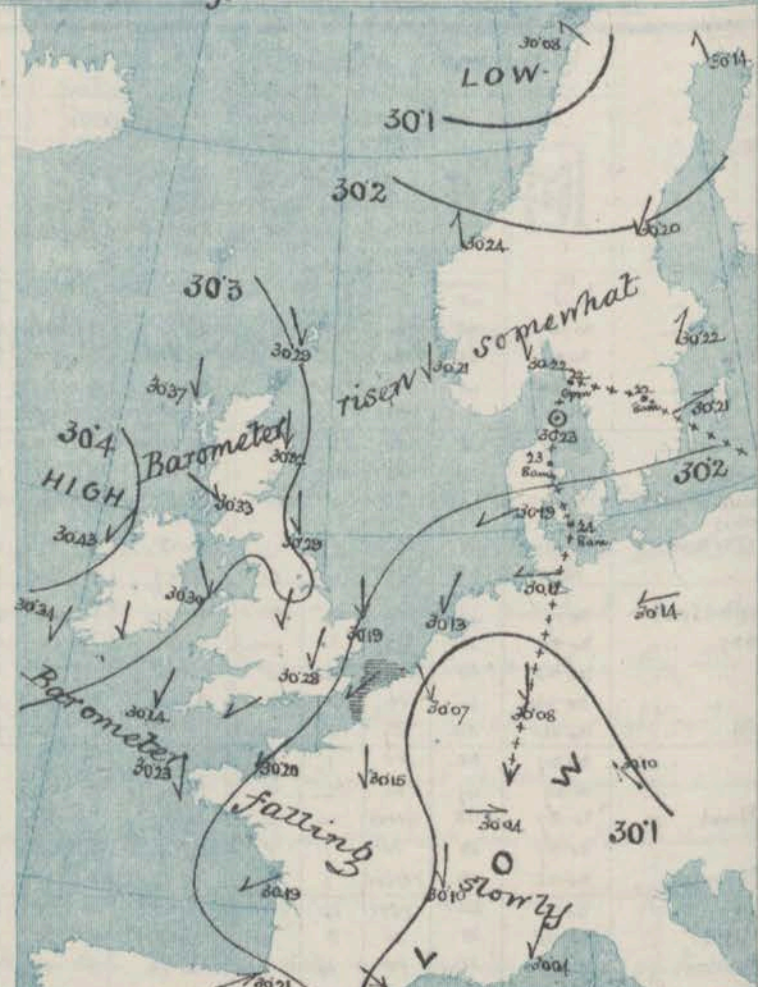
Sea Disturbance — where considerable is shown thus

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.896
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	29.989
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.64
Wick	53.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	56.6	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	46.3	51.7	48.6	3.05
Pembroke	55.6	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.6	50.1	1.66
Hurst Castle	58.0	45.2	51.2	49.9	1.70
Dover	56.3	46.4	52.5	49.0	1.77
LONDON	61.5	43.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.9	41.8	50.7	47.6	1.76
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 ins and upwards in an anticyclone lying off the west of Ireland.
Lowest, 30.1 ins and less off the north-west of Norway and also over Belgium, Western Germany and the east of France.

TEMPERATURE

Highest, 60° at Valencia, 58° at Hornum and Lerpigan, 57° at Leith and 55° at Helsingfors, Hain, Aberdeen and Barrow-in-Furness.
Lowest, 45° at Rode and Paris, 46° at York and 47° at Spurn Head, Loughborough and Lyons.

WIND

Moderate NW in our islands, NW in the extreme north, NE in the south.
Light and variable in Scandinavia, E in Germany.
Fresh W in the south of France.

WEATHER

Fine in Ireland and the west of Scotland as well as in Germany and the east of France.
Cloudy or overcast elsewhere with rain on our north-eastern coast.
[Rain fell yesterday at all but our western stations]

SEA

Rather rough at Cape Gris Nez, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone noticed to the south-westward of our islands yesterday has extended northwards along our western coast, and at the same time the depression over Denmark has travelled southward to Western Germany.

A shallow local disturbance is, however, now lying off the north-east of England, and as this moves southwards rain will probably be experienced over our south-eastern districts. The depression over Germany seems likely to travel south-westward over Central France.

FORECASTS

For the 24 hours ending at NOON on

26th May

1887.

DISTRICTS.

FORECASTS.

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

NW^{ly} and N^{ly} winds, moderate, fair generally.

N^{ly} winds, moderate, some rain at first, then fair.

----- D° ----- D°

Same as N° 5.

Same as N° 5.

N^{ly} and NE^{ly} winds, moderate, cloudy generally, with some rain.

DISTRICTS.

FORECASTS.

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

NW^{ly} to N^{ly} winds, light, fair generally.

----- D° ----- D°

N^{ly} and NE^{ly} winds, moderate, fair generally.

----- D° ----- D°

----- D° ----- D°

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeesnaes ...	30.14	53	49	NW 6	c	3	Holyhead ...	30.32	54	52	WNW 3	c	2
Sumburgh Head ...	30.12	49	49	W 2	f	1	Valencia ...	30.44	58	55	NNW 3	c	3
Stornoway ...	30.19	59	56	NW 1	o	1	Scilly ...	30.35	56	53	N 4	bc	4
Aberdeen ...	30.23	53	52	L 0	omp	1	Dungeness ...	30.19	52	50	W 2	c	1
Shields ...	30.24	49	47	ENE 2	o	2	London ...	30.22	59	62	NNW 3	o	*
Ardrossan ...	30.27	56	53	WNW 3	o	2	Yarmouth ...	30.18	53	49	N 4	bc	4
Malin Head ...	30.34	52	52	W 3	o	3	Jersey ...	30.28	61	55	NW 3	bc	3
Mullaghmore ...	30.40	52	57	WSW 3	omp	2	Rochefort ...	30.31	60	54	NY 5	c	2
Belmullet ...	30.42	54	52	WNW 2	o	*							

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

The continental reports for yesterday morning showed that a large anticyclonic system, with readings above 30.4 in., was lying to the southwestward of our islands, while a smaller one, with readings above 30.3 in., existed over Finland. The lowest pressures (29.9 in. and less) were found in three depressions which were lying respectively, off the northwest of Norway, over Denmark and over Poland. Moderate SW⁴ breezes prevailed over the northern parts of Scotland and Ireland, but over France and the southern parts of our islands the wind was NW⁴ or N⁴, over the Baltic E⁴ and over Southern Europe light and variable. Rain was falling over Denmark and Germany, but elsewhere the weather, though cloudy, was mostly fair. Temperature had fallen a little over Northern Europe, but risen in most other regions; readings ranged from 60° and upwards at many of the Spanish, Algerian, Mediterranean and Russian stations to 45° or less in some parts of Scandinavia. The highest individual readings were 71° at Oporto, 67° at Oran and Moscow and 66° at Palma, San Fernando, Brindisi, Cagliari and Charkov; the lowest were 42° at Paris and Cassel, 43° at Craon and 44° at Haparanda, Le Mans, Besançon and Munich.

In the course of the day some slight local irregularities in pressure appeared over England and rain fell at many of our stations. Elsewhere little change was observed.

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

Thursday 26th May

1887.

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

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.																		
STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.	
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	30.16	42	hsk	2	bc	30.31	+17	54	47	+7	N	2	c	*	57	44	-	
Hernösand ...	30.33	50	z	0	b	30.39	+19	57	51	+2	N	2	b	*	59	45	-	
Stockholm ...	30.32	52	se	2	o	30.25	+03	48	47	-4	N	2	r	*	63	41	0.04	
Wisby ...	30.22	47	nne	4	o	30.13	-08	52	50	+4	se	4	o	*	55	41	0.51	
Bodo ...	30.29	44	N	4	o	30.34	+26	44	43	-1	Z	0	f	0	45	43	0.04	
Christiansund...	30.39	48	W	6	b	30.47	+23	50	49	0	WNW	1	f	1	50	45	-	
Skudesnaes ...	30.37	53	Z	0	o	30.37	+16	57	51	+7	WNW	2	bc	3	?	50	-	
Christiania Fjord (Fjorder)	30.36	53	hsw	2	b	30.29	+07	54	49	+1	N	2	b	2	57	50	-	
Skagen (The Scaw)	30.32	50	nne	1	b	30.25	+02	51	50	0	nne	1	o	0	61	48	-	
Faenø ...	30.28	49	ENE	3	b	30.26	+07	57	51	+6	NE	4	b	*	57	45	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.38	52	Z	0	m	30.43	+14	50	50	+2	NE	1	o	2	55	47	0.02	
Stornoway ...	30.41	52	E	2	c	30.41	+04	52	51	-6	NE	3	c	3	62	47	-	
Wick ...	30.42	54	N	1	o	30.44	+09	48	48	-5	Z	0	o	0	58	45	0.05	
Nairn ...	30.39	57	NE	1	c	30.42	+06	50	50	-5	NE	1	o	0	60	47	0.07	
Aberdeen...	30.36	51	N	4	om	30.45	+13	52	50	-3	NE	1	b	1	55	46	0.84	
Leith ...	30.36	54	E	1	r	30.44	+05	47	46	-10	E	1	o	*	60	45	0.28	
Shields ...	30.29	47	nne	1	md	30.40	+11	46	45	-2	nne	2	o	3	49	43	0.13	
Spurn Head ...	30.25	47	nne	4	c	30.25	+01	50	48	+3	nne	5	b	3	50	45	-	
York ...	30.28	47	ENE	1	r	30.34	+06	48	46	+2	nne	2	o	*	51	41	0.13	
Loughborough	30.24	49	ENE	2	o	30.25	-02	49	48	+2	nne	4	og	*	53	44	0.02	
Ardrossan ...	30.32	62	Z	0	om	30.40	+07	56	51	+2	ENE	3	bc	1	65	43	0.02	
Malin Head ...	30.35	54	N	2	bc	30.36	-04	50	50	+1	ENE	3	opm	2	54	49	-	
Mullaghmore ...	30.33	60	N	3	bv	30.35	-05	58	50	+1	E	4	og	3	63	51	-	
Belmullet ...	30.36	53	nne	4	b	30.32	-11	56	54	+8	NE	2	o	*	56	48	-	
Donaghadee ...	30.31	55	nne	2	c	30.39	+03	52	50	+1	E	3	b	1	60	47	-	
EUROPE.																		
Barrow-in-Furness	30.24	58	NW	2	o	30.32	+07	50	47	-5	NE	4	b	*	63	46	-	
Liverpool (Bidston)	30.23	55	N	2	o	30.31	+02	52	47	+1	ENE	3	b	2	57	45	0.02	
Holyhead ...	30.27	52	N	1	bc	30.33	+03	52	48	+3	ENE	3	b	2	56	46	-	
Parsonstown ...	30.28	65	Z	0	c	30.32	-06	51	48	+1	NE	1	og	*	68	49	-	
Valencia ...	30.27	63	N	1	c	30.24	-10	58	55	-2	SSS	3	cm	3	68	49	-	
Roches's Point...	30.29	56	SSS	1	c	30.26	-06	51	48	-3	E	4	c	3	62	50	0.02	
Pembroke ...	30.23	55	nne	3	c	30.24	-02	52	49	+3	ENE	5	bc	4	62	46	-	
Scilly ...	30.20	53	NE	2	om	30.15	-09	51	47	-3	ENE	5	c	4	55	47	0.01	
Prawle Point ...	30.20	53	nne	1	c	30.14	-08	50	48	-1	nne	4	c	3	58	47	0.03	
Jersey ...	30.16	53	N	3	bc	30.06	-14	49	47	-1	NE	4	om	3	57	47	0.10	
AFRICA.																		
Hurst Castle ...	30.17	55	nne	3	c	30.11	-13	52	49	+2	NE	5	c	1	57	46	0.01	
Dungeness ...	30.09	51	NE	5	c	30.02	-14	51	50	+1	NE	4	c	3	56	47	-	
London ...	30.17	52	nne	3	o	30.15	-08	52	49	+3	NE	4	c	*	58	46	0.02	
Oxford ...	30.21	48	nne	3	o	30.20	-05	50	48	+3	NE	3	o	*	53	44	-	
Cambridge ...	30.21	49	N	2	c	30.19	-05	55	52	+5	NE	2	b	*	55	43	-	
ASIA.																		
Yarmouth ...	30.18	50	nne	5	c	30.19	-00	51	50	+2	ENE	5	bc	4	53	46	-	
Cuxhaven ...	30.16	48	E	2	o	30.20	+08	55	54	+6	NE	1	b	*	55	48	0.10	
Berlin ...	30.13	52	ESC	3	o	30.13	+01	50	47	-3	nne	3	c	*	63	46	0.14	
Wiesbaden ...	*	*	*	*	*	30.06	-02	53	48	+5	NE	4	bc	*	57	41	0.20	
Munich ...	29.97	48	E	4	b	29.93	-17	50	46	+1	E	4	c	*	57	37	-	
AMERICA.																		
The Helder ...	30.12	51	NE	5	o	30.20	+07	51	49	+2	ENE	4	bc	3	52	48	-	
Brussels ...	*	*	*	*	*	30.07	-00	50	47	+1	ENE	5	bc	*	56	43	0.24	
Cape Gris Nez...	30.09	48	NE	8	o	30.06	-09	51	50	+3	ENE	8	o	6	57	46	0.04	
Paris ...	30.05	49	N	1	r	29.98	-17	50	48	+5	NE	1	bc	*	54	45	0.35	
Brest ...	30.23	55	NE	4	b	30.09	-14	50	47	-3	E	4	o	4	63	41	0.08	
AUSTRALIA.																		
Lorient ...	30.10	59	N	5	c	30.05	-14	50	48	-4	nne	5	o	2	64	43	0.08	
Rockfort ...	29.97	49	W	2	c	29.94	-10	47	45	-1	N	1	o	*	51	38	0.12	
Belfort ...	30.02	46	WNW	1	r	29.96	-14	46	44	-1	WNW	1	r	*	58	43	0.12	
Lyons ...	29.96	53	S	1	o	29.95	-09	51	44	-3	Z	0	o	1	61	46	-	
Nice ...	30.00	59	N	4	o	29.95	-13	54	53	-4	Z	0	o	*	68	51	-	
Perpignan ...	30.12	56	N	5	o	30.01	-20	57	53	+3	N	4	c	2	59	52	-	
Biarritz ...	*	*	*	*	*	30.03	-04	61	54	-3	WNW	4	b	2	75	55	-	
Corunna ...	30.02	66	NW	1	b													
Lisbon ...																		

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Thursday, 26th May,

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

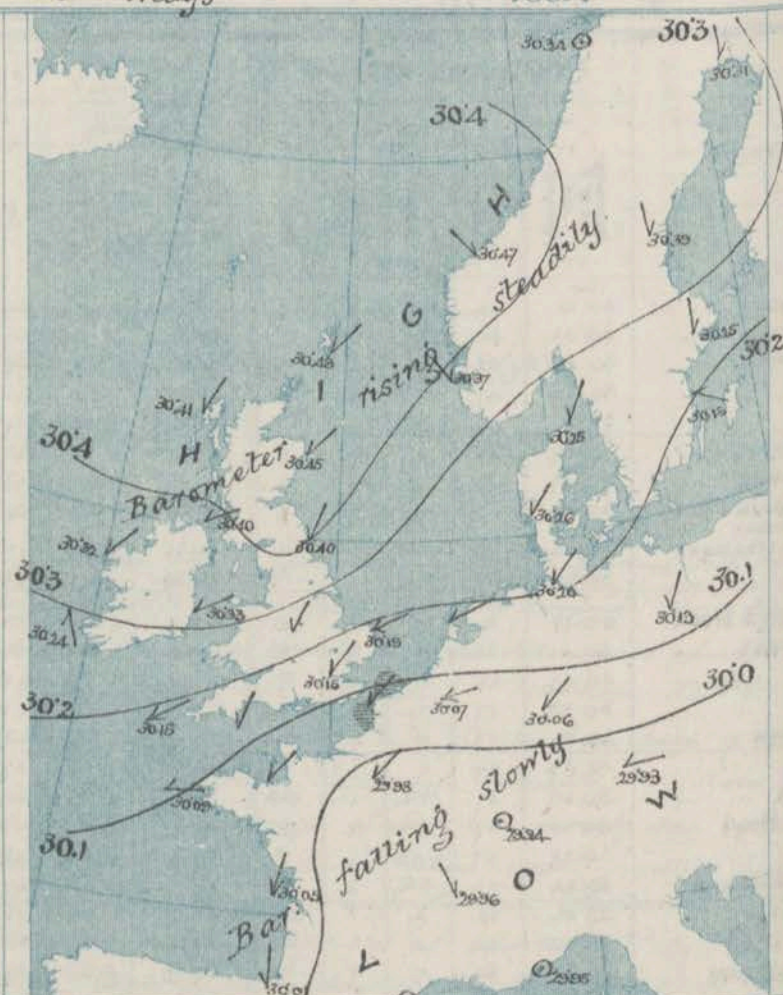
Sea Disturbance — where considerable is shown thus

▨ = Rough. ▨ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS
	in.
Sumburgh Head	29.896
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	29.989
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.64
Wick	53.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	56.6	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	46.3	51.7	48.6	3.05
Pembroke	55.6	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.6	50.1	1.66
Hurst Castle	58.0	45.2	51.2	49.9	1.70
Dover	56.3	46.4	52.5	49.0	1.77
LONDON	61.5	43.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.9	41.8	50.7	47.6	1.76
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4, was met upwards in a large anticyclone, the south-eastern portion of which extends from the coast of Scotland to the Norwegian coasts. Lowest, 30.0, was met over South Germany and the greater part of France.

TEMPERATURE

Highest, 61° at Lisbon, 58° at Valencia, 57° at Hernösand, Mudearra, Lons and Biarritz and 56° at Ardrossan and Belmullet. Lowest, 44° at Rode, 46° at Shields and Lyons, and 47° at Leith and Belfast. [The maxima registered yesterday were as high as 65° at Ardrossan and 68° at Portonmouth and Valencia, but in London the thermometer did not rise above 58°]

WIND

Light or moderate from N.W. Sweden, Denmark and the west of France. N.E. or E. elsewhere; light on our northern coasts, but fresh in the south and east.

WEATHER

Fine over the Netherlands and south of Denmark as well as at the majority of our north-western stations. Cloudy or overcast in most other localities with passing showers at Chatham Head and Roker Point. [Rain fell yesterday in several parts of Western Europe, but the amounts were as a rule, slight]

SEA

Rough at Cape Fisher and moderate on exposed parts of our southern coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone which lay off our western coasts yesterday has extended in a north-easterly direction, and the barometer has risen at all our more northern as well as at the Scandinavian stations. Over France and the south of our islands, however the barometer has continued to fall slowly.

The distribution of pressure is favourable for a continuance of N.E. winds and cool weather. Showers may possibly occur at some of our eastern and southern stations.

FORECASTS

For the 24 hours ending at NOON on 27th May 1887.

DISTRICTS.

FORECASTS.

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

Light winds, chiefly E. ly, fair generally.

D° ————— D°

Same as N° 5.

Same as N° 5.

Same as N° 5.

N.E. ly winds fresh or strong, cloudy, slight rain locally.

DISTRICTS.

FORECASTS.

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

N.E. ly and E. ly winds, light, fair generally.

D° ————— D°

N.E. ly and E. ly winds, fresh, fair generally.

E. ly winds, moderate or fresh, cloudy, local showers.

D° ————— D°

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.	Wva.	Sea.		Bar.	Dry.	Wet.	Wind.	Wva.	Sea.
Skudesnaes ...	30.30	56	53	HW 2	0	2	Holyhead ...	30.29	56	53	HW 1	c	1
Sumburgh Head ...	30.34	58	52	2	0	1	Valencia ...	30.31	67	60	SW 2	cm	3
Stornoway ...	30.36	58	55	HE 2	c	2	Scilly ...	30.23	52	51	HE 4	of	4
Aberdeen ...	30.35	53	52	M 5	7 m	2	Dungeness ...	30.13	55	50	HE 5	c	4
Shields ...	30.28	48	48	M 1	2 m	3	London ...	30.19	56	46	M 3	o	*
Ardrossan ...	30.31	63	57	HE 2	0	1	Yarmouth ...	30.19	52	50	HE 4	bc	4
Malin Head ...	30.38	54	54	HE 1	0	0	Jersey ...	30.20	56	51	HE 4	b	3
Mullaghmore ...	30.36	61	58	HW 2	6 v	2	Rocheport ...	30.13	62	59	HW 3	b	2
Belmullet ...	30.39	55	53	HE 4	6	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Yesterday morning's Reports showed that pressure varied from 30.4 ins and more off our extreme north-western coasts, and from about the same value over Central Russia and the Baltic Provinces to rather below 30. ins over the Mediterranean, Asiatic and Balkan Peninsula, as well as in a small depression which lay near Arlon (north-east of France). Thus, while N^W winds prevailed over nearly the whole of Western Europe, those over Germany were E^{ly}, and those over the Baltic chiefly S^{ly}. The weather was dull over the British Isles and France and rain fell over the north-east of Great Britain. Temperature continued high over the west of Spain, Russia and the shores of the White Sea, but was low over England, France, Germany, the Mediterranean and North Africa. The highest individual values were 73° at Oporto, 70° at Kharkov, 69° at Odessa, 68° at Moscow and Brindisi, 67° at Nicolaieff, 66° at Constantinople, 65° at Archangel, 64° at Kiev, 61° at Cagliari and 60° at Valencia (Ireland); the lowest 45° at Paris, Gap and Bodo, 46° at York, 47° at Spurn Head, Loughborough and Lyons, and below 50° at many of the French stations.

Later on the wind veered towards NE in the Channel and freshened, and some showers fell at night near London.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (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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STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 35° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer. Reading at 35° F. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.			
			Dir.	Force. (0 to 12.)			Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.				
SCANDINAVIA.																			
Haparanda ..	30.12	50	S	2	b	30.14	-17	50	44	-4	N	8	b	*	61	37	-		
Hernösand ...	30.25	54	Z	0	b	30.20	-19	58	51	+1	N	4	c	*	70	43	-		
Stockholm ...	30.23	53	SSE	2	o	30.11	-14	51	50	+3	NE	4	r	*	63	45	0.08		
Wisby ...	30.15	48	NE	4	c	30.03	-10	55	51	+3	ENE	6	b	*	63	43	0.28		
Bodo ...	30.23	44	WSW	8	r	30.43	+09	40	39	-4	NNW	4	o	2	45	39	0.16		
Christiansund...	30.38	49	NW	2	f	30.39	-08	49	46	-3	NE	5	f	2	52	41	-		
Skudesnaes ...	30.21	57	NNW	6	b	30.17	-20	62	53	+5	E	1	b	2	?	57	-		
Christiania Fjord (Færder)	30.22	60	E	2	b	30.14	-15	57	52	+3	NNW	6	b	2	61	54	-		
Skagen (The Scaw)	30.17	54	ENE	1	b	30.08	-17	53	51	+2	NE	2	b	1	63	48	-		
Fanø ...	30.07	50	ENE	4	c	29.99	-27	54	51	-3	NE	4	c	*	64	50	-		
BRITISH ISLANDS.																			
Sumburgh Head	30.41	55	NE	1	o	30.31	-12	47	46	-3	NE	4	m	4	55	44	-		
Stornoway ...	30.38	52	E	4	c	30.36	-05	54	52	+2	NE	4	b	4	55	47	-		
Wick ...	30.42	51	Z	0	f	30.33	-11	50	49	+2	NNE	3	o	1	55	47	0.02		
Nairn ...	30.42	54	NE	1	b	30.33	-09	53	51	+3	Z	0	c	1	60	48	0.07		
Aberdeen...	30.39	53	E	1	b	30.27	-18	49	48	-3	N	5	o	2	61	48	0.01		
Leith ...	30.38	52	NE	1	c	30.24	-20	52	50	+5	NE	1	o	*	54	44	0.02		
Shields ...	30.38	45	NNE	3	o	30.16	-24	47	47	+1	NNE	2	o	3	47	40	-		
Spurn Head ...	30.27	51	NNE	5	b	30.04	-24	47	47	-3	N	6	op	4	54	45	-		
York ...	30.33	55	N	2	b	30.12	-22	49	47	+1	N	3	o	*	60	42	0.01		
Loughborough	30.25	60	ENE	3	b	30.07	-19	47	46	-2	N	5	og, g	*	64	45	0.01		
Ardrossan ...	30.35	62	ENE	2	b	30.24	-16	56	51	-1	N	1	om	1	64	50	-		
Malin Head ...	30.36	52	E	2	o	30.26	-10	53	52	+3	ENE	2	o	1	54	49	0.01		
Mullaghmore ...	30.38	58	ENE	4	b	30.26	-09	55	50	+2	Z	0	c	0	61	47	0.03		
Belmullet ...	30.32	61	ENE	3	b	30.28	-04	55	51	-1	NNE	?	b	*	63	47	-		
Donaghadee ...	30.36	56	NNE	2	b	30.24	-15	53	50	+1	NE	3	b	1	60	48	-		
Barrow-in-Farness	30.30	59	NW	3	b	30.15	-17	53	50	+3	NE	4	c	*	62	49	-		
Liverpool (Bidston)	30.29	58	ENE	3	b	30.14	-17	51	48	-1	N	2	o	2	60	46	-		
Holyhead ...	30.29	52	NNE	3	b	30.18	-15	51	48	-1	NNE	3	b	2	54	48	-		
Parsonstown ...	30.31	59	E	2	b	30.24	-08	55	50	+4	N	1	b	*	62	41	-		
Valencia ...	30.25	58	SSE	4	b	30.21	-03	59	54	+1	N	1	b	1	62	42	-		
Roche's Point...	30.27	57	ESE	5	b	30.21	-05	50	50	+2	N	3	b	3	60	47	-		
Pembroke ...	30.20	56	NE	4	b	30.14	-10	52	50	0	NNE	2	m	2	61	47	-		
Scilly ...	30.15	54	NE	5	om	30.12	-03	54	51	+3	NNE	3	b	4	55	48	-		
Prawle Point ...	30.13	56	NE	4	b	30.06	-08	55	49	+5	NE	5	c	4	63	48	0.01		
Jersey ...	30.07	58	NE	5	cpm	30.02	-04	52	48	+3	NE	4	b	3	59	48	0.04		
Hurst Castle ...	30.17	59	ENE	5	b	30.02	-09	46	46	-6	NNE	3	r	3	60	44	0.02		
Dungeness ...	30.17	54	ENE	5	c	29.90	-12	48	47	-3	NNE	5	r	3	58	43	0.02		
London ...	30.16	59	ENE	3	b	29.96	-19	46	45	-6	N	3	r	*	65	45	0.20		
Oxford ...	30.21	52	NE	4	b	30.04	-16	46	45	-4	N	3	dg	*	62	45	0.04		
Cambridge ...	30.20	56	NE	2	b	29.99	-20	48	47	-7	N	2	r	*	68	43	0.14		
Yarmouth ...	30.20	53	NE	4	b	29.95	-24	49	48	-2	NNE	4	dg	4	55	47	0.08		
Cuxhaven ...	30.08	50	NE	2	c	29.94	-26	51	51	-3	E	2	c	*	55	50	0.04		
Berlin ...	29.92	52	NE	2	r	29.90	-23	57	53	+7	SE	1	c	*	57	?	0.08		
Wiesbaden ...	*	*	*	*	*	29.88	-18	54	50	+7	NE	3	b	*	59	43	-		
Munich ...	29.90	44	NE	3	b	29.85	-08	43	42	-7	E	3	m	*	55	36	-		
GERMANY.																			
The Helder ...	30.07	50	NNE	4	o	29.91	-29	51	49	0	ENE	3	o	3	55	50	0.12		
Brussels ...	*	*	*	*	*	29.85	-22	50	49	0	ENE	3	r	*	61	48	0.28		
Cape Gris Nez...	30.06	52	ENE	8	c	29.88	-18	47	47	-4	NNE	7	r	5	57	46	0.08		
Paris ...	29.97	56	NNE	2	o	29.91	-07	47	47	-3	NNW	3	r	*	63	46	0.12		
Brest ...	30.09	62	E	5	b	30.07	-02	55	50	+5	NE	3	b	2	64	43	-		
Lorient ...	30.05	53	ENE	5	b	30.04	-02	50	47	+	NNE	4	c	2	57	46	0.08		
Rocheport ...	30.03	54	NW	5	c	30.03	-10	51	49	+4	W	1	c	*	57	40	0.08		
Belfort ...	29.89	50	W	3	c	29.84	-04	44	43	-2	SW	3	r	*	53	43	0.28		
Lyons ...	29.93	51	ESE	1	o	29.92	-10	48	46	-3	ESE	1	o	4	59	43	0.12		
Nice ...	29.95	47	Z	0	r	29.85	-10	48	46	-3	ESE	1	o	4	59	43	0.12		
Perpignan ...	29.98	48	NW	3	o	29.98	+03	53	48	-1	NNW	3	b	*	57	45	0.63		
Biarritz ...	29.98	55	NNE	5	o	30.02	+01	54	50	-3	SSE	4	b	1	61	48	-		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lisbon ...	30.04	62	WNW	5	b	30.00	-03	61	55	0	W	4	o	2	75	57	-		

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Friday, 27th May,

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

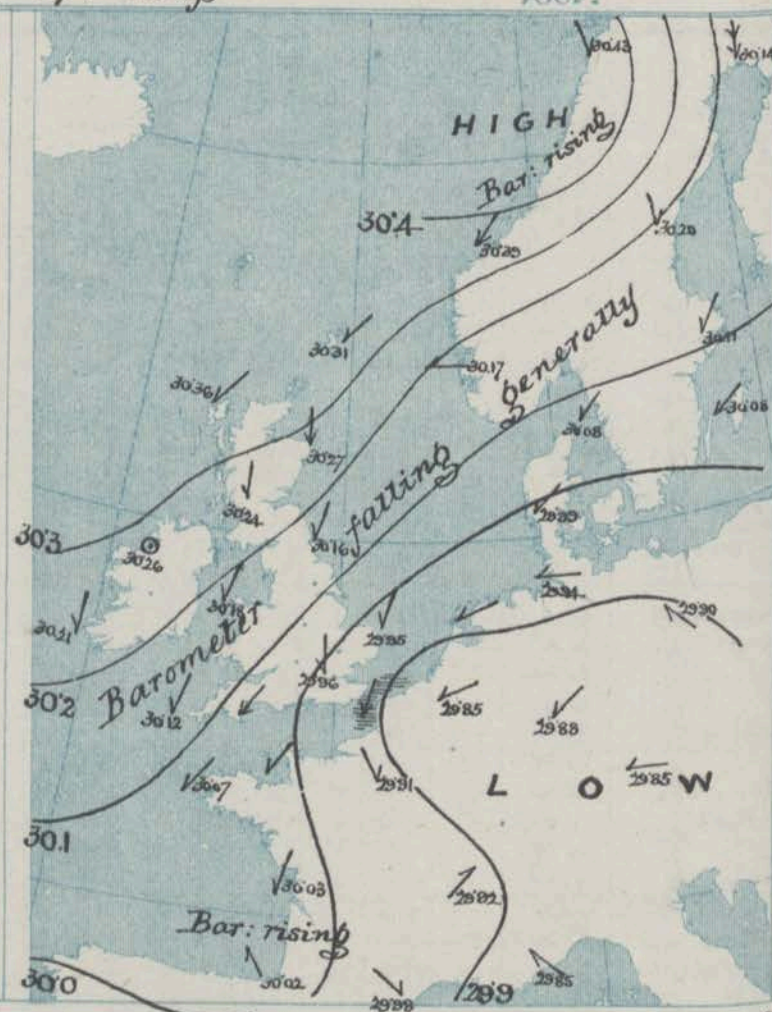
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 → = forces above 10; →→ = forces 8 to 10;
 →→ = forces 5 to 7; → = forces 1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

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.896
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	29.989
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



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

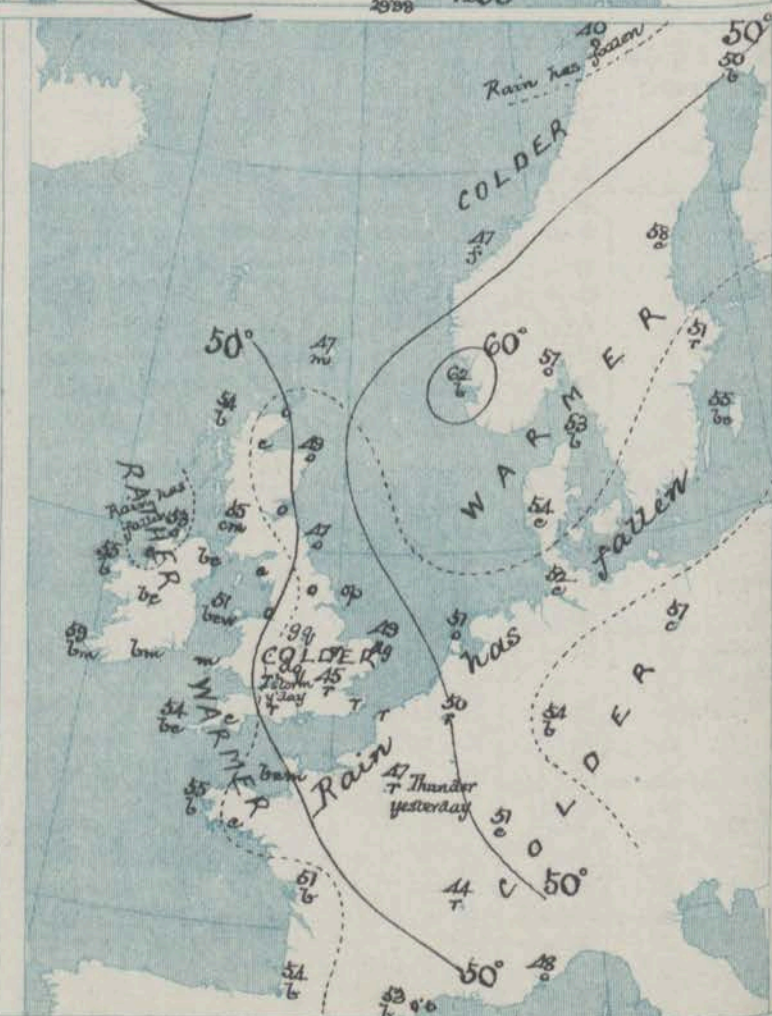
Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.
Weather — is shown by Letters of the Beaufort Scale.
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.64
Wick	53.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	56.5	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	46.3	51.7	48.6	3.05
Pembroke	55.6	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.6	50.1	1.66
Hurst Castle	58.0	45.2	51.2	49.9	1.70
Dover	56.3	46.4	52.5	49.0	1.77
LONDON	61.5	43.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.9	41.8	50.7	47.6	1.76
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, Bode 30.43 ins, Humberway 30.36 ins, Valencia 30.21 ins.
Lowest, Brussels, Munich and Nice, 29.83 ins, Wiesbaden 29.88 ins, Lisbon 30.00 ins.
Gradients, slight generally. Barometer falling irregularly, more in south-east.

TEMPERATURE

Highest, Mudevaar 62°, Lisbon 61°, Valencia 59°, Humberway 58°, Forster 57°.
Lowest, Bode 40°, Munich 43°, Lyons 44°, London 45°, Oxford and Hurst Castle 46°, Shie's, Spurn Head and Cape Fin Raz 47° and Nice 48°.
[The maxima yesterday were 65° in London, 64° at Loughborough and Ardrossan.]

WIND

N. (NW to NE) almost everywhere light in the west, fresh elsewhere.
In the south-east of France and at Lisbon it is W.

WEATHER

Fine and bright at the western station, cloudy or dull elsewhere, with rain in many places — chiefly over the eastern half of England, Belgium and the north-east of France. [Thunder occurred at Oxford and Paris yesterday.]

SEA

Moderate except in the west, where it is smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is an irregularly shaped area of low-pressure over Central Europe, and shallow subsidiary systems over the North Sea and in spreading the cold rainy weather to the eastern and north-eastern parts of our islands.
No important change is indicated at present.

FORECASTS

For the 24 hours ending at NOON on 28th May 1887.

DISTRICTS.

FORECASTS.

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

N^{ly} breezes moderate or fresh; some rain.

D^o ————— D^o

Same as N^o 5.

Same as N^o 5.

Same as N^o 5.

N^{ly} winds, moderate or fresh; rain at times, cold.

DISTRICTS.

FORECASTS.

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

N^{ly} winds, moderate; fair as a whole.

D^o ————— D^o

N^{ly} winds, light, fine.

D^o ————— D^o

D^o ————— D^o

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 ...	30.29	58	52	NW 6	bv	3	Holyhead ...	30.32	53	50	NNE 4	bcm	3
Sumburgh Head ...	30.44	51	50	NE 1	r	2	Valencia ...	30.25	62	54	ESE 4	bcm	4
Stornoway ...	30.38	54	53	NE 3	c	3	Scilly ...	30.16	54	50	ENE 6	bcm	5
Aberdeen ...	30.41	58	52	SE 2	bv	1	Dungeness ...	30.17	58	54	ENE 5	c	4
Shields ...	30.39	47	45	NNE 3	o	4	London ...	30.16	61	52	ENE 4	c	*
Ardrossan ...	30.37	63	54	NE 1	b	0	Yarmouth ...	30.22	54	52	ENE 5	b	4
Malin Head ...	30.37	54	52	ENE 2	o	1	Jersey ...	30.06	57	52	NE 4	bv	3
Mullaghmore ...	30.34	60	53	E 4	bv	2	Rocheport ...	30.03	60	52	NW 5	bv	2
Belmullet ...	30.35	62	54	SE 3	bv	*							

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

Continental Information not yet to hand.

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 May 1887.

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

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda	30.19	43	N	2	b	29.91	-.28	46	43	-.4		2	0	*	54	41	-	
Hernösand	30.20	46	Z	0	b	29.98	-.22	51	45	+.7	NNE	2	0	*	63	46	-	
Stockholm	30.06	50	NNE	2	b	29.93	-.18	52	47	+.1	NE	4	0	*	57	46	0.04	
Wisby	29.95	46	NE	6	b	29.86	-.17	51	48	-.4	E	4	0	*	61	43	0.35	
Bodö	30.29	43	W	2	0	30.01	-.42	41	39	+.1	WNW	6	0	3	45	39	0.04	
Christiansund	30.28	44	NNE	7	b	30.20	-.19	45	40	-.2	NNE	1	0	2	48	39	-	
Skudesnaes	30.03	60	WNW	2	b	29.99	-.18	60	54	-.2	WNW	2	0	2	75	?	-	
Christiania Fjord	30.05	62	NNE	4	b	29.99	-.15	55	49	-.2	N	4	0	1	63	54	-	
Skagen (The Scaw)	29.99	57	ESE	1	b	29.89	-.19	54	47	+.1	ESE	4	0	3	62	50	-	
Fanö	29.87	54	ESE	4	r	29.81	-.18	53	50	-.1	NE	4	0	*	63	48	0.04	
BRITISH ISLANDS.																		
Sumburgh Head	30.29	46	NE	4	c	30.22	-.09	49	45	+.2	NE	4	0	5	51	41	-	
Stornoway	30.31	50	E	5	c	30.25	-.11	52	45	-.2	E	4	0	4	56	42	-	
Wick	30.30	46	NNE	5	0	30.24	-.09	49	47	-.1	NNE	4	0	3	52	42	-	
Nairn	30.31	48	E	2	0	30.25	-.08	46	43	-.7	NE	3	0	4	56	42	-	
Aberdeen	30.22	49	N	5	0	30.18	-.09	46	44	-.3	N	6	0	4	54	43	-	
Leith	30.19	49	NE	3	0	30.17	-.07	49	45	-.3	NE	4	0	5	54	44	-	
Shields	30.10	46	N	4	om	30.08	-.08	45	44	-.2	NNE	5	0	5	48	43	-	
Spurn Head	29.98	48	NNE	4	r	29.93	-.11	47	47	0	N	6	0	4	49	45	0.33	
York	30.06	49	N	2	0	30.01	-.11	48	46	-.1	N	4	0	*	56	44	0.07	
Loughborough	29.99	49	NNE	3	r	29.95	-.12	46	46	-.1	NNE	3	0	*	51	45	0.16	
Ardrossan	30.14	60	E	4	om	30.12	-.12	53	47	-.2	ESE	4	0	2	67	46	-	
Malin Head	30.15	52	NNE	3	em	30.13	-.13	51	50	-.2	E	3	0	3	55	47	-	
Mullaghmore	30.14	58	NE	5	0	30.07	-.19	57	53	+.2	ESE	3	0	2	61	50	-	
Belmullet	30.17	55	NNE	6	b	30.07	-.21	56	53	+.1	NE	6	0	*	57	49	-	
Donaghadee	30.12	55	NE	2	c	30.09	-.15	52	50	-.1	NE	3	0	1	60	47	-	
Barrow-in-Furness	30.06	56	NE	1	0	30.03	-.12	50	47	-.3	NE	3	0	*	64	47	-	
Liverpool (Bidston)	30.05	51	NE	2	r	30.00	-.14	49	46	-.2	NE	3	0	3	54	46	0.15	
Holyhead	30.06	52	NNE	3	rm	30.02	-.16	53	49	+.2	NE	4	0	3	53	48	-	
Parsonstown	30.09	62	NE	1	c	30.02	-.22	57	52	+.2	E	1	0	*	65	47	-	
Valencia	30.06	61	N	3	b	29.96	-.25	56	53	-.3	NE	3	0	4	65	53	-	
Roche's Point	30.07	56	SE	2	c	29.95	-.26	52	50	-.1	E	4	0	4	65	50	-	
Pembroke	29.99	54	NNE	5	0	29.93	-.21	50	49	-.2	ESE	3	0	3	56	50	-	
Scilly	29.96	52	ESE	5	0	29.86	-.26	52	50	-.2	ESE	5	0	4	55	49	-	
Prawle Point	29.94	51	NE	2	0	29.90	-.16	49	49	-.6	ESE	4	0	2	57	50	0.01	
Jersey	29.94	50	NW	4	om	29.87	-.15	51	50	-.1	ESE	2	0	2	52	47	-	
Hurst Castle	29.91	51	NNE	1	r	29.90	-.12	53	52	+.7	E	1	0	1	53	46	0.05	
Dungeness	29.87	53	ESE	4	c	29.90	-.00	50	49	+.2	E	1	0	1	55	47	-	
London	29.92	52	NE	2	sp	29.91	-.05	51	49	+.5	Z	0	0	*	52	46	0.09	
Oxford	29.96	49	N	3	r	29.93	-.11	48	47	+.2	NE	2	0	*	51	45	0.08	
Cambridge	29.94	50	N	1	0	29.90	-.09	50	49	+.2	N	1	0	*	52	46	0.09	
Yarmouth	29.93	50	NE	3	og	29.87	-.08	50	49	+.1	WNW	1	0	3	60	47	0.05	
Cuxhaven	29.89	52	NE	2	r	29.78	-.16	53	53	+.1	NNE	2	0	*	54	50	0.46	
Berlin	29.78	54	W	2	r	29.74	-.16	54	53	-.3	SW	1	0	*	61	52	0.83	
Wiesbaden	*	*	*	*	*	29.88	00	53	50	-.1	SE	3	0	*	66	43	-	
Mannich	29.81	49	W	5	0	29.87	+.02	45	44	+.2	SW	5	0	*	61	43	0.39	
FRANCE & NETHERLANDS.																		
The Helder	29.90	52	NE	1	0	29.86	-.05	51	50	0	WNW	1	0	2	57	50	0.12	
Brussels	*	*	*	*	*	29.88	+.03	51	50	+.1	WNW	4	0	*	61	46	-	
Cape Gris Nez	29.87	52	NE	4	b	29.91	+.03	48	48	+.1	NE	1	0	1	55	46	-	
Paris	29.90	54	W	1	r	29.93	+.02	44	44	-.3	Z	0	0	*	57	40	0.04	
Brest	29.98	55	N	5	b	29.86	-.21	50	45	-.5	SE	4	0	3	64	45	-	
Lorient	29.96	58	NNE	4	b	29.87	-.17	48	46	-.2	E	3	0	2	61	43	-	
Rochefort	29.99	59	NW	4	b	29.88	-.15	54	52	+.3	ESE	4	0	2	64	45	-	
Belfort	29.87	55	W	1	c	29.96	+.12	56	52	+.5	W	1	0	*	61	45	0.08	
Lyons	29.95	53	ESE	1	b	29.95	+.03	48	44	+.4	SW	1	0	*	59	41	0.04	
Nice	29.83	55	E	3	b	29.88	+.03	55	52	+.7	Z	0	0	2	63	45	-	
Perpignan	29.95	63	NW	3	b	29.88	-.10	55	53	+.2	NW	3	0	*	68	48	-	
Biarritz	29.96	59	NE	4	c	29.76	-.26	55	50	+.1	ESE	5	0	1	61	52	-	
Corunna	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lisbon	29.93	61	SW	5	0	29.82	-.18	59	58	-.2	SW	5	0	3	66	59	0.28	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Saturday, 28th May,

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

→ = forces 5 to 7; → = forces 1 to 4;

○ = dead calm.

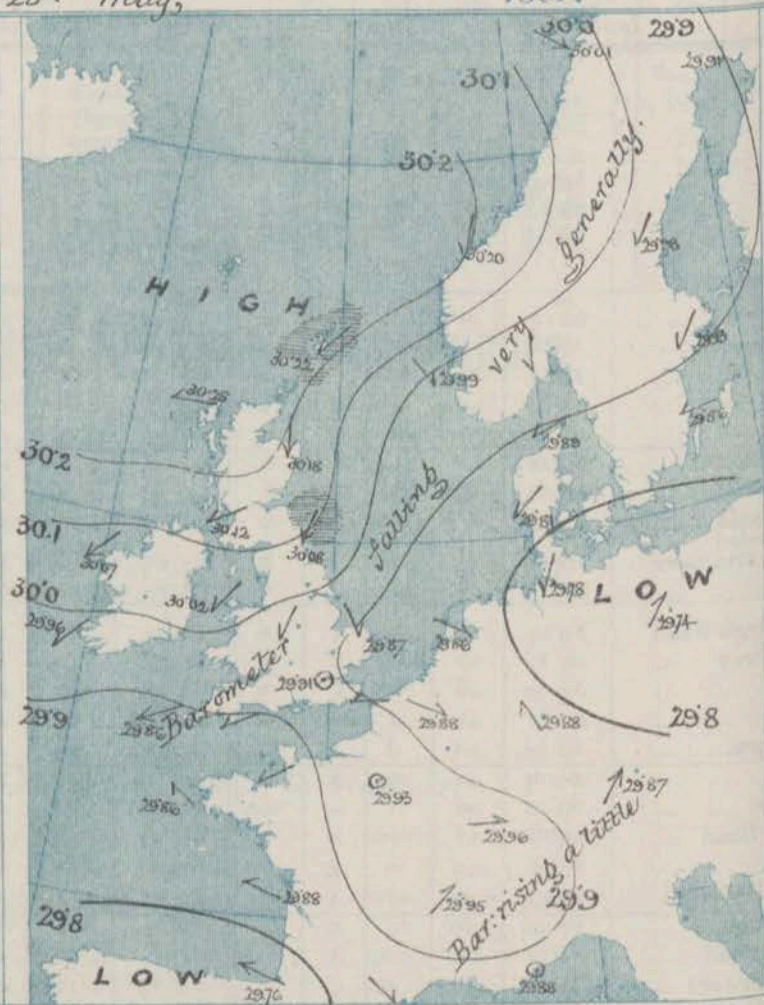
Sea Disturbance — where considerable is shown thus

— Rough. — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.806
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	29.989
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



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

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

Weather — is shown by Letters of the Beaufort Scale.

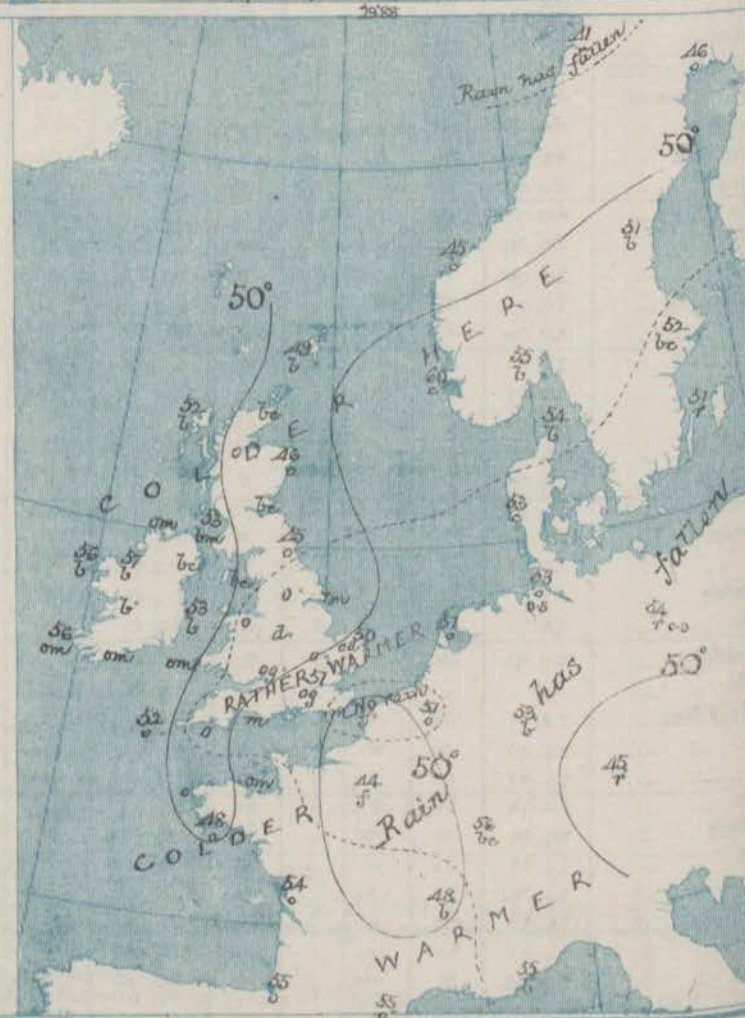
Rainfall. A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May

STATIONS	TEMPERATURE				RAINFALL. (Inches)
	Daily Max.	Daily Min.	Average Dry.	Average Wet.	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.64
Wick	53.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	56.6	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	46.3	51.7	48.6	3.05
Pembroke	55.6	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.6	50.1	1.66
Hurst Castle	58.0	45.2	51.2	49.9	1.70
Dover	56.3	46.4	52.5	49.9	1.77
LONDON	61.5	48.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.9	41.8	50.7	47.6	1.76
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins. and upwards, in an anticyclone lying to the northward of our Islands and the westward of Norway.
Lowest, 29.8 ins. and less, over the northern part of Germany and Spain.
The two low pressure areas are separated by a band of relatively high readings, which extends SE. from the SE. of England to the SE. of France.

TEMPERATURE

Highest, 60° at Skudonog, 59° at Lisbon, 57° at Mullaghmore and Larne, and 56° at Belmullet, Valencia and Belfort.
Lowest, 41° at Bodø, 44° at Paris, and 45° at Christiansund, Shields and Marseilles.

WIND

Fresh or strong from N. on the east coast of Great Britain.
Light or moderate SW over Germany and the east of France.
Moderate from E. or NE. in most other localities.

WEATHER

Fine in the north and north-east of our Islands, the east of France and many parts of Scandinavia.
Cloudy or overcast elsewhere, with rain in Germany and the east of England.
[Ran fell yesterday at most of our eastern and southern stations.]

SEA

Rather rough at Lumburghs Hd and Shields, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer continues to fall generally, but the anticyclonic system to the northward of our Islands is inclined to spread southwards, and a gradual improvement in the weather is therefore probable over England.
At Bodø there are indications of the advance of a depression from the W. This is likely to move south-eastwards or southwards, and occasion rain at many of the Scandinavian stations.

FORECASTS

For the 24 hours ending at NOON on 29th May.

1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	N ^{ly} winds, fresh; dull, some showers
1	SCOTLAND EAST	D° D° D°
2	ENGLAND N.E.	D° D° D°
3	ENGLAND EAST	D° D° D°
4	MIDLAND COUNTIES	Same as N° 5.
5	ENGLAND SOUTH	NE ^{ly} winds, light or moderate; dull at first with some rain, then improving gradually.



DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NE ^{ly} and N ^{ly} winds, moderate; fair generally.
7	ENGLAND N.W.	D° D° D°
8	ENGLAND S.W.	NE ^{ly} winds, moderate; dull to fair.
9	IRELAND NORTH	Same as N° 6
10	IRELAND SOUTH	Same as N° 6.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.11	55	61	NW 2	0	2	Holyhead ...	30.10	53	51	NNE 3	C	2
Sumburgh Head ...	30.31	49	47	NE 5	0	5	Valencia ...	30.12	64	58	N 4	cm	4
Stornoway ...	30.20	52	51	NE 5	C	5	Scilly ...	30.05	54	51	NE 4	om	4
Aberdeen ...	30.25	54	51	N 5	0	3	Dungeness ...	29.88	53	51	NE 4	0	2
Shields ...	30.14	47	46	N 4	odp	3	London ...	29.93	52	51	NE 2	0	*
Ardrossan ...	30.15	66	57	E 4	C	2	Yarmouth ...	29.94	50	49	NE 4	omg	4
Malin Head ...	30.19	53	51	NNE 3	0	1	Jersey ...	30.00	51	48	NW 3	0	3
Mullaghmore ...	30.17	60	55	NE 5	C	3	Rochefort ...	30.01	63	57	NW 5	0	2
Belmullet ...	30.21	55	52	NNE 4	C	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that pressure remained highest off the northwestern coast of Europe, while it was lowest over Austria-Hungary, Germany and the east of France. The gradients were moderate to the northward of this high pressure area, but very slight to the S. and S.W., so that while moderate to fresh N. and N.E. winds were experienced over Northwestern and western Europe, with cold rain in many places, but clear skies in the north and west, the winds reported over the Mediterranean and Central Europe were extremely light and variable, and the weather cloudy or foggy. Temperature remained very low over England and France, but was higher elsewhere. The highest individual readings were 75° at Oran (Algeria), 71° at Moscow and Kiev, 70° at Kharkov, and Nicolaieff, 68° at Odessa and Minsk, 66° at St. Petersburg, 65° at Brindisi, 64° at Palma, 63° at Malta, 62° at Skudesnaes, and 59° at Valencia, Ireland; the lowest 40° at Rodé, 43° at Munich, 44° at Lyons, 46° in London and several other parts of England, and 47° at Shields, Linn 11½ and Loughborough.

Later in the day the sky became cloudy in Ireland, but remained clear over Scandinavia. The rain became less prevalent in the east and south east of our islands than at dawn, but the sky continued very cloudy.

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 Sunday 29th May 1887.

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

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

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.									PAST 24 HOURS.		
	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 ..	29.94	40	N	6	bc	30.06	+15	42	37	-4	N	8	bc	*	54	34	-	
Hernösand ...	29.94	52	N	2	bc	30.14	+16	43	37	-8	NE	6	b	*	64	36	-	
Stockholm ...	29.88	51	E	2	o	29.89	-04	52	45	0	N	6	o	*	61	39	-	
Wisby ...	29.84	48	ESE	4	o	29.77	-09	43	39	-8	ESE	4	T	*	57	43	0.39	
Bodö ...	30.19	38	NNE	6	c	30.25	+24	39	37	-2	ESE	2	o	1	41	34	-	
Christiansund...	30.22	45	NNE	8	o	30.21	-01	42	37	-3	ESE	4	o	2	48	37	-	
Skudesnaes ...	29.82	51	NW	2	m	29.95	-04	57	50	-3	ESE	2	c	2	61	?	-	
Christiania Fjord (Farder)	29.82	62	NNE	4	bc	30.00	+01	48	42	-7	N	8	b	3	63	48	-	
Skagen (The Scaw)	29.78	55	S	0	b	29.90	+01	54	49	0	NE	3	b	3	?	48	-	
Fanö ...	29.77	53	NE	2	c	29.82	+01	57	51	+4	NE	4	b	*	61	46	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.15	47	NE	4	c	30.10	-12	46	41	-3	NE	5	b	6	54	41	-	
Stornoway ...	29.91	51	NE	3	o	30.17	-08	46	45	-6	NE	3	ou	3	53	44	-	
Wick ...	30.20	50	N	5	o	30.15	-09	49	45	0	NNE	5	bc	3	55	42	-	
Nairn ...	30.18	51	ESE	2	c	30.17	-08	46	43	0	ESE	3	o	4	56	43	-	
Aberdeen...	30.13	50	N	6	o	30.07	-11	47	43	+1	N	7	cq	5	55	43	-	
Leith ...	30.11	49	ESE	3	c	30.08	-09	49	44	0	ESE	4	bc	*	63	44	-	
Shields ...	30.05	47	N	5	o	30.02	-06	45	43	0	N	3	o	4	49	42	-	
Spurn Head ...	29.97	47	N	6	o	29.97	+04	47	45	0	N	4	cp	5	48	44	0.07	
York ...	30.03	52	N	4	c	30.00	-01	46	43	-2	N	2	o	*	56	43	-	
Loughborough	29.96	49	NNE	3	o	29.93	+03	47	45	+1	NNE	2	o	*	50	44	0.09	
Ardrossan ...	30.06	60	NE	3	b	30.05	-07	52	46	-1	NE	4	b	2	67	42	-	
Malin Head ...	30.07	53	ESE	2	o	30.04	-09	48	46	-3	E	3	om	2	55	47	-	
Mullaghmore ...	30.03	61	ESE	5	b	30.02	-05	51	48	-6	E	4	b	4	65	47	-	
Belmullet ...	30.03	59	NE	6	b	29.99	-08	57	52	+1	ESE	3	b	*	60	48	-	
Donaghadee ...	30.05	56	SW	2	b	30.06	-03	57	46	-1	E	4	b	2	60	47	-	
Barrow-in-Furness	29.98	63	NE	4	bc	29.99	-04	50	45	0	NE	3	bc	*	65	45	-	
Liverpool (Bidston)	29.98	55	E	2	b	30.00	-00	48	43	-1	ESE	3	o	2	59	44	-	
Holyhead ...	29.99	53	NNE	3	b	29.96	-06	50	47	-3	ESE	5	bc	4	55	46	-	
Parsonstown ...	29.98	61	E	1	b	29.98	-04	51	47	-6	NE	1	og	*	65	44	-	
Valencia...	29.94	54	SSE	2	o	29.91	-05	56	53	0	NE	2	cm	3	56	50	0.20	
Roche's Point...	29.96	51	E	4	o	29.91	-04	50	50	-2	ESE	4	rm	4	52	49	0.05	
Pembroke ...	29.93	50	SE	2	m	29.91	-02	49	47	-1	ESE	4	o	3	53	49	-	
Seilly ...	29.87	53	ESE	3	o	29.84	-02	52	51	0	E	4	T	4	56	48	0.04	
Prawle Point ...	29.89	51	NNE	2	o	29.87	-03	52	52	+2	ESE	5		4	56	49	0.04	
Jersey ...	29.85	57	ESE	3	bc	29.79	-08	53	52	+2	ESE	5	ogrm	4	62	51	0.02	
Hurst Castle ...	29.90	57	E	1	b	29.90	-00	50	48	-3	ESE	3	o	1	58	46	-	
Dungeness ...	29.90	55	S	1	b	29.89	-01	50	49	0	ESE	3	c	2	57	48	0.01	
London ...	29.91	55	ESE	1	og	29.94	+03	50	48	-1	NE	2	o	*	58	45	0.04	
Oxford ...	29.94	49	NNE	2	T	29.96	+03	46	44	-2	NE	3	o	*	52	44	0.01	
Cambridge ...	29.95	49	N	0	o	29.95	+05	48	46	-2	N	1	o	*	54	44	0.13	
Yarmouth ...	29.91	50	N	2	c	29.92	+05	49	48	-1	NNE	4	c	2	51	45	0.01	
Cuxhaven ...	29.78	48	N	3	T	29.77	-01	53	52	0	NNE	3	b	*	53	48	0.06	
Berlin ...	29.73	55	W	3	T	29.76	+02	55	53	+1	NNE	2	o	*	59	52	0.12	
Wiesbaden ...	*	*	*	*	*	29.87	-01	56	53	+3	N	2	b	*	68	46	-	
Munich ...	29.92	51	W	2	o	29.95	+08	55	51	+10	SW	2	b	*	57	43	0.16	
FRANCE & NETHERLANDS.																		
The Helder ...	29.85	50	NNE	1	c	29.89	+03	52	50	+1	NNE	1	b	2	52	48	0.12	
Brussels ...	*	*	*	*	*	29.89	+01	50	49	-1	W	1	o	*	62	46	-	
Cape Gris Nez...	29.91	54	NE	1	b	29.88	-03	49	48	+1	NE	5	o	3	61	46	-	
Paris ...	29.87	63	ESE	1	b	29.86	-07	54	53	+10	NE	1	o	*	68	47	-	
Brest ...	29.86	57	N	3	bc	29.80	-06	51	51	+1	NE	1	o	2	63	43	-	
Lorient ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
Rochefort ...	29.86	55	SE	5	T	29.84	-04	57	56	+3	SW	4	o	2	63	50	0.04	
Belfort ...	29.86	61	W	1	b	29.90	-06	59	55	+3	W	1	b	*	64	40	-	
Lyons ...	29.84	61	S	4	c	29.88	-07	54	52	+6	S	3	o	*	66	?	-	
Nice ...	29.85	55	S	4	c	29.96	+08	89	85	+4	NW	1	b	2	66	50	-	
Perpignan ...	29.83	60	NE	1	o	29.84	+04	59	58	+4	NE	1	o	*	64	?	-	
Biarritz ...	29.78	59	NNE	1	T	29.82	+06	59	?	+4	S	0	o	0	66	52	0.24	
Corunna ...	*	*	*	*	*	29.81	+05	64	62	+3	S	1	b	3	66	50	-	
Lisbon ...	29.86	60	SW	5	c	29.83	+01	60	58	+1	S	5	o	2	63	57	-	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Sunday 29th May, 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

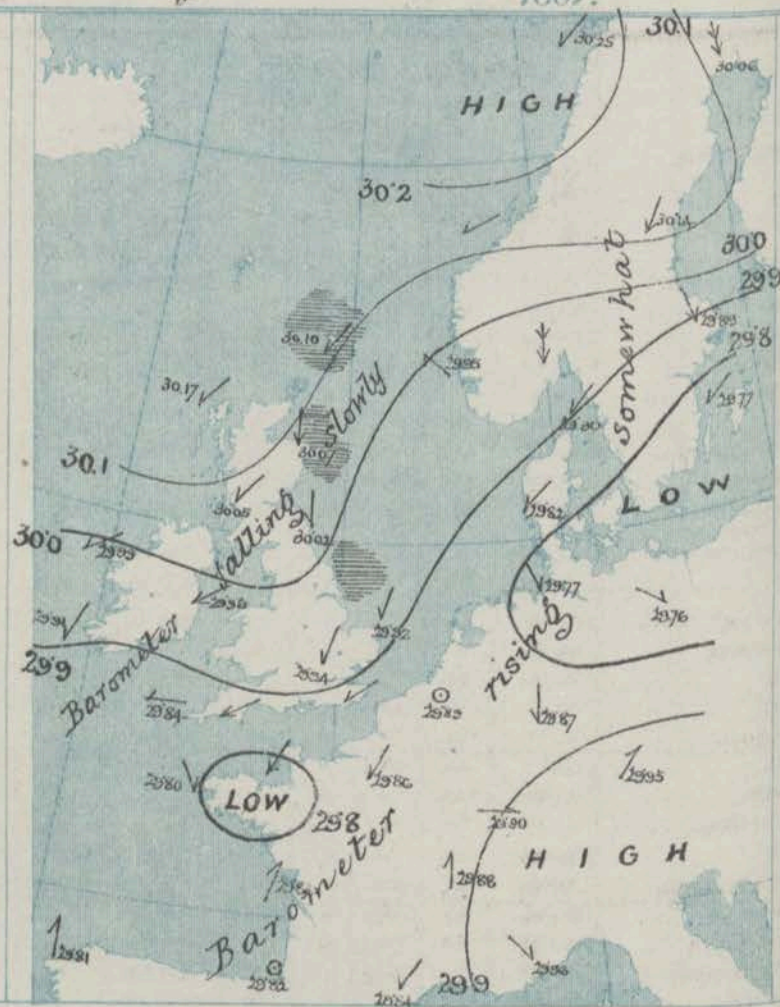
Sea Disturbance — where considerable is shown thus

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.896
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.958
Leith	29.968
Shields	29.981
York	29.987
Ardrossan	29.974
Donaghadee	29.981
Holyhead	29.987
Liverpool	30.006
Valencia	29.991
Rocha's Point	29.989
Pembroke	30.011
Scilly	29.994
Hurst Castle	29.984
Dover	29.997
LONDON	29.996
Oxford	29.995
Cambridge	29.984
Yarmouth	



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in. and upwards, over the north of Norway and to the northward of Scotland.
Lowest 29.8 in. in a large area lying over the Baltic and North Germany as well as in depressions lying respectively over the northwest of France and off the northwest of Spain.

TEMPERATURE

Highest, 64° at Comma, 60° at Lisbon and 59° at Belfort, Biarritz, Nice and Perpignan.
Lowest 30° at Bodo, 42° at Haparanda and Christianund, 43° at Helsingfors and 45° at Shields.

WIND

Moderate to strong from N.E. or N. over Scandinavia, the North Sea & the eastern parts of Great Britain.
Moderate from E. on our western coast; variable in France; light from W. or S.W. in Germany.

WEATHER

Fine on our north and northwest coast as well as in Sweden, Denmark and South Germany.
Cloudy or overcast elsewhere, with rain in the western part of the Channel.
[Slight rain fell yesterday at all our more southern stations.]

SEA

Rough at Lumburg Head and rather rough at Aberdeen, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which was approaching the north of Norway yesterday has moved away southwards and in its rear the anticyclone off our northern coast has spread northwards to the north of Norway.

The barometer, however, continues to fall over the greater part of our islands and France.

FORECASTS

for the 24 hours ending at NOON on 30th MAY 1887.

DISTRICTS.

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

FORECASTS.

ISSUED
NONE

DISTRICTS.

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

FORECASTS.

ISSUED
NONE

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 N. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.92	60	53	WNW 2	b	2	Holyhead ...	30.01	53	50	N.E. 3	b	3
Sumburgh Head ...	30.17	54	50	N.E. 3	bc	4	Valencia ...	29.95	56	54	ESE 4	sm	4
Stornoway ...	30.21	53	51	E 3	b	2	Scilly ...	29.87	53	52	E 3	0	4
Aberdeen ...	30.16	55	48	N 7	b	5	Dungeness ...	29.91	57	53	S 1	b	1
Shields ...	30.07	49	47	N.W. 5	0	5	London ...	29.91	55	52	N.W. 2	0	*
Ardrossan ...	30.08	64	56	N.E. 4	b	2	Yarmouth ...	29.90	51	50	N 2	sm	3
Malin Head ...	30.09	53	50	N.W. 3	0	2	Jersey ...	29.87	59	54	N.E. 3	bc	3
Mullaghmore ...	30.01	62	56	E 5	b	4	Rocheport ...	29.88	61	56	S.E. 4	T	2
Belmullet ...	30.05	57	53	N.E. 6	b	*							

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

The reports for yesterday showed that pressure was still highest off the north-western coasts and lowest over Central and Southern Europe. Further to the southward it was higher again. Within the limits of this large low-pressure area there were several shallow minima, one of which lay over North Germany and another over the north of Spain. Thus, while the prevalent winds over Northern and North-western Europe were N.E., those over France and Spain were very variable, owing to the mingling of the E. and W. wind-currents in those regions. The weather was dull and rather showery over the Continent and the south-eastern parts of England, but was fine in Ireland and Scotland. In Germany the rainfall measured at 8 a.m. was large. Temperature remained very low over the British Islands and France and was beginning to give way over Western Russia, Poland and Hungary. Over the southern parts of the Mediterranean, however, it was increasing. The highest individual readings were 79° at Biskra (Algeria), 72° at Moscow, 70° at Odessa, 68° at Palermo, Kiev and Kharkov, 67° at Palma, 66° at Brindisi, 65° at Constantinople and 64° at Cagliari; the lowest were 40° at Archangel, 41° at Bodo, 43° at Haparanda, 44° at Paris, 45° at Christiansund, 46° at Haparanda, Naim, Aberdeen and Soughborough, 47° at Skerries Head, Ardrossan and Barrow, and 48° at Cape Gris Nez, Lorient and Lyons.

Very 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).

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DAILY WEATHER REPORT.

for

Monday 30th May

1887.

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

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)		SHADE TEMP.		Amount of Rainfall.
			Dir.	Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)				Max.	Min.	
SCANDINAVIA.																			
Haparanda ...	30.21	39	N	6	c		30.24	+1.8	39	33	-3	N	4	bc	*		46	30	
Hernösand ...	30.20	44	ESE	4	b		30.24	+1.10	44	38	+1	ESE	2	b	*		55	41	
Stockholm ...	30.01	43	NE	6	b		30.06	+1.7	47	41	-5	NE	8	b	*		52	41	
Wisby ...	29.89	41	ESE	6	o		29.91	+1.14	43	41	0	NNE	4	o	*		46	41	0.32
Bodo ...	30.25	40	N	4	c		30.15	-1.10	41	38	+2	SE	2	b	1		?	33	
Christiansund ...	30.14	43	NNE	7	b		30.10	-1.1	49	44	+7	Z	0	b	3		?	36	
Skudesnaes ...	30.09	53	NNE	2	c		30.15	+1.20	54	50	-3	SE	2	c	2		57	52	
Christiania Fjord (Ferder) ...	30.09	54	ESE	4	b		30.21	+1.21	50	41	+2	NNE	2	bc	1		55	48	
Skagen (The Scaw)	30.04	53	E	1	b		30.17	+1.27	50	42	-4	E	2	b	2		61	45	
Faro ...	30.04	52	Z	0	b		30.12	+1.30	54	48	-3	E	4	b	*		63	46	
BRITISH ISLANDS.																			
Sumburgh Head	30.11	47	NE	5	c		30.15	+1.05	45	41	-1	ESE	1	o	3		49	40	
Stornoway ...	30.20	47	NE	3	b		30.10	-1.07	45	44	-1	NE	3	c	3		50	44	
Wick ...	30.13	46	NNE	5	o		30.16	+1.01	46	44	-3	NNE	2	o	1		49	42	
Nairn ...	30.12	48	ESE	2	bc		30.16	-1.01	45	43	-1	ESE	1	c	2		58	43	
Aberdeen ...	30.07	47	N	6	o		30.14	+1.07	48	47	+1	N	2	o	2		50	44	0.03
Leith ...	30.06	49	ESE	4	bc		30.12	+1.04	47	46	-2	ESE	1	o	*		52	44	
Shields ...	30.01	47	N	2	o		30.10	+1.08	48	46	+3	NNE	2	o	4		49	42	
Spurn Head ...	29.99	49	NNE	3	bc		30.05	+1.08	47	47	0	NNE	4	f	4		50	45	0.01
York ...	30.01	48	N	2	o		30.09	+1.09	46	45	0	NNE	1	o	*		53	38	
Loughborough	29.97	50	NNE	3	o		30.04	+1.06	46	45	-1	NNE	2	ogp	*		52	44	0.01
GERMANY.																			
Ardrossan ...	30.01	59	NE	2	b		30.10	+1.05	49	47	-3	NE	3	om	2		60	44	
Malin Head ...	30.03	54	N	2	o		30.08	+1.04	50	46	+2	ESE	3	o	2		55	43	
Mullaghmore ...	30.00	56	E	5	b		30.08	+1.06	51	48	0	ESE	4	bw	2		59	44	
Belmullet ...	30.01	55	NE	4	b		30.09	+1.10	54	49	-3	NNE	1	b	*		59	44	
Donaghadee ...	30.03	52	E	2	b		30.09	+1.03	47	45	-4	E	3	o	1		55	45	
FRANCE & NETHERLANDS.																			
Barrow-in-Furness	30.00	51	NE	3	c		30.06	+1.07	48	44	-2	ESE	3	bc	*		56	46	
Liverpool (Bidston)	29.99	49	ESE	3	o		30.05	+1.05	48	44	0	E	2	o	2		53	45	
Holyhead ...	29.97	52	ESE	5	bm		30.03	+1.07	54	49	+4	ESE	1	bm	2		54	47	
Parsonstown ...	29.97	54	NE	1	b		30.06	+1.08	50	46	-1	Z	0	o	*		59	39	
Valencia ...	29.93	55	SSE	3	om		30.02	+1.1	56	53	0	E	1	bm	0		57	44	
Roche's Point...	29.95	52	SE	2	bc		30.00	+1.09	51	48	+1	E	4	om	4		54	46	0.01
Pembroke ...	29.92	52	SE	2	c		30.00	+1.09	49	48	0	E	1	m	1		54	46	
Scilly ...	29.85	50	ESE	4	r		29.93	+1.09	51	50	-1	E	4	o	4		52	48	0.66
Prawle Point ...	29.88	49	ESE	6	o		29.96	+1.09	52	50	+5	ESE	5	om	4		53	47	0.05
Jersey ...	29.83	53	E	4	omp		29.90	+1.1	51	51	-2	ESE	4	of	3		55	50	0.02
SPAIN.																			
Hurst Castle ...	29.91	51	E	1	rm		29.97	+1.07	51	50	+1	ESE	1	m	1		57	48	0.03
Dungeness ...	29.89	50	E	5	c		29.91	+1.02	51	51	+1	NE	3	c	1		56	48	0.14
London ...	29.92	53	ESE	3	ST		29.98	+1.04	49	47	-1	ESE	2	ogm	*		59	47	0.01
Oxford ...	29.96	50	NE	3	o		30.02	+1.06	46	46	0	NE	2	od	*		54	46	0.02
Cambridge ...	29.98	39	N	1	o		30.00	+1.05	49	48	+1	N	1	o	*		55	44	0.03
ITALY.																			
Yarmouth ...	29.96	50	NE	4	c		29.99	+1.07	51	50	+2	NE	3	om	3		53	46	
Cuxhaven ...	29.92	48	ESE	3	r		30.08	+1.31	54	52	+1	E	2	b	*		55	48	0.02
Berlin ...	29.99	50	N	4	o		30.09	+1.33	50	44	-5	NNE	2	b	*		59	45	
Wiesbaden ...	*	*	*	*	*		29.97	+1.10	59	57	+3	NE	1	o	*		72	46	0.08
Munich ...	29.93	60	Z	0	c		30.02	+1.07	58	56	+3	W	3	o	*		?	48	0.75
PORTUGAL.																			
The Helder ...	29.95	52	NE	3	c		30.01	+1.12	53	52	+1	E	3	o	3		57	50	
Brussels ...	*	*	*	*	*		29.92	+1.03	61	57	+11	E	1	o	*		64	?	0.04
Cape Gris Nez...	29.88	49	ESE	5	o		29.89	+1.01	51	51	+2	NE	3	r	2		55	48	0.12
Paris ...	29.87	58	S	1	o		29.94	+1.08	55	55	+1	Z	0	f	*		66	48	0.12
Brest ...	29.85	58	W	3	b		29.93	+1.13	51	50	0	N	3	o	3		64	43	
AFRICA.																			
Lorient ...	29.84	57	ESE	3	bc		29.91	+1.06	52	51		Z	0	o	2		64	48	
Rochefort ...	29.91	62	NW	7	bc		29.90	+1.08	59	58	+2	ESE	3	c	1		68	50	0.12
Belfort ...	29.94	62	W	3	r		29.98	+1.08	58	50	-1	W	1	r	*		65	39	0.87
Lyons ...	29.90	63	S	1	c		29.96	+1.08	56	53	+2	SSE	1	c	*		71	51	
Nice ...	29.95	58	E	1	b		30.02	+1.06	61	55	+3	Z	0	b	4		66	50	
ASIA.																			
Perpignan ...	29.91	59	NE	3	o		29.97	+1.13	59	58	0	NE	1	r	*		63	57	
Biarritz ...	29.90	64	ESE	4	c		29.89	+1.07	61	59	+2	Z	0	o	0		72	57	
AMERICA.																			
Corunna ...	*	*	*	*	*														
Lisbon ...	29.82	60	W	5	bc		29.89	+1.06	59	58	-1	E	5	o	3		66	57	0.16

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts.

WEATHER CHARTS

for 8 a.m. on Monday 30th May 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

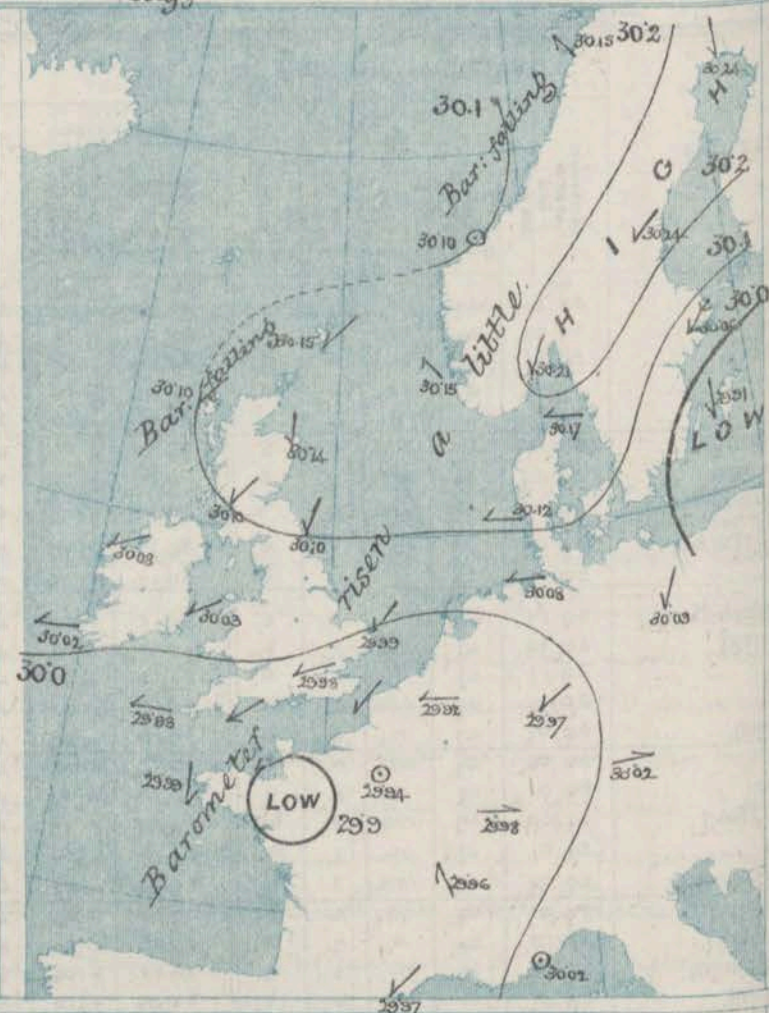
Sea Disturbance — where considerable is shown thus

— Rough. — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.896
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.936
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.967
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	29.989
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



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

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

Weather — is shown by Letters of the Beaufort Scale.

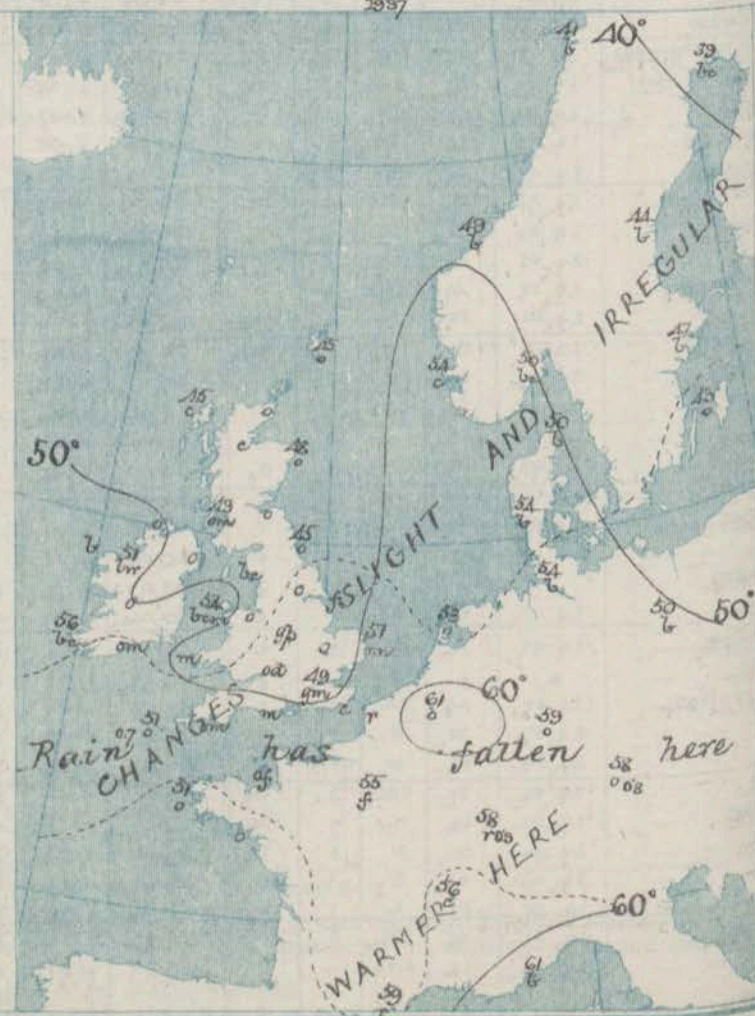
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of May

STATIONS	TEMPERATURE				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.64
Wick	53.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.0	42.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	56.6	44.3	49.5	46.0	2.20
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	58.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	46.3	51.7	48.6	3.06
Pembroke	55.6	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.6	50.1	1.66
Hurst Castle	58.0	45.2	51.2	49.9	1.70
Dover	56.3	46.4	52.5	49.0	1.77
LONDON	61.6	43.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.9	41.8	50.7	47.6	1.76
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	{ Highest, 30.2 ins. and upwards, over Sweden, but high 30.1 ins. and upwards over the whole of Scandinavia and the greater part of the North Sea. Lowest, 29.9 ins. at Jersey; relatively low, 30.0 ins. & less over France, the Netherlands and the south of England.
TEMPERATURE	{ Highest, 61° at Brussels and Tice, 59° at Wiesbaden and Strasbourg, 58° at Tinnich & 56° at Valencia & Lyon. Lowest, 39° at Haparanda, 41° at Bodö, 43° at Wroty, 54° at Hornsund and 45° at Sumburgh Head, Stornoway and Narvik.
WIND	{ NE ^{ly} or E ^{ly} over Scandinavia, Denmark, the Netherlands & the whole of the British Islands; light or moderate in force generally. Variable in Germany and the greater part of France.
WEATHER	{ Fine in the west of Ireland and also in Scandinavia and Denmark. Cloudy or overcast elsewhere, with mist or fog at several of the eastern & northern stations & drizzling rain over Central England. [Rain fell yesterday in the south and east of England and the north of France]
SEA	{ Moderate on several parts of our E. & S. and south coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large anticyclonic system which lay to the northward of our islands yesterday, has extended southwards and south-eastwards and the barometer is now rising in all districts excepting the Hebrides and west of Norway. The depression over the northwest of France is apparently falling up.

The anticyclone will probably continue to move southwards and an improvement in the weather may therefore be expected over England. The change is however likely to be very gradual, and no decided rise in temperature is probable at present.

FORECASTS

for the 24 hours ending at NOON on 31st MAY 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	NE ^{ly} to variable breezes, fair generally.	6 { SCOTLAND WEST	E ^{ly} winds, light or moderate; fair generally.
1 { SCOTLAND EAST	..... D ^{ly} D ^{ly} D ^{ly}	7 { ENGLAND N. W.	..... D ^{ly} D ^{ly} D ^{ly}
2 { ENGLAND N. E.	Same as N ^o 5.	8 { ENGLAND S. W.	Same as N ^o 5.
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	NE ^{ly} and E ^{ly} winds; dull and misty at first, with local showers, then fair.	WARNINGS NONE ISSUED.	

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnes ...	30.06	56	50	WNW 4	0	2	Holyhead ...						
Sumburgh Head ...							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						*
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rochefort ...	29.89	64	59	NW 4	1	2
Belmullet ...													

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

The Continental Reports have not yet arrived.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 22ND TO THE 28TH MAY 1887.

The weather experienced during this week has been cold and showery, so far as England (and especially the eastern and southern counties) are concerned; the winds have been NW to NE, some night frosts have occurred, and except on the 26th, the daily maxima have been mostly below 60°. In Ireland and Scotland the conditions have been better.

The week commenced with pressure as high as 30.5 ins off the north-west of Spain and nearly 30.1 ins at Valencia, whence it decreased steadily in a north-easterly direction. A rather shallow depression had advanced north-westwards to the south of Sweden from Germany, and shallow subsidiary systems lay over the North Sea. Cold NW winds and cloudy showery weather were therefore prevalent, with hail in several places and thunder in the south and south-east; the night was clear and frosty. During the succeeding two or three days, however, the barometer rose decidedly over the United Kingdom and France, and while the anticyclone area in the west moved northwards the depression in the east was confined to the eastern shores of the North Sea, and the weather over the British Isles became drier, and much warmer in Ireland and Scotland though still cold over England. At 8 a.m. on Thursday, 26th, the anticyclone's centre lay to the north-westward of the Hebrides, and for a few hours no depression appeared. The NE winds lulled, the sky cleared and temperature rose so that maxima were recorded as high as 64° to 68° over many parts of England - but not on our north-east and east coasts. Fresh (but shallow) depressions now appeared in the east and south, and the remainder of the week was dull showery and cold in those regions, while in the east of Scotland the wind blew very strongly from the Nth at times.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Tuesday 31st May

1887.

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

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STATIONS.		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																			
Haparanda	30.10	40	Z	0	b	30.00	-.24	44	39	+ 5	S	2	b	*	45	34	-		
Hernösand	30.12	41	Z	0	b	30.04	-.20	48	42	+ 4	S	4	b	*	51	34	-		
Stockholm	30.09	41	N	4	b	30.05	-.01	49	42	+ 2	N	2	b	*	?	34	-		
Wisby	30.07	42	ENE	4	bc	30.00	+ .09	43	40	+ 0	NE	4	b	*	48	39	-		
Bodö	29.95	49	ESE	2	c	29.91	-.24	43	42	+ 2	SSW	3	r	2	33	37	-		
Christiansund	30.09	48	NW	4	c	30.11	+ .01	46	41	- 3	WSW	5	o	3	52	37	-		
Skudesnaes	30.15	51	S	2	o	30.15	.00	48	44	- 6	NW	4	c	3	54	?	-		
Christiania Fjord (Fjorder)	30.09	54	SW	6	b	30.04	-.17	53	50	- 3	N	1	b	1	55	50	-		
Skagen (The Scaw)	30.13	48	NNW	1	b	30.08	-.09	53	50	+ 3	NW	3	b	3	61	43	-		
Fanö	30.16	46	SSE	1	b	30.19	+ .07	58	49	+ 4	WSW	1	b	*	59	41	-		
BRITISH ISLANDS.																			
Sumburgh Head	30.15	47	NW	1	b	30.19	+ .04	45	41	+ 0	Z	0	o	0	49	42	-		
Stornoway	30.15	49	NE	2	b	30.17	+ .07	50	48	+ 5	NE	1	b	1	51	37	-		
Wick	30.18	57	SE	2	b	30.20	+ .04	49	46	+ 3	SE	2	o	1	58	42	-		
Nairn	30.17	50	ESE	2	bc	30.18	+ .02	49	49	+ 4	NE	1	bc	1	52	41	-		
Aberdeen	30.18	49	SE	2	o	30.22	+ .08	52	47	+ 2	S	4	b	1	54	40	-		
Leith	30.15	52	W	1	b	30.22	+ .10	51	48	+ 4	E	1	b	*	54	42	-		
Shields	30.15	46	NE	2	o	30.22	+ .12	44	43	- 4	NE	2	o	3	48	40	-		
Spurn Head	30.08	49	NE	3	o	30.16	+ .11	53	50	+ 6	E	4	b	4	53	45	0.01		
York	30.12	51	ENE	1	b	30.19	+ .10	54	47	+ 8	ENE	3	b	*	55	39	-		
Loughborough	30.06	52	NNE	2	o	30.13	+ .09	52	49	+ 6	NNE	2	o	*	54	45	0.02		
GERMANY.																			
Ardrossan	30.07	63	NNE	4	bm	30.18	+ .08	51	48	+ 2	NE	3	bm	2	63	40	-		
Malin Head	30.12	51	NE	3	o	30.14	+ .06	54	52	+ 4	ENE	1	om	0	54	47	-		
Mullaghmore	30.09	53	E	3	om	30.13	+ .05	58	49	- 1	ENE	4	om	2	55	47	-		
Belmullet	30.09	54	NNE	3	b	30.11	+ .02	55	50	+ 1	E	1	b	*	57	48	-		
Donaghadee	30.10	55	NE	2	b	30.17	+ .08	50	49	+ 3	E	2	o	0	59	46	-		
FRANCE & NETHERLANDS.																			
Barrow-in-Furness	30.07	57	ESE	3	bc	30.14	+ .08	53	46	+ 5	NE	3	bc	*	61	48	-		
Liverpool (Bidston)	30.06	57	E	3	o	30.14	+ .09	52	47	+ 4	E	3	o	2	60	48	-		
Holyhead	30.06	58	ENE	1	om	30.11	+ .08	53	51	- 1	ENE	2	om	2	56	50	-		
Parsonstown	30.07	53	Z	0	o	30.10	+ .04	55	51	+ 5	Z	0	o	*	55	40	-		
Valencia	30.05	57	WSW	1	om	30.08	+ .06	55	52	- 1	Z	0	om	1	60	50	-		
SPAIN & PORTUGAL.																			
Roche's Point	30.06	58	SE	3	cm	30.06	+ .06	55	51	+ 4	ESE	4	bc	4	58	45	-		
Pembroke	30.02	50	SE	1	bc	30.07	+ .07	58	52	+ 4	NE	2	c	1	55	46	-		
Scilly	30.00	52	E	2	of	30.01	+ .08	54	52	+ 3	ENE	3	om	4	54	48	0.01		
Prawle Point	30.00	55	NE	2	b	30.03	+ .07	55	54	+ 3	NE	3	m	2	58	50	-		
Jersey	29.97	57	NE	3	bc	30.00	+ .10	59	56	+ 8	ENE	2	bm	2	59	49	-		
ITALY.																			
Hurst Castle	30.00	55	WNW	2	m	30.05	+ .08	55	53	+ 4	ENE	1	m	1	59	48	-		
Dungeness	29.95	57	ENE	3	c	30.02	+ .11	57	54	+ 6	NE	3	b	2	61	48	-		
London	29.99	68	E	2	c	30.08	+ .10	54	52	+ 5	ENE	3	o	*	60	49	-		
Oxford	30.04	54	NNE	2	o	30.10	+ .08	51	50	+ 5	NE	3	og	*	56	46	-		
Cambridge	30.05	54	N	1	c	30.12	+ .12	58	54	+ 9	ENE	1	c	*	61	48	-		
AFRICA.																			
Yarmouth	30.02	53	NE	3	c	30.13	+ .14	52	50	+ 1	ENE	4	bc	4	54	48	-		
Cuxhaven	30.20	52	NE	3	b	30.16	+ .08	53	49	- 1	E	2	b	*	56	49	-		
Berlin	30.11	53	NE	2	bc	30.20	+ .11	48	42	- 2	ENE	1	b	*	59	41	-		
Wiesbaden	*	*	*	*	*	30.06	+ .09	56	55	- 3	Z	0	r	*	66	54	0.32		
Munich	30.04	59	Z	0	r	30.09	+ .07	59	56	+ 1	W	3	c	*	63	50	0.02		
ASIA.																			
The Helder	30.05	56	NE	4	c	30.04	+ .03	53	47	+ 0	NE	4	b	3	59	52	-		
Brussels	*	*	*	*	*	30.03	+ .11	57	55	- 4	E	3	c	*	70	51	0.24		
Cape Gris Nez	29.95	52	NE	3	c	30.01	+ .12	57	55	+ 8	E	5	bc	2	57	50	-		
Paris	29.95	65	NNE	1	c	30.02	+ .08	63	60	+ 8	Z	0	b	*	70	51	0.04		
Brest	29.99	60	NW	1	c	29.99	+ .06	50	49	- 1	ENE	3	o	2	64	45	-		
AMERICA.																			
Lorient	29.99	60	NW	1	c	30.02	+ .11	51	51	- 1	E	3	m	2	61	48	-		
Rochefort	29.96	59	WNW	4	bc	30.03	+ .13	56	56	- 3	E	4	o	2	70	50	-		
Belfort	29.99	60	WNW	5	bc	30.06	+ .08	67	59	+ 9	E	1	c	*	74	51	-		
Lyons	30.01	63	SSE	1	c	30.06	+ .10	52	56	+ 3	S	1	o	*	74	55	-		
Nice	29.95	66	S	1	c	30.06	+ .10	52	56	+ 3	S	1	o	*	74	55	-		
Perpignan	30.01	62	W	1	b	30.06	+ .04	66	59	+ 5	WSW	1	b	2	68	54	-		
EUROPE.																			
Biarritz	30.01	62	Z	0	o	30.08	+ .11	59	59	+ 0	NE	1	o	*	64	54	-		
Coranna	29.96	64	W	3	r	29.95	+ .06	62	60	+ 1	SSE	3	o	0	68	57	0.63		
Lisbon	29.97	62	SSW	5	o	30.08	+ .19	61	58	+ 2	S	1	r	2	64	57	-		

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

WEATHER

for 8 a.m. on

CHARTS

Tuesday 31st May

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

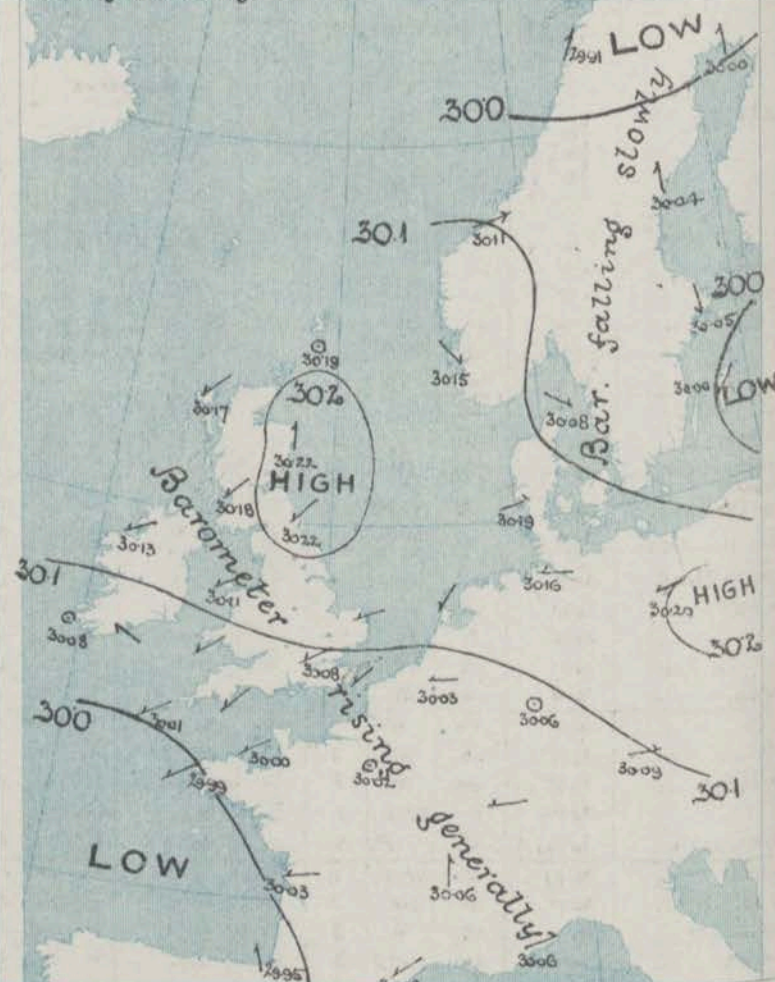
Sea Disturbance — where considerable is shown thus

— = Rough. — = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.896
Stornoway	29.911
Wick	29.925
Nairn	29.939
Aberdeen	29.956
Leith	29.958
Shields	29.968
York	29.981
Ardrossan	29.987
Donaghadee	29.974
Holyhead	29.981
Liverpool	29.987
Valencia	30.006
Roche's Point	29.991
Pembroke	29.989
Scilly	30.011
Hurst Castle	29.994
Dover	29.984
LONDON	29.997
Oxford	29.996
Cambridge	29.995
Yarmouth	29.984



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

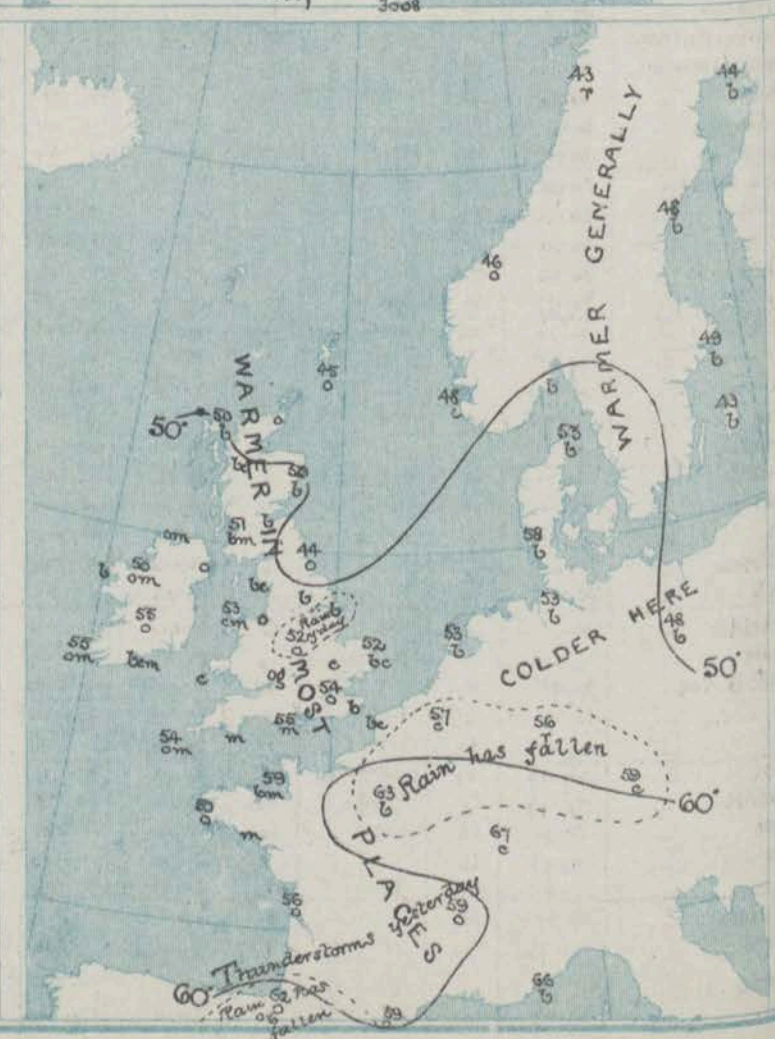
Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.
Weather — is shown by Letters of the Beaufort Scale.
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of May

STATIONS	TEMPERATURE		AT 8 A.M.		RAINFALL. (Inches)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	50.2	40.0	45.9	43.8	1.71
Stornoway	52.9	40.7	48.7	46.2	2.64
Wick	53.5	40.4	47.7	45.1	1.62
Nairn	55.7	42.1	48.4	45.0	1.67
Aberdeen	54.4	42.3	48.4	44.9	1.90
Leith	57.9	42.3	49.8	47.0	1.65
Shields	53.7	43.5	48.8	45.7	1.75
York	58.4	41.6	49.2	46.3	1.71
Ardrossan	56.6	44.3	49.5	46.0	2.30
Donaghadee	55.8	44.1	49.6	47.3	2.15
Holyhead	56.1	46.5	50.2	47.7	1.88
Liverpool	57.1	44.5	50.2	46.6	1.74
Valencia	58.1	46.0	52.8	49.3	2.89
Roche's Point	60.5	46.3	51.7	48.6	3.05
Pembroke	55.6	45.8	49.9	47.3	1.97
Scilly	56.3	48.4	52.6	50.1	1.66
Hurst Castle	58.0	45.2	51.2	49.0	1.70
Dover	56.3	48.4	52.5	49.0	1.77
LONDON	61.5	48.7	52.0	48.2	1.73
Oxford	60.2	44.1	50.1	47.3	1.83
Cambridge	60.9	41.8	50.7	47.6	1.76
Yarmouth	55.0	44.5	50.1	47.7	1.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 mm and upwards over the east of Scotland and north-east of England, and also over North Germany.
Lowest, 30.0 mm and less in large shallow areas lying respectively over the north of Scandinavia, the Baltic, and the Bay of Biscay and north of Spain.

TEMPERATURE

Highest, 67° at Belfort, 66° at Nice, 63° at Paris, 62° at Biarritz, 61° at Lisbon and 59° at Jersey and Seignie.
Lowest, 43° at Bodø and Wexby, 44° at Haparanda and Shields and 45° at Edinburgh Head.

WIND

Slight or moderate from the S.W. in the north of Scandinavia and east of Scotland as well as in the south-west of France.
Slight or moderate from E or N.E. in nearly all other parts of Western Europe, but somewhat variable in the east of France.

WEATHER

Bell in Ireland and the west of France, misty over the English Channel and rainy at Brest and Lisbon.
Fair or fine in nearly all other localities; a solar halo is reported at Jersey.

SEA

Moderate at some of our eastern and southern stations, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone noticed yesterday over Scandinavia and the North Sea has moved south-westwards and now embraces the greater part of our islands. The barometer has therefore risen over the whole of the United Kingdom as well as in the Netherlands and France, but in Sweden and the north of Denmark a slight fall has taken place.

The high-pressure system will probably continue to extend slowly south-westward, and fair weather is therefore likely in most districts with a gradual rise of temperature.

FORECASTS

For the 24 hours ending at NOON on 1st June 1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	S ^{ly} and SE ^{ly} winds, light; fair generally.
1	SCOTLAND EAST	-----D°-----D°-----
2	ENGLAND N.E.	E ^{ly} and NE ^{ly} winds, light or moderate, fair generally.
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	Same as N° 2.
5	ENGLAND SOUTH	E ^{ly} winds, moderate or fresh; fair generally.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as N° 2.
7	ENGLAND N.W.	Same as N° 2.
8	ENGLAND S.W.	Same as N° 5.
9	IRELAND NORTH	E ^{ly} to SE ^{ly} winds, moderate; cloudy, rain locally.
10	IRELAND SOUTH	-----D°-----D°-----
WARNINGS		None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.17	54	49	S 8	c	4	Holyhead ...	30.05	51	49	NNE 3	bm	2
Sumburgh Head ...	30.16	49	44	NNW 1	o	2	Valencia ...	30.03	60	57	N 3	om	3
Stornoway ...	30.11	50	47	NE 2	6	2	Scilly ...	29.99	54	51	ESE 4	om	4
Aberdeen ...	30.17	52	49	ENE 2	6	2	Dungeness ...	29.96	60	56	ENE 3	c	2
Shields ...	30.14	47	45	ENE 2	o	4	London ...	30.00	59	55	ENE 2	o	*
Ardrossan ...	30.09	56	52	NNE 4	6	2	Yarmouth ...	30.00	52	51	ENE 3	o	4
Malin Head ...	30.10	53	49	ENE 3	o	2	Jersey ...	29.97	57	55	NE 3	o	3
Mullaghmore ...	30.09	53	50	E 4	om	3	Rocheport ...	29.96	69	64	SSW 4	c	2
Belmullet ...	30.10	55	50	NNE 2	6	*							

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

The reports for yesterday showed that pressure was still highest over Scandinavia, Scotland, and the adjacent parts of the Atlantic Ocean, while it was lowest over Central Russia on the one hand, and over Portugal, the Bay of Biscay and coast of France on the other. The gradients, however, were very slight except over the Baltic. In the latter region the NE winds were strong to a gale in force, but over the British Islands they were light to moderate, and rather more E than N in direction, while in Germany and Austria light to moderate winds were experienced from W. and NW. The weather varied greatly, but was, on the whole, very cloudy and dull over England, France and Germany, with occasional falls of rain in many places. Temperature showed some tendency to increase over France and the North Sea, but remained low over the British Isles and high over Russia. The highest readings were 82° at Biskra and 75° at Tunis and Laghouat (Algeria), 73° at Constantinople, 70° at Cagliari, 69° at Palermo, Palma and Bilbao, 68° at Brindisi, 67° at Sangunice and Kharkov, 66° at Malta and Moscow, 64° at Naples, Leghorn and Fez, the lowest 38° at Amsterdam, 39° at Haparanda, 41° at Rodo, 43° at Sumburgh, 44° at Stornoway and Kinn, 46° at Wick, York and Loughborough, 48° at Cambridge and in other places. Later in the day the depression in the north spread southwards, the weather cleared in many places, and temperature rose to 60° in London at 6 p.m.

General Remarks on the Weather for 24 hours ended at 8 a.m. May 30th 1887.

The reports for Sunday morning (29th) showed that pressure continued highest over the northern parts of Scotland and Scandinavia, with the adjacent parts of the Atlantic, while it was lowest over Central Europe on the one hand, and France, the Bay of Biscay and Spain on the other. Further to the southward (i.e. over the Mediterranean and Africa) pressure was higher. Nth and NE winds prevailed over the whole of northern and northwestern Europe, and though moderate in the far east blew strongly at several of the more eastern stations, and attained the force of a gale at Haparanda and Lander. Showers fell from time to time except in the extreme east and north, and a great deal of rain had fallen in Germany. Temperature varied from 60° and upwards over Central Russia and the southern parts of the Mediterranean to considerably below 50° over the greater part of the British Isles, and to somewhat below 40° in the north of Norway. The highest individual values were 82° at Laghouat, and 75° at Fez (Algeria), 72° at Cagliari, 71° at Moscow and Kiev, 70° at Malta and Bilbao, 69° at Kharkov and Nicolaioff, 65° at Odessa, 64° at Marseilles and Leghorn, and 56° at Valencia (Ireland); the lowest were 39° at Rodo, 42° at Haparanda and Christiansund, 45° at Shields, 46° at York and Belfast and 47° even at Hawell P.

Later on there was no material change observed, and at night some rain again fell in London.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

CORRECTIONS AND ADDITIONS TO THE REPORTS FOR MAY 1887.

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.			
2	Lorient.....	29.73	51	ESE	3	cl	29.58	- .36	48	-	+ 2	ESE	1	m	1	54	43	0.32		
6	Corunna...	*	*	*	*	*	30.05	+ .38	54	52	?	WSE	3	r	2	59	48	0.83		
9	Kisby.....	30.10	41	ESE	4	b	30.21	+ .19	42	39	- 5	NE	4	b	4	57	39	-		
11	Corunna...	*	*	*	*	*	30.31	- .12	63	60	+ 7	NE	1	b	2	64	48	-		
12	Corunna...	*	*	*	*	*	30.19	+ .01	62	59	0	NE	5	b	6	68	55	-		
13	Corunna...	*	*	*	*	*	30.21	+ .02	58	57	- 4	NE	9	b	6	64	52	-		
16	Corunna...	*	*	*	*	*	30.22	- .04	59	56	- 5	NE	4	b	4	?	48	-		
17	Corunna...	*	*	*	*	*	30.23	+ .01	49	48	- 10	E	1	b	2	59	39	-		
18	Skudesnaes	29.89	52	SSE	1	o	29.73	- .29	60	-	+ 3	ESE	2	c	1	?	52	-		
18	Corunna...	*	*	*	*	*	30.35	+ .12	63	59	+ 14	W	1	c	2	64	46	-		
19	Corunna.....	*	*	*	*	*	30.30	- .05	61	60	- 2	W	3	c	2	64	52	-		
20	Corunna...	*	*	*	*	*	30.25	- .05	58	58	- 3	W	4	c	3	64	52	-		
25	Corunna...	*	*	*	*	*	30.23	- .18	65	62	+ 6	NE	1	b	2	66	48	-		
26	Lorient.....	30.14	55	NE	4	c	30.06	- .14	48	-	- 4	ESE	4	o	2	61	45	-		
26	Corunna...	*	*	*	*	*	30.13	- .10	66	63	+ 1	NE	1	b	2	72	48	-		
27	Corunna...	*	*	*	*	*	30.00	- .13	63	62	- 3	NE	1	o	2	?	50	-		
28	Corunna...	*	*	*	*	*	29.76	- .24	61	60	- 2	W	1	o	2	70	54	0.16		
29	Lorient.....	29.79	55	WSE	1	o	29.79	- .08	54	-	+ 6	NE	1	o	1	64	?	-		
30	Corunna...	*	*	*	*	*	29.89	+ .08	63	63	- 1	ESE	1	r	3	68	54	0.35		

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

Names of Districts.	Names of Stations.	Mean height of Barometer (at 32° Fahrenheit and Mean Sea Level) from observations made at 8 a.m.	Air Temperature.								Tension of Vapour
			At 8 a.m.	Means of			Absolute Extremes.				
				Minima	Maxima	Min. and Max. combined	Minimum	Date	Maximum	Date	
		ins.	°	°	°	°	°		°		ins.
0. SCOTLAND, N.	{ Sumburgh Head ...	29.963	45.7	40.1	50.5	45.3	35	5 th	55	17 th 25 th 26 th	0.251
	{ Wick ...	29.995	48.8	40.3	54.3	47.3	29	4 th	63	15 th	0.285
	{ Stornoway ...	30.011	48.8	42.9	53.5	48.2	36	13 th	62	25 th	0.293
1. SCOTLAND, E.	{ Nairn ...	30.014	48.6	40.9	56.7	48.8	32	3 rd	68	16 th	0.267
	{ Aberdeen ...	30.017	49.3	40.8	55.9	48.4	31	2 nd	67	8 th	0.263
	{ Leith ...	30.036	50.4	41.9	58.5	50.2	29	2 nd	70	24 th	0.272
2. ENGLAND, N.E.	{ Shields ...	30.020	46.9	41.1	52.5	46.8	34	4 th	68	8 th	0.261
	{ York ...	30.034	48.0	41.6	56.9	49.3	29	1 st	69	8 th	0.267
	{ Spurn Head ...	30.008	47.6	42.9	51.3	47.1	36	1 st	66	8 th	0.286
3. ENGLAND, E.	{ Yarmouth ...	29.986	48.5	42.6	52.1	47.4	35	21 st + 22 nd	61	9 th	0.292
	{ Cambridge ...	30.019	49.3	41.2	58.4	49.8	28	1 st	70	8 th	0.292
4. MIDLAND COUNTIES.	{ Loughborough ...	30.035	47.7	42.4	56.8	49.6	30	1 st	72	8 th	0.276
	{ Oxford ...	30.043	47.7	42.5	56.5	49.5	32	1 st	68	8 th	0.274
5. ENGLAND, S.	{ London ...	30.019	48.8	43.5	58.2	50.9	36	1 st	70	8 th	0.274
	{ Dungeness ...	29.976	48.8	43.7	55.4	49.6	35	23 rd	62	11 th + 12 th	0.302
	{ Hurst Castle ...	30.036	49.9	43.9	57.4	50.7	37	1 st + 22 nd	66	24 th	0.313
6. SCOTLAND, W.	Ardrossan ...	30.047	49.2	43.1	57.2	50.2	35	1 st	67	27 th + 28 th	0.283
7. ENGLAND, N.W.	{ *Hawes Junction ...	28.787	43.6	38.1	51.5	44.8	28	2 nd	60	17 th + 24 th	0.244
	{ Barrow-in-Furness ...	30.036	47.6	43.8	55.5	49.4	36	4 th	65	28 th + 31 st	0.272
	{ Liverpool Obs ^r . (Bidston) ...	30.056	48.4	43.8	55.1	49.5	36	2 nd	66	8 th	0.260
	{ Holyhead ...	30.070	49.3	44.6	54.2	49.4	38	5 th	61	31 st	0.290
8. ENGLAND, S.W.	{ Pembroke ...	30.069	48.4	44.3	53.0	48.7	36	20 th	62	25 th	0.305
	{ Prawle Point ...	30.054	50.8	45.7	57.3	51.5	39	1 st 2 nd 3 rd 15 th	71	24 th	0.306
9. IRELAND, N.	{ Malin Head ...	30.057	48.5	44.9	53.0	49.0	36	1 st	57	5 th + 16 th	0.301
	{ Donaghadee ...	30.077	49.5	44.3	56.2	50.3	35	1 st	66	17 th	0.299
	{ Mullaghmore ...	30.092	50.3	44.9	55.8	50.4	34	1 st	65	28 th	0.292
	{ Belmullet ...	30.106	50.8	46.0	55.1	50.6	37	20 th	63	16 th + 26 th	0.301
10. IRELAND, S.	{ Personstown ...	30.109	50.4	42.1	59.0	50.6	32	2 nd	68	25 th	0.294
	{ Valencia ...	30.132	53.1	46.2	57.8	52.0	38	1 st	68	25 th	0.304
	{ Roche's Point ...	30.098	51.3	45.7	56.9	51.3	38	1 st + 2 nd	65	27 th	0.302
CHANNEL ISLANDS.	{ Scilly (St. Mary's) ...	30.072	51.2	46.8	54.1	50.5	41	22 nd	58	9 th	0.325
	{ Jersey (Noirmont) ...	30.028	51.1	46.0	56.4	51.2	38	5 th	64	31 st	0.312
* Hawes Junction is 1185 feet above mean Sea Level and the											

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

† Owing to the death of the observer at

STATIONS in the BRITISH ISLANDS during the Month of **MAY 1887**
 Thunderstorms and Gales are counted irrespective of the hours at which they occurred.
 Latitude, beginning in each case with the Station lying furthest North.)

Relative Humidity	Amount of Cloud	Rainfall.				Weather							Wind								
		Total Fall in the month		Maximum Fall in one day	Date	No. of Days of							No. of Observation of								
		ins.	in.			Rain	Snow	Hail	Thunderstorms	Clear Sky	Overcast	Gales	North	N.E.	East	S.E.	South	S.W.	West	N.W.	Calm
82	7.2	1.47	0.46	20 th	15	0	0	0	7	19	0	3	6	0	2	1	4	5	5	5	5
82	6.6	1.11	0.48	21 st	14	0	1	0	5	12	1	4	3	1	1	6	1	4	10	1	1
85	7.5	1.75	0.32	28 th	14	0	0	0	8	13	2	3	5	3	1	4	5	4	4	1	1
78	6.3	0.84	0.27	21 st	12	1	1	0	6	8	0	1	5	1	0	1	3	9	5	6	6
74	5.2	1.05	0.68	21 st	16	1	0	0	13	10	3	10	1	0	0	6	2	3	9	0	0
75	5.6	1.43	0.76	19 th	10	0	1	0	8	7	0	2	4	4	4	1	2	10	4	0	0
82	8.5	1.31	0.32	19 th	12	0	2	0	0	18	1	10	5	2	1	0	5	4	2	2	2
80	7.6	1.93	0.50	19 th	16	0	0	0	5	19	0	11	5	2	0	0	3	6	4	0	0
88	5.7	1.31	0.33	27 th	17	0	1	0	5	4	3	10	6	3	1	0	3	4	4	0	0
87	6.1	2.50	1.13	6 th	18	0	0	0	4	3	2	7	9	2	0	0	2	3	8	0	0
83	7.7	2.45	0.55	3 rd	19	0	0	5	6	19	0	14	9	2	0	1	2	4	4	1	1
84	8.6	1.58	0.45	19 th	18	0	3	1	0	21	2	6	8	3	0	0	1	7	6	0	0
83	7.3	1.51	0.31	6 th	18	0	2	2	7	19	1	5	13	1	0	1	2	4	5	0	0
74	8.1	1.65	0.28	19 th	21	0	2	1	3	20	1	8	8	3	0	0	2	3	6	1	1
88	7.0	1.75	0.39	1 st	14	0	0	0	3	11	1	7	10	4	0	0	1	5	3	1	1
88	6.2	1.45	0.29	6 th	17	0	2	1	6	5	1	5	9	4	0	1	2	5	4	1	1
80	6.4	1.92	1.10	19 th	10	1	1	0	8	16	1	1	7	4	0	1	2	6	7	3	3
86	8.3	2.92	1.18	19 th	15	2	1	0	1	20	0	6	4	5	5	3	3	1	4	0	0
83	7.0	1.66	0.60	19 th	10	0	1	0	2	14	1	1	12	3	2	1	3	1	8	0	0
77	7.6	1.82	0.75	19 th	13	0	2	0	4	19	1	1	6	5	3	0	2	9	5	0	0
83	5.8	1.40	0.66	19 th	10	0	1	0	6	7	1	4	7	4	1	1	4	4	5	1	1
90	6.5	1.21	0.36	31 st	11	0	0	0	2	10	1	8	8	3	3	0	1	3	5	0	0
82	6.6	1.77	0.26	2 nd	18	0	2	1	6	12	2	2	10	6	1	0	2	6	4	0	0
88	8.7	1.79	0.33	10 th	17	1	1	0	2	24	0	1	2	4	2	3	5	5	9	0	0
85	5.5	1.45	0.47	19 th	11	0	0	0	8	9	1	4	10	4	1	2	5	3	2	0	0
80	6.1	1.58	0.55	19 th	11	0	3	0	7	7	1	3	1	5	2	2	4	4	7	3	0
87	6.6	1.93	0.60	19 th	12	1	0	0	9	16	2	4	5	2	1	3	2	7	7	0	0
87	7.0	1.40	0.78	19 th	10	0	1	0	3	13	0	2	3	1	1	1	2	5	5	11	11
82	7.7	1.58	0.45	5 th	11	1	1	0	3	16	1	6	6	1	1	2	2	3	7	3	3
80	5.7	0.86	0.16	20 th	13	0	0	0	7	8	3	10	2	5	2	2	1	2	7	0	0
86	7.8	1.38	0.66	20 th	14	0	0	0	1	15	2	10	5	4	2	0	2	3	5	0	0
83	6.5	1.97	0.45	5 th	20	0	4	1	4	13	2	4	10	5	1	0	2	3	6	0	0

Baremetric Observations at this Station are not corrected for altitude.

at Station 8 days observations have been interpolated.

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.	
				Dirac.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)			Max.	Min.		
4	Berlin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.32	
5	Roches Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	
6	Leith	29.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	Mullaghmore 2pm	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	
7	Mullaghmore	-	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	Cape Gris Neg	?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	Ararossan . . .	-	-	-	-	-	-	-	-	51	-	-	-	-	-	-	-	-	
8	Malin Head . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	-	-	
9	Belmullet 2pm	-	-	-	-	-	-	-	54	-	-	-	-	-	-	-	-	-	
10	Belmullet . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-	-	
-	Mullaghmore 2pm	-	-	-	-	-	30.43	-	-	-	-	-	-	-	-	-	-	-	
12	Hurst Castle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain	
13	Ararossan	-	-	-	-	-	-	-	47	- 4	-	-	-	-	-	-	-	-	
14	Loughborough	-	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	Ararossan . . .	-	-	-	-	-	230.47	4.05	-	-	-	-	-	-	-	-	-	-	
15	Prawle Point . .	-	-	-	-	-	-	-	57	-	-	-	-	-	-	-	-	-	
16	Oxford	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	46	-	
-	The Keldor . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain	
17	Ararossan . . .	-	-	W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	Ararossan . . .	-	-	-	-	-	29.90	-	-	-	-	-	-	-	-	-	-	-	
20	Ararossan . . .	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	
21	Belmullet 2pm	-	-	-	-	-	-	-	50	-	-	-	-	-	-	-	-	-	
22	Belmullet . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-	
-	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06	
-	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05	
23	Shields	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06	
-	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	
-	Scilly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.08	
25	Loughborough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.19	
-	Ararossan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	-	
26	Stornoway . . .	30.37	55	-	-	bc	-	-	-	-	-	-	-	-	-	-	-	-	
-	Spurn Head . . .	30.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	Dungeness . . .	-	-	-	-	-	280.07	-0.09	-	-	-	-	-	-	-	-	-	-	
27	Belmullet . . .	-	-	-	-	-	-	-	-	-	-	-	26	-	-	-	-	-	
-	Hurst Castle	30.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
28	Hurst Castle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-	-	
29	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06	
30	Ararossan . . .	-	-	-	-	-	-	-	-	46	-	-	-	-	-	-	-	-	
-	Mullaghmore 2pm	-	-	-	-	-	-	-	-	48	-	-	-	-	-	-	-	-	
31	York	-	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

SCANDINAVIA.

BRITISH ISLANDS.

GERMANY.

FRANCE & NETHERLANDS.

PENIN-
SULA.