

METEOROLOGICAL OFFICE

LONDON.

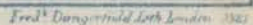
DAILY WEATHER REPORTS.

1ST JANUARY—30TH JUNE.

1887.

January to June, 1887.

January to June, 1887.



DAILY WEATHER REPORT.

for Friday 1st April

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.		Sea. (0 to 9.)	Weather.	SHADE TEMP.		Amount of Rainfall.		
			Direc.	Force. (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.	Inch.	°				Inch.		°							°	°	Inch.		
Haparanda ...	29.79	28	S	2	0	29.76	- 1.1	27	27	+ 4	S	2	bc	*	34	16	-		
Hernösand ...	29.70	36	SW	4	0	29.69	- 1.6	35	34	+ 7	S	2	n	*	48	21	-		
Stockholm ...	29.88	34	S	2	0	29.81	- 1.5	37	35	+ 2	SSW	2	o	*	43	30	-		
Wishby ...	29.89	35	SSW	6	0	29.84	- 1.8	36	33	+ 4	SW	4	bc	*	45	28	-		
Bodö ...	29.64	36	SSW	4	c	29.70	+ 1.6	34	33	- 7	WNW	2	c	1	41	32	0.08		
Christiansund...	29.69	38	NE	4	b	29.78	+ 1.0	38	37	+ 2	ENE	3	c	3	41	32	0.08		
Skudesnaes ...	30.29	37	WNW	2	0	29.68	- 1.1	42	40	0	N	2	o	3	?	37	-		
Christiania Fjord (Færdar)	29.61	36	S	6	n	29.70	- 1.8	35	35	- 2	E	4	n	3	37	34	0.16		
Skagen (The Scaw)	29.52	36	SSW	4	0	29.67	- 3.0	36	36	0	SSW	3	o	2	39	36	0.28		
Fanö ...	29.53	37	SW	8	n	29.57	- 4.8	36	36	0	SSW	5	o	*	41	36	0.32		
BRITISH ISLANDS.																			
Sumburgh Head	29.59	40	N	6	n	29.93	+ 3.5	37	34	- 5	N	4	o	4	45	35	0.30		
Stornoway ...	29.97	40	N	7	cq	30.10	+ 3.0	39	38	- 7	N	3	om	3	47	34	0.08		
Wick ...	29.70	39	WNW	9	o	30.00	+ 3.0	39	36	- 5	WNW	4	o	2	45	37	0.12		
Nairn ...	29.82	40	WNW	8	bc	30.05	+ 1.8	38	36	- 5	N	3	c	4	46	34	0.03		
Aberdeen...	29.57	37	WNW	9	TSq	29.94	+ 0.4	40	37	- 3	N	6	cq	4	54	36	0.37		
Leith ...	29.78	42	WNW	6	bc	29.99	0.0	42	38	- 2	WNW	2	c	*	54	38	0.02		
Shields ...	29.69	40	N	3	buph	29.81	- 2.0	42	40	- 4	N	7	c	6	49	35	0.20		
Spurn Head ...	29.63	44	W	5	o	29.65	- 4.2	42	41	- 1	N	8	cq p	6	47	34	0.18		
York ...	29.63	46	W	4	n	29.71	- 37	42	40	- 2	N	5	n	*	48	36	0.18		
Loughborough	29.77	43	W	3	n	29.68	- 47	42	39	+ 5	N	6	o	*	49	34	0.18		
ARDROSSAN.																			
Ardrossan ...	29.85	43	WNW	7	n	30.01	- 0.5	42	37	- 3	WNW	4	b.	3	49	37	-		
Malin Head ...	29.98	43	WNW	5	cq p	30.10	+ 0.1	41	39	- 2	N	4	cq p	4	47	39	0.03		
Mullaghmore ...	30.08	45	WNW	6	cq p	30.16	- 0.5	42	38	- 3	N	6	c	5	51	41	0.09		
Belmullet ...	30.16	46	N	7	o	30.22	- 0.2	44	40	- 3	N	4	bc	*	51	41	0.02		
Donaghadee ...	29.93	44	NE	7	b	30.04	- 1.0	42	38	- 3	NE	7	b	4	50	40	0.06		
BARROW-IN-FURNESS.																			
Barrow-in-Furness	29.76	43	WNW	4	bc	29.84	- 2.9	41	38	- 3	WNW	7	bc	*	44	38	0.12		
Liverpool (Bidston)	29.78	43	WNW	8	c	29.86	- 2.7	42	38	- 3	WNW	6	bc	5	45	39	0.07		
Holyhead ...	29.91	45	WNW	6	omq p	29.95	- 2.3	42	38	- 3	N	7	bcq	5	47	41	0.06		
Parsonstown ...	30.06	48	WNW	3	c	30.13	- 1.5	42	38	- 4	N	3	bc	*	51	36	0.03		
Valencia ...	30.17	49	WNW	4	nm	30.17	- 1.7	46	41	- 3	NE	5	bc	5	51	43	0.02		
GERMANY.																			
Roche's Point...	30.07	50	WNW	5	c	30.09	- 1.8	44	39	- 4	N	5	bcq	4	51	38	-		
Pembroke ...	29.97	45	WNW	4	n	29.95	- 2.9	41	38	- 4	N	6	cq	6	48	40	0.02		
Scilly ...	30.09	48	WNW	5	nu	29.92	- 3.6	49	43	+ 2	NE	7	o	6	50	42	0.02		
Prawle Point ...	29.98	45	W	4	o	29.76	- 4.9	44	40	- 2	WNW	6	b	5	52	36	0.09		
Jersey ...	30.00	46	W	5	nmq	29.67	- 6.0	42	40	- 1	WNW	7	cq m	5	48	39	0.04		
FRANCE & NETHERLANDS.																			
Hurst Castle ...	29.90	46	WNW	4	n	29.62	- 6.1	40	39	- 4	NE	6	q p	2	49	36	0.17		
Dungeness ...	29.83	45	W	4	n	29.43	- 7.8	38	37	0	E	5	o	3	47	33	0.14		
London ...	29.81	44	WNW	2	om n	29.57	- 6.3	36	36	- 5	N	6	ns	*	53	34	0.14		
Oxford ...	29.75	44	W	4	o	29.65	- 5.5	40	38	+ 1	N	7	o q	*	51	35	0.20		
Cambridge ...	29.74	43	W	1	o	29.59	- 5.8	40	39	- 2	N	5	n	*	53	32	0.33		
Yarmouth ...	29.74	43	W	4	on	29.51	- 6.4	37	37	- 3	N	6	q n q	5	50	33	0.29		
GERMANY.																			
Cuxhaven ...	29.82	39	SSW	5	n	29.55	- 6.2	38	37	- 3	S	3	bc	*	48	37	0.16		
Berlin ...	29.92	39	SW	3	bc	29.71	- 4.2	37	34	+ 1	SSW	2	o	*	48	32	-		
Wiesbaden ...	*	*	*	*	*	29.49	- 7.4	37	36	+ 1	SE	2	n	*	46	36	-		
Munich ...	29.99	28	W	1	b	29.62	- 5.1	32	29	+ 1	SE	4	o	*	37	23	0.08		
FRANCE & NETHERLANDS.																			
The Helder ...	29.60	40	SW	5	n	29.41	- 7.4	39	39	0	NE	3	o	2	41	37	0.39		
Brussels ...	*	*	*	*	*	29.41	- 8.1	36	35	- 3	WNW	3	n	*	48	34	0.39		
Cape Gris Nez...	29.84	44	WNW	7	o	29.37	- 8.3	37	37	- 1	N	5	n	5	45	36	0.16		
Paris ...	29.98	47	WSW	3	o	29.50	- 7.5	38	36	+ 4	WNW	4	bc	*	53	37	0.24		
Brest ...	30.13	48	WNW	4	o	29.86	- 4.5	42	37	0	N	7	o	4	59	36	-		
FRANCE & NETHERLANDS.																			
Lorient ...	30.10	48	WNW	7	o	29.78	- 6.3	42	38	+ 1	WNW	7	b	4	54	39	-		
Rochefort ...	30.15	?	WNW	7	bc	29.76	- 5.0	48	47	+ 8	WNW	8	n	3	54	37	-		
Belfort ...	29.98	42	E	3	b	29.54	- 5.9	41	39	+ 4	W	5	o	*	46	39	-		
Lyons ...	30.02	46	N	1	b	29.67	- 4.8	38	34	+ 3	S	5	c	*	50	34	-		
Nice ...	29.91	47	W	0	b	29.75	- 1.1	45	41	- 5	E	1	o	1	57	39	-		
FRANCE & NETHERLANDS.																			
Perpignan ...	29.97	56	WNW	5	b	29.80	- 2.5	47	42	- 1	WNW	4	o	*	64	40	-		
Biarritz ...	30.12	51	WNW	4	b	29.84	- 3.3	46	43	+ 4	WSW	7	o	3	55	39	-		
GERMANY.																			
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Lisbon ...	29.98	59	W	4	b	29.90	- 0.7	55	54	0	W	0	b	2	66	54	-		

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Friday, 1st April, 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.

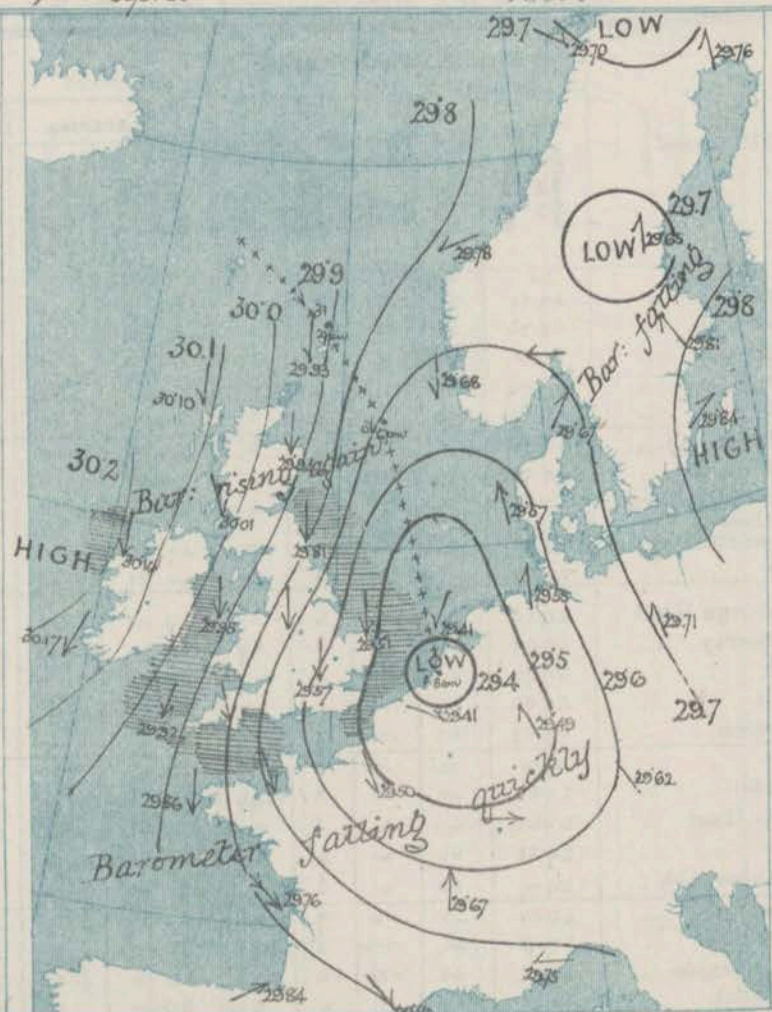
Sea Disturbance — where considerable is shown thus

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.838
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Scilly	29.867
Hurst Castle	29.866
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.873



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.	At 8 a.m.	
			Dry.	Wet.	
Sumburgh Head	46.3	37.5	41.7	40.6	2.16
Stornoway	49.1	37.5	44.1	42.3	2.51
Wick	49.3	37.6	43.0	41.1	1.66
Nairn	51.6	38.4	43.4	40.8	1.23
Aberdeen	49.5	39.3	43.2	40.9	2.23
Leith	53.2	38.6	44.4	42.4	1.65
Shields	49.3	39.8	43.8	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.8	40.8	45.0	42.1	2.23
Donaghadee	51.8	40.3	45.0	43.4	2.02
Holyhead	52.3	43.1	46.4	44.5	1.86
Liverpool	53.3	41.0	46.0	43.1	1.66
Valencia	54.4	43.5	48.8	46.1	4.01
Roche's Point	54.7	42.9	47.3	45.2	3.43
Pembroke	51.2	42.5	45.9	44.0	2.10
Scilly	52.7	45.5	49.2	47.4	2.45
Hurst Castle	51.9	42.1	45.1	43.9	1.87
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	56.9	40.2	47.0	44.3	1.86
Oxford	54.9	39.6	44.9	43.0	1.79
Cambridge	56.3	38.4	45.6	43.5	1.76
Yarmouth	49.7	40.4	45.2	43.7	1.80

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 more, in the extreme west of Ireland, 29.8 ins. and more over the Baltic. Lowest, 29.4 ins. and less over the Netherlands. Gradients rather steep for N winds over England, moderate or slight elsewhere. Barometer rising at all our more northern stations, falling in France. The rise is spreading southwards.
TEMPERATURE	Highest, 55° at Lisbon, 49° at Skilly, 48° at Rochefort, 42° on N.E. coast of England. Lowest, 27° at Haparanda, 32° at Munich, 35° at Trier, 37° at Yarmouth. It has fallen several degrees over our Islands during the night, but risen in the south of France.
WIND	N ^W over the British Isles and N and W of France, moderate to fresh in Ireland and Scotland, strong to gale in England, the Channel and N. of France. It is SE or S over Germany, Denmark and the Baltic, E in Norway and light to moderate in force. Very strong NW gales in Scotland yesterday.
WEATHER	Squally over France and England, with cold rain and wet snow at several of the English stations. Fair now over Ireland, Scotland and Norway. [Rain, hail or snow has fallen very generally over the British Isles during the past 24 hours.]
SEA	rough or rather so, except in the far north, where it has gone down.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which appeared to be approaching the N. of Scotland yesterday morning, has moved SE^W and South very quickly - its centre being now over the Netherlands. In its rear the barometer is rising fast, the wind lulling, and the weather improving. It is probable that as the wind lulls the sky will clear, and temperature fall very decidedly at our inland stations giving us a dry, cold, and perhaps frosty night.

With two high-pressure areas - one over the Baltic and the other off our W^{est} coasts the weather is not likely to be very settled.

FORECASTS

For the 24 hours ending at NOON on 2nd APRIL 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N ^W to W ^W winds, moderate; fair, cold, perhaps less settled tomorrow.	6 SCOTLAND WEST	Same as No 0
1 SCOTLAND EAST	N ^W winds, lulling; showery to fair	7 ENGLAND N. W.	Same as No 5
2 ENGLAND N. E.	----- D ^o ----- D ^o ----- D ^o -----	8 ENGLAND S. W.	Same as No 5
3 ENGLAND EAST	Same as No 5	9 IRELAND NORTH	N ^W winds, fresh or light; fair, cold.
4 MIDLAND COUNTIES	Same as No 5.	10 IRELAND SOUTH	----- D ^o ----- D ^o ----- D ^o -----
5 ENGLAND SOUTH	N ^W winds, strong, squally showery, ^{then} moderate or light, with cold fair weather.	WARNINGS	The N. cone has been lowered this morning in districts 0, 1 and 6, but is left up for the present in districts 2, 7 and part of 3.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.56	39	37	SSW 3	n	3	Holyhead ...	30.02	45	45	w 4	o p	2
Sumburgh Head ...	29.23	42	40	H 3	c	4	Valencia ...	30.26	50	48	W 4	o 2 m	4
Stornoway ...	29.93	42	39	H 7	6 c q	6	Scilly ...	30.19	50	48	W 4	o m	4
Aberdeen ...	29.63	46	42	W 7	6 c q	4	Dungeness ...	30.03	45	44	W 4	o	3
Shields ...	29.74	48	45	SSW 5	o	2	London ...	29.99	53	47	WSW 3	o	*
Ardrossan ...	29.77	47	44	WSW 8	c	6	Yarmouth ...	29.91	50	46	WSW 4	c	3
Malin Head ...	29.94	45	43	WSW 4	o	5	Jersey ...	30.15	49	46	WSW 4	o	3
Mullaghmore ...	30.07	49	48	WSW 5	o p	5	Rochefort ...	30.25	51	49	W 5	o	2
Belmullet ...	30.15	51	49	W 5	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, to the southwestward of the British Isles, whence a band of relatively high readings extended in an ENE³ direction across France and central Europe to the northern parts of Russia. The lowest readings, 29.6 in: and less were found in a large depression which was lying to the northward of Scotland, but relatively low readings, 29.8 in: and less, were reported in two depressions lying respectively over the northern part of the Black Sea, and off the southwest of Italy. W³ or SW³ breezes prevailed at all the more northern stations and blew strongly in the north of Scotland, but over southern Europe the wind was chiefly moderate from E. or NE. The weather was fair over the greater part of the Continent, but rain was falling in the N. and NW. of the British Islands as well as in the west of Norway. Temperature has fallen a little over central Europe, but changed irregularly elsewhere, readings ranged from between 55° and 65° at the Spanish, Algerian, and Mediterranean stations to 32° or less over many parts of central Europe and to 25° or less over Northern Russia. The highest individual readings were 63° at Oporto, 62° at Brest, 61° at Palma, 60° at Alicante, and 59° at Oran and Malta; the lowest were 17° at Archangel, 23° at Haparanda, 27° at Uleaborg, 28° at Hurnö, and 30° at Moscow.

In the course of the day the large depression to the northward of our Islands moved in a SE³ or S³ direction down the North Sea, and the wind rose to a severe gale from NW on the Scotch coast, with sleet and hail in many places. In the evening, rain extended over the greater part 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 20th April

1887.

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

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
				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.)		Weather.	Max.		Min.	
SCANDINAVIA.	Haparanda ..	29.53	31	S	4	0	29.86	- .40	29	29	+ 2	S	4	S	*	34	28	0.12	
	Hernösand ...	29.48	34	S	2	N	29.22	- .47	33	32	- 2	S	4	S	*	39	?	0.08	
	Stockholm ...	29.69	34	S	4	0	29.37	- .46	34	32	- 3	S	4	S	*	43	30	0.04	
	Wisby ...	29.67	32	SW	4	6c	29.47	- .37	34	33	- 2	SSE	6	S	*	41	30	-	
	Bodö ...	29.35	33	E	2	6c	29.07	- .63	34	32	0	E.N.E.	4	6	2	36	30	-	
	Christiansund...	29.86	35	N.W.	5	N	29.24	- .54	36	33	- 2	N.W.	6	S	5	41	32	0.16	
	Skudesnaes ...	29.62	39	N.W.	3	0	29.43	- .25	37	34	- 5	N.W.	7	S	5	45	?	-	
	Christiania Fjord (Færdar)	29.58	36	N.W.	6	0	29.16	- .54	34	34	- 1	N.W.	2	0	3	37	34	0.28	
	Skagen (The Scaw)	29.60	37	SW	2	0	29.14	- .53	34	34	- 2	SW	2	0	2	41	32	0.20	
	Fanö ...	29.69	38	SSE	2	C	29.38	- .19	37	37	+ 2	N.W.	6	C	*	45	36	0.04	
BRITISH ISLANDS.	Sumburgh Head	29.61	41	W	4	N	29.67	- .26	41	35	+ 4	N	4	6	4	41	36	0.01	
	Stornoway ...	29.89	47	N.W.	4	C	29.93	- .17	46	44	+ 7	N.W.	8	cm	3	47	38	-	
	Wick ...	29.78	43	W	1	C	29.81	- .19	43	42	+ 4	N.W.	5	C f	3	44	38	0.03	
	Nairn ...	29.87	43	W	2	C	29.90	- .15	44	41	+ 6	N.W.	1	C	2	46	37	-	
	Aberdeen...	29.88	43	N.W.	1	C	29.82	- .12	45	41	+ 5	N.W.	6	6q	3	46	39	0.01	
	Leith ...	29.90	46	W	1	C	29.87	- .12	48	42	+ 6	N.W.	2	6	*	50	39	-	
	Shields ...	29.89	41	N	3	6	29.87	+ .06	44	41	+ 2	N.W.	1	6	6	46	35	-	
	Spurn Head ...	29.84	42	N	6	C	29.85	+ .20	41	40	- 1	N.W.	4	6	4	44	35	0.06	
	York ...	29.91	42	N	3	C	29.90	+ .19	41	39	- 1	N	1	6	*	45	32	0.01	
	Loughborough	29.87	42	N	6	0	29.91	+ .23	39	38	- 3	N.W.	2	om	*	47	32	0.03	
GERMANY.	Ardrossan ...	29.98	44	N.W.	4	C	29.95	- .06	47	44	+ 5	N.W.	4	6	3	49	41	-	
	Malin Head ...	30.05	44	N.W.	3	0.2	30.02	- .08	46	45	+ 5	N.W.	8	om	3	46	41	0.02	
	Mullaghmore ...	30.12	46	N.W.	4	0	30.10	- .06	47	44	+ 5	N.W.	4	C	2	48	41	-	
	Belmullet ...	30.16	47	N.W.	4	0	30.15	- .07	48	46	+ 4	N	2	0q	*	49	44	0.04	
	Donaghadee ...	30.02	44	N.E.	6	6c	30.02	- .02	46	43	+ 4	N.E.	4	6c	2	46	41	-	
	Barrow-in-Furness	29.95	44	N.W.	3	6c	29.92	+ .08	43	41	+ 2	N	2	6c	*	50	41	-	
	Liverpool (Bidston)	29.96	44	N	4	6	29.95	+ .09	45	42	+ 3	N.W.	2	6	3	48	40	-	
	Holyhead ...	29.94	43	N.W.	5	6q	29.98	+ .08	45	43	+ 3	N	5	6q	5	46	41	-	
	Parsonstown ...	30.10	47	N.W.	2	6c	30.10	- .03	47	44	+ 5	N	2	6q	*	50	40	-	
	Valencia ...	30.16	48	N	4	C	30.15	+ .02	48	46	+ 2	N	4	om	4	51	45	-	
FRANCE & NETHERLANDS.	Roche's Point...	30.06	52	N.E.	5	6	30.09	0.00	48	44	+ 4	N.W.	4	6	4	53	42	-	
	Pembroke ...	29.99	43	N.E.	6	6	30.02	+ .07	45	43	+ 4	N	4	0q	3	46	41	-	
	Scilly ...	30.00	45	N.E.	6	6c	30.00	+ .08	47	46	- 2	N.E.	5	0	4	47	42	-	
	Prawle Point ...	29.87	45	N.W.	5	0	29.98	+ .22	45	41	+ 1	N.E.	1	6c	2	51	35	-	
	Jersey ...	29.74	43	N.E.	6	6q	29.92	+ .25	42	41	- 0	N.E.	4	om	3	47	41	0.03	
	Hurst Castle ...	29.77	43	N.E.	6	6c	29.95	+ .33	40	39	0	N	2	m	2	48	38	0.09	
	Dungeness ...	29.64	42	N.E.	5	N	29.87	+ .44	40	40	+ 2	N	3	C	3	45	34	0.11	
	London ...	29.76	42	N.E.	6	0q	29.90	+ .33	38	36	+ 2	N.W.	1	6cm	*	47	35	0.24	
	Oxford ...	29.94	40	N.E.	7	C	29.88	+ .23	38	37	- 2	N.W.	2	0	*	48	38	0.08	
	Cambridge ...	29.79	41	N	5	0	29.90	+ .31	39	37	- 1	N.W.	1	0	*	48	31	0.11	
PENIN. ISLANDS.	Yarmouth ...	29.73	42	N.E.	6	C	29.83	+ .32	41	39	+ 4	N.W.	4	6c	4	44	35	0.04	
	Cuxhaven ...	29.68	40	SSE	2	C	29.58	+ .08	40	39	+ 2	N.W.	6	0	*	43	?	-	
	Berlin ...	29.75	39	N.E.	2	6	29.56	- .15	36	35	- 1	SSE	1	N	*	46	34	-	
	Wiesbaden ...	*	*	*	*	*	29.74	+ .25	42	39	+ 5	2	0	6c	*	45	30	0.08	
	Munich ...	29.62	36	E	1	6	29.67	+ .05	32	31	0	N	2	6	*	46	28	-	
	The Helder ...	29.74	40	N.E.	3	0	29.74	+ .33	40	38	+ 1	N.W.	4	C	3	41	37	-	
	Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Cape Gris Nez...	29.60	41	N.E.	7	N	29.84	+ .47	41	39	+ 4	N.E.	5	0	5	45	36	0.04	
	Paris ...	29.62	38	N	3	N	29.84	+ .34	36	36	- 2	N	3	f	*	45	34	0.16	
	Brest ...	29.88	43	N	8	0	29.97	+ .11	43	39	+ 1	N.E.	5	0	4	61	37	-	
FRANCE & NETHERLANDS.	Lorient ...	29.77	46	N.W.	7	6c	29.90	+ .12	43	40	+ 1	N.E.	5	0	3	48	37	-	
	Rocheport ...	29.69	43	N	7	N	29.82	+ .06	38	36	- 10	N.E.	7	6	2	52	32	0.08	
	Belfort ...	29.60	40	W	1	0	29.76	+ .22	36	35	- 5	E	3	0	*	44	33	0.04	
	Lyons ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Nice ...	29.62	45	SSE	2	N	29.70	- .05	41	40	- 4	E	4	0	5	54	37	0.32	
	Perpignan ...	29.61	47	N.W.	4	N	29.66	- .14	42	39	- 5	N.W.	3	0	*	58	41	0.08	
	Biarritz ...	29.73	48	N.W.	7	0	29.69	- .15	40	37	- 6	E	4	0	3	50	37	0.20	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	29.78	56	W	5	6	29.69	- .21	50	44	- 5	SSE	7	6	3	64	46	-	



For Explanation of Columns, see p. 4.

1887.

(Explanation of Map)

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

\rightarrow = forces above W_1 \rightarrow = forces 6 to W_1
 \rightarrow = forces 5 to 7_1 \rightarrow = forces 1 to 3_1
 \odot = dead calm.

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

MEAN HEIGHT *of the* BAROMETER

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

This is a hand-drawn weather map on a grid, depicting a low-pressure system over the British Isles and a high-pressure system over the Azores. The map includes the following features:

- Isobars:** Hand-drawn lines representing pressure levels, labeled with values such as 29.1, 29.2, 29.3, 29.4, 29.5, 29.6, 29.7, 29.8, 29.9, 30.0, and 30.1.
- Low Pressure System:** A dashed circle labeled "LOW" is centered over the British Isles, with a pressure value of 29.1.
- High Pressure System:** A dashed circle labeled "HIGH" is centered over the Azores, with a pressure value of 30.1.
- Weather Trends:** Arrows indicate the direction of pressure changes. A large arrow pointing from the high to the low is labeled "Falling quickly". Other arrows are labeled "Rising" and "Generally".
- Other Annotations:** The word "Boreometer" is written vertically on the left side. The word "Generally" is written at the bottom. Various numerical values are scattered across the map, likely representing specific pressure readings at different locations.

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

Weather is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE.
AND RAINFALL.

for the month of April

[illegible]

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, 30.15 ins. at Belmullet and Valencia, 30.10 ins. at Barrington.
Lowest, 29.1 ins. and less, over the NW. of Norway, 29.14 ins. at the Læur, 29.6 ins. at Vorkignan.
Gradients slight over our Islands and France, rather steep on the eastern side of the North Sea.
Barometer rising over the United Kingdom, except in the far west.

TEMPERATURE

Highest, 50° at Lisbon, 48° in the west and south of Ireland and at Seith.
Lowest, 25° to 34° in Sweden and the north of Denmark, 32° at Munich, 36° at Paris, 39° at Cambridge and Oxford.
The thermometer is lower over Central England and the Continent, but higher over Ireland and Scotland than it was yesterday.

WIND

N^W and N^W over the British Isles, the North Sea and Norway, SE¹ in Sweden; moderate on our coasts generally, strong to a gale in Norway and Denmark.
In France the wind is NE and blows rather freshly.
[The N^W gale yesterday was strong over Central England, but not on the coasts.]

WEATHER

Fair generally over the United Kingdom and France, but dull or foggy in several places.
Much snow is falling in Norway and Sweden. [Rain and sleet fell yesterday over several parts of Britain and France.]

SEA

Rather rough on the Norwegian coast, moderate or slight on our own coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

- The depression now lying over Scandinavia will probably move south-eastwards, but is not likely to affect the weather on our coasts much.
- An anticyclone still lies over the Atlantic, but as the barometer is falling a little in the west of Ireland, with a N^W wind, the system is very possibly about to disappear.
At present there is no indication of further bad weather over our Islands.

FORECASTS

For the 24 hours ending at NOON on 3rd APRIL

1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW ² winds, moderating; a few showers but fair as a whole.
1	SCOTLAND EAST	----- D° ----- D° ----- D° -----
2	ENGLAND N.E.	NW ² breezes, moderate; fair.
3	ENGLAND EAST	----- D° ----- D° ----- D° -----
4	MIDLAND COUNTIES	Same as N° 5
5	ENGLAND SOUTH	NW ¹ winds, light; fine, cold and perhaps foggy at night.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NW ² breezes, moderate; fair.
7	ENGLAND N.W.	----- D° ----- D° ----- D° -----
8	ENGLAND S.W.	Same as N° 5
9	IRELAND NORTH	Same as N° 6.
10	IRELAND SOUTH	N ^W breezes, moderate or light; fine.
WARNINGS		Signals all lowered this morning.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudeenaes ...	29.68	45	42	WNW 4	bc	3	Holyhead ...	30.00	44	40	N 5	bcg	5
Sumburgh Head ...	29.73	40	36	NW 4	o	4	Valencia ...	30.15	50	45	NNE 6	bc	6
Stornoway ...	29.97	43	42	WNW 5	om	4	Scilly ...	29.94	45	44	N 7	c	6
Aberdeen ...	29.96	45	41	NNW 6	bc	4	Dungeness ...	29.55	44	42	NNE 5	c n sp	5
Shields ...	29.91	46	42	NNE 7	b	6	London ...	29.66	47	43	N 8	c p g	*
Ardrossan ...	30.01	47	42	WNW 3	o	2	Yarmouth ...	29.61	43	42	NNE 5	c g	5
Malin Head ...	30.11	44	42	NNW 3	o	3	Jersey ...	29.68	45	42	N 7	o	5
Mullaghmore ...	30.15	46	42	NNW 5	c	4	Rochefort ...	29.72	46	42	NNW 8	o	2
Belmullet ...	30.20	49	45	N 5	bc	*							

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

The Continental Reports for yesterday morning showed that pressure was highest, 30.2 ins. and upwards, in an anticyclonic system lying off the west of Ireland, and relatively high, 30.0 ins. and upwards, over Northern Russia. The lowest readings, 29.4 ins. and less, were found in the centre of a well defined and rather deep depression, which had moved southwards over the North Sea to the Netherlands, and steep gradients for N winds prevailed over the greater part of our Islands. Strong winds or gales from the N were reported over the British Isles and France, but over Central and northern Europe the wind was moderate from the S^{wd}, while in Norway it was chiefly E^{ly}. The weather was fair over Italy, Spain, and Algeria, but very cloudy elsewhere, with rain or sleet over Eastern England and the Netherlands and rain at Constantinople. Temperature had risen a little over France and Central Europe, but fallen elsewhere; readings ranged from between 50° and 60° over Algeria, Spain, and Italy to 32° or less over Austria and Central and Northern Russia. The highest individual readings were 59° at Algiers, 57° at Palma, and 55° at Brindisi, Oran, Sfax, Barcelona, and Lisbon; the lowest were 16° at Archangel, 27° at Vienna and Haparanda, 30° at Moscow, and 32° at Hermanstadt and Helsingfors.

In the course of the day the depression over the Netherlands moved southwards over Eastern France, and the N wind over our Islands subsided gradually. A fresh and brisk fall of the barometer in the extreme north, however, seemed to indicate the approach of further disturbances from the north-westward, and conditions therefore remained threatening.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

DAILY WEATHER REPORT.

for Sunday 3rd April

1887.

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

Issued by the Meteorological Office, No. 1, Abchurch Lane, London, E.C. 4, at 10 P.M., 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 ..	29.33	30	S	4	S	29.41	+ .05	30	29	+ 1	SSE	2	0	*	34	23	0.12	
Hernösand ...	29.16	38	S	4	S	29.24	+ .04	32	32	- 1	NE	2	5	*	36	32	0.20	
Stockholm ...	29.18	34	ESE	4	T	29.14	- .23	30	32	- 1	N	2	0	*	36	32	0.08	
Visby ...	29.20	34	SSE	4	0	29.03	- .44	35	34	+ 1	NE	4	T	*	43	28	0.20	
Bodö ...	29.11	33	WSTN	4	C	29.25	+ .18	30	28	- 4	SSW	4	bc	2	39	28	-	
Christiansund...	29.32	30	WNW	8	S	29.54	+ .30	30	28	- 6	WNW	6	S	6	37	28	0.20	
Skudesnaes ...	29.54	37	WNW	8	0	29.73	+ .30	32	31	- 5	NNW	5	0	4	41	?	-	
Christiania Fjord (Færd)	29.28	38	NNW	6	b	29.48	+ .32	32	26	- 2	NNW	8	b	2	39	30	-	
Skagen (The Scaw)	29.29	37	N	6	b	29.45	+ .31	34	32	0	N	7	b	5	43	34	0.16	
Fanö ...	29.56	37	NN	8	b	29.69	+ .31	37	34	0	NN	8	C	*	43	36	-	
BRITISH ISLANDS.																		
Sumburgh Head	29.75	38	N	4	C	29.80	+ .13	34	33	- 7	Z	0	0	3	46	38	0.01	
Stornoway ...	29.99	47	WNW	4	Dy	29.91	- .02	45	44	- 1	SW	4	0	4	49	40	-	
Wick ...	29.86	45	NW	5	C	29.85	+ .04	47	44	+ 4	W	5	0	3	51	40	0.02	
Nairn ...	29.95	47	W	1	C	29.92	+ .02	46	43	+ 2	W	3	C	3	50	41	0.02	
Aberdeen...	29.88	47	NNW	6	C	29.92	+ .10	48	44	+ 3	WNW	3	bc	2	52	43	-	
Leith ...	29.93	51	NW	1	bc	30.02	+ .15	46	44	- 2	W	1	C	*	61	40	-	
Shields ...	29.91	48	ESE	1	C	30.00	+ .13	43	41	- 1	W	2	b	2	52	38	-	
Spurn Head ...	29.93	45	N	1	b	30.05	+ .20	42	41	+ 2	WNW	2	bm	3	47	30	-	
York ...	29.93	54	NW	1	b	30.06	+ .16	44	42	+ 3	W	1	b	*	55	33	-	
Loughborough	29.94	50	WNW	1	0	30.10	+ .19	41	40	+ 2	WNW	3	over	*	54	32	-	
Ardrossan ...	29.99	48	WNW	4	b	30.04	+ .09	47	45	0	W	4	0	3	53	43	-	
Malin Head ...	30.09	46	NNW	3	op	30.07	+ .05	45	45	- 1	W	3	0	2	47	44	0.03	
Mullaghmore ...	30.13	48	NW	4	cm	30.14	+ .04	45	44	- 2	WSW	4	cm	2	50	40	-	
Belmullet ...	30.19	49	NNW	3	bc	30.17	+ .02	45	45	- 3	NW	2	0	*	50	44	-	
Donaghadee ...	30.08	49	NE	5	bc	30.10	+ .08	45	44	- 1	WNW	3	C	1	53	43	-	
Barrow-in-Furness	29.96	47	NW	3	b	30.07	+ .15	45	44	+ 2	NNW	1	b	*	51	41	-	
Liverpool (Bidston)	29.99	44	W	4	b	30.10	+ .15	44	43	- 1	W	2	C	3	49	40	-	
Holyhead ...	30.04	47	NW	1	bc	30.14	+ .16	47	45	+ 2	NW	2	cm	2	50	42	-	
Parsonstown ...	30.13	49	NW	1	C	30.19	+ .09	44	42	- 3	Z	0	og	*	53	40	-	
Valencia ...	30.17	50	N	4	cm	30.21	+ .06	47	44	- 1	Z	0	0	1	54	42	-	
Roche's Point...	30.09	52	N	4	bc	30.17	+ .05	43	40	- 5	NNW	3	bc	3	55	40	-	
Pembroke ...	30.03	46	N	3	C	30.15	+ .13	46	45	+ 1	NNE	1	C	1	50	42	-	
Scilly ...	30.05	48	NNE	5	C	30.13	+ .13	48	46	+ 1	ENE	4	C	3	50	45	-	
Prawle Point ...	30.01	46	SW	2	C	30.14	+ .16	50	45	+ 5	Z	0	b	0	54	39	-	
Jersey ...	29.97	46	NNE	3	bm	30.12	+ .20	47	44	+ 5	NE	3	bm	3	48	40	-	
Hurst Castle ...	29.98	47	NE	2	bm	30.12	+ .17	45	42	+ 5	Z	0	m	0	51	35	-	
Dungeness ...	29.93	42	NE	3	0	30.09	+ .22	45	44	+ 5	WNW	1	b	2	50	37	-	
London ...	29.96	46	Z	0	bf	30.12	+ .22	41	38	+ 3	NNW	1	m	*	52	35	-	
Oxford ...	30.02	47	NNW	1	0	30.13	+ .25	41	40	+ 3	NW	1	og	*	51	35	-	
Cambridge ...	29.99	43	Z	0	b	30.11	+ .21	39	39	0	WSW	1	0	*	51	32	-	
Yarmouth ...	29.97	45	NNW	4	bc	30.05	+ .22	44	42	+ 3	WNW	3	b	3	48	39	-	
Cuxhaven ...	29.59	39	NW	7	b	29.74	+ .16	40	39	0	NW	6	b	*	42	39	-	
Berlin ...	?	39	W	8	b	29.60	+ .04	38	35	+ 2	W	7	C	*	45	36	0.08	
Wiesbaden ...	*	*	*	*	*	30.04	+ .30	41	37	- 1	SW	2	0	*	48	36	-	
Munich ...	29.79	42	SW	2	bc	30.00	+ .33	36	38	+ 4	W	5	C	*	54	32	-	
FRANCE & NETHERLANDS.																		
The Helder ...	29.88	? 41	NW	3	b	29.99	+ .25	42	41	+ 2	WNW	3	bc	3	43	37	-	
Brussels ...	*	*	*	*	*	30.08		40	38		W	3	m	*	47	36	-	
Cape Gris Nez...	29.95	44	SSE	1	0	30.05	+ .21	42	41	+ 1	SSW	1	b	0	50	39	-	
Paris ...	29.95	43	NNE	3	0	30.12	+ .28	34	34	- 2	NNE	1	b	*	51	32	-	
Brest ...	30.01	56	ENE	4	bc	30.11	+ .14	37	36	- 6	ENE	4	m	3	59	34	-	
Lorient ...	29.95	46	E	5	bc	30.08	+ .18	41	38	- 2	ENE	4	b	2	50	39	-	
Rochefort ...	29.87	52	ENE	7	b	29.97	+ .15	41	38	+ 3	ENE	8	b	2	58	34	-	
Belfort ...	29.66	31	N	1	b	?	?	30	30	- 6	N	1	f	*	?	?	-	
Lyons ...	29.81	46	S	1	b	30.01		37	36		N	3	f	*	48	33	-	
Nice ...	29.74	51	NE	5	0	29.88	+ .18	52	49	+ 11	Z	0	0	3	?	?	-	
Perpignan ...	29.71	40	NW	3	r	29.84	+ .18	44	43	+ 2	W	1	0	*	46	39	1.20	
Biarritz ...	29.73	48	NNE	4	0	29.81	+ .12	47	43	+ 7	E	4	0	3	50	?	0.04	
PENIN. ISLANDS.																		
Corunna ...	*	*	*	*	*	29.89	.00	48	45	- 1	NE	8	f	6	54	39	-	
Lisbon ...	29.62	52	NNW	8	b	29.71	+ .02	45	39	- 5	NNW	5	f	2	59	41	-	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Sunday 3rd April 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.

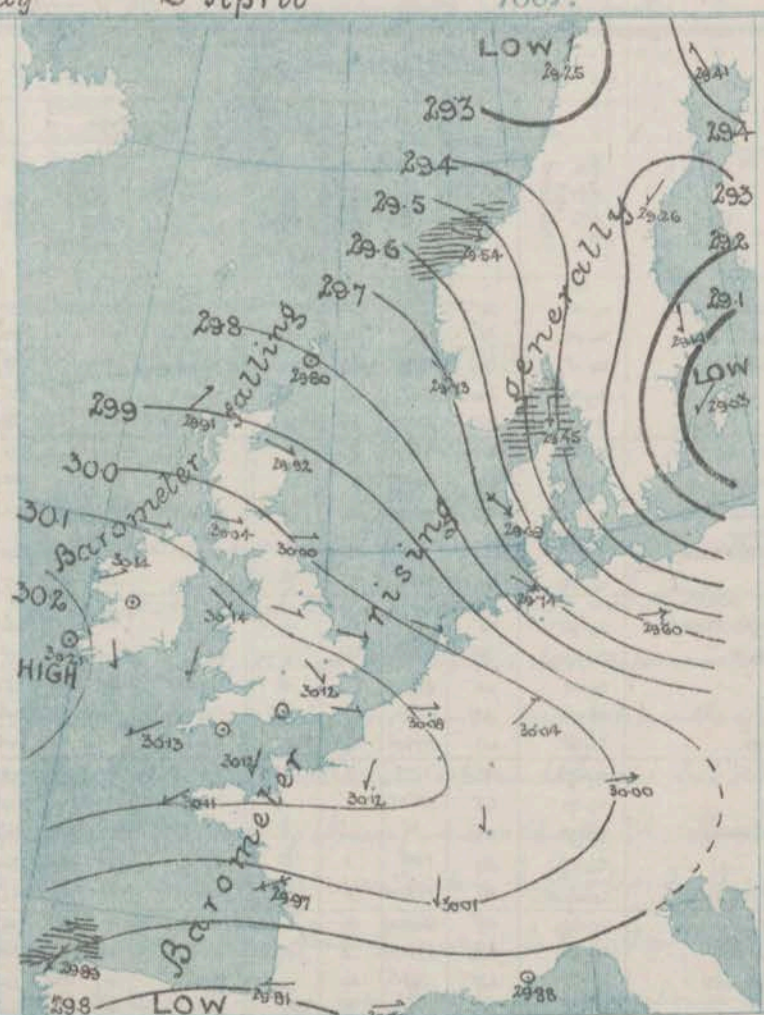
Sea Disturbance—where considerable is shown thus

— Rough. — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.838
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.860
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Scilly	29.897
Hurst Castle	29.866
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.878



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

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

Weather—is shown by Letters of the Beaufort Scale.

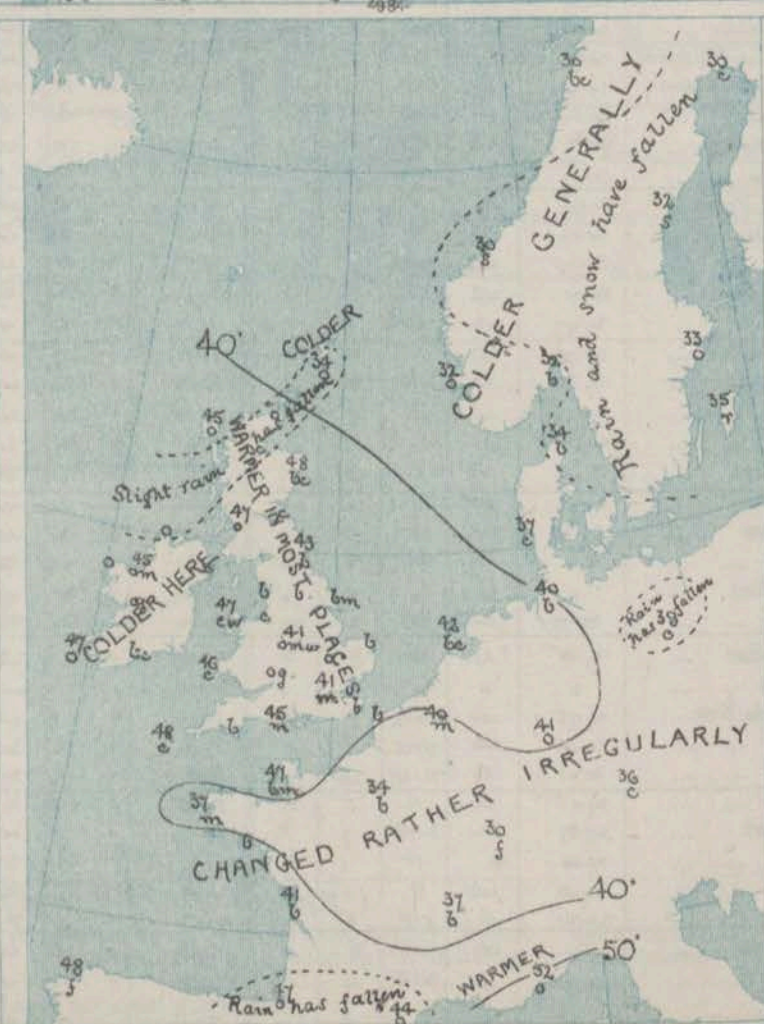
Rainfall—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	46.3	37.5	41.7	40.6	2.16
Stornoway	49.1	37.5	44.1	42.8	2.51
Wick	49.3	37.6	43.0	41.1	1.56
Nairn	51.6	38.4	43.4	40.6	1.28
Aberdeen	49.5	39.3	43.2	40.9	2.23
Leith	53.2	38.6	44.4	42.4	1.05
Shields	49.3	39.8	43.8	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.5	40.8	45.0	42.1	2.23
Donaghadee	51.8	40.3	45.0	43.4	2.02
Holyhead	52.3	43.1	46.4	44.5	1.86
Liverpool	53.2	41.0	46.0	43.1	1.56
Valencia	54.4	43.5	48.5	46.1	4.01
Roche's Point	54.7	42.9	47.3	45.2	3.43
Pembroke	51.2	42.5	45.9	44.0	2.10
Scilly	52.7	45.5	49.2	47.4	2.45
Hurst Castle	51.9	42.1	45.1	43.9	1.87
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	55.9	40.2	47.0	44.3	1.86
Oxford	54.9	39.6	44.9	43.0	1.79
Cambridge	56.3	38.4	45.8	43.5	1.76
Yarmouth	49.7	40.4	45.2	43.7	1.80

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, 30.21 ins: at Valencia; and 30.1 to 30.2 ins: over Ireland, Wales, the south of England, and north of France.
Lowest, 29.25 ins: at Bodi; 29.03 ins: at Kibby, and about 29.7 ins: or less, over the southern half of Spain.

Gradients steep over Denmark, Holstein, the south of Sweden, moderate over Holland, slight in our islands. Barometer rising in S.E., falling again at N. and N.W.

TEMPERATURE

Highest, 52° at Nice, 50° at Hawk Point, 47° or 48° at our extreme southwestern stations, and also in the N.E. of Scotland.

Lowest, 30° at Belfast, 30° to 35° in Sweden and Norway, 34° at Lumburg Head and 39° at Cambridge.

About London considerable variations were observed locally.

WIND

N.W., strong to a gale, on the eastern shores of the North Sea.

W. to N.W., light, in Great Britain - Calm in the Channel.

N.E. over the Bay of Biscay and at Sicily.

WEATHER

Changeable and squally over Scandinavia, with a great deal of snow in several places, rain in some.
Fine over France and England, but with local fogs.

(Dull and gloomy in the west and northwest of our islands, and on the south coast of France.)

SEA

Rough on the coasts of Norway and Denmark, moderate at Norway, smooth or nearly so elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

1. The depression noticed over Scandinavia yesterday is passing southwards towards Germany, and is undergoing some modification as to intensity.
2. A new disturbance is approaching the northern part of our area from the westward, but of its size and intensity nothing is certainly known at present.

FORECASTS

For the 24 hours ending at NOON on 4th APRIL 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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudeenæs ...	29.57	41	36	NW	8	c	5	Holyhead ...	30.04	49	45	NNW	3	bc	3
Sumburgh Head ...	29.69	42	39	NW	4	o	4	Valencia ...	30.17	32	44	N	4	bc	4
Stornoway ...	29.95	49	47	NNW	5	ag	4	Scilly ...	30.02	49	47	NNE	6	o	4
Aberdeen ...	29.85	32	45	NNW	6	bc	3	Dungeness ...	29.89	49	45	L	0	c	2
Shields ...	29.90	48	43	NE	2	bc	4	London ...	29.98	30	44	NNW	3	o	*
Ardrossan ...	29.66	32	49	NW	5	c	4	Yarmouth ...	29.86	47	43	NNW	5	bc	4
Malin Head ...	30.05	46	40	NNW	3	o	3	Jersey ...	29.95	47	43	NNE	3	b	3
Mullaghmore ...	30.12	49	46	NW	4	ow	2	Rocheport ...	29.89	53	47	NE	7	bc	2
Belmullet ...	30.17	48	46	N	4	o	*								

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

The Continental Reports for yesterday morning showed that pressure was highest, 29.9 ins: and upwards, in two anticyclonic systems lying respectively over the west of the British Islands and the south of Russia, and lowest, 29.1 ins: and less, in a large depression lying over Scandinavia. Off the East coast of Spain, however, there was a shallow depression with readings below 29.5 ins: . Moderate to strong NW³ or N² breezes prevailed over our Islands and the North Sea, and light S² breezes on the shores of the Baltic, but over southern Europe the wind was either variable or light from the E⁴. Rain was falling in the south of France and snow in Sweden, but elsewhere the weather was mostly fair. Temperature had risen a little over our Islands, Germany and the north and east of France, but fallen elsewhere; readings ranged from between 55° and 65° at the Algerian and Mediterranean stations to 32° or less over Central and Northern Russia. The highest individual readings were 63° at Algiers, 62° at Annars, 61° at Oran, 59° at Ifaz and 57° at Cagliari; the lowest were 25° at Archangel, 29° at Haparanda, 30° at Uleaborg and Rensburg and 31° at Lemberg.

In the course of the day the depression over Scandinavia moved southwards, and the barometer rose in all parts of our Islands. Very little change occurred, however, in the winds and weather.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Monday 4th April 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 ...	29.41	30	Z	0	0	29.38	- .03	23	23	- 7	SSE	2	0	*	36	?	—		
Hernösand ...	29.48	28	Z	0	0	29.40	+ .14	26	24	- 6	Z	0	0	*	39	?	—		
Stockholm ...	29.47	32	N	6	0	29.53	+ .39	31	28	- 2	SW	2	0	*	36	30	—		
Visby ...	29.32	35	N	8	0	29.63	+ .60	33	30	- 2	WNW	4	0	*	41	30	—		
Bodö ...	29.26	30	WSW	6	5	29.10	- .15	30	28	- 0	SE	2	0	1	34	27	—		
Christiansund...	29.47	32	W	4	0	29.23	- .31	35	33	+ 5	WNW	6	0	6	36	23	0.08		
Skudesnaes ...	29.62	34	SSE	6	5	29.44	- .29	39	37	+ 7	WNW	2	0	3	39	32	0.43		
Christiania Fjord (Færder)	29.66	37	WNW	2	0	29.30	- .15	37	37	+ 5	WSW	6	0	3	37	?	—		
Skagen (The Scaw)	29.70	?	NW	1	0	29.50	+ .05	40	40	+ 6	W	4	0	2	41	32	0.12		
Fanö ...	29.34	38	SSW	4	0	29.67	- .02	40	39	+ 3	SW	4	0	*	41	37	0.04		
BRITISH ISLANDS.																			
Sumburgh Head	29.55	45	W	3	0	29.41	- .29	38	36	+ 4	NE	1	0	2	47	33	—		
Stornoway ...	29.75	48	W	5	0	29.49	- .42	39	39	- 6	SW	1	0	1	49	36	0.29		
Wick ...	29.72	48	W	3	0	29.43	- .42	42	40	- 5	WNW	2	0	1	50	39	0.12		
Nairn ...	29.78	47	WSW	2	0	29.47	- .45	42	40	- 4	W	1	0	1	54	40	0.16		
Aberdeen...	29.79	50	WSW	1	0	29.45	- .47	46	45	- 2	NW	3	0	1	50	42	0.01		
Leith ...	29.87	49	W	4	0	29.55	- .47	48	46	+ 2	WSW	5	0	*	52	45	—		
Shields ...	29.93	50	SW	2	0	29.59	- .41	48	44	+ 5	WSW	3	0	2	57	41	—		
Spurn Head ...	29.97	47	WNW	4	0	29.74	- .31	44	42	+ 1	SW	4	0	3	54	40	—		
York ...	30.01	47	W	3	0	29.71	- .35	46	43	+ 2	WSW	3	0	*	53	42	—		
Loughborough	30.04	49	NW	2	0	29.80	- .30	43	40	+ 2	W	3	0	*	56	39	—		
GERMANY.																			
Ardrossan ...	29.93	46	W	3	0	29.56	- .48	44	43	- 3	W	3	0	3	58	43	0.14		
Malin Head ...	29.94	46	W	3	0	29.64	- .43	43	43	- 2	NW	3	0	3	47	43	0.24		
Mullaghmore ...	30.02	48	SW	4	0	29.69	- .47	45	44	- 0	W	4	0	3	50	43	0.08		
Belmullet ...	30.05	49	WSW	2	0	29.73	- .44	44	41	- 1	NW	5	0	*	49	44	0.24		
Donaghadee ...	30.01	49	W	3	0	29.63	- .47	45	45	- 0	W	3	0	1	51	44	0.03		
NETHERLANDS.																			
Barrow-in-Furness	30.02	44	SW	4	0	29.72	- .35	44	43	- 1	SW	4	0	*	50	44	—		
Liverpool (Bidston)	30.04	44	W	3	0	29.75	- .35	46	43	+ 2	SW	2	0	2	49	44	—		
Holyhead ...	30.08	45	SW	2	0	29.75	- .39	45	44	- 2	SW	4	0	3	48	44	—		
Parsonstown ...	30.09	48	Z	0	0	29.74	- .45	46	45	+ 2	W	1	0	*	49	43	0.08		
Valencia ...	30.14	48	W	2	0	29.84	- .37	46	44	- 2	WNW	4	0	4	51	44	0.15		
FRANCE.																			
Roche's Point...	30.12	49	WSW	3	0	29.84	- .33	48	46	+ 5	WSW	4	0	4	51	42	—		
Pembroke ...	30.12	46	WNW	2	0	29.83	- .32	45	43	- 1	WSW	4	0	3	50	44	—		
Seilly ...	30.10	49	NNE	4	0	29.91	- .22	48	46	- 0	WSW	1	0	2	50	43	—		
Prawle Point ...	30.09	49	WNW	2	0	29.89	- .25	47	44	- 3	Z	0	0	0	58	38	—		
Jersey ...	30.08	48	NNE	2	0	29.93	- .19	53	47	+ 6	Z	0	0	0	55	42	—		
SPAIN.																			
Hurst Castle ...	30.08	46	WSW	2	0	29.94	- .18	42	40	- 3	WNW	2	0	2	54	34	—		
Dungeness ...	30.03	46	WSW	4	0	29.89	- .20	44	43	- 1	WSW	4	0	3	50	40	—		
London ...	30.06	54	W	1	0	29.88	- .24	40	39	- 1	W	3	0	*	55	35	—		
Oxford ...	30.05	48	WNW	1	0	29.86	- .27	39	37	- 2	WSW	1	0	*	56	34	—		
Cambridge ...	30.05	46	WSW	1	0	29.84	- .27	44	41	+ 5	WSW	1	0	*	58	34	—		
FRANCE & NETHERLANDS.																			
Yarmouth ...	30.03	48	Z	0	0	29.82	- .23	46	43	+ 2	WSW	3	0	3	53	40	—		
Cuxhaven ...	29.95	39	NW	4	0	29.80	+ .06	42	41	+ 2	SW	3	0	*	43	39	—		
Berlin ...	29.87	38	NW	4	0	29.91	+ .31	37	35	- 1	SW	2	0	*	41	34	—		
Wiesbaden ...	*	*	*	*	*	30.02	- .02	40	38	- 1	W	1	0	*	52	34	—		
Munich ...	30.02	40	NE	1	0	30.03	+ .03	38	35	+ 2	SE	2	0	*	48	28	—		
NETHERLANDS.																			
The Helder ...	30.01	42	W	1	0	29.83	- .16	42	41	- 0	SW	3	0	2	46	39	—		
Brussels ...	*	*	*	*	*	29.93	- .15	42	42	+ 5	SSW	3	0	*	54	40	—		
Cape Gris Nez...	30.06	42	S	3	0	29.91	- .14	43	42	+ 1	S	4	0	2	52	41	—		
Paris ...	30.09	50	ENE	3	0	29.97	- .15	34	32	- 0	N	1	0	*	55	31	—		
Brest ...	30.09	53	ENE	5	0	29.96	- .15	42	41	+ 5	ENE	4	0	3	61	30	—		
FRANCE.																			
Lorient ...	30.03	53	ENE	4	0	29.94	- .14	43	39	+ 2	ENE	4	0	2	55	37	—		
Rochefort ...	29.99	57	ENE	5	0	29.91	- .06	44	42	+ 3	E	5	0	2	66	37	—		
Belfort ...	29.89	59	E	1	0	29.97	+ .21	46	44	+ 16	E	1	0	*	55	30	—		
Lyons ...	29.99	53	WNW	3	0	30.00	- .01	40	37	+ 3	WSW	1	0	*	56	37	—		
Nice ...	29.93	49	E	1	0	29.97	+ .09	48	47	- 4	E	3	0	1	59	45	—		
NETHERLANDS.																			
Perpignan ...	29.90	51	WSW	1	0	29.92	+ .08	53	53	+ 9	E	3	0	*	57	39	0.95		
Biarritz ...	29.87	50	E	3	0	29.84	+ .03	43	42	- 4	E	4	0	1	54	41	—		
FRANCE & NETHERLANDS.																			
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lisbon ...	29.72	51	WNW	4	0	29.78	+ .07	52	48	+ 7	WSW	3	0	2	55	30	—		

For Explanation of Columns, see p. 4.

WEATHER

CHARTS

for 8 a.m. on

Monday

4th April

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

→ = forces 5 to 7; → = forces 1 to 4;

○ = dead calm.

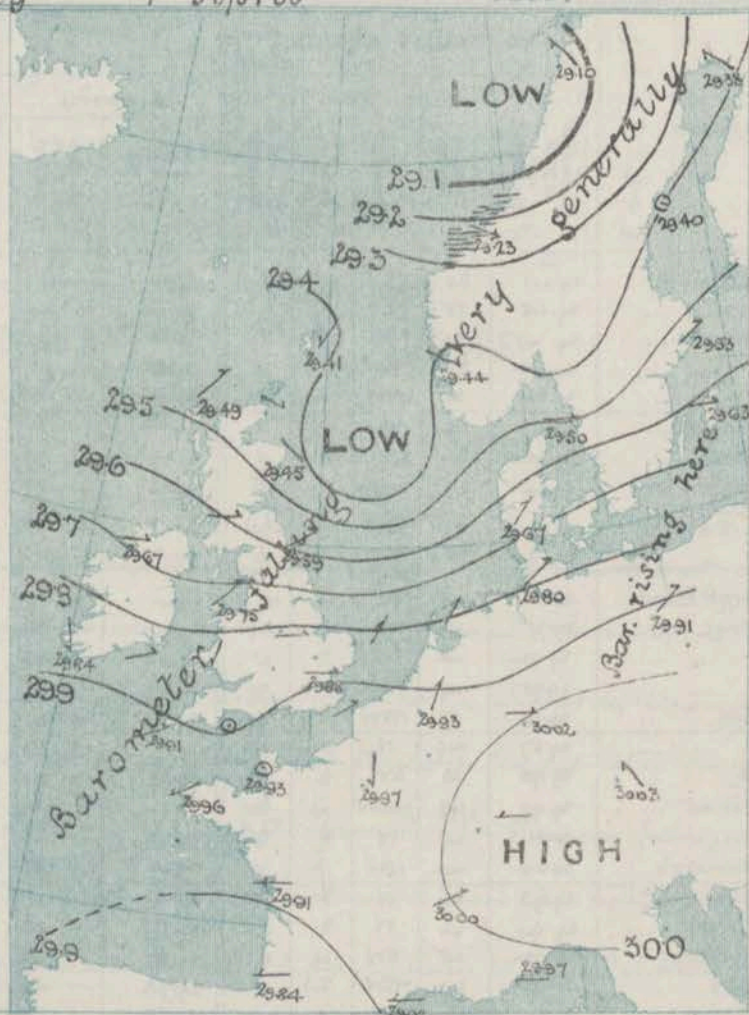
Sea Disturbance — where considerable is shown thus

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.838
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.869
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Scilly	29.867
Hurst Castle	29.868
Dover	29.868
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.873



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

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

Weather — Is shown by Letters of the Beaufort Scale.

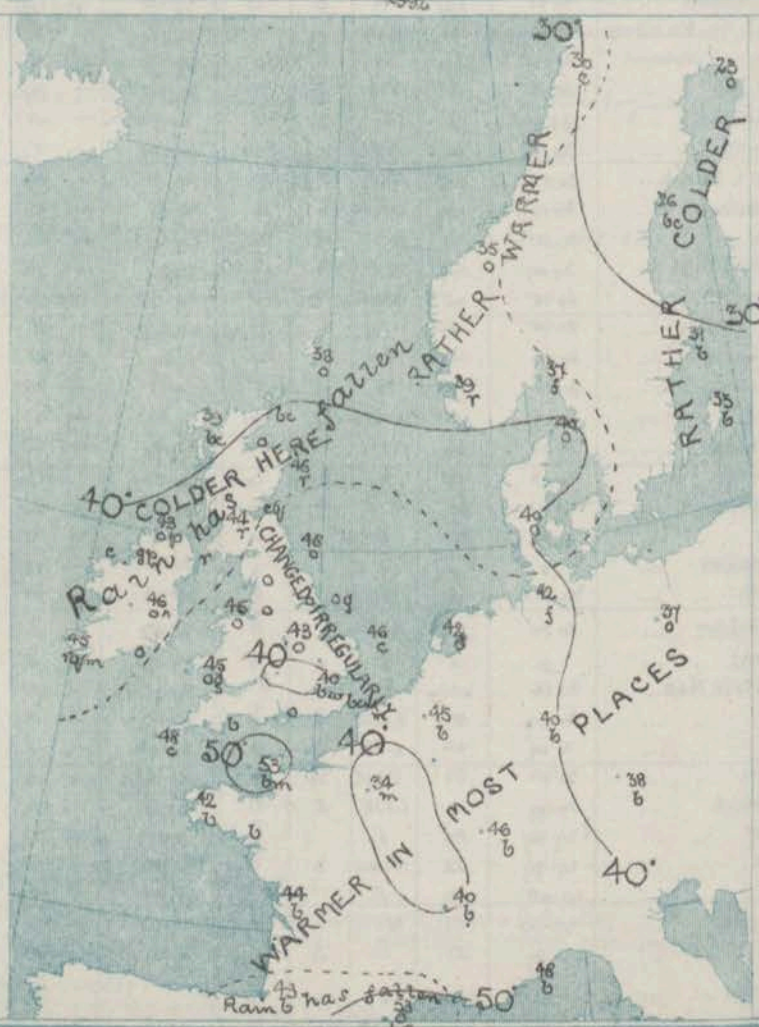
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	46.3	37.5	41.7	40.6	2.16
Stornoway	40.1	37.5	44.1	42.8	2.51
Wick	40.3	37.6	43.0	41.1	1.66
Nairn	51.6	38.4	43.4	40.8	1.23
Aberdeen	49.5	39.3	43.2	40.9	2.23
Leith	53.2	38.6	44.4	42.4	1.85
Shields	49.3	39.6	43.8	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.8	40.8	45.0	42.1	2.23
Donaghadee	51.8	40.3	45.0	43.4	2.02
Holyhead	52.3	43.1	46.4	44.5	1.86
Liverpool	53.3	41.0	46.0	43.1	1.66
Valencia	54.4	43.5	48.8	46.1	4.01
Roche's Point	54.7	42.9	47.3	45.2	3.43
Pembroke	51.2	42.5	45.9	44.0	2.10
Scilly	52.7	45.5	49.2	47.4	2.45
Hurst Castle	51.9	42.1	45.1	43.9	1.87
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	55.9	40.2	47.0	44.3	1.86
Oxford	54.9	39.6	44.9	43.0	1.79
Cambridge	56.3	38.4	45.6	43.5	1.76
Yarmouth	49.7	40.4	45.2	43.7	1.80

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. and more over Switzerland and South Germany, 29.90^{ins} more over France, the Channel & off on South-west coast.
Lowest, 29.1 ins. in the northwest of Norway, 29.5 ins. off the northeast of Scotland and 29.8 ins. and less over Portugal.
Gradients are slight in the south, moderate & irregular elsewhere. Barometer is falling in almost all places - briskly over Ireland & the S. of Norway.

TEMPERATURE

Highest, 53° at Perpignan, 52° at Lisbon, 48° at Scilly and 46° at Portonstown.
Lowest, 23° to 26° in north of Sweden, 30° to 35° in northwest of Norway, 39° at Hornøya and Oxford.
It is changing irregularly over our islands, rising in France and Germany, falling in Sweden.

WIND

Light to moderate from NE. and E. over France and Bay of Biscay.
Moderate to fresh W. (SW. to NW.) over the British Islands, North Sea, North Germany and the Baltic.
Light SE in North of Scandinavia; very light NE in the Shetlands.

WEATHER

Fine generally over Sweden, Germany, France and England, cloudy or overcast elsewhere, showery in Ireland and Scotland.
In London high detached stratus clouds are appearing in patches moving very slowly from west. Much dew fell and hoar-frost was formed over England early this morning.

SEA

Rough at Christiansund, moderate on our southwest coasts, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new depression which has appeared over the north of Norway in the night, and some shallow secondary systems over the North Sea and the west of our islands, appear to be moving eastwards. As they do so the showery weather now prevalent in the west will probably reach England also. For this kind of weather the present distribution of pressure is very favourable.

FORECASTS

For the 24 hours ending at NOON on 5 April 1887.

DISTRICTS.

FORECASTS.

0 SCOTLAND NORTH

NW^{ly} and variable winds; very changeable, rain at times and possibly sleet.

1 SCOTLAND EAST

.....D.....D.....D.....

2 ENGLAND N.E.

Same as N° 5.

3 ENGLAND EAST

Same as N° 5.

4 MIDLAND COUNTIES

Same as N° 5.

5 ENGLAND SOUTH

N^{ly} to NW^{ly} breezes, moderate or light; changeable, some showers.

DISTRICTS.

FORECASTS.

6 SCOTLAND WEST

Same as N° 0 and 1.

7 ENGLAND N.W.

SW^{ly} to NW^{ly} winds fresh; changeable, rain at times

8 ENGLAND S.W.

.....D.....D.....D.....

9 IRELAND NORTH

NW^{ly} and W^{ly} winds; changeable, rain at times.

10 IRELAND SOUTH

.....D.....D.....D.....

WARNINGS

None Issued.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.78	39	36	NW 4	C	4	Holyhead ...						
Sumburgh Head							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rochefort ...	29.99	62	52	ENE 7	6	2
Belmullet ...													

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

The Continental reports for yesterday morning showed that areas of high-pressure (30.1 ins and upwards) were lying respectively over the south of our islands and the Black Sea, the two systems being united by a "Col" which stretched across France, Italy and Greece. The lowest readings (29.7 ins and less) were found in a large depression which lay over the Baltic, but pressure was also low (29.7 ins and less) over Algeria and the south of Spain. Moderate W. breezes prevailed over the north of our islands as well as over Central Europe. Strong W. breezes on the eastern shores of the North Sea, and SE. or S. breezes over Russia, but over France and Southern Europe the wind was chiefly E. The weather was fair on the whole, but snow was falling on the shores of the Gulf of Finland as well as at Neufahrwasser, and rain in some parts of Italy. Temperature has fallen a little over the more northern countries, but risen in the south; readings ranged from between 55° and 65° at the Algerian and Mediterranean Stations to 32° or less over Northern Europe. The highest individual readings were 62° at Stax and Biskra, 60° at La Calle and Cagliari and 59° at Malta; the lowest were 28° at Kuopio and Moscow, 30° at Bodö, Christiansund and Haparanda, and 32° at Skudesnaes, Helsingfors and Ålesund.

In the course of the day the barometer fell briskly on our extreme northern coasts and there were indications of the approach of a new depression from the north-westward. The weather remained fine in the south of our islands, but became dull in the west and north with rain in the Shetlands.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 27th MARCH TO THE 2nd APRIL 1887.

In the course of this week the distribution of pressure over our islands and their neighbourhood varied greatly. At its commencement high-pressure systems prevailed over the south-west of France and over Finland. There was a depression over the Baltic and another off our north-western coast, of which the latter moved southwards to Germany and filled up, while the former either travelled rapidly away to the northward or else filled up off the west of Norway. The barometer then rose, the W. winds over the United Kingdom lulled, and the rainy weather cleared off. During the 29th and 30th the central area of an anticyclone lay over the British Islands, where the barometer rose to 30.5 ins and more. The 31st, however, brought an important change, a well-formed and somewhat large and deep depression advanced quickly from the north-westward to the Shetlands, whence it subsequently travelled southward, reaching the Netherlands by 8 am on April 1st, afterwards travelling over Eastern France and dispersing. Severe W. gales were caused over Scotland by this system, accompanied by snow and sleet, and similar conditions extended to England early next morning only that the gale was not felt severely except over the central parts of England, the wind being much less strong at the coast stations; in many places there was no gale at all. Saturday's observations showed that while this disturbance had disappeared, another one had appeared over Scandinavia. In our islands the weather of that day was fair and quiet, and the week closed with anticyclonic conditions, of a northerly type, over all parts of the United Kingdom.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Tuesday 5th April 1887.
Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, No. 5, Whitehall Street, London, E.C. 4, S.E. 11, Secretary.																			
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.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force (0 to 12.)		Reading at 3 P.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ..	29.34	23	5	2	c	29.30	-.08	27	26	+ .4	SE	2	c	*	36	16	—		
Hernösand ...	29.27	32	2	0	b	29.25	-.15	32	30	+ .6	N	4	o	*	37	18	—		
Stockholm ...	29.32	39	2	0	r	29.26	-.27	41	39	+ .10	SW	4	o	*	?	23	0.12		
Wisby ...	29.49	40	SW	4	r	29.41	-.22	42	40	+ .9	WSW	4	o	*	43	28	0.24		
Bodö ...	29.14	?	?	?	?	29.19	+ .09	30	29	0	S	2	s	0	32	25	—		
Christiansund...	29.32	32	N	4	b	29.30	+ .07	31	30	— .4	SSW	5	b	5	?	27	0.04		
Skudesnaes ...	29.36	35	NNW	4	c	29.32	+ .08	35	31	— .4	N	4	b	3	39	?	—		
Christiania Fjord (Færder)	29.23	40	SW	8	o	29.39	+ .06	35	32	— .2	NW	6	b	2	41	34	—		
Skagen (The Seaw)	29.32	41	WSW	3	o	29.38	-.12	39	38	— .1	NNE	1	c	0	45	37	0.08		
Fanö ...	29.49	39	SW	4	c	29.44	-.23	40	40	0	WSW	4	o	*	45	39	0.04		
BRITISH ISLANDS.																			
Sumburgh Head	29.44	36	NE	1	c	29.60	+ .19	36	33	— .2	NNW	3	c	2	40	30	—		
Stornoway ...	29.45	39	NNW	3	b	29.78	+ .29	32	32	— .7	NNE	4	s	4	45	31	0.45		
Wick ...	29.40	39	NE	4	o	29.72	+ .29	36	34	— .6	N	5	o	3	49	34	0.08		
Nairn ...	29.44	39	NW	2	c	29.66	+ .19	35	32	— .7	NNE	5	sp	5	47	31	0.30		
Aberdeen...	29.41	41	NW	4	r	29.60	+ .15	35	34	— .11	NE	6	s	5	49	33	0.22		
Leith ...	29.45	46	WSW	4	b	29.55	-.00	38	35	— .10	NW	1	b	*	51	31	—		
Shields ...	29.45	47	N	2	c	29.56	-.03	42	38	— .6	N	2	b	2	50	30	—		
Spurn Head ...	29.50	46	SW	4	o	29.51	-.23	40	38	— .4	NNW	4	c	3	48	37	0.10		
York ...	29.50	45	W	1	r	29.52	-.17	37	34	— .9	W	1	b	*	49	30	0.08		
Loughborough	29.54	47	SW	3	o	29.55	-.25	39	37	— .4	NNW	2	omv	*	49	37	0.06		
Ardrossan ...	29.51	45	NNW	4	b	29.57	+ .01	36	35	— .8	N	2	c	2	48	33	0.26		
Malin Head ...	29.53	40	NNW	4	omv	29.66	-.02	41	37	— .2	NNW	3	c	2	47	35	0.06		
Mullaghmore ...	29.62	43	NNW	5	b	29.64	-.03	41	38	— .4	NNW	3	c	3	48	35	0.24		
Belmullet ...	29.67	42	NNW	5	b	29.76	+ .03	42	39	— .2	NNW	9	c	*	45	38	0.24		
Donaghadee ...	29.57	42	N	3	b	29.58	-.05	38	37	— .7	NE	4	c	2	47	36	0.14		
Barrow-in-Furness	29.51	42	NW	3	o	29.54	-.18	37	36	— .7	ENE	1	b	*	44	34	0.26		
Liverpool (Bidston)	29.54	41	NNW	2	r	29.56	-.19	40	38	— .6	NNW	1	b	3	47	36	0.12		
Holyhead ...	29.57	42	N	4	c	29.56	-.19	40	38	— .5	NW	2	c	2	46	34	0.25		
Parsonstown ...	29.68	44	W	1	b	29.67	-.07	35	34	— .11	Z	0	crs	*	48	31	0.14		
Valencia ...	29.76	45	NW	5	b	29.76	-.08	45	42	0	NNW	6	c	6	51	38	0.17		
Roche's Point...	29.70	46	NNW	5	b	29.61	-.23	42	39	— .6	NW	5	b	4	48	37	0.03		
Pembroke ...	29.61	40	NW	4	o	29.58	-.25	40	37	— .5	NW	4	b	4	45	39	0.06		
Scilly ...	29.67	45	NNW	5	r	29.64	-.27	44	42	— .4	NNW	5	chq	5	52	40	0.08		
Prawle Point ...	29.65	45	WSW	3	c	29.61	-.28	45	41	— .2	NNW	2	b	2	51	34	0.05		
Jersey ...	29.67	50	NW	3	c	29.56	-.37	44	41	— .9	NNW	4	b	3	59	43	0.08		
Hurst Castle ...	29.63	45	WSW	3	b	29.54	-.40	40	39	— .2	NNE	4	c	2	53	38	—		
Dungeness ...	29.64	42	WSW	4	b	29.48	-.41	42	42	— .2	NNW	1	c	1	58	40	0.03		
London ...	29.59	32	W	2	b	29.51	-.37	41	39	+ .1	NNW	2	op	*	57	40	0.01		
Oxford ...	29.58	45	WSW	3	m	29.55	-.31	38	35	— .1	NNW	3	s	*	49	36	0.05		
Cambridge ...	29.53	46	WSW	1	c	29.53	-.31	37	36	— .7	N	1	s	*	49	36	—		
Yarmouth ...	29.59	47	W	4	b	29.48	-.34	43	41	— .3	NNW	2	c	2	49	40	—		
Cuxhaven ...	29.68	43	WSW	1	o	29.51	-.29	43	42	+ .1	SSE	1	m	*	46	41	—		
Berlin ...	29.73	49	SW	2	b	29.59	-.32	44	41	+ .7	S	1	b	*	55	?	—		
Wiesbaden ...	*	*	*	*	*	29.58	-.44	46	42	+ .6	SE	2	b	*	57	37	—		
Munich ...	29.83	44	SE	3	b	29.68	-.35	45	41	+ .7	SE	2	b	*	55	32	—		
FRANCE & NETHERLANDS.																			
The Helder ...	29.58	42	SW	1	b	29.45	-.38	42	41	0	SW	1	c	1	46	36	—		
Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Cape Gris Nez...	29.64	45	S	3	b	29.48	-.43	43	43	0	SW	1	o	0	52	43	—		
Paris ...	29.67	62	SSW	1	b	29.52	-.45	44	43	+ .10	N	1	o	*	66	?	0.04		
Brest ...	29.77	47	NW	5	o	29.71	-.25	42	38	0	N	5	b	3	59	24	—		
Lorient ...	29.72	49	NNW	4	o	29.61	-.33	42	40	— .1	NNW	5	o	4	59	39	0.12		
Rochefort ...	29.79	57	SSW	3	b	29.60	-.31	48	48	+ .4	ENE	3	m	1	65	41	—		
Belfort ...	29.80	52	E	1	b	29.61	-.35	55	51	+ .9	E	1	c	*	65	38	—		
Lyons ...	29.77	49	SSW	4	b	29.61	-.39	48	45	+ .8	S	3	ors	*	67	48	0.08		
Nice ...	29.92	52	ESE	1	b	29.78	-.19	47	47	— .1	E	4	r	2	61	45	0.20		
Perpignan ...	29.82	55	SE	1	o	29.62	-.30	49	48	— .4	SW	1	o	*	63	45	0.04		
Biarritz ...	29.74	59	NE	4	c	29.61	-.23	53	47	+ .10	W	8	o	3	63	?	—		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Lisbon ...	29.82	53	NNW	5	r	29.98	+ .20	53	48	+ .1	NNW	5	c	4	61	52	0.12		

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

WEATHER CHARTS

for 8 a.m. on

Tuesday 5th April

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

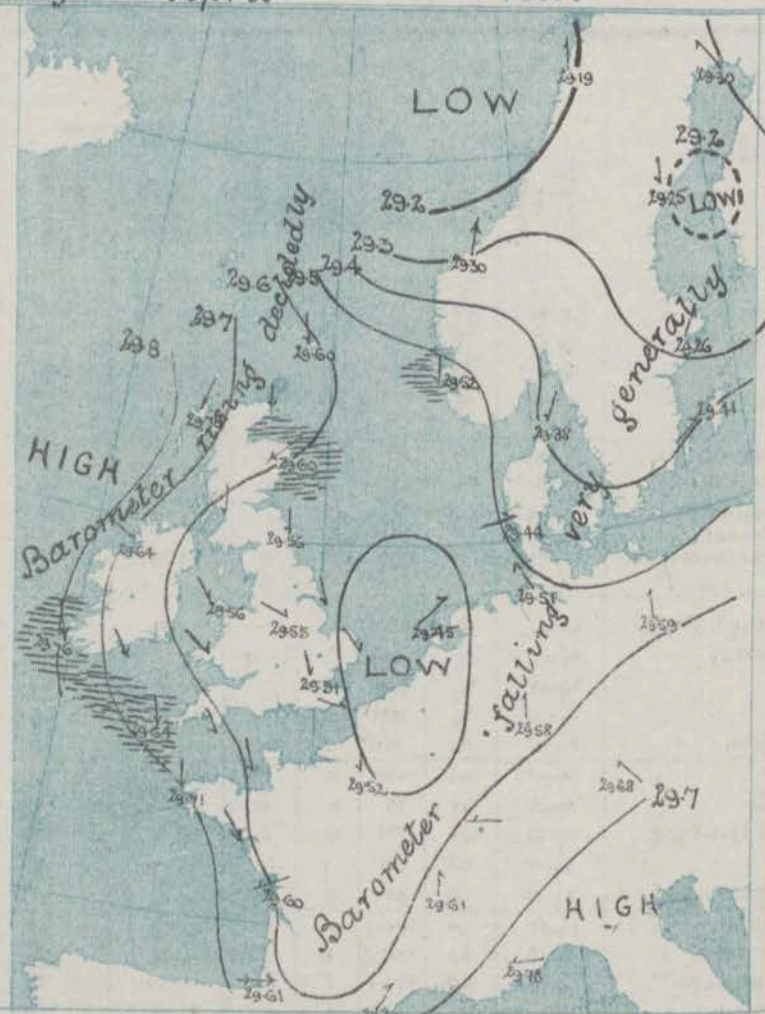
Barometer — Iso-bars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 — = forces above 10; — = forces 8 to 10;
 — = forces 5 to 7; — = forces 1 to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

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.838
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Scilly	29.867
Hurst Castle	29.866
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.873



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

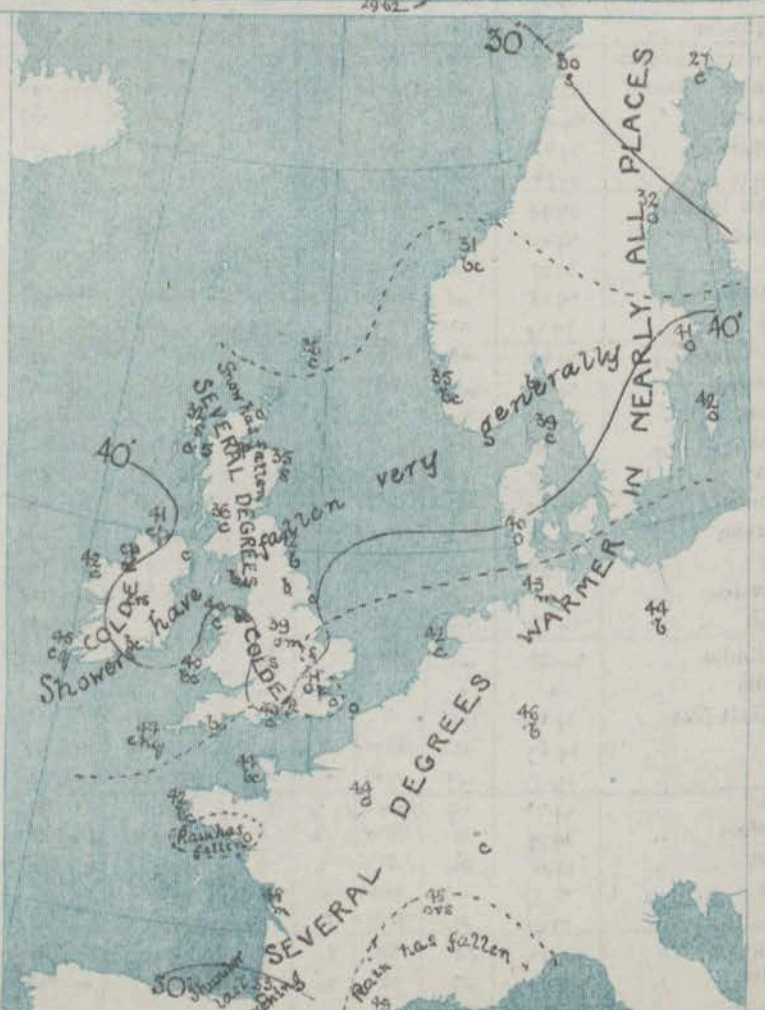
Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.
Weather — is shown by Letters of the Beaufort Scale.
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.	At 4 p.m.	
Sumburgh Head	46.3	37.5	41.7	40.6	2.16
Stornoway	49.1	37.5	44.1	42.3	2.51
Wick	49.3	37.6	43.0	41.1	1.68
Nairn	51.6	38.4	43.4	40.8	1.23
Aberdeen	49.5	39.3	43.2	40.9	2.23
Leith	53.2	38.6	44.4	42.4	1.65
Shields	49.3	39.8	43.8	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.8	40.8	45.0	42.1	2.23
Donaghadee	51.8	40.3	45.0	43.4	2.02
Holyhead	52.3	43.1	46.4	44.6	1.86
Liverpool	53.3	41.0	46.0	43.1	1.58
Valencia	54.4	43.5	48.8	46.1	4.01
Roche's Point	54.2	42.9	47.3	45.2	3.43
Pembroke	51.2	42.5	45.9	44.0	2.10
Scilly	52.7	45.5	49.2	47.4	2.45
Hurst Castle	51.9	42.1	45.1	43.9	1.87
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	55.9	40.2	47.0	44.3	1.86
Oxford	54.9	39.6	44.9	43.0	1.79
Cambridge	56.3	38.4	45.8	43.5	1.78
Yarmouth	49.7	40.4	45.2	43.7	1.80

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, 29.9 ins and upwards over Portugal, but also high, 29.8 ins and upwards to the westward of Ireland and Scotland.
 Lowest, 29.2 ins and less in a depression lying off the north-west of Norway but also low, 29.5 ins and less in a large shallow disturbance lying over the Netherlands and east of England.
 A large area or trough of low pressure lies over the North Sea, England, the Netherlands and France.

TEMPERATURE

Highest, 53° at Biarritz and Lisbon, 44° at Perpignan and 43° at Rochefort and Lyons; highest in our islands 45° at Valencia.
 Lowest, 27° at Haparanda, 30° at Bodø, 31° at Christianund, 32° at Helsingfors and 35° at Narvik, Aberdeen and Portonmouth.

WIND

Strong from N.N.E. in Scotland, and from NW on our extreme western and south-western coasts with a gale at Belmullet.
 Light from NW or N over England and the north of France.
 Light from the S in Germany and also in the north-west of Norway.

WEATHER

Changeable and showery in most districts, with snow in Scotland as well as at Ayr and Cambridge and sleet at Portonmouth.
 In the course of the past twenty-four hours heavy snow has fallen at some of the Scotch stations.

SEA

Rough at Valencia and rather rough off the north-east of Scotland as well as at Lundy; moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now rising briskly in the north and slightly in most parts of the United Kingdom and the depression off the east of England seems likely to move away towards Germany.

In its place the wind will probably freshen from NW or N over England, with a continuance of cold showers in most districts.

FORECASTS

For the 24 hours ending at NOON on 6th April 1887.

DISTRICTS.

FORECASTS.

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

N^{ly} winds, strong, unsettled, some snow showers.

D° ————— D°

Same as N° 5.

Same as N° 5.

Same as N° 5.

NW^{ly} and N^{ly} winds, freshening, changeable, some cold showers.

DISTRICTS.

FORECASTS.

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

Same as N° 5.

Same as N° 5.

NW^{ly} and N^{ly} winds, strong, squally, some cold showers.

D° ————— D°

D° ————— D°

WARNINGS

None issued.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.36	39	38	NNW	2	h	3	Holyhead ...	29.61	44	44	W	3	h	3
Sumburgh Head	29.42	38	34	NE	2	o	2	Valencia ...	29.80	46	44	NNW	4	log	4
Stornoway ...	29.45	41	40	NW	3	chsep	1	Scilly ...	29.77	52	49	WSW	5	c	4
Aberdeen ...	29.42	46	44	NNW	4	p	1	Dungeness ...	29.75	49	47	WSW	4	b	3
Shields ...	29.50	48	45	WSW	3	c	2	London ...	29.68	56	48	SW	3	b	*
Ardrossan ...	29.51	48	44	WNW	5	b	4	Yarmouth ...	29.69	48	44	WSW	4	be	3
Malin Head ...	29.54	44	41	NNW	3	c	3	Jersey ...	29.77	55	47	WNW	2	b	2
Mullaghmore ...	29.67	42	40	NW	6	be	5	Rocheport ...	29.87	63	55	NW	1	b	2
Belmullet ...	29.67	43	39	NNW	4	log	*								

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

Yesterday morning's reports showed that pressure varied from about 30.0 ins. over Italy, and somewhat above 29.9 ins. over Austria, South Germany, and the north of France to about 29.75 ins. in the north of Spain on the one hand, and to 29.1 ins. over the north of Norway on the other. In the south of Europe the distribution of pressure was comparatively simple, but in the northwest it was complex owing to the appearance of a new depression off the northwest coast of Norway, and several shallow subsidiary systems over the North Sea and British Isles. The wind was chiefly W¹ over the British Isles and Baltic, and SW¹ over the Eastern shores of the North Sea and North Germany, while over France and the Bay of Biscay it was NE³. The weather was fine in England and France, dull elsewhere, with cold showers in several places and an unsettled appearance of the sky. Temperature varied from nearly 60° over the southern parts of the Mediterranean, and a little above 50° in the west of Portugal and on the Mediterranean coasts of France and Northern Italy to between 40° and 48° over the British Isles and to several degrees below the freezing point over the northern parts of Scandinavia and Northern Russia. The highest individual values were 62° at Sfax, 61° at Algiers, 59° at Malta, Cagliari, Tangier and Bilbao, 55° at Rhindisi, 54° at Naples, 52° at Lisbon, 51° at Livorno, 50° at Pesaro, Marseille, and Civitella and 48° at Seville and Roches Pt; the lowest were 23° at Haparanda, 26° at Hernand and Kuopio, 28° at Archangel and Uleaborg, 30° at Cassow, and 31° at Lemberg and Rode.

Later on other local disturbances appeared in the northwest, and moving southeastwards caused NW² breezes and cold showers to spread all over the British Isles. In London the day was very bright, and the change did not set in till night-time.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Wednesday 6th April 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 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sun. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Weather.	Max.		Min.	
	Inch.	°				Inch.	Inch.	°	°	°	°			°	°	Inch.		
SCANDINAVIA.																		
Haparanda ..	29.31	35	E	2	o	29.54	+ .24	26	25	1	Z	0	b	*	29	23	—	
Hernösand ...	29.45	32	Z	0	b	29.73	+ .48	32	25	0	NNW	2	b	*	29	27	—	
Stockholm ...	29.61	33	Z	0	c	29.78	+ .52	34	30	7	Z	0	b	*	45	?	—	
Wisby ...	29.56	40	WSW	4	c	29.71	+ .30	45	37	3	ESE	4	o	*	45	37	—	
Bodö ...	29.40	33	NW	1	c	29.70	+ .57	30	27	0	NNW	4	b	2	24	28	—	
Christiansund...	29.66	35	NNW	8	o	29.95	+ .65	31	28	0	NNW	6	c	5	37	27	0.16	
Skudesnaes ...	29.76	36	NNW	2	c	29.99	+ .47	36	32	1	NNW	5	b	3	41	?	—	
Christiania Fjord (Færder)	29.62	40	Z	0	b	29.84	+ .45	36	31	1	NNW	4	b	1	41	34	—	
Skagen (The Sound)	29.67	35	NNE	1	b	29.88	+ .45	39	35	0	NNE	2	b	2	43	34	—	
Fanö ...	29.61	40	NE	4	o	29.80	+ .36	37	34	3	NNE	4	b	*	46	32	—	
BRITISH ISLANDS.																		
Sumburgh Head	29.90	33	N	4	b	30.18	+ .58	33	29	3	NNE	2	o	2	42	29	—	
Stornoway ...	30.03	34	NNE	8	c	30.26	+ .48	34	34	2	N	2	o	2	39	30	0.15	
Wick ...	29.94	38	N	5	s	30.23	+ .51	34	32	2	NW	4	o	2	39	30	0.09	
Nairn ...	29.96	35	NNE	4	s	30.23	+ .57	34	32	1	N	2	c	2	40	31	0.02	
Aberdeen...	29.86	38	N	4	b	30.18	+ .58	36	32	1	N	3	b	2	42	32	0.09	
Leith ...	29.86	41	NE	3	c	30.18	+ .63	39	37	1	NE	3	c	*	47	33	0.06	
Shields ...	29.74	40	NE	4	c	30.07	+ .51	41	37	1	NE	5	c	5	46	37	0.05	
Spurn Head ...	29.65	41	NE	5	c	29.93	+ .42	42	39	2	NE	8	b	6	44	37	0.01	
York ...	29.72	44	N	2	b	30.02	+ .48	40	38	3	NNE	4	b	*	50	35	0.01	
Loughborough	29.63	42	NE	1	o	29.90	+ .35	41	38	2	NNE	5	b	*	50	36	0.04	
GERMANY.																		
Ardrossan ...	29.86	41	NNE	4	c	30.17	+ .60	38	34	2	NE	3	b	2	43	33	—	
Malin Head ...	29.89	38	N	6	c	30.24	+ .38	38	35	3	NNE	3	c	3	41	33	0.01	
Mullaghmore ...	29.95	40	NE	7	b	30.21	+ .57	41	37	0	ENE	5	b	4	43	36	0.05	
Belmullet ...	30.01	39	NNE	10	b	30.24	+ .48	37	36	5	E	3	b	*	43	34	0.12	
Donaghadee ...	29.84	41	E	6	c	30.17	+ .59	40	36	2	ENE	7	b	5	47	35	—	
BRITISH ISLANDS.																		
Barrow-in-Furness	29.74	40	N	2	b	30.10	+ .86	39	36	2	NE	5	b	*	47	36	0.02	
Liverpool (Biddon)	29.70	39	N	1	o	30.02	+ .46	40	37	0	NNE	3	c	3	46	35	0.02	
Holyhead ...	29.71	41	NNE	4	b	30.07	+ .51	41	37	1	NNE	6	c	5	44	39	0.01	
Parsonstown ...	29.88	41	NNW	2	c	30.15	+ .48	38	35	3	NE	1	b	*	45	31	0.12	
Valencia ...	29.96	42	NNE	6	c	30.17	+ .41	42	38	3	NE	5	b	6	47	38	0.17	
FRANCE & NETHERLANDS.																		
Roche's Point...	29.80	42	N	7	c	30.09	+ .48	39	35	3	N	4	b	4	45	35	0.01	
Pembroke ...	29.69	41	NNW	4	b	29.95	+ .37	42	37	2	NNE	6	b	3	45	37	—	
Scilly ...	29.70	44	N	5	c	29.86	+ .22	42	40	2	NE	7	c	6	47	37	0.19	
Prawle Point ...	29.61	42	N	2	c	29.79	+ .18	40	36	5	N	7	o	6	52	34	—	
Jersey ...	29.58	45	NNW	3	b	29.61	+ .05	41	39	3	NE	7	o	5	49	40	0.22	
GERMANY.																		
Hurst Castle ...	29.60	44	ENE	4	c	29.72	+ .18	41	40	1	NNE	6	c	3	50	38	0.03	
Dungeness ...	29.51	42	NE	3	r	29.58	+ .10	41	40	1	NNE	6	r	5	43	39	0.20	
London ...	29.61	38	NNW	4	o	29.72	+ .21	40	37	1	NE	6	o	*	41	38	0.13	
Oxford ...	29.69	39	NE	2	c	29.82	+ .27	40	37	2	NE	6	c	*	48	37	—	
Cambridge ...	29.62	40	N	2	o	29.82	+ .29	41	39	4	N	4	o	*	42	36	0.05	
FRANCE & NETHERLANDS.																		
Yarmouth ...	29.57	42	NNE	3	c	29.78	+ .30	41	39	2	NE	8	c	6	45	39	—	
Cuxhaven ...	29.50	40	NE	2	b	29.70	+ .19	39	38	4	NE	5	b	*	?	37	0.30	
Berlin ...	29.49	58	SSE	1	b	29.55	— .04	45	45	4	SE	1	c	*	66	33	—	
Wiesbaden ...	*	*	*	*	*	29.54	— .04	51	49	5	Z	0	o	*	64	41	—	
Munich ...	No observations					29.50	— .18	43	41	2	SW	3	b	*	64	37	—	
FRANCE & NETHERLANDS.																		
The Helder ...	29.57	41	NNE	3	o	29.70	+ .25	41	39	1	NE	7	o	4	45	39	—	
Brussels ...	*	*	*	*	*													
Cape Gris Nez...	29.52	42	E	5	r	29.47	— .01	41	41	2	NE	9	r	7	46	39	0.24	
Paris ...	29.52	50	NNE	3	o	29.49	— .03	43	41	1	NW	3	o	*	54	42	0.16	
Brest ...	29.68	38	NNW	5	o	29.73	+ .02	38	36	4	NNE	7	r	4	54	34	0.08	
FRANCE & NETHERLANDS.																		
Lorient ...	29.64	43	NNW	7	o	29.65	+ .05	41	39	7	N	3	b	2	55	34	0.24	
Rochefort ...	29.54	53	N	1	r	29.54	— .08	46	44	9	NNW	3	o	*	60	43	—	
Belfort ...	29.52	47	SSW	4	o	29.56	— .05	42	41	6	NNW	1	o	*	54	41	0.16	
Lyons ...	29.50	48	S	1	r	29.57	— .27	46	43	1	E	3	o	1	50	44	0.63	
Nice ...	29.65	48	NNW	3	r	29.55	— .07	45	41	4	NNW	3	o	*	61	43	0.67	
Perpignan ...	29.73	48	N	8	c	29.62	+ .01	42	39	11	N	8	r	5	54	39	0.47	
Biarritz ...																		
FRANCE & NETHERLANDS.																		
Corunna ...	*	*	*	*	*													
Lisbon ...	30.03	49	N	5	b	29.91	— .07	48	45	5	NNW	5	b	4	57	45	—	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on WEDNESDAY, 6TH APRIL.

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 3 to 4;

○ = dead calm.

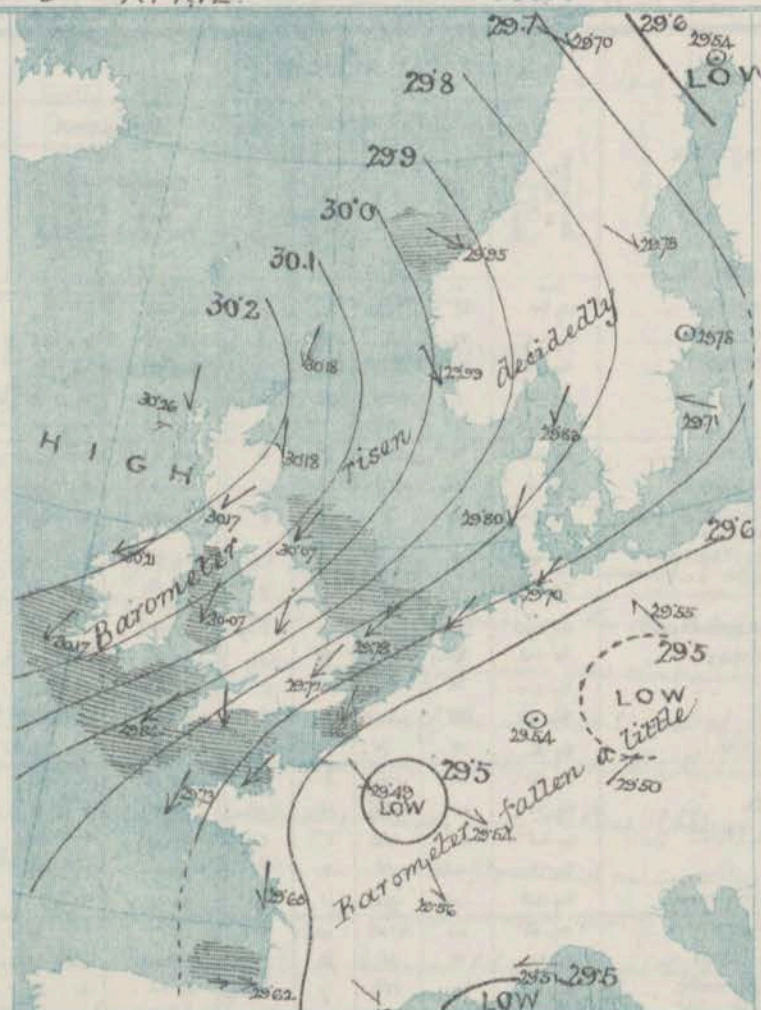
Sea Disturbance — where considerable is shown thus

— Rough. — High.

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of April.
During the 10 Years 1871-1880.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.838
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Scilly	29.887
Hurst Castle	29.868
Dover	29.868
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.873



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	Average Day.	Average Night.	
Sumburgh Head	46.0	37.5	41.7	40.0	2.16
Stornoway	40.1	37.5	44.1	42.8	2.51
Wick	49.8	37.0	48.0	41.1	1.56
Nairn	51.0	38.4	48.4	40.8	1.23
Aberdeen	49.5	39.8	48.2	40.9	2.23
Leith	53.2	38.0	44.4	42.4	1.05
Shields	49.3	39.8	48.8	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.8	40.5	46.0	43.1	2.23
Donaghadee	51.8	40.3	45.0	43.4	2.02
Holyhead	52.3	43.1	46.4	44.5	1.86
Liverpool	53.3	41.0	46.0	43.1	1.56
Valencia	54.4	43.5	48.8	46.1	4.01
Roche's Point	54.7	42.9	47.3	45.2	3.43
Pembroke	51.2	42.5	46.9	44.0	2.10
Scilly	52.7	45.5	49.2	47.4	2.45
Hurst Castle	51.9	42.1	45.1	43.9	1.87
Dover	51.5	42.6	46.4	43.3	1.81
LONDON	56.9	40.2	47.0	44.3	1.86
Oxford	54.0	39.6	44.9	43.0	1.79
Cambridge	56.3	38.4	45.6	43.5	1.76
Yarmouth	49.7	40.4	45.2	43.7	1.80

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 north-western part of Ireland and Scotland and 29.9 ins at Siston.
Lowest, 29.49 ins to 29.55 ins over France and Germany.
Gradients, moderate in the north and west, rather steep over England and the Channel, slight and irregular over France and Germany, where shallow local depressions are found.

TEMPERATURE

Highest, 51° at Wiesbaden, 48° at Berlin and Lisbon, 46° at Belfast, 42° on our south-western coasts.
Lowest, 26° at Hafavanda, 30° at Dixie, 33° at Drumburgh Head, 34° over the northern half of Scotland.
It has fallen decidedly on our southern coasts and over France. [It rose to about 65° over Germany yesterday afternoon.]

WIND

NW, moderate over Scandinavia, N, moderate in Denmark and Scotland.
NE, over Ireland, England, the Channel and the Netherlands, strong in most places, a moderate to fresh gale in the east.
N, strong, over the Bay of Biscay, W, gale at Biarritz.

WEATHER

Fine in north and north-west, cloudy and squally over England; dull with local showers over France.
[A great deal of snow fell in Caithness yesterday, and some sleet or rain at most stations. A thunderstorm occurred at Birkenhead.]

SEA

Rough on our coasts, except in the north, rather rough at Christiansund, high at Cape Fréhel, smooth off the Scotch coasts and the west of France.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depressions noticed yesterday have moved south-eastwards to France and are apparently still moving in the same direction. The barometer is rising over the United Kingdom, most in the north, but as gradients are now growing less steep, a decrease in the force of the wind and an improvement in the weather over England is probable.

FORECASTS

for the 24 hours ending at NOON on 7th April 1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	N ^{ly} and NW ^{ly} breezes, moderate or light; fair, cold.
1	SCOTLAND EAST	-----D°-----D°-----
2	ENGLAND N.E.	NE ^{ly} winds, strong to fresh; fair, cold.
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	Same as N° 2.
5	ENGLAND SOUTH	NE ^{ly} winds, strong, squally, cloudy, a few slight showers then finer and colder.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NE ^{ly} winds, fresh, gusty; dry.
7	ENGLAND N.W.	-----D°-----D°-----
8	ENGLAND S.W.	Same as N° 5.
9	IRELAND NORTH	NE ^{ly} winds, fresh to light; fair, cold.
10	IRELAND SOUTH	-----D°-----D°-----

WARNINGS

The N. cone was hoisted yesterday afternoon in districts 0, 1, 6, 7 and 9, but has been lowered again this morning.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudeenaes ...	29.65	41	34	NNW 6	b	2	Holyhead ...	29.65	40	39	NW 4	bcph	6
Sumburgh Head ...	29.76	39	35	N 4	bc	4	Valencia ...	29.90	45	40	N 6	cq	6
Stornoway ...	29.92	32	33	NNE 8	sq	7	Scilly ...	29.65	39	39	NNW 2	rhq	5
Aberdeen ...	29.78	40	36	N 5	c	4	Dungeness ...	29.50	42	42	NNE 3	r	1
Shields ...	29.63	46	41	N 4	b	2	London ...	29.57	41	39	NNW 3	ogr	*
Ardrossan ...	29.75	41	38	NNE 4	o	3	Yarmouth ...	29.55	44	42	N 4	c	3
Malin Head ...	29.88	39	37	NNE 4	o	5	Jersey ...	29.59	47	41	NW 3	c	3
Mullaghmore ...	29.82	39	27	NNE 7	c	6	Rochefort ...	29.57	48	45	N 7	o	2
Belmullet ...	29.93	39	37	N 10	bcfo	*							

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

The reports for yesterday morning showed that pressure varied from a little above 30.1 ins. on the shores of the Black Sea, and from 29.9 ins. over the southwestern part of the Iberian Peninsula, to rather below 29.3 ins. over the Gulf of Bothnia and the northern parts of Scandinavia, and to 29.2 ins. off the northwest of Norway. Over these latter regions, the North Sea, and England lay a series of shallow disturbances, causing variable winds, and unsettled, showery, weather, while over the British Isles the wind has veered to NW. or N., and was becoming strong in the far west, with showers of cold rain or sleet in many places. Temperature had decreased over Northwestern Europe, and ranged from about 59° over the south-eastern parts of the Mediterranean, and from rather above 50° in the north and west of Spain, as well as on the Mediterranean coasts of France and Northern Italy, to between 40° and 45° over the southwestern portions of the British Isles, and to rather below the freezing point over Northern Europe. The highest individual readings were 62° at Sfax (Algeria) 59° at Sanguinair, Brindisi, and Palma, 58° at Malta, 56° at Naples, 53° at Palermo, Lisbon, and Biarritz, and 52° at Oporto; the lowest 27° at Haparanda, 29° at Uleaborg, and Kuopio, 30° at Rode and 31° at Hermannstadt.

Later on the N. wind increased to a gale on the extreme northwestern coasts of the British Isles, and as the barometer rose rapidly at the northern stations the wind increased from N. and NE over the British Isles generally, with slight cold rain and sleet locally.

EASTER HOLIDAYS.

Notice.

The Daily Weather Report for Good Friday (April 8th) will not be issued until Monday (April 11th); that for Easter Sunday (April 10th) will be issued on Tuesday, as usual.

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 7th April

1887.

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

Issued by the Meteorological Office, 16, 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 ..	29.80	24	N	2	b	29.96	+ .12	26	25	0	N	2	b	*	37	12		
Hernösand ...	29.93	31	W	0	b	30.05	+ .32	28	25	- 4	N	2	b	*	45	21		
Stockholm ...	29.99	35	N	2	bc	30.00	+ .22	32	26	- 2	N	4	b	*	45	28		
Wisby ...	29.86	34	SE	4	bc	29.93	+ .22	35	36	- 10	NE	4	b	*	46	32		
Bodö ...	29.91	32	W	2	b	30.01	+ .31	28	25	- 2	ENE	4	c	2	36	23		
Christiansund...	30.08	38	WNW	6	3	30.04	+ .09	36	35	+ 5	WSW	6	n	5	36	29	0.12	
Skudesnaes ...	30.13	35	WNW	6	b	30.23	+ .24	39	33	+ 3	N	2	b	2	39	32		
Christiania Fjord (Færder)	30.02	39	WNW	4	b	30.17	+ .33	34	30	- 2	WNW	4	b	1	43	32		
Skagen (The Scaw)	29.98	41	NE	2	b	30.15	+ .32	37	32	- 2	NE	2	b	2	43	34		
Fanö ...	29.96	35	ENE	4	b	30.06	+ .26	38	35	+ 1	NE	4	b	*	45	32		
BRITISH ISLANDS.																		
Sumburgh Head	30.22	36	W	0	o	30.27	+ .09	41	39	+ 8	W	0	c	1	41	31		
Stornoway ...	30.29	37	NE	2	o	30.36	+ .10	34	33	0	N	1	b	1	39	29		
Wick ...	30.29	36	WNW	3	o	30.32	+ .09	37	35	+ 3	WNW	2	o	1	38	30		
Nairn ...	30.27	36	ENE	3	c	30.34	+ .11	36	34	+ 2	W	0	o	1	42	32		
Aberdeen...	30.25	37	ENE	2	o	30.31	+ .13	38	35	+ 2	NE	1	o	2	39	34		
Leith ...	30.25	40	NE	1	c	30.29	+ .11	38	36	- 1	NE	2	o	*	44	36		
Shields ...	30.15	40	ENE	3	chp	30.21	+ .14	41	37	0	NE	4	o	5	44	37		
Spurn Head ...	30.03	41	ENE	7	c	30.08	+ .15	42	38	0	NE	6	bq	6	45	37		
York ...	30.10	41	ENE	4	c	30.15	+ .13	40	35	0	NNE	3	c	*	48	36	0.01	
Loughborough	30.02	40	ENE	5	c	30.07	+ .17	39	35	- 2	ENE	5	b	*	48	33		
Ardrossan ...	30.21	41	ENE	3	b	30.28	+ .11	36	34	- 2	ENE	3	o	2	44	33		
Malin Head ...	30.21	39	N	3	b	30.27	+ .03	38	34	0	ENE	3	o	3	41	34		
Mullaghmore ...	30.20	43	NE	5	bv	30.26	+ .05	37	33	- 4	E	5	c	3	46	33		
Belmullet ...	30.21	43	ENE	3	b	30.26	+ .02	37	35	0	E	4	bc	*	45	34		
Donaghadee ...	30.19	43	E	5	bc	30.25	+ .08	39	35	- 1	E	6	o	4	45	37		
Barrow-in-Furness	30.13	40	ENE	3	c	30.17	+ .07	37	33	- 2	ENE	3	c	*	45	35		
Liverpool (Bidston)	30.10	40	NE	5	bc	30.13	+ .11	40	35	0	NE	3	c	3	46	34		
Holyhead ...	30.12	41	NE	6	bc	30.15	+ .08	39	36	- 2	ENE	6	cq/s	3	43	36		
Parsonstown ...	30.16	43	W	0	bc	30.19	+ .04	36	34	- 2	W	0	c	*	48	28		
Valencia ...	30.13	47	NE	3	bc	30.14	- .03	41	37	- 1	NE	3	bv	3	49	35		
Roche's Point...	30.10	47	ENE	4	b	30.09	.00	39	35	0	NE	3	c	4	50	33		
Pembroke ...	30.01	44	ENE	4	b	30.05	+ .10	38	34	- 4	NE	4	bc	4	47	34		
Scilly ...	29.91	47	ENE	8	b	29.92	+ .06	42	40	0	NE	6	c	6	48	40		
Prawle Point ...	29.87	45	ENE	7	c	29.91	+ .12	38	35	- 2	ENE	6	ogw	7	51	36		
Jersey ...	29.73	42	NE	3	ogw	29.78	+ .17	42	40	+ 1	ENE	6	ogw	5	43	39	0.03	
Hurst Castle ...	29.84	43	NE	8	o	29.88	+ .16	40	39	- 1	ENE	7	b	4	46	38	0.01	
Dungeness ...	29.73	39	ENE	8	q/n	29.76	+ .18	41	40	0	NE	7	bc	5	41	35	0.52	
London ...	29.89	49	ENE	6	ogw	29.91	+ .19	40	36	0	ENE	6	bq	*	45	36		
Oxford ...	29.99	39	NE	7	b	29.99	+ .17	39	36	- 1	NE	7	bq	*	46	35		
Cambridge ...	29.97	40	N	4	o	30.00	+ .18	?	?	?	N	3	b	*	45	34		
Yarmouth ...	29.90	40	NE	8	c	29.95	+ .17	42	40	+ 1	NE	7	bc	6	42	38		
Curhaven ...	29.80	41	NE	5	bc	29.95	+ .25	41	39	+ 2	NE	5	b	*	43	39		
Berlin ...	29.66	46	N	6	b	29.76	+ .21	40	38	- 8	NE	5	o	*	63	39		
Wiesbaden ...	*	*	*	*	*	29.55	+ .01	48	44	- 3	N	2	b	*	63	45		
Munich ...	29.47	49	SE	2	b	29.47	- .03	45	41	+ 2	SE	2	b	*	64	36		
GERMANY.																		
The Helder ...	29.60	40	NE	7	c	29.91	+ .21	41	38	0	NE	7	c	4	41	39		
Brussels ...	*	*	*	*	*	29.71	?	40	38	- 3	ENE	8	o	*	46	39	0.08	
Cape Gris Nez...	29.71	39	ENE	11	o	29.74	+ .27	41	40	0	E	9	o	7	45	36	0.47	
Paris ...	29.62	47	NE	1	o	29.89	+ .10	41	40	- 2	ENE	8	n	*	51	41		
Brest ...	29.82	42	ENE	8	o	29.84	+ .11	41	39	+ 3	ENE	5	o	4	50	34	0.12	
Lorient ...	29.69	42	NE	3	o	29.75	?	42	40	?	NE	7	o	4	48	37	0.08	
Rochefort ...	29.67	47	WNW	4	c	29.68	+ .03	43	42	+ 2	WSW	7	o	2	54	37		
Belfort ...	29.49	55	E	1	c	29.49	- .05	50	47	+ 4	E	4	c	*	57	43		
Lyons ...	?	?	WNW	4	o	29.45	- .11	44	43	+ 2	W	1	o	*	48	41	0.08	
Nice ...	29.39	44	S	5	n	29.48	- .03	41	41	- 5	E	3	n	3	52	37	1.54	
Perpignan ...	29.45	45	WNW	4	o	29.47	- .08	43	41	- 2	WNW	7	n	*	50	41	0.04	
Biarritz ...	29.62	46	WNW	5	bc	29.63	+ .01	46	39	+ 4	WNW	7	n	4	52	?	0.59	
FRANCE & NETHERLANDS.																		
Corunna ...	*	*	*	*	*	29.89	+ .01	48	47	+ 5	NE	3	n	5	50	39	0.08	
Lisbon ...	29.92	46	N	5	b	29.94	+ .03	46	41	- 2	N	3	b	2	54	43	0.08	

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

WEATHER

CHARTS

for 8 a.m. on Thursday 7th April.

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.

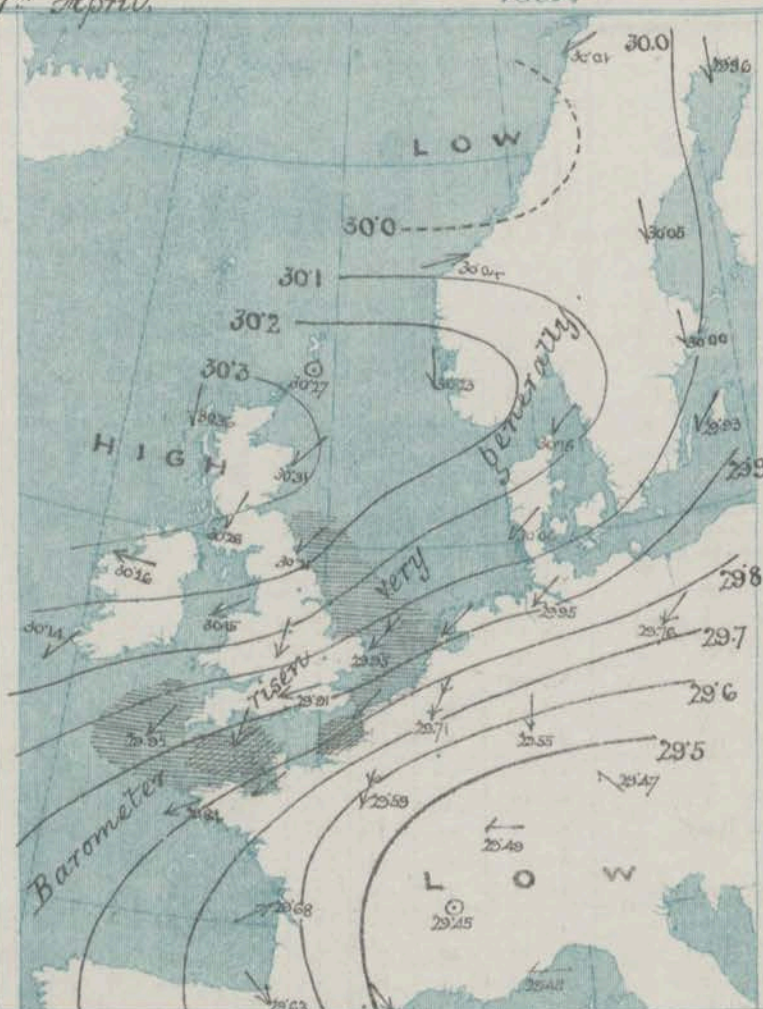
Sea Disturbance — where considerable is shown thus

▨ = Rough. ▨ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.838
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.860
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Scilly	29.867
Hurst Castle	29.866
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.873



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

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

Weather — is shown by letters of the Beaufort Scale.

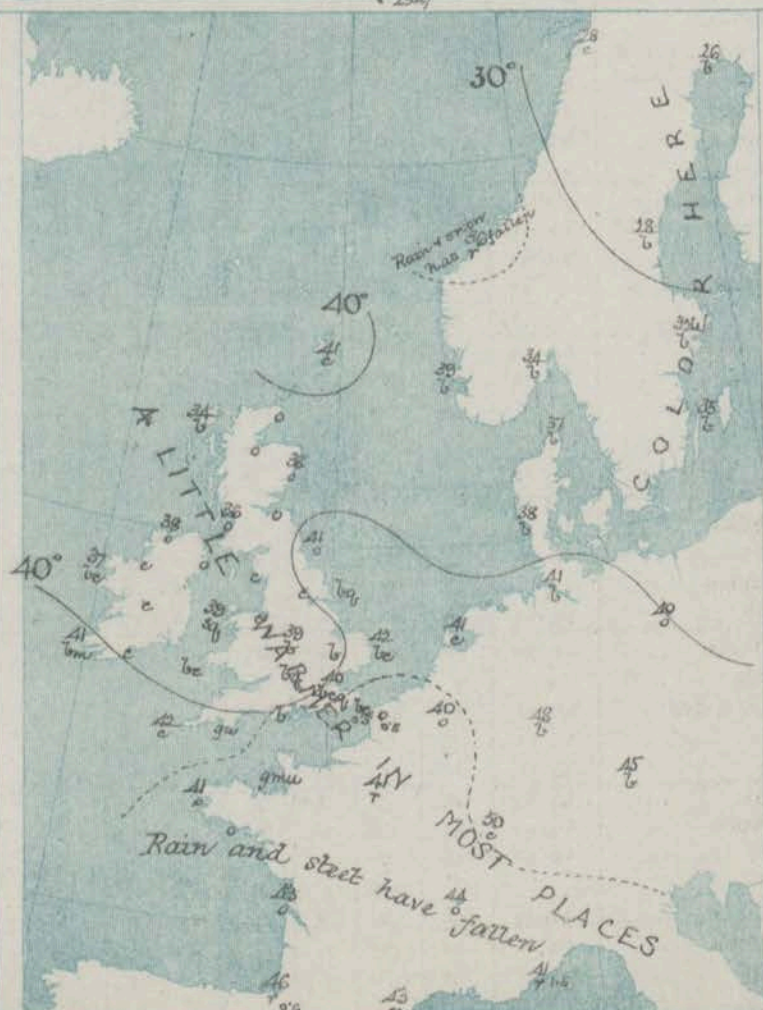
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Day	Nat.	
Sumburgh Head	46.3	37.5	41.7	40.6	2.16
Stornoway	46.1	37.5	44.1	42.3	2.51
Wick	49.3	37.6	42.0	41.1	1.56
Nairn	51.6	38.4	43.4	40.8	1.23
Aberdeen	49.5	39.3	43.2	40.9	2.23
Leith	53.2	38.6	44.4	42.4	1.85
Shields	49.3	39.8	43.8	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.8	40.8	45.0	42.1	2.23
Donaghadee	51.8	40.3	45.0	43.4	2.02
Holyhead	52.8	43.1	46.4	44.5	1.86
Liverpool	53.3	41.0	46.0	43.1	1.56
Valencia	54.4	43.8	48.8	46.1	4.01
Roche's Point	54.7	42.9	47.3	45.2	3.43
Pembroke	51.2	42.5	45.9	44.0	2.10
Scilly	52.7	45.5	49.2	47.4	2.45
Hurst Castle	51.9	42.1	46.1	43.9	1.87
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	56.9	40.2	47.0	44.8	1.88
Oxford	54.2	39.0	44.9	43.0	1.79
Cambridge	56.3	38.4	45.6	43.5	1.76
Yarmouth	49.7	40.4	45.2	43.7	1.80

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 over Scotland. Lowest, 29.5 ins: and less, over South Germany, and the east and south of France, 30.0 ins: and less, in a depression lying off the NW. of Norway.
TEMPERATURE	Highest, 55° at Belfast, 48° at Newcastle, and 46° at Bournemouth and Lisbon; highest in our Islands at St. Leger, Howthorn and Jersey. Lowest, 26° at Haparanda, 28° at Rode and Helsingfors, 32° at Stockholm and 34° at Laredo and Alingsås.
WIND	Light from N. or NW. over Sweden, the south of Norway, and the north of Scotland. Strong from NE. over the south of our Islands, the Netherlands, and the north of France, with gales at Rouen and Paris. Strong from NW at Bournemouth and Liverpool.
WEATHER	Fine in the south of our Islands as well as in Sweden, Denmark, and the south of Norway. Cloudy elsewhere, with snow squalls at Holyhead, and rain in the south of France. Cold rain or sleet fell yesterday in the east and south of England.
SEA	High at Howthorn and rough or rather so on our south and east coasts generally, as well as at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions noticed over France and Germany yesterday have continued to move south-eastwards, and the barometer has risen in almost all parts of Western Europe. An anticyclone with reading above 30.3 ins. lies over Scotland, but in the course of the night a slight fall of the barometer has taken place over the north of England and south of Ireland. This fall is apparently due to the formation of some exceedingly shallow depressions, and as these move southwards cold showers will probably be experienced over our southern and south-eastern district. In their rear the anticyclone over Scotland is likely to move southwards and bring about a renewal of fair weather.

FORECASTS

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wee.	Sea.		Bar.	Dry.	Wet.	Wind.	Wee.	Sea.
Skudesnaes ...	30.06	39	35	NW 7	bc	4	Holyhead ...	30.11	43	39	NNE 6	bc q	5
Sumburgh Head ...	30.21	36	32	NW 1	0	2	Valencia ...	30.16	49	43	NNE 4	bc	4
Stornoway ...	30.29	39	36	NNE 2	og	2	Scilly ...	29.89	47	43	NNE 8	bc	6
Aberdeen ...	30.23	38	34	NNE 2	0	2	Dungeness ...	29.67	37	36	NNE 8	bc q	5
Shields ...	30.14	42	37	NNE 6	bc	5	London ...	29.82	45	39	NNE 7	bc q	*
Ardrossan ...	30.20	43	38	NNE 4	bc	2	Yarmouth ...	29.55	41	39	NNE 8	bc q	6
Malin Head ...	30.21	41	36	NNE 3	bc	3	Jersey ...	29.68	42	30	NNE 8	0	6
Mullaghmore ...	30.22	45	38	NNE 4	bc	3	Rochefort ...	29.66	51	43	NW 3	bc	2
Belmullet ...	30.23	45	40	NNE 4	bc	*							

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

*The General Remarks will be issued on the Report
for Good Friday*

EASTER HOLIDAYS

NOTICE

*The Daily Weather Report for Good Friday (April 8th) will not be issued until Monday (April 11th); that
for Easter Sunday (April 10th) will be issued on Tuesday, as usual.*

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 8th April

1887.

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

Issued by the Meteorological Office, 16, WINDMILL STREET, LONDON, E.C. 4. 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.			
	Inch.	°				Inch.	Inch.	°	°	°					°	°	Inch.		
SCANDINAVIA.																			
Haparanda ..	29.94	24	S	2	b	29.62	-.34	33	30	+7	S	4	0	*	37	14	-		
Hernösand ...	30.06	30	2	0	b	29.81	-.24	40	37	+12	W	2	6c	*	50	21	-		
Stockholm ...	30.09	30	2	0	b	30.02	+0.02	36	31	+4	NW	2	6c	*	37	28	-		
Wisby ...	30.02	34	NNE	4	bc	30.06	+0.13	34	32	-1	N	2	6	*	46	30	-		
Bodö ...	29.76	30	E	6	λ	29.73	-.28	32	29	+4	NW	6	0	3	?	27	-		
Christiansund...	30.08	40	WSW	8	λ	29.93	-.11	40	38	+4	WSW	6	λ	5	?	-	0.36		
Skudesnaes ...	30.16	39	NW	2	0	30.17	-.06	42	40	+3	NW	2	3	2	43	37	-		
Christiania Fjord (Farder)	30.14	38	WSW	2	b	30.04	-.10	40	38	+6	WSW	2	6	1	41	-	-		
Skagen (The Scaw)	30.14	35	NW	1	b	30.09	-.06	38	34	+1	WSW	2	6	1	43	32	-		
Fanö ...	30.18	33	NE	4	b	30.18	+0.12	41	37	+3	N	1	6	*	45	28	-		
BRITISH ISLANDS.																			
Sumburgh Head	30.29	43	NW	2	bc	30.23	-.04	42	41	+1	NW	2	λ	2	48	39	0.03		
Stornoway ...	30.38	41	E	1	b	30.35	-.01	38	37	+4	W	3	c	3	45	30	-		
Wick ...	30.35	40	E	2	c	30.30	-.02	42	39	+5	NW	2	6	1	45	30	-		
Nairn ...	30.36	42	W	0	c	30.34	-.02	39	37	+3	W	1	c	1	45	31	-		
Aberdeen...	30.34	41	NE	3	b	30.33	+0.02	39	34	+1	NW	3	6	1	43	29	-		
Leith ...	30.33	42	NNE	1	b	30.35	+0.06	39	37	+1	W	1	cm	*	43	37	-		
Shields ...	30.26	42	NE	3	b	30.26	+0.05	41	41	0	NE	2	u	4	44	39	-		
Spurn Head ...	30.14	47	NE	6	b	30.21	+0.13	44	41	+2	NE	5	6	5	47	38	-		
York ...	30.20	44	E/NE	3	bc	30.27	+0.12	42	40	+2	E/NE	2	0	*	50	29	-		
Loughborough	30.10	43	NE	6	c	30.20	+0.13	40	37	+1	NE	4	6	*	52	32	-		
GERMANY.																			
Ardrossan ...	30.29	43	E/NE	3	b	30.34	+0.06	41	38	+5	E/NE	2	6	1	44	32	-		
Malin Head ...	30.29	40	NNE	4	0	30.34	+0.07	42	39	+4	E/NE	2	0	2	42	37	-		
Mullaghmore ...	30.28	41	NE	6	0	30.35	+0.09	38	35	+1	E	4	6	2	41	35	-		
Belmullet ...	30.30	40	E	5	0	30.36	+0.10	41	39	+4	E	2	6	*	41	34	-		
Douaghadee ...	30.27	43	E	5	bc	30.33	+0.08	42	39	+3	E	4	6	2	44	37	-		
FRANCE & NETHERLANDS.																			
Barrow-in-Furness	30.20	44	NNE	3	b	30.27	+0.10	40	37	+3	NE	1	6	*	48	33	-		
Liverpool (Bidston)	30.15	44	E/NE	5	b	30.27	+0.14	39	36	-1	NE	1	6	2	48	32	-		
Holyhead ...	30.15	44	NE	6	bq	30.26	+0.11	41	38	+2	E/NE	5	bcq	5	44	37	-		
Parsonstown ...	30.20	42	NE	3	c	30.28	+0.09	39	36	+3	2	0	6	*	44	27	-		
Valencia ...	30.18	44	NE	5	bc	30.22	+0.08	40	37	-1	NE	5	bc	6	49	37	-		
SPAIN.																			
Roche's Point...	30.12	45	E	4	b	30.19	+0.10	42	39	+3	E/NE	4	6	4	49	33	-		
Pembroke ...	30.03	48	NE	4	bc	30.14	+0.09	39	35	+1	NE	5	bc	4	49	34	-		
Scilly ...	29.94	47	E/NE	6	0	30.04	+0.12	43	41	+1	E/NE	5	c	4	47	40	-		
Prawle Point ...	29.91	47	NNE	6	0	30.03	+0.12	39	37	+1	NNE	6	bc	6	52	36	-		
Jersey ...	29.77	45	NE	7	cm	29.93	+0.15	43	41	+1	NE	5	cm	4	48	41	0.04		
ITALY.																			
Hurst Castle ...	29.86	47	E/NE	8	bc	30.04	+0.16	40	40	0	E/NE	7	6	4	50	35	-		
Dungeness ...	29.79	43	NE	7	bc	29.95	+0.19	42	40	+1	E/NE	4	6	6	45	39	-		
London ...	29.93	46	E/NE	6	bcq	30.09	+0.18	44	38	+4	E/NE	6	bcq	*	52	35	-		
Oxford ...	30.06	40	NE	6	b	30.14	+0.15	41	37	+2	NNE	5	bcq	*	49	33	-		
Cambridge ...	30.04	41	NE	3	b	30.15	+0.15	41	39	+2	NE	3	6	*	52	31	-		
NETHERLANDS.																			
Yarmouth ...	30.01	41	NE	8	b	30.12	+0.17	41	38	-1	E/NE	6	6	5	43	38	-		
Cuxhaven ...	30.04	41	E/NE	4	b	30.16	+0.21	37	36	-4	E/NE	2	6	*	41	35	-		
GERMANY.																			
Berlin ...	29.93	40	NNE	6	c	30.08	+0.32	35	31	-5	E/NE	5	6	*	50	30	-		
Wiesbaden ...	*	*	*	*	*	29.86	+0.31	43	37	-5	2	0	6	*	55	37	-		
Munich ...	29.51	51	E	5	c	29.71	+0.24	41	40	-4	NE	5	c	*	63	37	-		
FRANCE & NETHERLANDS.																			
The Helder ...	30.02	42	NE	8	b	30.13	+0.22	39	34	-2	E/NE	4	6	3	45	39	-		
Brussels ...	*	*	*	*	*	29.45	+0.24	36	32	-4	E/NE	4	6	*	54	33	-		
Cape Gris Nez...	29.79	43	E	9	e	29.94	+0.20	39	37	-2	E/NE	8	6	6	46	32	-		
Paris ...	29.66	48	NNE	3	0	29.84	+0.25	40	37	-1	NNE	4	0	*	46	39	-		
Brest ...	29.87	44	E/NE	5	0	29.95	+0.11	42	40	+1	E	5	0	4	52	34	-		
FRANCE & NETHERLANDS.																			
Lorient ...	29.81	44	NNE	5	0	29.85	+0.10	44	41	+2	E	5	0	2	45	39	0.08		
Rochefort ...	29.76	44	N	5	0	29.88	+0.20	44	43	+1	NNE	3	0	2	46	39	0.32		
Belfort ...	29.48	*	E	1	bc	29.71	+0.22	46	42	-4	E	4	6	*	64	42	0.04		
Lyons ...	29.59	44	S	3	0	29.67	+0.22	44	43	0	NW	4	0	*	53	43	0.32		
Nice ...	29.55	46	WSW	1	0	29.43	-0.05	49	42	+6	SE	1	0	1	55	1	-		
FRANCE & NETHERLANDS.																			
Perpignan ...	29.63	47	NW	3	0	29.73	+0.26	49	45	+6	NW	3	bc	*	50	43	-		
Biarritz ...	29.76	48	NW	5	n	29.87	+0.24	49	46	+3	NW	5	0	2	50	45	0.51		
PORTUGAL.																			
Corunna ...	*	*	*	*	*	29.89	-0.00	44	43	-4	E	3	c	3	57	43	-		
Lisbon ...	29.95	51	NW	3	c	29.94	-0.00	49	48	+3	WSW	4	0	2	57	46	-		

For Explanation of Columns, see p. 4.

WEATHER CHARTS

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

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 —

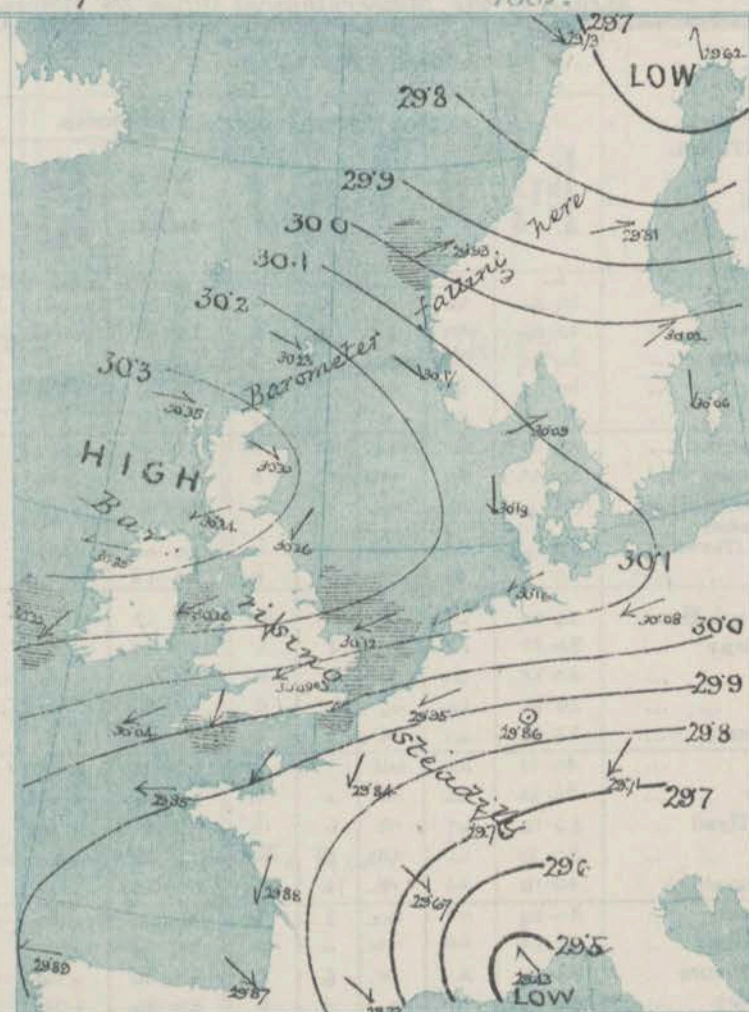
→ = force above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4;
⊙ = dead calm.

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

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of April.
During the 10 Years 1877-1886.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.888
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Scilly	29.867
Hurst Castle	29.860
Dover	29.866
LONDON	29.876
Oxford	29.875
Cambridge	29.878
Yarmouth	29.873



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

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

Weather — is shown by letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of April

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 8 A.M.	At 8 P.M.	
Sumburgh Head	46.0	37.5	41.7	40.0	2.10
Stornoway	46.1	37.5	44.1	42.3	2.51
Wick	49.3	37.6	43.0	41.1	1.66
Nairn	51.6	38.4	43.4	40.8	1.23
Aberdeen	49.6	39.3	43.2	40.9	2.23
Leith	53.2	38.6	44.4	42.4	1.65
Shields	49.3	39.8	43.8	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.8	40.8	45.0	42.1	2.23
Donaghadee	51.8	40.3	45.0	43.4	2.02
Holyhead	52.3	43.1	46.4	44.5	1.86
Liverpool	53.3	41.0	46.0	43.1	1.66
Valencia	54.4	43.5	48.8	46.1	4.01
Roche's Point	54.7	42.9	47.3	45.2	3.43
Pembroke	51.2	42.5	45.9	44.0	2.10
Scilly	52.7	45.5	49.2	47.4	2.45
Hurst Castle	51.9	42.1	45.1	43.0	1.87
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	56.9	40.2	47.0	44.8	1.66
Oxford	54.9	39.6	44.9	43.0	1.79
Cambridge	56.3	38.4	45.6	43.5	1.76
Yarmouth	49.7	40.4	45.2	43.7	1.80

NOTE — The Temperature means are for the 10 years 1877-80, the Rainfall means are mainly those for the 10 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 mm. and upwards, in an anticyclone lying over Scotland and the north of Ireland.
Lowest, 29.5 mm. and less, in a small depression lying near Trice; 28.7 mm. and less in a large disturbance lying over the north of Scandinavia.

TEMPERATURE

Highest, 49° at Rimini, Bolognaw, Nice and Piastow, 46° at Lieffort and 44° at Lorient, Stochefort and in London.
Lowest, 32° at Boko, 33° at Haparanda, 34° at Wistby, 35° at Berlin, 36° at Broussais and 38° at Lonsoway and Mullaghmore.

WIND

$N^{\frac{1}{2}}E$ in Scandinavia and the north of Scotland; strong in force in the north of Norway
 $E^{\frac{1}{2}}NE$ over the south of our island, the north of France and Germany; strong on our Southeast coast, moderate from N. or NW in the south of France.

WEATHER

bull in France and the west of Scandinavia, with pair at Christiansund and Kudesnes.
 Fine over our islands, the Netherlands, Denmark and Germany.

SEA

rough or rather so on many parts of our South and Southeast coasts as well as at Christiansund and Hølghead, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer continues to rise over the greater part of our islands and France, but in Scandinavia and the north of Scotland it is falling somewhat.

The depression over the north of Scandinavia seem likely to move away in an E^{ly} or SE^{ly} direction.

FORECASTS

for the 24 hours ending at NOON on 9. April 1887.

DISTRICTS.

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

FORECASTS.

ISSUED

DISTRICTS.

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

FORECASTS.

NONE

ISSUED

WARNINGS

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	30.25	42	39	W 2	C	2	Holyhead ...	30.15	43	39	NE 6	bcq	5
Sumburgh Head ...	30.30	45	42	W 1	C	1	Valencia ...	30.16	43	39	ENE 4	em	4
Stornoway ...	30.38	44	40	S 1	6	1	Scilly ...	29.94	45	42	NE 6	0	6
Aberdeen ...	30.34	41	39	ENE 3	6	2	Dungeneas ...	29.76	45	43	NE 7	C	5
Shields ...	30.24	43	39	NE 4	6	5	London ...	29.92	50	42	ENE 5	C	*
Ardrossan ...	30.28	42	38	ENE 3	6	2	Yarmouth ...	29.98	43	41	NE 7	6	6
Malin Head ...	30.29	40	36	ENE 3	0	3	Jersey ...	29.78	47	42	NE 6	0	5
Mullaghmore ...	30.28	41	36	NE 5	0	4	Rochefort ...	29.72	44	43	NE 5	N	2
Belmullet ...	30.29	40	36	E 5	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 in, in an anticyclone over Scotland and lowest, 29.5 in, in a large depression which covered the south & east of France and the north of Italy, with Corsica and Sardinia. A shallow area of relatively low readings (29.7 in & less) was, however, apparently lying over Turkey and Greece. Light or moderate breeze from the N^W prevailed over Northern Europe, but in the south of our islands and the north of France the wind remained very strong from the NE^W and in the south of France it was strong from NW, while in Italy it drew into SE or S. Rain was falling at many of the French and Italian stations and snow at Annaba (Algeria) but over our islands and Northern Europe generally the weather was fair. Temperature had risen a little over the British Islands and France, but fell elsewhere, and readings ranged from between 50° & 60° at most of the Spanish, Italian and Algerian stations to 15° or less in Northern Russia. The highest individual readings were 60° at Sfax, 59° at Brindisi and Malta and 57° at Oran, Trieste & Lissa; the lowest were 11° at Uleaborg, 20° at Kropki, 26° at Haparanda, 28° at Rode and Helsingfors and 30° at Archangel and Helsingfors.

In the course of the day very little change occurred either in pressure, winds or weather. On our southern coast however the NE^W wind again increased to a gale in the evening.

General Remarks for the 24 hours ended 8 a.m. April 7th 1887

The reports for Wednesday (6th) showed that pressure varied from rather above 30.2 in: over the northwestern parts of Ireland and Scotland, and from about the same value over Southern Russia, to a little below 29.5 in: in central parts of Germany and France and the north of the Mediterranean. Over the British Isles the barometer was rising decidedly. The wind was NE over the United Kingdom, the Channel, and north of France, and blew with the force of a fresh gale in the Channel and south-east of England, in the south of France it was W, over Central Europe S, and over Northern Europe W. The weather had improved considerably in the north, but cold rain or sleet fell in many parts of France, and thunderstorms were reported over the NW of Germany and at Liverpool. Temperature had fallen in the west and south and varied from 60° at Malta and from 50° and 59° over the greater part of the Mediterranean to several degrees below the freezing point over Northern Europe. The highest individual values were 60° at Malta, 59° at Brindisi, 58° at Lissa, 56° at Naples, 54° at Livorno, Florence, and Langunaise, 49° at Wiesbaden and 48° at Lisbon; the lowest 20° at Uleaborg, 26° at Haparanda, 30° at Rode, 31° at Christianund and 32° at Helsingfors.

During the day the gale in the south continued, the squalls being very strong, and snow showers fell on our northeastern coasts. The barometer, however, continued to rise and later on the weather improved a little, even in the Channel.

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 9th April 1887.

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

ISSUED BY THE METEOROLOGICAL OFFICE, 10, NEW STREET, LONDON, E.C. 4, ON SATURDAY, 11. 11. 1900.																		
PAST 24 HOURS.																		
8 A.M. TO DAY.																		
† YESTERDAY EVENING.																		
STATIONS.	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETRE.		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 ..	29.71	28	N	6	b	29.82	+ .20	24	23	- .09	WNW	2	bc	*	39	18	-	
Hernösand ...	29.89	50	N	4	b	30.04	+ .23	31	26	- .09	WNW	2	b	*	50	28	-	
Stockholm ...	29.86	44	W	2	bc	30.05	+ .03	32	28	- .04	N	4	b	*	50	23	-	
Wisby ...	29.96	26	WNW	4	c	30.00	- .06	36	32	+ .2	NE	6	c	*	45	28	-	
Bodö ...	29.92	29	WNW	5	c	29.67	- .06	33	32	+ .1	SW	8	m	5	?	28	-	
Christiansund...	30.17	35	WNW	3	o	30.12	+ .19	36	32	- .04	WNW	6	o	5	31	32	0.20	
Skudesnaess ...	30.10	41	WNW	1	o	30.19	+ .02	42	40	0	WNW	2	c	2	45	41	-	
Christiania Fjord (Færd)	29.97	40	WNW	4	b	30.18	+ .14	35	30	- .5	NE	6	b	1	43	?	-	
Skagen (The Seaw)	29.95	37	NW	1	bc	30.13	+ .04	37	33	- .1	E	2	bc	2	55	28	-	
Fanö ...	30.09	39	WNW	4	c	30.12	- .06	39	39	- .2	WNW	4	c	*	45	37	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.23	40	WNW	2	o	30.29	+ .06	41	39	- .1	WNW	1	c	1	47	31	0.05	
Stornoway ...	30.29	47	N	2	cp	30.35	.00	42	41	+ .4	W	0	om	0	50	36	-	
Wick ...	30.27	46	NE	2	o	30.35	+ .05	44	40	+ .2	W	0	b	0	52	34	-	
Nairn ...	30.28	48	WNW	1	c	30.34	.00	42	40	+ .3	W	0	c	1	50	37	-	
Aberdeen...	30.25	47	WNW	1	c	30.34	+ .01	42	38	+ .3	N	3	c	1	49	38	0.01	
Leith ...	30.25	46	SE	1	b	30.34	- .01	43	41	+ .4	WNW	1	c	*	50	34	-	
Shields ...	30.27	42	NE	2	cp	30.29	+ .03	42	40	+ .1	WNW	2	cp	3	47	35	0.02	
Spurn Head ...	30.22	43	NE	4	b	30.23	+ .02	43	42	- .1	WNW	3	cp	3	46	38	0.03	
York ...	30.28	45	WNW	1	c	30.27	.00	42	40	0	WNW	2	o	*	51	31	-	
Loughborough	30.20	44	NE	3	o	30.24	+ .04	39	37	- .1	NE	3	c	*	55	35	-	
GERMANY.																		
Ardrossan ...	30.25	47	WNW	2	b	30.32	- .02	41	38	0	ENE	2	b	1	50	33	-	
Malin Head ...	30.29	42	WNW	2	o	30.30	- .04	43	43	+ .1	SSE	1	sm	1	45	39	-	
Mullaghmore ...	30.28	47	NE	4	b	30.31	- .04	39	37	+ .1	E	4	b	2	48	35	-	
Belmullet ...	30.30	45	NE	4	b	30.32	- .04	41	39	0	E	2	b	*	47	34	-	
Donaghadee ...	30.29	45	WNW	3	b	30.33	.00	44	42	+ .2	E	3	bc	1	48	36	-	
FRANCE & NETHERLANDS.																		
Barrow-in-Furness	30.24	46	WNW	3	o	30.27	.00	37	35	- .3	N	1	b	*	50	33	-	
Liverpool (Bidston)	30.22	46	ENE	2	o	30.29	+ .02	41	37	+ .2	ENE	1	c	2	48	35	-	
Holyhead ...	30.23	44	NE	5	b	30.28	+ .02	42	40	+ .1	NE	2	bw	2	45	38	-	
Parsonstown ...	30.24	48	W	0	b	30.27	- .01	41	40	+ .2	W	1	b	*	51	30	-	
Valencia ...	30.16	52	NE	5	b	30.23	+ .01	46	43	+ .6	ENE	2	b	3	53	38	-	
Roches Point...	30.18	48	E	5	b	30.23	+ .04	43	41	+ .1	ENE	3	c	4	50	38	-	
Pembroke ...	30.13	47	SW	1	b	30.22	+ .08	40	37	+ .1	NE	2	b	2	53	36	-	
Scilly ...	30.06	43	WNW	4	b	30.13	+ .09	43	42	0	E	5	c	5	49	39	-	
Prawle Point ...	30.07	46	WNW	5	b	30.14	+ .11	42	40	+ .3	NE	5	bc	5	52	37	-	
Jersey ...	29.99	44	ENE	5	b	30.06	+ .13	43	40	0	NE	4	b	3	50	40	-	
Hurst Castle ...	30.06	48	ENE	5	b	30.14	+ .10	41	40	+ .1	NE	4	c	3	50	35	-	
Dungeness ...	30.02	42	ENE	6	b	30.08	+ .13	42	40	0	ENE	5	b	4	46	33	-	
London ...	30.10	46	NE	6	b	30.17	+ .08	40	38	- .4	ENE	5	o	*	53	38	-	
Oxford ...	30.18	48	NE	3	b	30.21	+ .07	40	37	- .1	NE	5	og	*	52	38	-	
Cambridge ...	30.19	46	NE	2	c	30.21	+ .06	40	39	- .1	NE	1	n	*	52	34	0.01	
Yarmouth ...	30.14	42	NE	5	b	30.18	+ .06	41	40	0	NE	5	c	5	44	38	-	
Cuxhaven ...	30.13	40	N	2	b	30.16	.00	42	41	+ .3	WNW	2	o	*	44	?	-	
Berlin ...	30.08	41	NE	3	b	30.12	+ .04	37	35	+ .2	W	1	o	*	46	32	-	
Wiesbaden ...	*	*	*	*	*	30.04	+ .18	41	36	- .2	NE	3	b	*	52	36	-	
Munich ...	29.88	40	E	4	b	29.95	+ .24	35	32	- .6	E	7	b	*	46	30	-	
PENIN. ISLANDS.																		
The Helder ...	30.13	39	NE	3	b	30.18	+ .05	41	39	+ .2	ENE	3	c	2	43	37	-	
Brussels ...	*	*	*	*	*	30.10	+ .15	36	34	0	ENE	4	b	*	50	31	-	
Cape Gris Nez...	30.03	41	ENE	7	b	30.06	+ .12	41	37	+ .2	E	8	b	6	45	37	-	
Paris ...	29.99	51	WNW	4	b	30.01	+ .17	36	34	- .4	NE	4	b	*	54	33	-	
Brest ...	30.00	46	E	5	bc	30.02	+ .07	40	38	- .2	ENE	5	o	4	50	34	-	
Lorient ...	?	47	ENE	5	o	30.04	+ .19	41	39	- .3	ENE	5	o	2	52	39	-	
Rochefort ...	29.95	52	NE	4	o	29.96	+ .08	46	45	+ .2	NE	4	o	2	57	41	-	
Belfort ...	29.78	50	E	4	bc	29.89	+ .18	42	40	- .4	E	3	c	*	53	32	-	
Lyons ...	29.76	47	NW	5	c	29.84	+ .17	44	41	0	WNW	7	c	*	49	42	-	
Nice ...	29.73	51	W	1	c	29.65	+ .22	50	47	+ .1	E	3	b	2	64	45	-	
Perpignan ...	29.76	53	NW	8	b	29.85	+ .12	52	46	+ .3	NW	3	c	*	56	48	-	
Biarritz ...	29.95	51	WNW	3	o	29.97	+ .10	48	46	- .1	SW	4	o	2	52	46	0.28	
Corunna ...	*	*	*	*	*	29.89	- .05	52	50	+ .3	NE	4	b	2	59	?	-	
Lisbon ...	29.91	55	SW	4	o	29.89	- .05	52	50	+ .3	NE	4	b	2	59	?	-	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

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

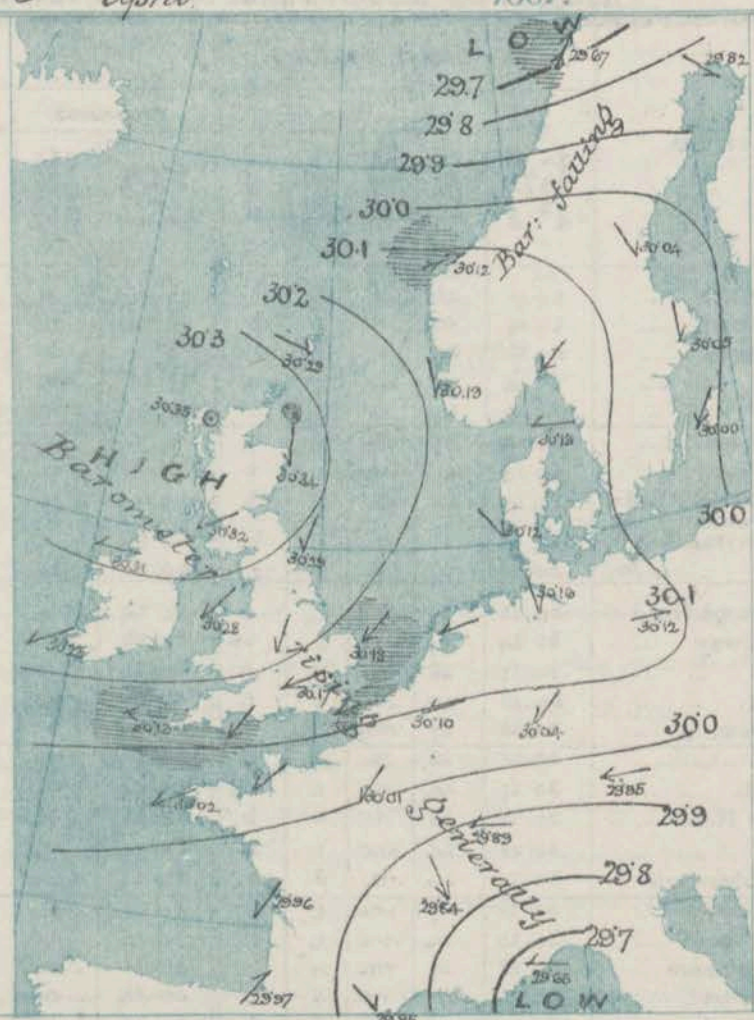
Sea Disturbance — where considerable is shown thus

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.838
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Scilly	29.867
Hurst Castle	29.866
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.873



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

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

Weather — is shown by Letters of the Beaufort Scale.

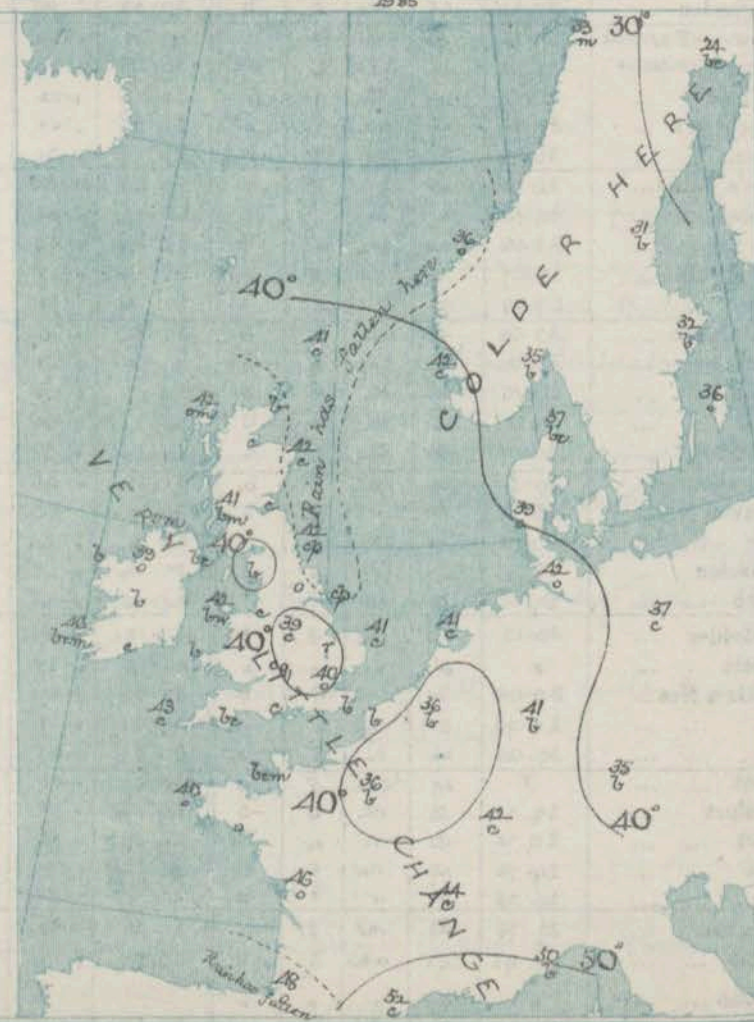
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	
Sumburgh Head	46.3	37.5	41.7	40.8	2.16
Stornoway	40.1	37.5	44.1	42.3	3.51
Wick	49.3	37.6	43.0	41.1	1.56
Nairn	51.5	38.4	43.4	40.8	1.23
Aberdeen	49.5	39.3	43.2	40.9	2.23
Leith	53.2	38.6	44.4	42.4	1.65
Shields	49.3	39.8	43.8	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.8	40.8	45.0	43.1	2.23
Donaghadee	51.8	40.3	45.0	43.4	2.02
Holyhead	52.8	43.1	46.4	44.5	1.86
Liverpool	53.3	41.0	46.0	43.1	1.56
Valencia	54.4	43.5	48.8	46.1	4.01
Roche's Point	54.7	42.9	47.8	45.2	3.43
Pembroke	51.2	42.5	45.9	44.0	2.10
Scilly	52.7	45.5	49.2	47.4	2.45
Hurst Castle	51.9	42.1	45.1	43.9	1.87
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	56.9	40.2	47.0	44.3	1.88
Oxford	54.9	39.6	44.9	43.0	1.79
Cambridge	56.3	38.4	45.6	43.5	1.76
Yarmouth	49.7	40.4	45.2	43.7	1.80

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 Scotland and the north of Ireland. Lowest, 29.7 ins and less in two depressions lying, respectively, near Bodo and over the Gulf of Genoa.
TEMPERATURE	{ Highest, 52° at Lisbon and Perpignan, 50° at Nice, 48° at Biarritz and 46° at Valencia and Rochefort. Lowest, 26° at Haparanda, 31° at Hernösand, 32° at Stockholm, 33° at Bodo and 35° at Narvik in Finnmark and Murmansk.
WIND	{ Calm in the north of Scotland; strong to a gale from SW in west of Norway. Moderate from NW in Sweden and Denmark, NE or E elsewhere. Fresh or strong in force at most of our southern stations.
WEATHER	{ Fair generally, but cloudy in places, with showers at several of our eastern stations. A little rain or sleet fell yesterday on some parts of our northern coasts.
SEA	{ Rather rough off the south-west and south-east of England, and also off the coast of Norway, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure over Western Europe is very similar to that of yesterday. Last evening the anticyclone in the north appeared to be moving away in a westerly direction, but this morning it has returned to its old position, and the barometer is rising at all but the Norwegian stations. A shallow depression is still lying over the Gulf of Genoa, and a new disturbance is approaching Norway from the westward.

No important change in the weather is likely at present. The depression which is advancing towards Norway will probably move south-eastwards across Scandinavia, without materially affecting the conditions over our islands.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	N ^{ly} and NW ^{ly} winds, light; fair generally.
1	SCOTLAND EAST	— D° — D° —
2	ENGLAND N E	N ^{ly} winds, moderate, cloudy, some showers.
3	ENGLAND EAST	Same as N° 5.
4	MIDLAND COUNTIES	Same as N° 5.
5	ENGLAND SOUTH	NE ^{ly} winds, fresh, fair generally, but some showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NE ^{ly} winds, light; fair generally.
7	ENGLAND N. W.	— D° — D° —
8	ENGLAND S. W.	NE ^{ly} and E ^{ly} winds, fresh; fair generally.
9	IRELAND NORTH	E ^{ly} winds, light; fair generally.
10	IRELAND SOUTH	— D° — D° —
WARNINGS		None issued.

YESTERDAY'S 2 A.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeenace ...	30.10	45	43	W/W 4	0	2	Holyhead ...						
Sumburgh Head ...							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						*
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rocheport ...	29.92	56	52	NW 4	c	2
Belmullet ...													

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 ins and upwards, in an anticyclone lying over Scotland and the north of Ireland, and lowest, 29.5 ins and less, in a large depression lying over Italy. Relatively low readings, 29.7 ins and less, were, however, reported over the north of Scandinavia. Moderate breezes from between W and N prevailed over Northern Europe, and also over Spain, Algeria and the south of France, but at the more central stations the wind was strong from E or NE. Rain was falling in the west of Norway and also in Italy and the south of France, but elsewhere the weather was generally fair. Temperature had risen a little over Northern Europe, but fallen in most other localities; readings ranged from between 50° and 60° over Spain, Algeria and Southern Italy to 32° or below over Northern Europe. The highest individual readings were 59° at Brindisi, 58° at Nemours and Palma, 57° at Algiers and Sfax and 55° at Malta; the lowest were 23° at Kuspis, 24° at Archangel, 26° at Uleaborg and 30° at Hangö.

In the course of the day the anticyclone over our northern coasts moved slowly to the westward of Scotland, and cloudy showery weather set in at the northern stations generally. In the south, however, there was little change.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

DAILY WEATHER REPORT.

for Sunday 10th April

1887.

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

Issued by the Meteorological Office, 16, Victoria Street, London, E.C. 1. 30011, 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.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force (0 to 12.)		Reading at 8 P.M. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ...	29.51	28	W	2	c	29.69	-0.3	27	25	+3	W	2	b	*	32	14	0.04		
Hernösand ...	29.80	40	W	0	c	29.95	-0.9	42	37	+11	W	2	c	*	45	28	-		
Stockholm ...	29.97	37	W	2	c	30.04	-0.1	43	37	+11	W	2	b	*	43	28	-		
Wisby ...	30.06	34	W	4	bc	30.02	+0.2	37	35	+1	W	4	bc	*	39	32	-		
Bodö ...	29.70	35	W	6	c	29.69	+0.2	34	33	+1	W	6	m	5	43	32	0.20		
Christiansund...	30.10	41	W	6	c	30.10	-0.2	42	40	+6	W	8	c	6	48	-	-		
Skudesnaes ...	30.25	40	W	4	bc	30.24	+0.5	43	39	+1	W	4	b	2	43	39	-		
Christiania Fjord (Fjorder)	30.07	39	W	2	b	30.17	-0.1	38	37	+3	W	0	b	1	39	-	-		
Skagen (The Scaw)	30.09	37	W	1	b	30.16	+0.5	39	38	+2	S	1	b	0	46	36	-		
Fanö ...	30.17	39	W	2	b	30.19	+0.7	43	42	+4	W	4	b	*	46	34	-		
BRITISH ISLANDS.																			
Sumburgh Head	30.29	43	W	1	c	30.25	-0.4	42	40	+1	W	1	c	1	46	39	-		
Stornoway ...	30.32	45	C	3	bc	30.30	-0.5	39	39	-3	W	0	b	0	49	31	-		
Wick ...	30.32	45	W	0	b	30.29	-0.6	46	43	+2	W	0	b	0	50	27	-		
Nairn ...	30.30	47	W	0	b	30.30	-0.4	39	38	-3	W	0	b	1	51	30	-		
Aberdeen...	30.35	43	W	2	b	30.31	-0.8	43	40	+1	W	1	b	1	48	30	-		
Leith ...	30.35	45	C	1	b	30.33	-0.1	44	41	+1	SE	1	b	*	47	27	-		
Shields ...	30.32	43	W	0	bc	30.31	+0.2	41	39	-1	W	1	c	3	46	34	-		
Spurn Head ...	30.26	42	W	4	bc	30.28	+0.5	41	40	-2	W	3	c	2	45	38	-		
York ...	30.30	43	C	2	c	30.31	+0.4	42	39	0	E	1	c	*	49	42	-		
Loughborough	30.24	44	W	3	c	30.28	+0.4	38	37	-1	W	2	ogd	*	47	37	0.01		
Ardrossan ...	30.30	49	W	2	bc	30.31	-0.1	42	39	+1	W	2	bc	1	51	33	-		
Malin Head ...	30.28	45	W	2	bc	30.26	-0.4	41	40	-2	SE	2	bc	1	48	36	-		
Mullaghmore ...	30.26	49	W	2	bc	30.25	-0.6	39	37	0	E	4	bc	2	51	37	-		
Belmullet ...	30.28	38	W	1	bc	30.23	-0.9	41	40	0	SE	5	c	*	53	36	-		
Donaghadee ...	30.30	46	S	2	b	30.29	-0.4	41	39	-3	E	3	c	1	49	39	-		
Barrow-in-Furness	30.27	44	W	3	b	30.27	-0.0	41	38	+4	W	2	b	*	51	33	-		
Liverpool (Bidston)	30.26	44	W	3	c	30.28	-0.1	39	36	-2	E	3	c	3	48	38	-		
Holyhead ...	30.26	44	W	3	c	30.23	-0.5	45	42	+3	W	2	bc	2	47	37	-		
Parsonstown ...	30.26	48	W	1	bc	30.22	-0.5	43	40	+2	SE	1	bc	*	54	34	-		
Valencia ...	30.18	43	W	3	bc	30.10	-1.3	46	44	0	E	5	bc	5	52	40	0.08		
Roche's Point...	30.21	47	SE	4	bc	30.15	-0.8	45	42	+2	SE	5	c	4	49	41	-		
Pembroke ...	30.18	45	E	3	c	30.18	-0.4	40	38	0	E	4	c	3	49	37	-		
Scilly ...	30.09	46	E	5	c	30.06	-0.7	46	45	+3	E	5	c	5	47	41	-		
Prawle Point ...	30.11	44	W	4	b	30.16	+0.2	40	39	-2	W	5	c	5	50	38	-		
Jersey ...	30.04	47	W	4	b	30.08	+0.2	44	42	+1	W	5	bc	4	50	42	-		
Hurst Castle ...	30.12	47	E	3	b	30.20	+0.6	40	39	-1	W	5	c	2	49	38	-		
Dungeness ...	30.10	44	W	6	bc	30.17	+0.9	41	40	-1	W	5	c	5	47	39	-		
London ...	30.17	46	W	4	b	30.23	+0.6	42	38	+2	W	3	c	*	53	38	-		
Oxford ...	30.21	43	W	3	c	30.26	+0.5	38	36	-2	W	3	og	*	48	38	-		
Cambridge ...	30.25	43	W	1	c	30.27	+0.6	39	39	-1	W	1	od	*	49	36	-		
Yarmouth ...	30.22	42	W	4	c	30.24	+0.6	39	38	-2	W	3	c	3	44	37	-		
Cuxhaven ...	30.20	39	W	3	b	30.23	+0.7	37	37	-5	W	2	f	*	7	35	-		
Berlin ...	30.11	47	W	4	c	30.20	+0.8	40	38	+3	W	0	c	*	52	34	-		
Wiesbaden ...	*	*	*	*	*	30.16	+1.2	47	36	+6	W	3	b	*	54	37	-		
Munich ...	30.02	37	E	3	b	30.07	+1.2	37	32	+2	W	7	b	*	46	25	-		
FRANCE & NETHERLANDS.																			
The Helder ...	30.21	41	W	3	c	30.26	+0.8	38	37	-3	W	3	f	1	43	37	-		
Brussels ...	*	*	*	*	*	30.19	+0.9	36	35	0	W	1	c	*	53	33	-		
Cape Gris Nez...	30.10	42	E	8	b	30.18	+1.2	41	38	0	E	7	c	5	46	39	-		
Paris ...	29.99	54	W	4	b	30.08	+0.7	38	37	+2	W	4	b	*	58	36	-		
Brest ...	30.05	46	E	5	c	30.04	+0.2	40	39	0	E	5	b	4	52	34	-		
Lorient ...	30.00	48	W	4	bc	30.02	-0.2	42	39	+1	E	6	b	2	50	39	-		
Rocheport ...	29.99	32	W	3	c	29.99	+0.3	42	40	-4	W	5	b	2	59	36	-		
Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	
Lyons ...	29.89	51	N	3	c	29.93	+0.9	41	39	-3	W	1	b	*	55	38	-		
Nice ...	29.75	53	S	1	bc	29.88	+2.3	32	50	+2	W	0	c	1	63	46	-		
Perpignan ...	29.85	55	W	4	b	29.91	+0.6	48	44	-4	W	3	b	*	60	41	-		
Biarritz ...	29.93	52	W	4	c	29.91	-0.6	46	45	-2	W	4	b	1	55	43	-		
SPAIN.																			
Corunna ...	*	*	*	*	*	29.79	*	32	31	-	E	1	bc	2	63	45	-		
Lisbon ...	29.81	57	W	4	b	29.78	-1.1	37	34	+5	W	5	c	3	63	32	0.04		

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Sunday, 10th April.

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.

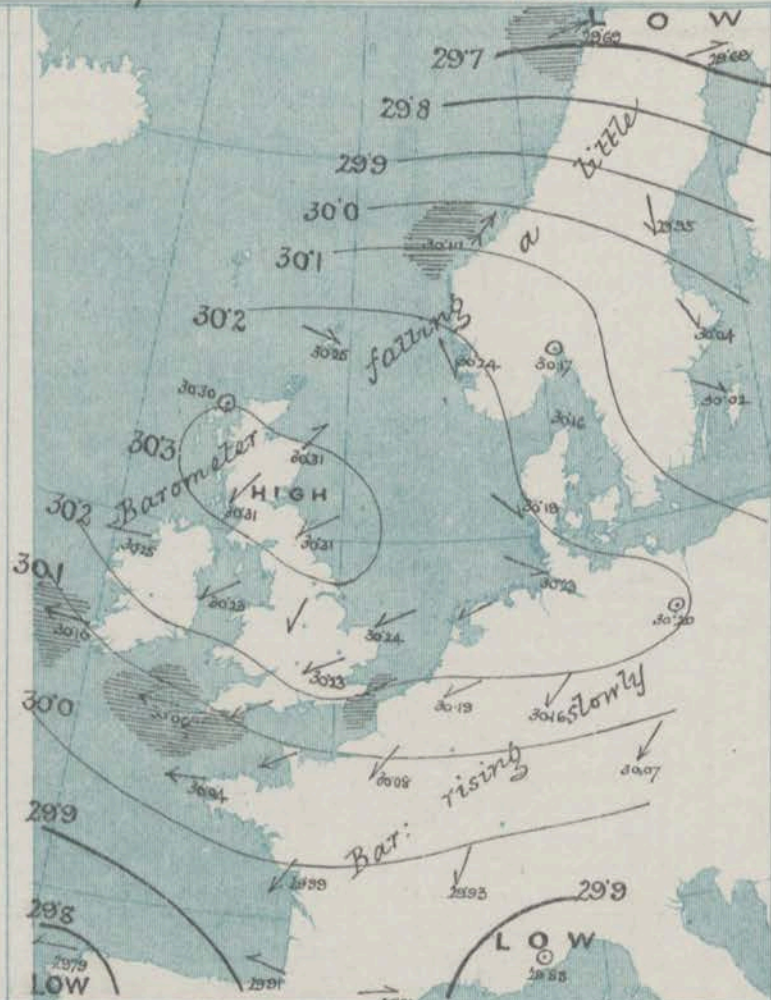
Sea Disturbance — where considerable is shown thus

— Rough. — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.838
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roehe's Point	29.841
Pembroke	29.847
Scilly	29.867
Hurst Castle	29.866
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.873



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 8 a.m. Dry.	Wet.	
Sumburgh Head	46.3	37.5	41.7	40.6	2.16
Stornoway	49.1	37.5	44.1	42.3	2.51
Wick	49.3	37.6	43.0	41.1	1.66
Nairn	51.6	38.4	43.4	40.8	1.23
Aberdeen	49.5	39.3	43.2	40.9	2.23
Leith	53.2	38.6	44.4	42.4	1.65
Shields	49.3	39.8	43.8	41.7	1.94
York	53.3	38.1	44.5	42.4	1.86
Ardrossan	52.6	40.8	45.0	42.1	2.23
Donaghadee	51.8	40.3	45.0	43.4	2.02
Holyhead	52.3	43.1	46.4	44.5	1.86
Liverpool	53.3	41.0	46.0	43.1	1.56
Valencia	54.4	43.5	48.8	46.1	4.01
Roehe's Point	54.7	42.9	47.3	45.2	3.43
Pembroke	51.2	42.5	45.9	44.0	3.10
Scilly	52.7	45.5	49.2	47.4	2.45
Hurst Castle	51.9	42.1	45.1	43.9	1.87
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	56.9	40.2	47.0	44.3	1.86
Oxford	54.9	39.6	44.9	43.0	1.79
Cambridge	56.3	38.4	45.6	43.5	1.76
Yarmouth	49.7	40.4	45.2	43.7	1.80

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 more over Scotland; 30.2 ins and more over the whole of the North Sea, England and the north of Ireland.
Lowest, 29.9 ins and less over Portugal; 29.7 ins and less over Lapland and Finland.
Gradients, slight over the British Isles and North Sea, moderate for W winds over the north of Scandinavia and for E winds over the Channel and Bay of Biscay.
Barometer inclined to fall a little in the far west.

TEMPERATURE

Highest, 54° to 57° in Portugal, 52° at Nice, 46° at Valencia and Seville, and 42° at Lymington Head and Christiansund.
Lowest, 27° at Haparanda, 36° at Brussels, 37° at Munich and Copenhagen, 38° at Loughborough and Alford.
The changes in progress are slight and irregular.

WIND

Fresh from the End over the Channel and Bay of Biscay, moderate NE^{ly} over France, England and Ireland.
Strong to a gale from SW in the north-west of Norway, light NW^{ly} in Sweden and Denmark.
Calms and variable, airs prevail in Scotland.

WEATHER

Dull and unsettled in the north-west of Norway, where also rain has fallen.
Fair elsewhere, but dull in many places.
Slight drizzle reported in some parts of England.

SEA

Rough off the north-west of Norway, rather so off our south-west and south-east coasts, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Pressure at 8 am was changing but little and irregularly; the general tendency, however, was to decrease in most places, but to increase over Germany and France.

The changes, however, were too slight to indicate any immediate alteration in the general character of the weather over our islands.

FORECASTS

For the 24 hours ending at NOON on 11th April 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.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeenæs ...	30.24	43	39	NW 6	c	3	Holyhead ...	30.28	47	43	ESE 3	b	2
Sumburgh Head	30.29	45	41	WNW 2	b	2	Valencia ...	30.23	49	45	ESE 4	cm	4
Stornoway ...	30.35	42	46	SE 2	b	1	Scilly ...	30.13	47	44	E 4	o	4
Aberdeen ...	30.36	45	41	NNE 3	b	2	Dungeness ...	30.08	47	44	E 6	bc	5
Shields ...	30.32	43	41	NNE 3	ofs	3	London ...	30.16	49	42	ESE 4	c	*
Ardrossan ...	30.32	50	46	SE 2	c	1	Yarmouth ...	30.22	44	41	ESE 3	bc	4
Malin Head ...	30.31	47	46	ESE 2	o	1	Jersey ...	30.04	48	44	ESE 5	b	4
Mullaghmore ...	30.30	50	45	N 3	b	2	Rochefort ...	30.00	52	48	N 4	o	2
Belmullet ...	30.30	53	47	E 1	b	*							

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

The continental reports have not arrived.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

† The evening observations are taken at 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 11th April

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.	Haparanda ...	29.62	33	W	2	b	29.55	-14	40	36	+13	W	4	b	*	41	19	In.
	Hernösand ...	29.99	45	NW	2	b	29.99	+04	45	39	+3	N	4	b	*	54	34	-
	Stockholm ...	30.06	48	SW	2	b	30.11	+07	43	41	0	Z	0	b	*	52	36	-
	Wisby ...	30.14	40	W	4	b	30.11	+09	41	39	+4	W	4	b	*	46	32	-
	Bodö ...	29.72	40	NW	5	o	29.58	-11	37	36	+3	W	6	m	3	34	24	0.55
	Christiansund ...	30.14	41	NW	8	o	30.10	-00	42	39	0	NW	8	o	5	45	39	-
	Skudesnaes ...	30.25	40	NW	6	b	30.20	-04	43	38	0	NW	5	b	3	46	31	-
	Christiania Fjord (Farder)	30.13	41	SW	4	b	30.12	-05	39	38	+1	NW	2	b	1	45	36	-
	Skagen (The Scaw)	30.17	42	Z	0	b	30.17	+01	43	41	+4	NW	1	b	1	52	37	-
	Fanö ...	30.22	35	Z	0	b	30.20	+10	37	37	-6	NW	1	b	*	48	31	-
BRITISH ISLANDS.	Sumburgh Head	30.25	45	W	1	o	30.19	-06	44	43	+2	Z	0	c	1	48	37	-
	Stornoway ...	30.22	45	NW	1	b	30.21	-09	39	39	0	Z	0	b	0	51	32	-
	Wick ...	30.25	42	S	1	b	30.20	-09	48	46	+2	NW	1	b	0	53	30	-
	Nairn ...	30.21	45	NW	1	b	30.20	-10	41	40	+2	SW	1	b	1	52	31	-
	Aberdeen ...	30.27	47	S	3	b	30.23	-03	41	40	-2	SW	3	m	1	54	35	-
	Leith ...	30.25	48	E	1	b	30.26	-07	39	39	-5	E	1	om	*	49	33	-
	Shields ...	30.28	43	E	3	b	30.25	-06	39	38	-2	SE	1	c	2	46	37	-
	Spurn Head ...	30.26	42	NW	3	b	30.25	-03	41	39	0	NW	3	c	3	44	38	-
	York ...	30.28	46	E	2	b	30.27	-04	40	38	-2	E	1	o	*	54	35	-
	Loughborough	30.23	45	E	3	c	30.24	-04	40	38	+2	NW	3	c	*	51	37	-
GERMANY.	Ararossan ...	30.21	50	NW	1	b	30.21	-10	46	43	+4	NW	1	bm	0	52	37	-
	Malin Head ...	30.24	46	SE	3	om	30.22	-04	43	43	+2	SE	2	om	1	47	38	-
	Mullaghmore ...	30.16	50	SE	4	b	30.17	-08	41	39	+2	E	3	bm	2	51	32	-
	Belmullet ...	30.16	50	SW	1	b	30.15	-08	43	42	+2	NW	1	b	*	51	37	-
	Donaghadee ...	30.22	45	E	2	b	30.21	-08	43	41	+2	SW	2	o	0	47	40	-
	Barrow-in-Furness	30.20	53	NW	2	b	30.22	-05	40	37	-1	NW	3	b	*	54	36	-
	Liverpool (Bidston)	30.19	51	E	3	b	30.22	-06	40	38	+1	SE	1	o	2	52	35	-
	Holyhead ...	30.17	50	NW	2	b	30.17	-06	47	44	+2	E	1	bm	1	51	37	-
	Parsonstown ...	30.15	53	SE	1	b	30.16	-06	36	35	-7	Z	0	b	*	56	28	-
	Valencia ...	30.11	46	E	5	om	30.10	-00	48	45	+2	Z	0	bm	1	51	36	-
FRANCE & NETHERLANDS.	Roche's Point...	30.13	45	SE	4	c	30.11	-04	45	43	0	E	3	o	4	46	37	-
	Pembroke ...	30.14	43	SE	3	b	30.11	-07	42	40	+2	E	3	bm	2	47	39	-
	Scilly ...	30.06	45	E	7	c	30.01	-05	46	45	0	E	5	o	6	48	43	-
	Prawle Point ...	30.10	44	NW	5	b	30.07	-09	45	43	+5	NW	5	b	5	45	39	-
	Jersey ...	30.03	47	NW	5	b	29.98	-10	48	45	+4	NW	4	bm	4	50	43	-
	Hurst Castle ...	30.13	47	NW	3	b	30.09	-11	43	41	+3	NW	4	b	2	49	36	-
	Dungeness ...	30.12	44	NW	5	b	30.08	-09	44	42	+3	NW	4	b	3	45	40	-
	London ...	30.17	45	E	3	b	30.16	-07	40	39	-2	E	3	om	*	49	35	-
	Oxford ...	30.20	42	NW	3	b	30.19	-07	38	37	0	NW	2	om	*	48	35	-
	Cambridge ...	30.25	42	NW	1	c	30.21	-06	41	39	+2	NW	1	o	*	48	35	-
PENINSULA.	Yarmouth ...	30.24	40	NW	3	c	30.21	-03	40	39	+1	NW	4	c	4	42	38	-
	Cuxhaven ...	30.27	41	NW	1	b	30.28	+05	42	41	+5	SE	1	b	*	43	31	-
	Berlin ...	30.25	46	Z	0	b	30.33	+13	42	39	+2	SE	3	b	*	54	36	-
	Wiesbaden ...	*	*	*	*	*	30.20	+04	48	41	+1	NW	3	b	*	57	39	-
	Munich ...	30.11	39	E	4	b	30.11	+04	40	35	+3	E	6	b	*	48	34	-
	The Helder ...	30.25	42	NW	3	b	30.25	-01	41	40	+3	NW	3	b	3	46	37	-
	Brussels ...	*	*	*	*	*	30.15	-04	46	42	+10	E	1	b	*	56	35	-
	Cape Gris Nez...	30.12	42	E	7	b	30.10	-08	41	41	0	SE	4	b	3	46	31	-
	Paris ...	30.00	58	NW	4	b	30.03	-05	43	40	+5	NW	3	b	*	63	36	-
	Brest ...	29.99	51	SE	5	b	29.96	-08	41	40	+1	E	5	b	*	63	34	-
FRANCE & NETHERLANDS.	Lorient ...	29.95	54	NW	5	b	29.93	-09	45	41	+3	NW	4	b	2	61	39	-
	Roche fort ...	29.94	59	NW	4	b	29.92	-07	43	41	+1	NW	4	b	2	70	37	-
	Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lyons ...	29.89	57	E	1	b	30.02	+09	47	45	+6	SE	1	b	*	62	41	-
	Nice ...	29.98	51	Z	0	o	30.05	+17	50	47	-2	Z	0	c	2	61	46	-
	Perpignan ...	29.88	51	NW	3	o	29.99	+08	47	47	-1	NW	3	b	*	65	44	-
	Biarritz ...	29.79	56	NW	5	b	29.79	-12	54	48	+8	SE	4	b	2	64	45	-
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	29.87	55	NW	4	b	29.94	+16	53	51	-4	Z	0	o	2	59	50	0.20

For Explanation of Columns, see p. 4.

WEATHER CHARTS

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

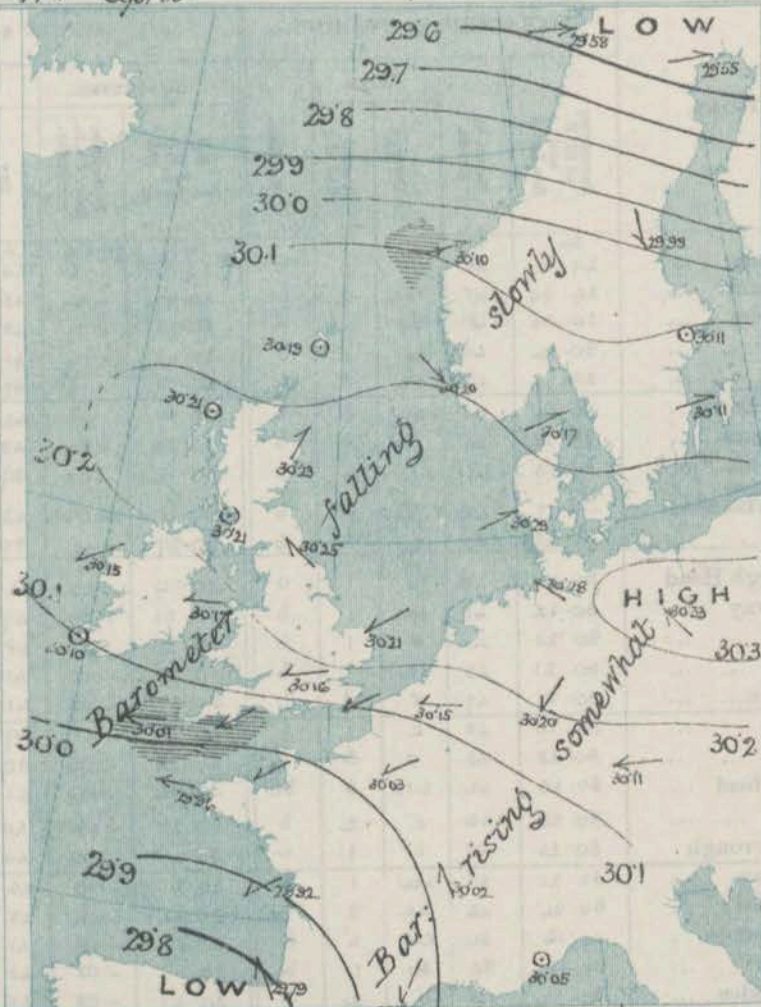
Sea Disturbance — where considerable is shown thus

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.838
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Scilly	29.867
Hurst Castle	29.860
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.873



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

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

Weather — is shown by Letters of the Beaufort Scale.

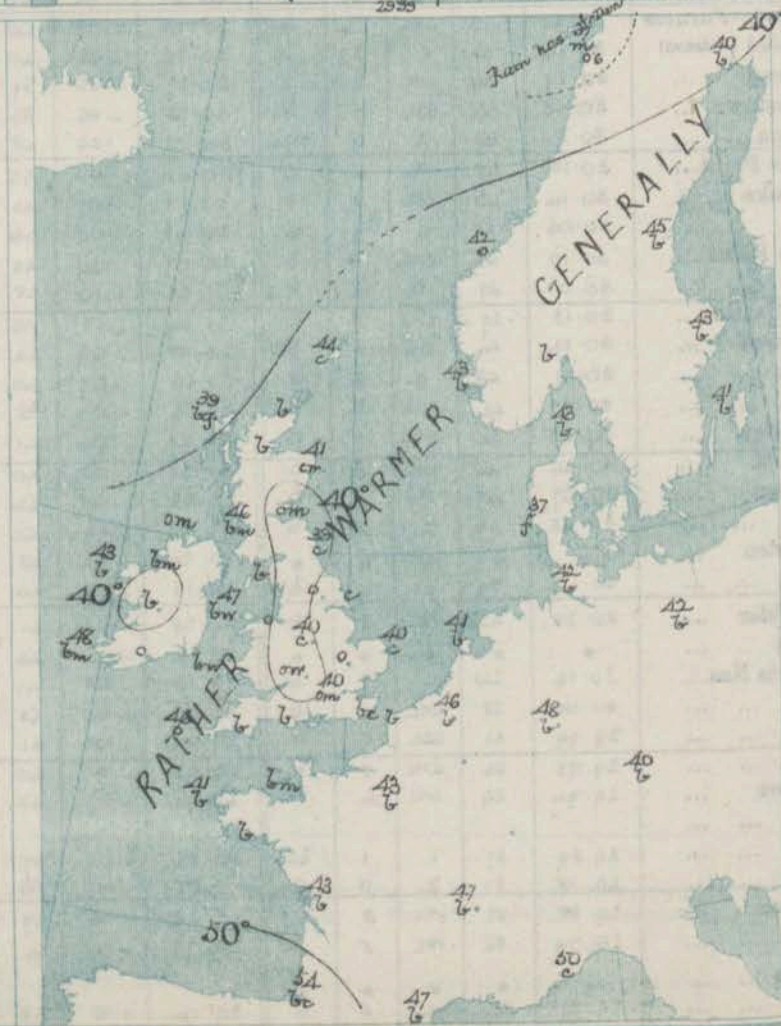
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	46.3	37.5	41.7	40.6	2.16
Stornoway	49.1	37.5	44.1	42.3	2.51
Wick	49.3	37.6	43.0	41.1	1.56
Nairn	51.6	38.4	43.4	40.8	1.23
Aberdeen	49.5	39.3	43.2	40.9	2.23
Leith	53.2	38.6	44.4	42.4	1.66
Shields	49.3	39.8	43.8	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.8	40.8	45.0	42.1	2.23
Donaghadee	51.8	40.3	45.0	43.4	2.02
Holyhead	52.3	43.1	46.4	44.5	1.86
Liverpool	53.3	41.0	46.0	43.1	1.56
Valencia	54.4	43.5	48.8	46.1	4.01
Roche's Point	54.7	42.9	47.3	45.2	3.43
Pembroke	51.2	42.5	45.9	44.0	2.10
Scilly	52.7	45.5	49.2	47.4	2.45
Hurst Castle	51.9	42.1	45.1	43.9	1.87
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	56.9	40.2	47.0	44.3	1.86
Oxford	54.9	39.6	44.9	43.0	1.79
Cambridge	56.3	38.4	46.6	43.5	1.76
Yarmouth	49.7	40.4	45.2	43.7	1.80

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, 30.33 mm at Berlin, 30.20 to 30.24 mm over Scotland and the northeastern half of England.
Lowest, 29.79 mm at Biarritz, 29.6 mm and less over Lapland and Finland.
Gradients are very slight over the northern & northeastern part of our islands, & the North Sea, moderate for W. winds over Scandinavia and for E. winds over France & the Bay of Biscay. Barometer falling slightly, except in the far east.

TEMPERATURE

Highest, 54° at Biarritz, 50° at Nice, 48° at Valence, & 44° at Loughborough Head.
Lowest, 36° at Parsonstown, 37° at Bodo and Lamo, 38° at Oxford and 39° at Perth and Lilloe.
It is low generally for this time of year, but is inclined to rise a little in most parts of the British Kingdom.

WIND

Moderate from the W. over France, the Channel, and the south of England.
Strong from the W. over Finland, Lapland and the northern part of Norway.
Calm or very light and variable in the north and northeast of our islands.

WEATHER

Dull and misty in the north of Norway, where, also, rain has fallen.
Fair and dry elsewhere, but with very variable amounts of cloud.
Fog and haze are prevalent in the north.

SEA

Rough at the mouth of the Channel, as well as at Christianund, moderate in the south and south-east, smooth or nearly so elsewhere.
It is very smooth on our northeast coast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now falling very slowly in the British Islands and their neighbourhood, but is inclined to rise over Germany and the southeast of France. These changes if continued would shortly produce winds from the SE. or S. over our islands, but the rate of change is at present too slight for any immediate change of importance to be looked for.

FORECASTS

For the 24 hours ending at NOON on 12th April 1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	W. breezes, light to moderate; fine.
1	SCOTLAND EAST	Very light breezes and calms; fine, haze or fog at times.
2	ENGLAND N.E.D.....D.....D.....
3	ENGLAND EAST	Same as N ^o 5.
4	MIDLAND COUNTIES	Same as N ^o 1 and 2.
5	ENGLAND SOUTH	E. breezes, moderate; fair, cold, dull at times.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Calms and SW. airs; fine.
7	ENGLAND N.W.	Same as N ^o 1 and 2.
8	ENGLAND S.W.	Same as N ^o 5.
9	IRELAND NORTH	E. to S. breezes, light to fresh; fine.
10	IRELAND SOUTHD.....D.....D.....
WARNINGS		NONE ISSUED.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wsa.	Sea.		Bar.	Dry.	Wet.	Wind.	Wsa.	Sea.
Skudeanaes ...	30.26	46	42	NW 6	5	3	Holyhead ...						
Sumburgh Head ...							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rochefort ...	29.97	66	55	ENE 4	5	2
Belmullet ...													

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

The Continental reports for yesterday have not yet arrived.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 3rd TO THE 9th APRIL 1887.

During the past week the weather has remained cold and somewhat unsettled with falls of sleet or snow in most parts of the Kingdom. On the 3rd pressure was highest (30.2 in.) over the north-west of Ireland, and lowest (29.8 in.) in a depression lying off the north-west of Norway, so that moderate gradients for N^W and NW^W winds prevailed over our islands, with cold showery unsettled weather in the north, but fair mild weather in the south. In the course of the ensuing 24 hours the high pressure system over the north-west of Ireland disappeared, and small depressions, subsidiary to the large disturbance in the extreme north, began to form over our islands and the North Sea. The wind therefore became somewhat more variable and the dull unsettled weather extended to all parts of the country. During the 5th and 6th these small depressions united and formed one large system which gradually moved away in a southeasterly direction over the Netherlands, Germany and France. In its rear a brisk increase of pressure took place over our islands and NE^W winds set in generally; on our north and west coast they were moderate in force, but in the east & south-east they blew with the strength of a gale on the 6th and 7th, with cold showers in many parts of England. By the morning of the 7th the large disturbance had moved away to Switzerland and the South of France and a decided anticyclone had appeared over Scotland. This system held until the close of the week and fine weather therefore became general, with light NW^W winds in the extreme north, but fresh NE^W breeze and a very cold dry air in the south. With the exception of the 4th and 5th when the thermometer exceeded 55° at many of the southern stations the weather has been cold throughout, and in the north of Scotland the maximum temperatures have occasionally been below 40°.

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 12th April 1887.

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

Issued by the Meteorological Office, No. 5, Victoria Street, London, W. 1. 1901, 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 2.)	SHADE TEMP.		Amount of Rain.	
			Dir.	Force. (0 to 12.)		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ..	29.53	37	2	0	0	29.52	+27	27	23	-13	NW	4	0	+	45	1	-	
Hernösand ...	29.90	45	2	0	0	30.00	+01	40	34	-5	N	2	0	+	57	2	-	
Stockholm ...	30.01	49	2	0	0	30.02	+09	46	41	+3	NE	2	0	+	59	36	-	
Wishby ...	30.11	44	N	4	0	30.06	-05	41	39	0	W	4	0	+	57	24	-	
Bodö ...	29.77	29	W	6	0	29.88	+30	28	26	-9	WNW	6	5	3	37	27	-	
Christiansund...	30.05	42	W	8	0	29.98	-12	40	39	-2	W	5	4	4	45	27	0.12	
Skudesnaes ...	30.17	40	NW	4	0	30.11	-09	40	39	-3	WNW	2	4	2	48	29	-	
Christiania Fjord (Farder)	30.05	42	S	4	0	30.00	-12	39	39	0	S	2	2	2	45	39	-	
Skagen (The Sound)	30.12	39	W	2	0	30.06	-11	38	37	-5	W	3	0	1	34	36	-	
Faßö ...	30.22	36	NW	1	0	30.13	-16	37	35	0	NW	1	0	+	43	30	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.15	44	NW	1	0	30.08	-11	45	44	+1	W	2	0	2	50	29	-	
Stornoway ...	30.19	48	N	1	0	30.21	+00	46	45	+7	NW	2	0	1	50	33	-	
Wick ...	30.15	46	SE	1	0	30.17	-03	45	44	-3	NW	1	0	0	56	34	-	
Nairn ...	30.14	45	N	1	0	30.20	+00	44	43	+3	WNW	1	0	1	59	26	-	
Aberdeen...	30.16	45	S	3	0	30.18	-05	44	43	+3	N	4	0	1	51	24	-	
Leith ...	30.14	49	NE	1	0	30.19	-07	39	39	0	SE	1	0	0	50	31	-	
Shields ...	30.17	41	E	2	0	30.14	-11	38	38	-1	W	0	0	2	44	29	-	
Spurn Head ...	30.16	41	E	3	0	30.06	-19	29	39	-2	NE	3	0	3	41	37	-	
York ...	30.18	48	E	1	0	30.13	-14	35	34	-5	N	1	0	+	56	27	-	
Loughborough	30.12	57	NE	2	0	30.11	-13	38	38	-2	NE	2	0	0	60	36	-	
Ardrossan ...	30.12	53	W	0	0	30.15	-06	46	44	0	NE	1	0	0	56	38	-	
Malin Head ...	30.13	46	NE	2	0	30.16	-06	45	45	+2	NE	3	0	2	49	43	-	
Mullaghmore ...	30.12	50	NW	2	0	30.16	-01	45	43	+4	E	2	0	2	53	29	-	
Balmullet ...	30.14	49	NE	2	0	30.16	+01	47	45	+4	NE	2	0	0	50	42	-	
Donaghadee ...	30.14	49	E	2	0	30.14	-07	46	45	+3	NE	3	0	1	50	40	-	
Barrow-in-Furness	30.12	53	ENE	2	0	30.11	-11	46	43	+6	NE	1	0	0	58	39	-	
Liverpool (Bidston)	30.11	53	ENE	1	0	30.10	-12	44	41	+4	NE	1	0	2	54	38	-	
Holyhead ...	30.10	49	NE	1	0	30.08	-09	43	44	+1	ENE	3	0	4	57	41	-	
Parsonstown ...	30.09	58	W	0	0	30.13	-03	38	37	+2	NE	1	0	0	59	29	-	
Valencia ...	30.08	53	NW	1	0	30.10	+00	46	45	-2	W	0	0	0	56	36	-	
Roche's Point...	30.09	49	ENE	4	0	30.05	-06	47	43	+2	N	1	0	3	50	40	-	
Pembroke ...	30.06	52	NE	1	0	30.02	-09	45	43	+3	NE	2	0	1	53	42	-	
Scilly ...	29.99	51	NE	2	0	29.96	-05	49	48	+3	NE	4	0	4	51	44	-	
Prawle Point ...	30.00	51	ENE	5	0	29.97	-10	49	46	+4	ENE	4	0	4	55	44	-	
Jersey ...	-	-	-	-	-	29.93	-05	50	46	+2	ENE	3	0	3	58	45	-	
Hurst Castle ...	30.02	51	E	2	0	30.00	-09	41	41	-2	NE	4	0	1	56	38	-	
Dungeness ...	29.99	48	ENE	5	0	29.94	-14	49	49	+5	ENE	2	0	3	50	35	-	
London ...	30.07	53	E	2	0	30.03	-13	40	39	0	NE	2	0	0	59	37	-	
Oxford ...	30.10	46	NE	2	0	30.07	-12	39	39	+1	NE	3	0	0	53	37	-	
Cambridge ...	30.14	49	ENE	1	0	30.05	-16	42	41	+1	N	1	0	0	60	34	-	
Yarmouth ...	30.14	40	NE	3	0	30.04	-14	44	43	+4	NE	3	0	3	42	38	-	
Cuxhaven ...	30.24	43	NE	2	0	30.17	-11	44	43	+2	ENE	2	0	0	59	37	-	
Berlin ...	30.25	50	SE	2	0	30.19	-14	45	41	+3	SE	1	0	0	57	37	-	
Wiesbaden ...	-	-	-	-	-	30.11	-09	48	41	0	W	0	0	0	61	39	-	
Munich ...	30.08	42	E	4	0	30.12	+01	44	39	+4	SW	4	0	0	54	30	-	
FRANCE & NETHERLANDS.																		
The Helder ...	30.13	45	ENE	3	0	30.06	-19	44	42	+3	ENE	1	0	2	46	41	-	
Brussels ...	-	-	-	-	-	29.99	-16	53	40	+7	SE	1	0	0	61	41	-	
Cape Gris Nez...	30.01	45	E	5	0	29.97	-13	44	42	+3	NE	4	0	3	54	1	-	
Paris ...	29.95	2	NE	2	0	30.00	-03	47	46	+4	S	3	0	0	65	2	-	
Brest ...	29.95	57	ENE	4	0	29.93	-03	47	46	+6	NE	1	0	2	64	34	-	
Lorient ...	29.99	58	SW	1	0	29.88	-05	46	45	+1	ENE	3	0	2	66	43	-	
Rochefort ...	29.93	58	W	3	0	30.03	+11	52	49	+9	W	5	0	2	68	37	-	
Belfort ...	30.04	55	NE	3	0	30.08	+00	53	47	+6	E	1	0	0	61	28	-	
Lyons ...	29.99	54	S	5	0	30.11	+09	48	44	+1	SE	1	0	0	63	42	-	
Nice ...	30.08	54	E	3	0	30.16	+11	49	44	+1	E	1	0	2	61	43	-	
Perpignan ...	29.97	54	NE	4	0	30.06	+07	51	51	+4	E	3	0	0	63	1	0.08	
Biarritz ...	29.97	55	W	3	0	30.01	+22	47	46	-7	ENE	4	0	1	66	45	-	
PENINSULA.																		
Corunna ...	-	-	-	-	-	29.97	+08	54	57	+6	NW	1	0	2	61	48	0.28	
Lisbon ...	30.02	54	SW	5	0	30.03	+09	56	55	+3	W	5	0	2	61	1	0.32	

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

WEATHER CHARTS

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

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.

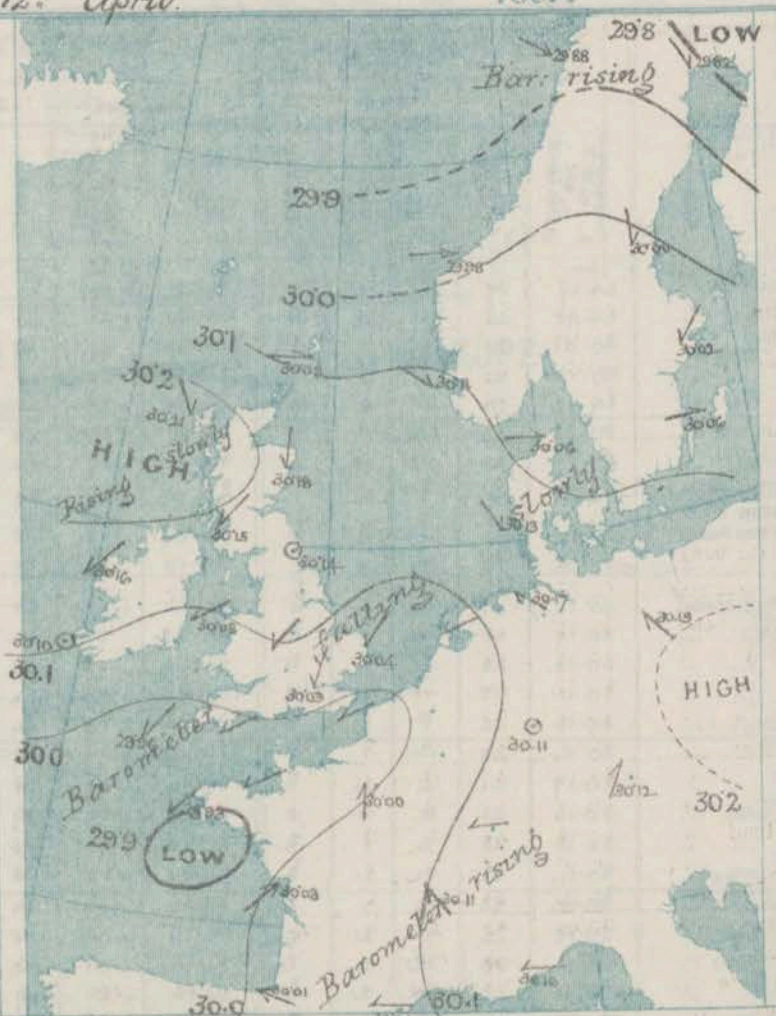
Sea Disturbance — where considerable is shown thus

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.858
Stornoway	29.806
Wick	29.838
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.850
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Scilly	29.867
Hurst Castle	29.865
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.878



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

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

Weather — is shown by Letters of the Beaufort Scale.

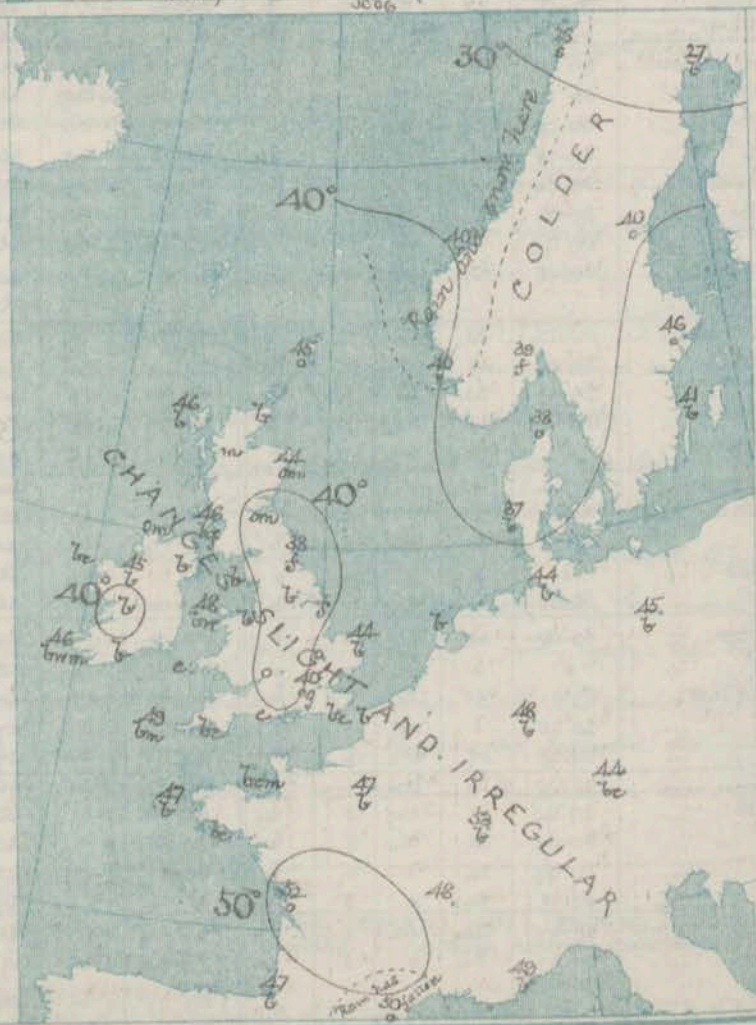
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.	46.3	37.5	41.7	40.6	2.16
Stornoway.	40.1	37.6	44.1	42.3	2.51
Wick.	49.3	37.6	48.0	41.1	1.56
Nairn.	51.6	38.4	43.4	40.8	1.23
Aberdeen.	49.5	39.8	43.2	40.9	2.23
Leith.	53.2	38.6	44.4	42.4	1.65
Shields.	40.3	39.8	43.8	41.7	1.94
York.	54.3	38.1	44.5	42.4	1.86
Ardrossan.	52.8	40.8	45.0	43.1	2.23
Donaghadee.	51.8	40.3	45.0	43.4	2.02
Holyhead.	52.3	43.1	46.4	44.5	1.86
Liverpool.	53.3	41.0	46.0	43.1	1.56
Valencia.	54.4	42.5	48.9	46.1	4.01
Roche's Point.	54.7	42.9	47.3	45.2	3.43
Pembroke.	51.2	42.5	45.9	44.0	2.10
Seilly.	52.7	45.5	49.2	47.4	2.45
Hurst Castle.	51.9	42.1	45.1	43.9	1.87
Dover.	51.5	42.6	46.4	43.8	1.81
LONDON.	55.9	40.2	47.0	44.3	1.86
Oxford.	54.3	39.6	44.9	43.0	1.79
Cambridge.	56.3	38.4	45.6	43.5	1.78
Yarmouth.	49.7	40.4	45.2	43.7	1.80

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 in: and more off our NW coasts and over Germany, 30.1 in: in N. of Great Britain and over the North Sea
lowest, 29.8 in: at Lorient and also at Bordeaux, 29.8 in: at Haparanda.
Gradients slight everywhere. Barometer falling slowly except over Southern Europe, Scotland and the N. of Scandinavia, where it is rising.

TEMPERATURE

Highest, 56° at Lisbon, 52° at Rochefort, 50° at Perpignan, 48° at Lillo and 46° at Stornoway.
lowest, 27° to 28° over Lapland and Finland, 39° at York, 37° at Jona, 38° at Shields, Loughborough and Harrogate.
[Maxima of 55° to 60° occurred at our inland stations and in Sweden yesterday, followed by minima of 27° to 32° in several places, and how' frost on grass.]

WIND

Moderate W in far N. Very light and variable in Scotland.
E in the south of France and in the Netherlands.
N to NE over Ireland and England - W in Portugal, SW at Rochefort, S at Lillo.

WEATHER

Fair over the British Islands, Germany, France and Spain; fog or haze in several places.
Rain or snow are falling in Norway.

SEA

Moderate on some parts of our SW coast, smooth or slight elsewhere - very smooth off the N. and E. of Scotland.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now rising both at the extreme southern and extreme northern stations, falling a little elsewhere. At our northern stations fine and hazy weather seems likely to continue, but the shallow depression and 'hollow' observed over the Bay of Biscay and France are likely, as they move northwards, to bring a less settled condition to the Channel and southern parts of our Islands, than has recently prevailed.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW ² breezes, moderate; some local showers.
1	SCOTLAND EAST	N ² breezes, light; fine, hazy, cold at night.
2	ENGLAND N.E.	----- D° ----- D° ----- D° -----
3	ENGLAND EAST	Same as N° 5
4	MIDLAND COUNTIES	Same as N° 1.
5	ENGLAND SOUTH	NE ² breezes, light; fine, cold at night.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NE ² breezes, light; fine, hazy.
7	ENGLAND N.W.	----- D° ----- D° ----- D° -----
8	ENGLAND S.W.	Same as N° 5
9	IRELAND NORTH	NE ² breezes, light; fine, cold and foggy inland at night.
10	IRELAND SOUTH	----- D° ----- D° ----- D° -----
WARNINGS		NONE ISSUED.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudeenæs ...	30.20	48	43	NW 6	6	3	Holyhead ...	30.14	54	50	E.N.E. 1	6	1
Sumburgh Head ...	30.15	47	45	NW 1	6	1	Valencia ...	30.09	56	51	N.W. 2	6 m	2
Stornoway ...	30.19	47	47	25 0	6 f	0	Scilly ...	30.01	51	50	E.N.E. 4	6 c	5
Aberdeen ...	30.20	48	45	S 4	6	1	Dungeness ...	30.04	49	46	E.N.E. 5	6 c	5
Shields ...	30.21	48	40	E 2	6	2	London ...	30.08	56	47	E.S.E. 3	6	*
Ardrossan ...	30.16	55	49	N.E. 1	6	0	Yarmouth ...	30.18	42	41	E.N.E. 4	c f	4
Malin Head ...	30.14	48	47	E.S.E. 2	0	1	Jersey ...						
Mullaghmore ...	30.15	57	47	N.E. 4	6 m	2	Rocheport ...	29.98	56	56	Sw 1	6	1
Belmullet ...	30.15	54	49	N 1	6	*							

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

The reports for yesterday showed that at 8 am pressure was highest (30.1 in. to a little above 30.3 in.) in a large anticyclonic system which covered the whole of Central and Northwestern Europe. To the northward of this system readings decreased to about 29.5 in. over Lapland and Finland, while to the southward they decreased to about 29.8 in. over the southern part of the Bay of Biscay. In most places the barometer was falling, but over the southern parts of France and Germany a rise had set in which subsequently spread to Spain also. E. breezes and fine dry weather prevailed over Central and Western Europe, calm and variable air over the north of Great Britain, and W. winds over Northern Europe, the latter being accompanied by mist and some rain. Temperatures (which had been low in the night at most inland stations) varied from a little above 60° over some parts of the Mediterranean to rather below 40° over Central England and the north of Norway, and to a little below the freezing point over Central Russia. The highest individual values were 61° at Palma, 60° at Algiers, 59° at L'Isle, Cagliari and Sanguinaire, 58° at Barcelona, 57° at Brindisi, Oporto, and Bilbao, 54° at Palermo, 53° at Liebow, and 48° at Valencia (Ireland); the lowest were 22° at Archangel, 31° at Moscow, 36° at Parsonstown, 37° at Bodø and Fannø and 38° at Oxford.

During the day temperature rose considerably, but as night came on it fell fast, and frost occurred on the ground at most of the British inland stations, and in the shade also in some localities.

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 13th April

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.)			Max.	Min.	
SCANDINAVIA.																		
Haparanda ...	29.77	21	W	4	b	29.75	-.02	22	22	-.5	N	4	b	*	34	?	—	
Hernösand ...	29.84	35	Z	0	f	29.94	-.10	29	25	-.11	N	4	b	*	48	?	0.04	
Stockholm ...	29.73	46	W	4	b	29.85	-.12	35	31	-.11	NNE	6	b	*	55	?	—	
Wisby ...	29.89	45	W	6	b	29.83	-.06	39	37	-.2	ENE	4	o	*	59	37	—	
Bodö ...	29.86	27	W	5	c	29.87	-.01	27	26	-.1	NW	4	c	2	30	25	—	
Christiansund...	30.04	38	NNE	4	o	30.12	+.08	29	28	-.11	NN	4	s	4	?	27	0.16	
Skudesnaes ...	30.02	43	WNW	3	o	29.96	-.06	37	33	-.3	NNW	6	c	4	48	?	—	
Christiania Fjord (Fierder)	29.88	45	NNW	4	b	29.87	-.01	32	32	-.7	NNE	8	rs	3	45	?	—	
Skagen (The Scaw)	29.90	39	NW	2	b	29.79	-.11	42	41	+.1	NNW	1	bc	1	45	37	—	
Fanö ...	30.00	39	NW	4	o	29.97	-.03	42	41	+.1	NW	4	b	*	55	32	—	
BRITISH ISLANDS.																		
Sumburgh Head	30.11	39	N	4	o	30.28	+.17	30	32	-.12	N	4	b	4	50	29	—	
Stornoway ...	30.27	45	N	3	c	30.38	+.11	40	38	-.6	NNE	3	c	3	57	33	—	
Wick ...	30.20	45	NW	4	o	30.30	+.10	38	35	-.7	N	3	c	1	53	34	—	
Nairn ...	30.23	46	N	2	c	30.34	+.11	38	35	-.6	NNE	3	c	3	56	34	—	
Aberdeen...	30.19	48	N	4	c	30.28	+.09	38	35	-.6	N	6	ocf	3	52	36	—	
Leith ...	30.19	45	E	1	m	30.30	+.11	41	37	+.2	NE	2	c	*	48	38	—	
Shields ...	30.18	40	NNE	1	o	30.20	+.02	41	38	+.3	NE	4	o	4	42	36	—	
Spurn Head ...	30.10	41	NNE	5	o	30.13	+.03	42	42	+.4	N	5	cp	4	42	37	0.01	
York ...	30.12	46	NNE	1	b	30.17	+.05	43	41	+.2	N	2	c	*	59	34	—	
Loughborough	30.06	49	NE	3	b	30.13	+.07	42	40	+.2	NE	3	ogm	*	64	38	—	
ARDROSSAN.																		
Ardrossan ...	30.14	53	NE	3	bf	30.27	+.13	43	42	-.3	NE	3	cm	2	57	40	—	
Malin Head ...	30.16	47	N	3	om	30.24	+.08	44	42	-.1	ESE	3	o	2	49	43	—	
Mullaghmore ...	30.16	51	NNE	4	b	30.22	+.06	44	42	-.1	E	4	bm	2	57	41	—	
Belmullet ...	30.20	49	NNE	4	b	30.22	+.02	47	45	-.2	NE	3	bc	*	51	43	—	
Donaghadee ...	30.13	50	NE	2	bc	30.26	+.13	44	41	-.3	E	4	o	2	57	43	—	
BARROW-IN-FARNESS.																		
Barrow-in-Farress	30.07	55	NNE	2	b	30.18	+.11	42	40	-.2	NE	2	bc	*	60	38	—	
Liverpool (Bidston)	30.05	55	ENE	2	b	30.19	+.14	42	39	-.3	NE	1	o	3	55	37	—	
Holyhead ...	30.06	49	NNE	3	bm	30.18	+.12	44	42	-.2	FNE	4	cm	2	53	38	—	
Parsonstown ...	30.08	58	Z	0	c	30.19	+.11	44	42	+.2	NE	1	b	*	60	29	—	
Valencia ...	30.08	54	N	3	bm	30.11	+.03	52	47	+.5	NNE	1	bm	1	60	42	—	
Roche's Point...	30.05	53	SE	1	bm	30.10	+.05	45	43	-.2	NNE	2	m	3	56	42	—	
Pembroke ...	30.01	50	ENE	1	bc	30.09	+.08	42	40	-.2	E	4	b	3	53	39	—	
Scilly ...	29.97	50	NE	2	cm	30.01	+.04	50	47	+.3	E	4	cm	3	51	46	—	
Prawle Point ...	29.97	52	NE	2	b	30.05	+.08	41	40	-.1	ENE	4	o	4	55	39	—	
Jersey ...	29.94	56	Z	0	bt	30.00	+.07	46	46	-.4	NE	3	om	3	61	43	—	
HURST CASTLE.																		
Hurst Castle ...	29.97	50	WNW	1	m	30.06	+.10	41	40	-.1	NE	4	c	2	57	39	—	
Dungeness ...	29.94	49	ENE	3	b	30.01	+.07	40	40	-.4	NE	4	r	3	56	29	0.04	
London ...	29.99	55	ESE	2	b	30.08	+.09	39	38	-.1	NNE	3	ogm	*	65	38	—	
Oxford ...	30.06	42	NE	4	bc	30.12	+.06	39	38	-.1	NE	4	o	*	60	37	—	
Cambridge ...	30.06	45	N	2	b	30.11	+.05	41	39	-.2	N	1	o	*	64	37	—	
Yarmouth ...	30.04	41	NE	3	cf	30.07	+.03	41	40	-.1	NE	5	og	4	44	37	—	
Cuxhaven ...	30.03	43	N	2	b	29.96	-.07	40	40	-.4	N	4	o	*	52	39	—	
Berlin ...	30.02	54	Z	0	b	29.89	-.03	45	42	-.3	SSW	2	b	*	63	41	—	
Wiesbaden ...	*	*	*	*	*	30.01	-.10	49	46	+.3	S	2	c	*	64	41	—	
Munich ...	30.07	48	W	2	c	30.02	-.05	47	43	+.4	SW	4	o	*	57	41	—	
FRANCE & NETHERLANDS.																		
The Helder ...	30.02	40	NE	3	f	30.01	-.01	40	37	-.3	NE	3	o	3	50	37	—	
Brussels ...	*	*	*	*	*	29.96	-.03	44	44	-.4	W	1	o	*	64	44	0.16	
Cape Gris Nez...	29.96	46	NE	3	t	29.99	+.02	40	40	-.4	NE	7	o	5	50	39	0.16	
Paris ...	29.98	63	S	3	bc	29.98	-.02	48	46	+.2	S	1	o	*	64	46	—	
Brest ...	29.96	47	WNW	3	m	30.00	+.04	46	45	-.1	ENE	1	m	2	64	34	—	
Lorient ...	29.97	53	SW	3	bc	29.99	+.02	50	50	+.4	SW	1	o	1	57	43	—	
Rochefort ...	30.05	54	NW	3	b	30.07	+.02	46	46	-.6	E	4	f	2	64	39	—	
Belfort ...	30.04	54	W	1	bc	30.04	-.04	46	43	-.3	W	1	o	*	62	43	0.08	
Lyons ...	30.09	49	W	1	r	30.05	-.04	47	45	-.2	S	3	o	*	59	45	0.04	
Nice ...	30.14	51	SW	1	o	30.06	-.10	48	42	-.6	E	3	b	1	59	41	—	
Perpignan ...	30.06	54	SE	3	o	30.02	-.04	51	50	-.1	SE	3	b	*	64	44	—	
Biarritz ...	29.95	60	SE	1	t	29.98	-.03	52	50	+.2	WSW	4	c	0	63	?	0.08	
CORUNNA.																		
Corunna ...	*	*	*	*	*	30.04	+.07	54	54	-.4	N	1	m	2	66	45	—	
Lisbon ...	30.08	58	W	5	o	30.05	+.07	58	56	+.2	Z	0	bc	2	63	54	—	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on WEDNESDAY 13TH April 1887.

BAROMETER, WIND & SEA.

(Explanation of Map.)

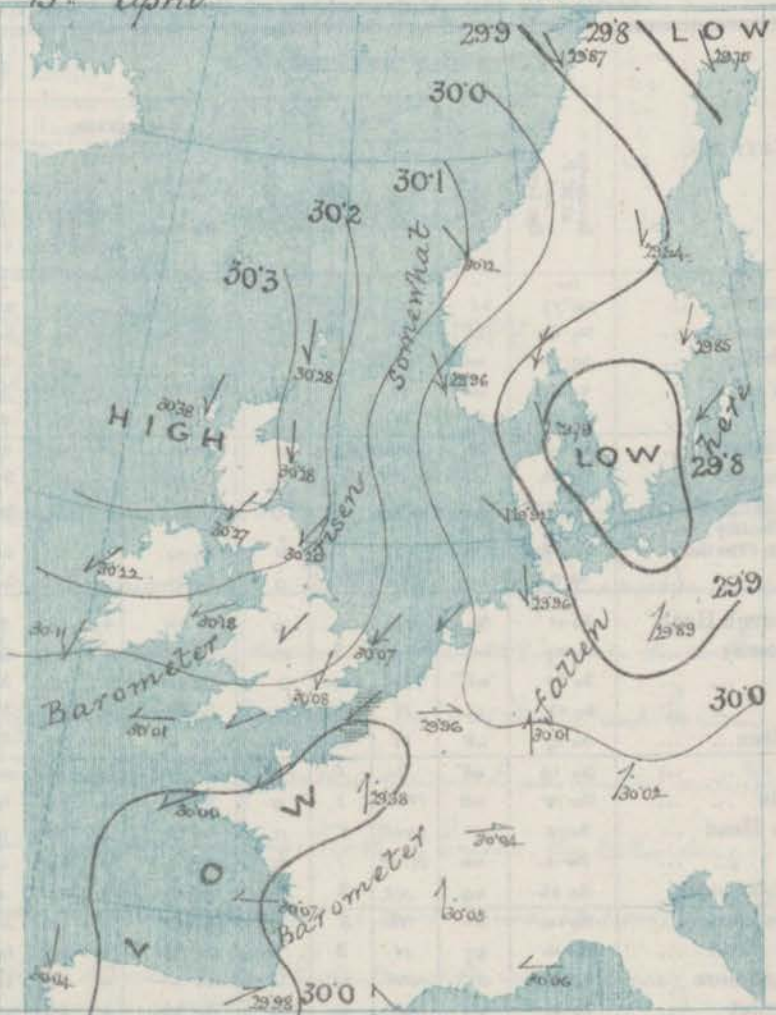
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 — force above 10; — force 8 to 10;
 — force 5 to 7; — force 1 to 4;
 ○ = dead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

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

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of April.
 During the 10 Years 1871–1880.

STATIONS.	MEAN READINGS
	in.
Sumburgh Head.	29.833
Stornoway.	29.806
Wick.	29.885
Nairn.	29.841
Aberdeen.	29.843
Leith.	29.851
Shields.	29.860
York.	29.868
Ardrossan.	29.850
Donaghadee.	29.843
Holyhead.	29.846
Liverpool.	29.859
Valencia.	29.845
Roche's Point.	29.841
Pembroke.	29.847
Scilly.	29.867
Hurst Castle.	29.866
Dover.	29.868
LONDON.	29.876
Oxford.	29.875
Cambridge.	29.878
Yarmouth.	29.873



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

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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.	At 8 a.m.	
			Dry.	Wet.	
Sumburgh Head.	46.3	37.5	41.7	40.0	2.16
Stornoway.	49.1	37.5	44.1	42.9	2.51
Wick.	49.3	37.6	45.0	41.1	1.56
Nairn.	51.0	38.4	43.4	40.8	1.23
Aberdeen.	49.5	39.3	42.2	40.5	2.23
Leith.	53.2	38.6	44.1	42.4	1.65
Shields.	49.3	39.8	43.8	41.7	1.04
York.	54.3	38.1	44.5	42.4	1.86
Ardrossan.	52.8	40.8	45.0	42.1	2.23
Donaghadee.	51.8	40.3	45.0	43.4	2.02
Holyhead.	52.3	43.1	46.4	44.6	1.86
Liverpool.	53.3	41.0	46.0	43.1	1.56
Valencia.	54.4	43.5	48.3	46.1	4.01
Roche's Point.	54.7	42.9	47.3	45.2	3.43
Pembroke.	51.2	42.5	45.9	44.0	3.10
Scilly.	52.7	46.5	49.2	47.4	2.45
Hurst Castle.	51.9	42.1	45.1	43.9	1.87
Dover.	51.5	42.6	46.4	43.8	1.81
LONDON.	56.9	40.2	47.0	44.2	1.66
Oxford.	54.9	39.6	44.9	43.0	1.79
Cambridge.	56.8	38.4	45.6	43.5	1.76
Yarmouth.	49.7	40.4	45.2	43.7	1.80

NOTE — The Temperature means are for the 10 years 1871–80, the Beaufort means are mainly those for the 10 years 1866–83.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.5ms and up to 31 in the west and north of Scotland, 30.38ms at Stormoway.
Lowest, 29.7ms at the Isles, 30.0ms and less over the Bay of Biscay and north of France.
Gradients, slight in the south, moderate elsewhere. Barometer rising over the British Isles and the Channel falling elsewhere, most in the west.

TEMPERATURE

Highest, 53° at Lisbon, 51° to 52° in west of France and at Valencia (Ireland), 50° at Scilly.
Lowest, 32° at Haparanda, 27° to 29° over the northern half of Scandinavia, 38° at Aberdeen, 39° in London.
It has fallen decidedly in Scotland, and the fall seems to be spreading southwards. The air in London has become raw and damp.

WIND

N^{ly} rather strong, over the North Sea — NE^{ly} in the British Isles — light in the north-west, moderate to fresh in the south-east and south.
Variable but moderate over France, and SE^{ly} over Germany.

WEATHER

Fine and bright at our western stations and also over Sweden.
Dull and cloudy elsewhere, with sleet at several northern stations, and cold rain showers at Spurn Head and Bungeess.
(Thunderstorms have occurred in many parts of France)

SEA

Moderate at the North Sea stations and Bungeess, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

1. A new depression has been formed over the south of Sweden during the night and the effect of this together with the increasing pressure over the British Islands will probably be to cause still stronger winds and cold squally showers over the North Sea and our eastern coasts.

2. The disturbances over France and the Bay of Biscay seem to be now stationary, but will probably cause cold rains over the Channel and our southern counties, while milder weather, showers, and further thunderstorms are likely to occur over France.

FORECASTS

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

DISTRICTS.

FORECASTS.

1 SCOTLAND
NORTH

N^{ly} winds, fresh, cold showers.

2 SCOTLAND
EAST

D^o ————— D^o

3 ENGLAND
N E

NE^{ly} winds, strong, squally, some cold showers.

4 ENGLAND
EAST

D^o ————— D^o

5 MIDLAND
COUNTIES

Same as N^o 5.

6 ENGLAND
SOUTH

NE^{ly} winds, moderate to fresh, dull, cold rain at times.

DISTRICTS.

FORECASTS.

6 SCOTLAND
WEST

NE^{ly} winds, moderate, fair, cold.

7 ENGLAND
N W

D^o ————— D^o

8 ENGLAND
S W

Same as N^o 5.

9 IRELAND
NORTH

Same as N^o 6.

10 IRELAND
SOUTH

Same as N^o 6.

WARNINGS

None issued.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudeanaes ...	30.08	48	44	WNW	4	C	2	Holyhead ...	30.09	51	47	NNE	2	b	1
Sumburgh Head ...	30.09	45	40	NW	3	C	2	Valencia ...	30.08	58	52	N	4	bm	3
Stornoway ...	30.23	48	45	NNW	3	a	3	Scilly ...	29.97	50	48	NE	4	bm	4
Aberdeen ...	30.19	48	45	NE	3	b	1	Dungeness ...	29.95	51	47	ENE	3	b	2
Shields ...	30.17	42	40	NNE	1	o	2	London ...	29.97	62	50	SE	2	b	*
Ardrossan ...	30.14	57	56	NE	3	b	2	Yarmouth ...	30.05	42	42	NE	4	b of	3
Malin Head ...	30.17	48	47	N	3	o	2	Jersey ...	29.95	56	51	SE	1	b	1
Mullaghmore ...	30.15	56	50	NNE	1	b	1	Rochefort ...	30.06	60	55	WSW	4	c	2
Belmullet ...	30.19	57	48	NNE	6	b	*								

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Yesterday morning's reports showed that pressure was high (30.1 to 30.3 ins.) over the whole of Central Europe as well as over Scotland and the north of Ireland, while a broad "col" covered the North Sea, Denmark, and Holstein. Over Northern Europe moderate gradients for NW winds prevailed, while over the Bay of Biscay and Spain there lay a shallow depression and hollow, causing a mingling of winds from SW. with those from E. The weather was fine and dry except in the far N. and over the southwest of France, where showers fell, and in the latter region thunder occurred. Temperature again varied from between 55° and 60° over the Mediterranean and the west of Portugal to between 35° and 40° over the British Isles, and to a few degrees below the freezing point over Northern Europe. The highest individual values were 60° at Algiers and at Bilbao; 58° at Cagliari, Brindisi and San Fernando, 56° at Malta and Lisbon, 54° at Genoa, 52° at Naples and Brussels, 48° at Scilly, and 46° at Stornoway; the lowest 27° at Haparanda, 28° at Rode and Archangel, 35° at York, and 38° at Loughborough and Harrogate.

During the day temperature rose fast over the inland districts, maxima being recorded as high as 64° or 65° over England and France. Thunderstorms occurred at several of the French stations and at Jersey, and the general appearance in the south became unsettled.

General Remarks on the Weather for the 24 hours ended 8 a.m. April 10th 1887.

The reports for Saturday, April 9th, showed that pressure was high (30.0 to 30.35 ins.) over the whole of NW Europe, the highest readings of all being reported from Scotland and the north of Ireland. From this region pressure decreased to 29.7 ins. over Lapland, to somewhat below 29.5 ins. over Central and Northern Russia and to about the same value over the Adriatic, while in a southerly direction it decreased to 29.9 ins. over Portugal. This strong SW wind prevailed over the northern parts of Scandinavia, accompanied by dull, misty weather, and some rain, while the winds over the Baltic, France, and England were strong from E. or NE. with cold, dry, fair weather and that over the Mediterranean and south-east of France was NW, with rather showery weather. Temperature varied from about 60° over the western part of the Mediterranean to between 30° and 46° over the British Isles and to several degrees below the freezing point over Northern Europe. The highest individual readings were 61° at Palma, 59° at Algiers and L'Isle, 58° at Barcelona, 57° at Brindisi, 55° at Malta and Oporto, 52° at Lisbon and Perpignan, 51° at Naples and Genoa, and 46° at Rochefort and Valencia (Ireland); the lowest were 16° at Uleaborg, 19° at Archangel, 24° at Haparanda, 31° at Hornsund and St Petersburg, 35° at Munich, 36° at Brussels, and 39° at Loughborough (England).

Later on the anticyclone continued to spread E^{ward} and S^{ward}, and the night was cold and foggy inland, but the air was dry, and the winds changed very 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).

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

DAILY WEATHER REPORT.

for Thursday 14th April

1887.

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

Issued by the Meteorological Office, No. 1, Pall Mall, London, W.1, S.W.1, S.W.1, S.W.1.																		
STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 3.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.76	21	2	0	b	29.82	+0.07	21	19	-1	21	0	b	*	34	12	-
	Hernösand ...	29.95	28	7	2	b	29.95	+0.01	28	24	-1	21	0	b	*	34	25	-
	Stockholm ...	29.99	30	NE	2	b	29.95	+0.04	30	26	-5	NNE	4	b	*	46	28	-
	Wisby ...	29.82	39	ESE	0	0	29.84	+0.02	31	29	-2	ESE	6	S	*	45	30	0.08
	Bodö ...	29.86	28	WNW	1	c	29.87	+0.01	27	23	-4	E	2	b	1	30	28	-
	Christiansund...	30.13	29	NNE	4	S	30.12	-0.01	32	31	+1	WNW	3	S	5	32	25	0.12
	Skudesnaes ...	30.04	85	NW	6	c	30.18	+0.14	33	31	-2	WNW	4	b	4	?	?	-
	Christiania Fjord (Færdar)	29.82	39	NNE	8	0	30.08	+0.26	30	28	-2	N	6	b	2	36	28	-
	Skagen (The Scaw)	29.84	83	NE	8	0	30.02	+0.18	31	30	-1	E	4	b	3	45	28	0.04
	Fanö ...	29.87	36	NW	6	b	29.97	+0.05	35	32	-3	N	6	b	*	46	30	-
BRITISH ISLANDS.	Sumburgh Head	30.32	32	NNE	2	c	30.36	+0.04	34	32	+1	21	0	0	1	39	28	-
	Stornoway ...	30.41	39	ESE	3	0	30.44	+0.03	39	36	-1	N	1	c	1	43	33	-
	Wick ...	30.35	34	NNE	4	0	30.43	+0.08	37	35	-1	N	2	0	0	48	32	0.04
	Nairn ...	30.35	37	N	3	b	30.41	+0.06	37	34	-1	N	1	c	2	45	33	-
	Aberdeen...	30.31	37	N	5	b	30.38	+0.07	36	33	-2	WNW	4	0	3	43	32	-
	Leith ...	30.31	42	E	1	c	30.41	+0.10	37	34	-1	N	1	c	*	45	34	-
	Shields ...	30.24	39	NNE	4	c	30.32	+0.08	37	35	-1	NNE	4	c	5	44	32	0.04
	Spurn Head ...	30.16	40	NNE	6	b	30.22	+0.06	35	34	-1	N	6	c	6	44	32	0.02
	York ...	30.21	41	N	3	c	30.31	+0.10	35	33	-2	N	2	S	*	45	30	0.01
	Loughborough	30.16	41	NNE	4	0	30.28	+0.12	36	33	-3	NE	3	b	*	46	31	-
GERMANY.	Ardrossan ...	30.30	46	NE	3	b	30.42	+0.12	41	35	-4	NE	2	b	1	56	30	-
	Malin Head ...	30.31	44	NNE	3	0	30.41	+0.10	41	39	-2	SE	2	0	1	45	38	-
	Mullaghmore ...	30.28	48	NE	4	b	30.43	+0.15	40	38	-2	SE	3	0	2	51	36	-
	Belmullet ...	30.30	48	NE	2	b	30.44	+0.14	44	42	-2	ESE	2	0	*	56	37	-
	Donaghadee ...	30.28	46	NE	4	b	30.43	+0.15	40	35	-5	E	3	b	1	49	37	-
	Barrow-in-Farman	30.23	43	N	3	c	30.34	+0.11	36	33	-3	N	3	b	*	51	33	-
	Liverpool (Bidston)	30.22	42	NE	4	b	30.36	+0.14	39	34	-5	NNE	3	b	3	48	32	-
	Holyhead ...	30.23	44	NE	5	b	30.38	+0.15	39	36	-3	NE	4	b	3	46	38	-
	Parsonstown ...	30.28	49	E	1	b	30.43	+0.15	40	37	-3	21	0	b	*	53	27	-
	Valencia ...	30.17	54	NE	5	b	30.38	+0.21	45	40	-5	ESE	3	b	4	60	40	-
FRANCE & NETHERLANDS.	Roche's Point...	30.21	48	E	5	b	30.38	+0.17	42	39	-3	ESE	4	b	4	53	34	-
	Pembroke ...	30.15	46	NNE	2	c	30.34	+0.19	37	34	-3	NE	4	b	3	49	34	-
	Scilly ...	30.09	45	E	4	0	30.26	+0.17	42	37	-5	E	5	0	4	50	40	-
	Prawle Point ...	30.11	44	ESE	3	c	30.27	+0.16	41	38	-3	ESE	4	b	4	47	33	-
	Jersey ...	30.05	43	ESE	3	b	30.17	+0.12	41	39	-2	ESE	4	c	3	50	40	-
	Hurst Castle ...	30.07	47	NE	4	c	30.25	+0.18	39	36	-3	NNE	4	b	2	50	34	-
	Dungeness ...	30.03	44	NE	4	0	30.14	+0.11	38	36	-2	NNE	4	c	3	45	32	0.05
	London ...	30.10	42	N	4	0	30.23	+0.13	37	34	-3	N	3	b	*	47	34	-
	Oxford ...	30.18	40	NE	4	0	30.28	+0.10	37	34	-3	N	3	b	*	46	30	-
	Cambridge ...	30.14	39	N	2	0	30.25	+0.11	36	35	-1	N	2	S	*	49	30	0.03
PENINSULA.	Yarmouth ...	30.08	41	NNE	4	c	30.14	+0.06	39	35	-2	NNE	5	c	5	45	33	0.03
	Cuxhaven ...	29.93	40	N	6	b	29.89	-0.04	36	35	-1	N	5	c	*	43	34	-
	Berlin ...	29.79	34	NW	2	N	29.78	-0.01	40	36	-4	WNW	2	0	*	64	37	0.12
	Wiesbaden ...	*	*	*	*	*	29.89	-0.12	37	34	-3	N	2	S	*	61	36	0.08
	Munich ...	29.95	45	SW	3	0	29.81	-0.14	45	43	-2	SW	4	0	*	54	41	0.16
	The Helder ...	30.04	39	NNE	4	0	30.03	-0.01	39	35	-4	NNE	5	S	3	43	37	-
	Brussels ...	*	*	*	*	*	30.04	+0.08	38	33	-5	WNW	1	S	*	47	36	-
	Cape Gris Nez...	30.02	41	ESE	7	0	30.12	+0.10	35	34	-1	NNE	8	S	?	?	?	0.04
	Paris ...	29.96	49	WNW	4	0	30.07	+0.09	39	35	-4	N	4	0	*	64	39	0.04
	Brest ...	30.04	34	ESE	5	m	30.18	+0.14	43	41	-2	ESE	5	0	4	64	34	-

For Explanation of Columns, see p. 4.

WEATHER

CHARTS

for 8 a.m. on Thursday, 14th April.

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 —

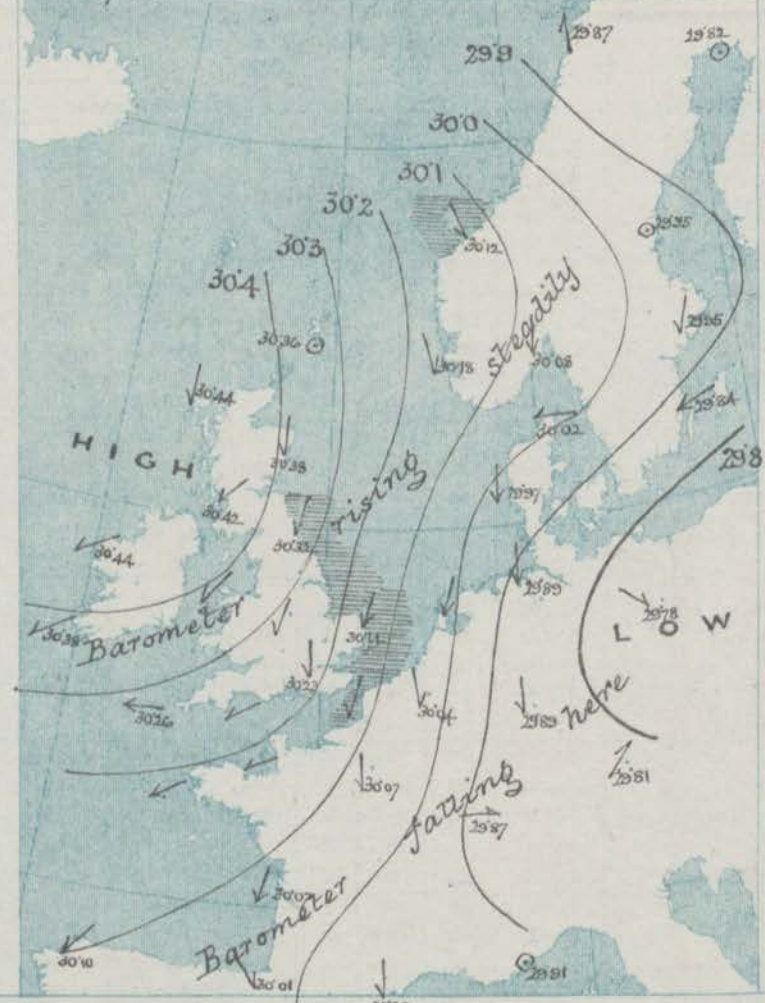
→ = forces above 10, → = forces 8 to 10,
→ = forces 5 to 7, → = forces 1 to 4,
○ = dead calm.

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sunbury Head	29.833
Stornoway	29.806
Wick	29.838
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roches Point	29.841
Pembroke	29.847
Scilly	29.867
Hurst Castle	29.868
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.873



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	Avg. & M.	Wet.	
Sunbury Head	46.3	37.5	41.7	40.6	2.16
Stornoway	40.1	37.5	44.1	42.3	3.51
Wick	40.3	37.8	43.0	41.1	1.66
Nairn	51.5	38.4	43.4	40.6	1.23
Aberdeen	40.5	39.3	43.2	40.9	2.23
Leith	53.2	38.6	44.4	42.4	1.66
Shields	49.3	39.8	43.5	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.5	40.8	46.0	42.1	2.23
Donaghadee	51.8	40.3	45.0	43.4	2.03
Holyhead	52.3	43.1	46.4	44.5	1.86
Liverpool	53.3	41.0	46.0	43.1	1.56
Valencia	54.4	43.5	48.8	46.1	4.01
Roches Point	54.7	42.9	47.3	45.2	3.43
Pembroke	51.2	42.5	45.9	44.0	2.10
Scilly	52.7	45.5	49.2	47.4	2.45
Hurst Castle	51.9	42.1	45.1	43.9	1.87
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	53.9	40.2	47.0	44.3	1.86
Oxford	54.3	39.6	44.9	43.0	1.79
Cambridge	56.3	38.4	45.6	43.6	1.73
Yarmouth	49.7	40.4	45.2	43.7	1.80

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 and to the westward of Ireland and Scotland.
Lowest, 29.8 in. and less, in a large area lying over North Germany and the Baltic.

TEMPERATURE

Highest, 58° at Lisbon, 54° at Biarritz, 53° at Perpignan, and 51° at Nice; highest in our islands 48° at Valencia.
Lowest, 21° at Haparanda, 27° at Bodø and 28° at Hammerfest; lowest in our islands 34° in the Shetlands.

WIND

N^W or NE^W over the whole of Western Europe, but W^W or SW^W in Germany.
Light or moderate in force at all our western and northern stations; fresh or strong in the east and south.

WEATHER

Dull in France and Germany, but fair in most other countries.
Snow showers, however, reported in the East of England and steady snow at Kirby, Christiansund, Westboden, and in the Netherlands.

SEA

Rather rough off the east of England and also at Christiansund, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The complex area of low pressure noticed yesterday over the Bay of Biscay and north of France has apparently filled up, while the more clearly defined depression over the south of London has moved southwards to North Germany. In consequence of these changes the barometer has risen at all but the German and eastern French stations, and the anticyclone which formerly lay to the north-westward of our islands has extended southwards and eastwards over all our western and northern coasts.

There is at present no sign of any important change in the weather. Small shallow depressions are apparently moving southwards along our east coasts, and the distribution of pressure is favourable for the continued advance of such disturbances.

FORECASTS

For the 24 hours ending at NOON on 15th April 1887.

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND NE
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

N^W to NW^W winds, moderate; fair generally.
D^o D^o D^o
Same as N°5
Same as N°5
Same as N°5
N^W or NE^W winds, fresh; changeable, some snow showers.

DISTRICTS.

FORECASTS.

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

NE^W winds, light or moderate, fair generally.
D^o D^o D^o
NE^W and E^W winds, fresh or strong, fair generally.
Same as N°6
Same as N°6
NONE ISSUED.

WARNINGS

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wva.	Sea.		Bar.	Dry.	Wet.	Wind.	Wva.	Sea.
Skudeenæs ...	30.01	40	34	N 8	6c	4	Holyhead ...	30.21	45	42	N 12	6c	2
Sumburgh Head ...	30.20	36	33	N 4	6	4	Valencia ...	30.14	60	58	E 12	6m	4
Stornoway ...	30.40	36	33	N 3	c	3	Scilly ...	30.07	47	45	E 5	6m	4
Aberdeen ...	30.29	43	37	N 5	c 3h	3	Dungeness ...	30.02	43	41	N 5	0	3
Shields ...	30.23	41	35	N 4	c	4	London ...	30.09	47	41	N 12	0	4
Ardrossan ...	30.27	50	47	E 12	3	2	Yarmouth ...	30.06	45	43	N 12	0	4
Malin Head ...	30.22	45	42	N 3	c	2	Jersey ...	30.03	45	44	E 12	0	3
Mullaghmore ...	30.27	50	46	c 4	c	2	Rochefort ...	30.06	58	45	N 4	6	1
Belmullet ...	30.26	51	50	E 8	6	*							

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

The continental reports for yesterday morning showed that although the highest pressures, 30.3 ins: and upwards, were found over and to the northward of Scotland, an area of high reading, 30.1 ins: and upwards, existed over the Black Sea and Southern Russia. The lowest readings, 29.7 ins: and less, were found over Finland and the Baltic Provinces, but shallow depression systems lay over the south of Sweden and the Bay of Biscay. Over Southern and Central Europe the wind was very variable, but over the British Isles and the North Sea it was Nor NE², in Scandinavia and Denmark NW², and in North Germany W or SW². Rain was falling in several parts of the Netherlands and France, and showers of sleet at some of our own northern and eastern stations, but elsewhere the weather was generally fair. Temperature had risen a little in Algeria and Spain as well as over Austria and Southern Russia, but fallen elsewhere; readings ranged from between 55° at the Spanish, Algerian, and Mediterranean stations to 32° or less over Northern Europe. The highest individual readings were 64° at Oram, 63° at La Calle, 61° at Sfax and Algiers, 59° at San Fernando, and 58° at Brindisi and Malta; the lowest were 14° at Archangel, 21° at Uleaborg, 22° at Haparanda and 27° at Rode.

In the course of the day the depression over the Bay of Biscay filled up, while that over the south of Sweden moved southeastward to North Germany, and the anticyclone to the northward of our islands extended slowly southeastwards. Cold showers fell at many of our eastern stations, and frost was experienced at night over nearly all the inland parts of the United Kingdom.

General Remarks on the Weather for 24 hours ended 11th April 1887.

The reports for Sunday (April 10th) showed that the anticyclonic system noticed on the 9th, not only continued but had moved slightly in a south-easterly direction, and had spread over the whole of Western and Central Europe. The highest readings of all slightly exceeded 30.3 ins: and were reported from Scotland, whence pressure decreased in value to about 29.6 ins: over Finland, to 29.7 ins: over Asiatic Turkey, and to about 29.8 ins: over Eastern Algeria and Portugal. The winds and rather showery weather prevailed over Northern Europe, N winds and fair weather over Germany, rather strong NE winds and fine, dry weather over France and the south of our islands, and fresh SE winds and fine weather in Ireland. Temperature showed some slight tendency to rise, and varied from rather above 60° over the western parts of the Mediterranean, and from between 38° and 46° over the British Isles to several degrees below the freezing point over Russia and Finland. The highest individual values were 63° at Palma, 60° at Cagliari, 59° at Barcelona, 57° at Brindisi and Lisbon, 55° at Malta, 54° at Tangier, 52° at Nice and 46° at Scilly and Valencia; the lowest 20° at Uleaborg, 23° at Archangel and Moscow, 26° at St Petersburg, 27° at Haparanda, 34° at Rode, 37° at Munich, and 38° at Oxford and Loughborough.

Later in the day the anticyclone continued to move eastwards, and the daily maxima became higher over the inland parts of Western Europe than for some time past; the succeeding night, however, was cold, and in some localities hazy. No frost was formed on the ground in many places.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Friday 15th April 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	21	WSW	2	b	29.99	+ .17	22	21	+ 1	N	2	b	*	32	12	—	
Hernösand ...	29.91	28	L	0	b	30.04	+ .09	29	27	+ 1	L	0	b	*	41	19	—	
Stockholm ...	29.95	29	L	0	b	29.99	+ .04	31	26	+ 1	L	0	b	*	36	25	—	
Wisby ...	29.86	43	ENE	4	b	29.94	+ .10	32	28	+ 1	NE	4	b	*	?	?	—	
Bodö ...	29.90	30	NE	2	b	30.10	+ .23	30	28	+ 3	ESE	2	bc	1	34	25	—	
Christiansund...	29.95	30	NNW	4	s	30.18	+ .06	31	30	— 1	SSW	1	b	4	34	23	0.24	
Skudesnaes ...	30.12	35	WNW	4	s	30.11	— .07	35	30	+ 2	NNW	4	b	4	39	?	—	
Christiania Fjord (Færd)	30.02	37	WNW	4	bc	30.02	— .06	34	29	+ 4	NE	6	b	2	37	?	—	
Skagen (The Scaw)	30.04	33	NNW	2	b	29.95	— .07	34	33	+ 3	NE	2	bc	1	39	30	—	
Fanö ...	30.13	30	N	2	b	29.92	— .05	36	35	+ 1	NW	4	cshp	*	39	28	—	
BRITISH ISLANDS.																		
Sumburgh Head	30.25	40	WNW	4	o	30.25	— .11	38	35	+ 4	NNE	2	c	2	42	32	0.08	
Stornoway ...	30.42	41	SSE	3	o	30.36	— .08	44	43	+ 5	NW	2	cp	2	45	35	0.01	
Wick ...	30.35	39	N	3	bc	30.31	— .12	42	41	+ 5	N	1	o	0	45	33	0.02	
Nairn ...	30.37	43	NW	2	b	30.39	— .08	40	37	+ 3	L	0	c	0	48	34	—	
Aberdeen...	30.37	42	NNW	3	b	30.31	— .07	44	39	+ 8	NNW	5	b	2	44	39	—	
Leith ...	30.40	44	N	1	b	30.38	— .03	43	39	+ 6	NW	1	bm	*	43	32	—	
Shields ...	30.40	40	N	3	o	30.35	+ .03	38	36	+ 1	W	2	b	4	44	30	—	
Spurn Head ...	30.35	40	N	5	bc	30.39	+ .11	39	36	+ 4	WNW	5	bm	5	42	35	—	
York ...	30.40	40	N	3	c	30.38	+ .07	39	35	+ 4	W	1	b	*	45	28	0.01	
Loughborough	30.38	41	NNE	4	c	30.42	+ .14	39	35	+ 3	W	3	b	*	45	30	—	
GERMANY.																		
Arrossan ...	30.44	45	W	4	b	30.38	— .04	44	43	+ 3	L	0	op	0	47	37	0.01	
Malin Head ...	30.44	44	NW	1	o	30.42	+ .01	46	45	+ 5	NW	3	op	2	46	41	0.01	
Mullaghmore ...	30.46	47	WNW	1	c	30.47	+ .04	46	45	+ 6	W	2	c	2	49	40	—	
Belmullet ...	30.48	47	N	2	b	30.50	+ .06	46	44	+ 2	S	1	b	*	51	37	—	
Donaghadee ...	30.46	44	N	3	b	30.42	— .01	46	44	+ 6	N	4	bc	2	46	33	—	
FRANCE & NETHERLANDS.																		
Barrow-in-Furness	30.45	43	NE	2	b	30.39	+ .05	43	40	+ 7	NNW	3	o	*	48	35	—	
Liverpool (Bidston)	30.42	42	N	2	bc	30.43	+ .07	41	36	+ 2	WSW	4	o	3	45	33	—	
Holyhead ...	30.44	40	NNE	3	b	30.45	+ .07	42	40	+ 3	WNW	2	c	2	43	35	—	
Parsonstown ...	30.48	48	NE	1	b	30.51	+ .08	39	37	— 0	L	0	o	*	49	29	—	
Valencia ...	30.44	47	S	4	cm	30.51	+ .13	46	41	+ 1	L	0	b	0	?	32	—	
SPAIN.																		
Roche's Point...	30.44	43	ESE	5	b	30.50	+ .12	40	37	— 2	E	3	b	3	47	32	—	
Pembroke ...	30.40	42	NE	3	c	30.48	+ .14	39	37	+ 2	L	0	b	0	45	35	—	
Scilly ...	30.35	44	NE	5	bc	30.46	+ .20	46	40	+ 4	E	2	bm	3	46	39	—	
Prawle Point ...	30.36	42	ENE	3	bc	30.49	+ .22	45	40	+ 4	E	2	b	1	47	30	—	
Jersey ...	30.30	43	NE	3	bm	30.45	+ .28	43	38	+ 2	NE	3	b	3	50	37	—	
FRANCE & NETHERLANDS.																		
Hurst Castle ...	30.33	43	NNE	4	bc	30.47	+ .22	41	40	+ 2	N	2	b	1	47	26	—	
Dungeness ...	30.24	40	NE	5	c	30.40	+ .26	38	35	0	N	2	c	2	45	28	0.02	
London ...	30.33	41	NNE	4	b	30.43	+ .20	35	33	— 2	W	2	c	*	44	28	—	
Oxford ...	30.41	37	NE	2	b	30.45	+ .17	37	35	— 0	L	0	b	*	46	28	—	
Cambridge ...	30.36	39	N	2	b	30.42	+ .17	42	37	+ 6	NW	1	c	*	47	28	0.02	
GERMANY.																		
Yarmouth ...	30.28	40	NNE	5	c	30.34	+ .20	39	37	0	NW	4	af	4	42	33	0.03	
Cuxhaven ...	30.06	35	NNE	7	o	30.07	+ .18	38	37	+ 2	WNW	5	s	*	38	35	—	
Berlin ...	29.87	40	WNW	3	o	30.09	+ .31	34	32	— 6	NW	5	c	*	48	32	0.04	
Wiesbaden ...	*	*	*	*	*	30.27	+ .38	35	30	— 2	N	3	b	*	50	30	0.04	
Munich ...	29.91	33	NW	4	s	30.13	+ .32	29	27	— 16	NW	3	c	*	50	27	0.08	
FRANCE & NETHERLANDS.																		
The Helder ...	30.25	36	NNW	3	bc	30.27	+ .24	39	37	0	NW	3	c	3	39	36	0.04	
Brussels ...	*	*	*	*	*	30.35	+ .31	35	32	— 3	W	3	o	*	44	30	0.04	
Cape Gris Nez...	30.25	38	NNE	8	c	30.38	+ .26	38	37	+ 3	NNW	5	c	5	45	34	0.04	
Paris ...	30.18	40	N	5	bc	30.40	+ .33	32	30	— 7	NNE	3	b	*	45	30	—	
Brest ...	30.29	45	NE	5	b	30.45	+ .27	41	36	— 2	ENE	3	bc	4	52	34	—	
FRANCE & NETHERLANDS.																		
Lorient ...	30.25	44	ENE	7	c	30.45	+ .32	39	35	— 5	ENE	4	bc	2	50	36	—	
Rocheport ...	30.22	47	NE	7	o	30.40	+ .33	36	34	— 11	ENE	5	b	2	54	30	—	
Belfort ...	29.97	37	W	1	s	30.16	+ .29	36	34	— 12	E	3	b	*	49	27	0.20	
Lyons ...	30.08	36	NNW	5	r	30.18	+ .19	31	27	— 16	NNW	7	bc	*	51	30	0.12	
Nice ...	29.78	51	E	1	c	29.56	— .35	45	43	— 3	L	0	o	2	63	41	—	
FRANCE & NETHERLANDS.																		
Perpignan ...	30.36	56	NW	4	b	30.45	+ .17	38	35	— 15	NW	7	b	*	63	39	—	
Biarritz ...	30.09	54	N	7	r	30.29	+ .28	39	35	— 15	E	7	b	?	?	?	0.16	
SPAIN.																		
Corunna ...	*	*	*	*	*	30.18	+ .08	54	50	+ 2	NE	7	b	4	61	48	—	
Lisbon ...	30.06	59	NNE	5	bc	30.08	+ .02	57	54	— 1	WSW	1	b	2	66	54	—	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Fridays 15th April.

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 heads and feathers refer to force, thus —

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

Sea Disturbance — Where considerable is shown thus

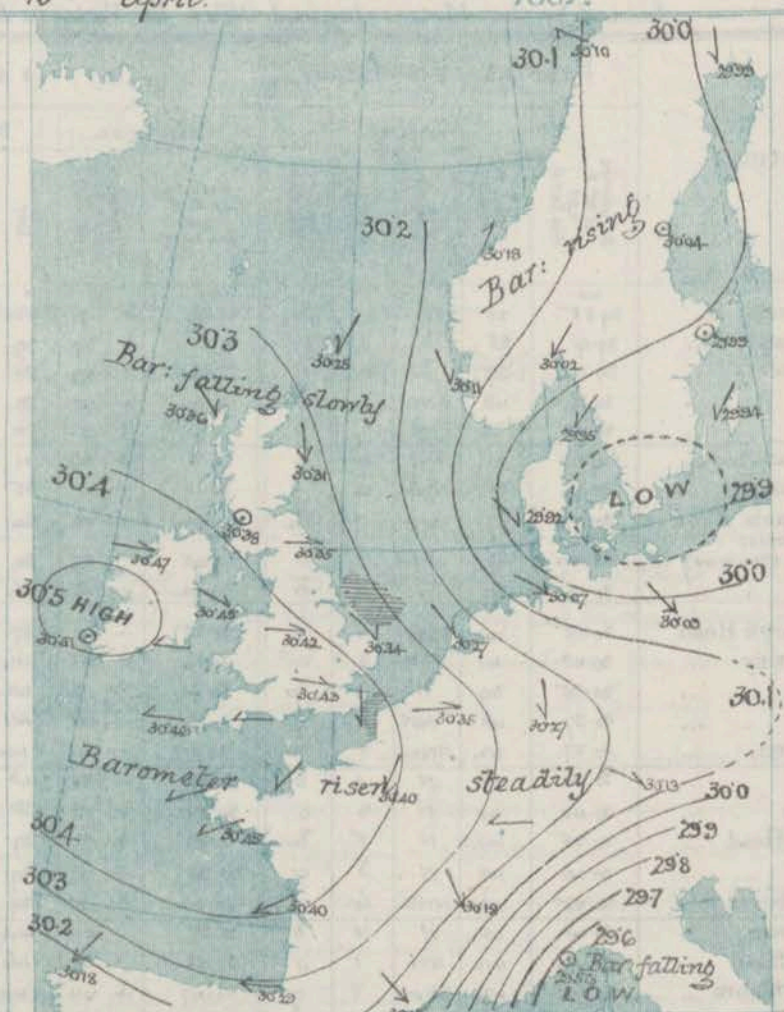
■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.888
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Selly	29.867
Hurst Castle	29.866
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.873



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

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

Weather — is shown by Letters of the Beaufort Scale.

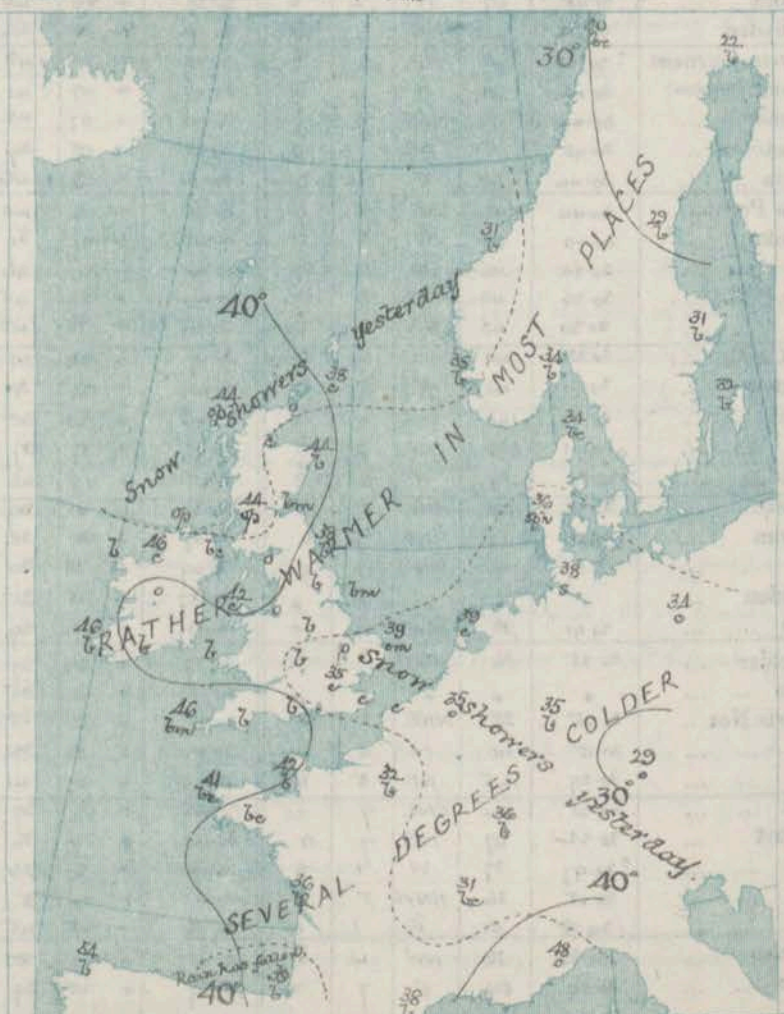
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April

STATIONS	TEMPERATURE				RAINFALL (inches)
	Daily Max.	Daily Min.	At 8 a.m. Dry	Wet	
Sumburgh Head	46.8	37.5	41.7	40.6	2.16
Stornoway	39.1	37.5	44.1	42.3	2.51
Wick	49.3	37.6	43.0	41.1	1.56
Nairn	51.6	38.4	43.4	40.8	1.23
Aberdeen	49.6	39.8	43.2	40.9	2.28
Leith	53.2	38.6	44.4	42.4	1.65
Shields	49.3	39.8	43.8	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.8	40.8	45.0	42.1	2.28
Donaghadee	51.8	40.3	45.0	43.4	2.02
Holyhead	52.3	43.7	46.4	44.5	1.86
Liverpool	53.3	41.0	46.0	43.1	1.56
Valencia	54.4	43.5	48.8	46.1	4.01
Roche's Point	54.7	42.9	47.3	45.2	3.43
Pembroke	51.2	42.5	45.9	44.0	2.10
Selly	52.7	45.5	49.2	47.4	2.46
Hurst Castle	51.9	42.1	45.1	43.9	1.87
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	56.9	40.2	47.0	44.3	1.86
Oxford	54.9	39.6	44.9	43.0	1.79
Cambridge	56.3	39.4	45.6	43.5	1.76
Yarmouth	49.7	40.4	45.2	43.7	1.80

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 south and west of Ireland, but high, 30.2 ins and upwards over the whole of Ireland. Also the south of England and the north and north-west of France.
Lowest, 29.6 ins and less in a depression lying over the Gulf of Genoa, but less, 29.4 ins and less in another depression having its centre near Copenhagen.

TEMPERATURE { Highest, 57° at Lisbon, 54° at Corunna, and 46° in the north and west of Ireland as well as at Seattle.
Lowest, 22° at Kagaeranda, 24° at Hambour and Munich, 30° at Vots, 31° at Christiansund, Stockholm and Lyons and 35° in London.

WIND { Moderate W^{ly} or NW^{ly} in the north and east of our islands, as well as over the North Sea.
Slight NE^{ly} in the extreme south of our islands and the north of France.
Strong to a gale from NW at Lyons and Perpignan.

WEATHER { Fair in most places, but snow showers falling in the south of Denmark and rain showers in the west of Scotland and north of Ireland.
[Showers of snow fell yesterday over the east and south-east of England as well as over the Netherlands and Germany.]

SEA { Rather rough at Spurn Head and Cape Gris Nez, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone noticed over our western and northern coasts yesterday has moved southwards and south-eastwards, and the barometer has therefore risen decidedly over Germany, the south of our islands, and the greater part of France. In the course of the night, however, a depression has travelled rapidly in a south-easterly direction across Norway to the neighbourhood of Denmark, while another and deeper disturbance has been formed over the Gulf of Genoa.

Neither of these disturbances is likely to affect the weather over our islands; but, as the anticyclone continues to move south-eastwards the wind will probably back more to the Wnd, with milder weather.

FORECASTS

for the 24 hours ending at NOON on 16th April 1887.

DISTRICTS.		FORECASTS.	
0	SCOTLAND NORTH	NW ^{ly} to N ^{ly} winds, moderate, fair generally, but some showers.	
1	SCOTLAND EAST	----- D° ----- D° -----	
2	ENGLAND N. E.	NW ^{ly} and N ^{ly} winds, moderate, fair generally, but local showers.	
3	ENGLAND EAST	Same as N° 5.	
4	MIDLAND COUNTIES	Same as N° 5.	
5	ENGLAND SOUTH	NW ^{ly} winds, light, fair generally, warmer.	

DISTRICTS.		FORECASTS.	
6	SCOTLAND WEST	Same as N° 2.	
7	ENGLAND N. W.	Same as N° 2.	
8	ENGLAND S. W.	E ^{ly} to N ^{ly} winds, light, fair generally.	
9	IRELAND NORTH	Same as N° 0.	
10	IRELAND SOUTH	Same as N° 8.	

WARNINGS.	
The N. cone was hoisted last evening in but the signals have been lowered this morn.	

The N. cone was hoisted last evening in districts 0.1 to 2, but the signals have been lowered this morning.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudeenaes ...	30.21	39	33	NNW	6	b	4	Holyhead ...	30.44	41	37	NNE	2	b	3
Sumburgh Head ...	30.31	39	35	WNW	3	0	2	Valencia ...	30.42	51	42	ENE	4	bc	4
Stornoway ...	30.43	45	42	SSE	5	bc	2	Scilly ...	30.24	45	38	NE	5	c	4
Aberdeen ...	30.41	41	37	NNW	4	0	3	Dungeness ...	30.19	44	29	NE	5	csp	4
Shields ...	30.40	37	34	NNE	3	c	5	London ...	30.27	42	36	NNE	4	cqsp	*
Ardrossan ...	30.44	46	40	W	2	b	1	Yarmouth ...	30.23	41	37	NNE	6	csp	6
Malin Head ...	30.45	44	41	N	1	0	0	Jersey ...	30.27	45	40	NE	4	b	3
Mullaghmore ...	30.46	46	41	NW	2	c	1	Rocheport ...	30.17	48	44	NE	7	0	2
Belmullet ...	30.48	50	44	NNE	2	b	.								

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that pressure varied from 30.4 in: and more over the northwestern parts of the British Isles to 29.7 in: and less over the eastern parts of North Germany and the Baltic Provinces of Russia, ^{and} to 29.9 in: over the north of Italy; the gradients were moderate and favourable for N^W winds over the whole of Western and Northwestern Europe. Winds from that quarter and from NE. were reported generally, and though moderate in the north and northwest of our area blew somewhat strongly over the North Sea and English Channel. The weather was fine in the east and north but showers of dry snow fell in the east and south-east, and the clouds in those regions were very heavy. Temperature, which had fallen, was very low for the time of year—varying from a little above 60° at some of the Mediterranean stations, and rather above 50° over almost the whole of Southern Europe to below 40° over Great Britain and the north of France, and to several degrees below the freezing point over Northern Europe. The highest individual readings were 66° at Lfax and 62° at Oran (Algeria), 61° at Cagliari and Palma, 59° at Malta, 58° at Barcelona, Lisbon and Bilbao, 57° at Rhindiri and Sanguinair; the lowest were 20° at Archangel, 21° at Haparanda, 22° at Kuopio and Uleaborg, 27° at Rodo, Hanjo, and Helsingfors, and 29° at St Petersburg.

During the day the weather cleared over the British Isles and their neighbourhood and a hard frost was experienced over the inland parts of the British Isles. The anticyclone in the northwest, however, began to move southwards, and the wind backed to the NW^{ind} in the north of the British Islands.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

† The evening observations are taken at 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 16th April* 1887.

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

Issued by the Meteorological Office, No. 5, 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. 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.		
			Dirac.	Force (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ...	30.11	23	N	2	b	30.21	+2.2	21	19	-1	N	2	b	*	34	10	-		
Hernösand ...	30.21	29	Z	0	b	30.29	+2.5	32	27	+3	N	2	b	*	46	19	-		
Stockholm ...	30.13	28	N	2	b	30.28	+2.9	32	29	+1	NNE	4	bc	*	37	23	0.04		
Visby ...	30.02	32	NNE	4	b	30.20	+2.6	34	31	+2	NNE	6	b	*	34	30	-		
Bodö ...	30.19	34	NW	4	o	30.17	+0.7	32	29	+2	S	2	s	1	34	28	-		
Christiansund...	30.37	33	NW	4	s	30.40	+2.2	36	33	+5	SW	6	o	4	34	30	-		
Skudesnaes ...	30.35	37	NNE	2	b	30.54	+4.3	37	31	+2	E	2	b	2	41	?	-		
Christiania Fjord (Færdar)	30.26	39	NNE	6	b	30.47	+4.5	35	29	+1	NW	4	b	1	39	34	-		
Skagen (The Scaw)	30.30	37	E	2	b	30.45	+5.0	36	32	+2	NE	2	bc	2	45	34	-		
Fanö ...	30.27	31	N	3	b	30.50	+5.8	37	34	+1	NNE	3	b	*	39	27	-		
BRITISH ISLANDS.																			
Sumburgh Head	30.40	21	NE	1	c	30.50	+2.5	42	37	+4	SW	1	c	1	44	32	-		
Stornoway ...	30.42	46	NNE	2	h	30.48	+1.2	41	41	-3	Z	0	o	0	51	31	-		
Wick ...	30.42	43	E	1	bc	30.51	+2.0	43	42	+1	S	2	o	1	47	32	0.03		
Nairn ...	30.40	45	NW	1	c	30.50	+1.7	41	40	+1	Z	0	o	1	49	31	-		
Aberdeen...	30.42	43	NNE	4	bc	30.55	+2.4	44	39	0	SW	3	b	1	49	29	0.02		
Leith ...	30.40	48	NW	1	o	30.58	+2.0	46	41	+3	SW	1	c	*	52	32	-		
Shields ...	30.39	45	N	2	o	30.57	+2.2	42	38	+4	E	1	bc	2	48	36	-		
Spurn Head ...	30.34	43	N	4	bc	30.56	+2.3	43	40	+4	E	2	b	3	46	37	0.01		
York ...	30.37	47	NW	2	b	30.53	+1.5	42	39	+3	N	1	bc	*	50	36	-		
Loughborough	30.38	45	WNW	2	o	30.56	+1.4	40	38	+1	NNE	2	cm	*	49	35	-		
ARDROSSAN.																			
Ardrossan ...	30.39	49	WNW	3	bc	30.55	+1.7	44	42	0	NNE	2	om	1	53	46	-		
Malin Head ...	30.44	45	WNW	2	op	30.51	+0.9	46	44	0	S	2	o	1	49	39	0.01		
Mullaghmore ...	30.47	49	NW	2	cv	30.52	+0.5	46	43	0	E	3	bc	2	50	33	0.03		
Belmullet ...	30.49	50	W	2	bc	30.51	+0.1	46	43	0	SSW	1	b	*	53	36	-		
Donaghadee ...	30.45	48	NNE	2	c	30.55	+1.3	47	45	+1	S	1	bc	0	50	34	-		
GERMANY.																			
Barrow-in-Furness	30.42	45	NW	2	bc	30.56	+1.7	41	38	-2	NE	2	b	*	49	37	-		
Liverpool (Bidston)	30.42	43	WNW	1	o	30.58	+1.5	44	38	+3	E	2	b	2	47	39	0.03		
Holyhead ...	30.44	45	NW	2	c	30.55	+1.0	48	46	+6	Z	0	bc	0	49	39	-		
Parsonstown ...	30.47	51	Z	0	c	30.53	+0.2	47	44	+8	SE	1	og	*	54	37	-		
Valencia ...	30.49	48	SW	2	cm	30.49	-0.2	45	42	+1	SE	1	bc	2	50	35	-		
FRANCE & NETHERLANDS.																			
Roche's Point...	30.49	49	SW	4	b	30.51	+0.1	44	42	+4	N	2	b	3	50	34	-		
Pembroke ...	30.45	44	NW	3	c	30.54	+0.6	45	42	+6	NNE	2	b	1	45	39	-		
Scilly ...	30.45	47	NNE	3	b	30.49	+0.3	47	44	+1	NNE	3	o	3	51	43	-		
Prawle Point ...	30.42	46	NW	2	b	30.58	+0.4	45	42	0	NE	2	c	1	50	38	-		
Jersey ...	30.43	43	NW	2	b	30.46	+0.1	45	44	+2	NE	3	cm	3	46	40	-		
NETHERLANDS.																			
Hurst Castle ...	30.39	48	NW	2	om	30.50	+0.3	44	40	+3	NNE	2	c	2	49	30	-		
Dungeness ...	30.32	42	W	4	o	30.48	+0.8	41	38	+3	NNE	4	c	3	46	35	0.01		
London ...	30.35	47	N	3	o	30.53	+1.0	43	39	+8	NE	3	bc	*	51	34	-		
Oxford ...	30.41	44	NW	2	o	30.55	+1.0	41	38	+4	NE	3	b	*	50	36	-		
Cambridge ...	30.36	44	N	1	o	30.57	+1.5	42	38	0	E	1	b	*	53	33	0.02		
FRANCE.																			
Yarmouth ...	30.32	43	N	3	c	30.55	+2.1	41	37	+2	NNE	3	bc	3	47	36	0.02		
Cuxhaven ...	30.09	34	NNE	7	bc	30.44	+3.7	36	35	-2	NNE	4	b	*	39	34	-		
Berlin ...	29.99	34	NW	3	o	30.32	+2.3	31	29	-3	NNE	4	b	*	41	23	0.29		
Wiesbaden ...	*	*	*	*	*	30.38	+1.1	36	32	+1	NE	5	b	*	45	32	0.08		
Munich ...	30.21	31	W	3	c	30.17	+3.4	30	29	+1	NW	4	s	*	34	27	0.16		
FRANCE & NETHERLANDS.																			
The Helder ...	30.28	38	N	3	c	30.52	+2.5	39	35	0	NE	3	c	3	43	36	-		
Brussels ...	*	*	*	*	*	30.50	+1.5	35	34	0	WNW	4	b	*	44	31	0.04		
Cape Gris Nez...	30.35	41	W	5	o	30.47	+0.9	37	35	-1	NE	5	bc	4	48	36	-		
Paris ...	30.38	41	N	4	o	30.38	-0.2	38	36	+6	NNE	3	o	*	45	35	-		
Brest ...	30.44	45	NE	4	b	30.47	+0.2	40	38	-1	NE	3	b	4	52	34	-		
Lorient ...	30.42	46	NE	5	bc	30.47	+0.2	41	38	+2	NE	3	b	3	54	36	-		
Rochefort ...	30.39	48	NE	5	b	30.48	+0.8	38	36	+2	NNE	5	b	2	55	32	-		
Belfort ...	30.21	44	E	3	b	30.24	+0.8	35	34	-1	E	3	c	*	42	24	-		
Lyons ...	30.23	37	N	5	b	30.32	+1.4	33	31	+2	N	7	b	*	40	31	-		
Nice ...	29.75	48	Z	0	b	29.94	+3.8	46	41	-2	E	3	b	2	54	37	-		
FRANCE & NETHERLANDS.																			
Perpignan ...	30.12	48	NW	5	b	30.17	+0.2	?	36	?	NW	?	?	*	53	41	-		
Biarritz ...	30.30	49	NE	8	b	30.40	+1.1	40	39	+1	SE	4	b	1	54	37	-		
PENINSULA.																			
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Lisbon ...	30.05	57	N	7	b	30.11	+0.3	53	45	-4	NE	7	b	5	68	56	-		

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Saturday, 16th April

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.

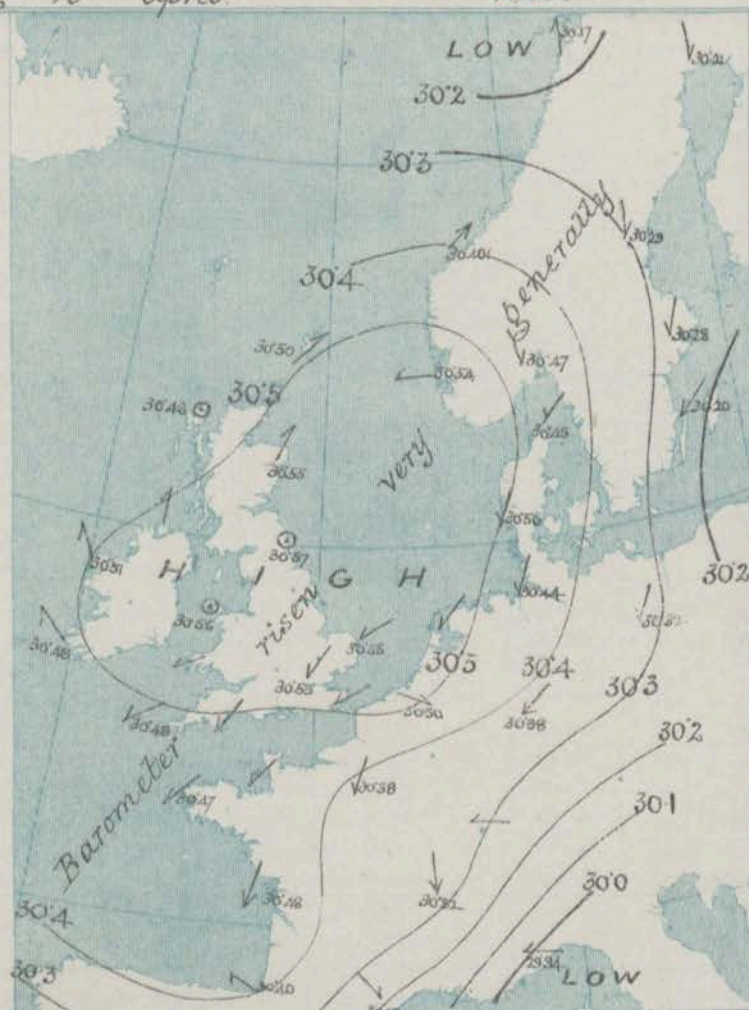
Sea Disturbance—where considerable is shown thus

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.838
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Scilly	29.867
Hurst Castle	29.866
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.873



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

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

Weather—is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	46.3	37.5	41.7	40.6	2.16
Stornoway	49.1	37.5	44.1	42.3	2.51
Wick	49.3	37.6	43.0	41.1	1.56
Nairn	51.6	38.4	45.4	40.8	1.23
Aberdeen	49.5	39.3	43.2	40.9	2.23
Leith	53.2	38.6	44.4	42.4	1.65
Shields	49.3	39.8	43.8	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.8	40.8	45.0	42.1	2.23
Donaghadee	51.8	40.3	45.0	43.4	2.02
Holyhead	52.3	43.1	46.4	44.5	1.86
Liverpool	53.3	41.0	46.0	43.1	1.56
Valencia	54.4	43.5	48.8	46.1	4.01
Roche's Point	54.7	42.9	47.3	45.2	3.43
Pembroke	51.2	42.5	45.9	44.0	2.10
Scilly	52.7	45.5	46.2	47.4	2.45
Hurst Castle	51.9	42.1	45.1	43.9	1.87
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	55.9	40.2	47.0	44.3	1.86
Oxford	54.9	39.6	44.9	43.0	1.79
Cambridge	56.3	38.4	45.6	43.5	1.76
Yarmouth	49.7	40.4	45.2	43.7	1.80

NOTE—The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 30 years 1868—95.



GENERAL SITUATION AT 8 A.M.

PRESSURE.

Highest, 30.50 in. to 30.58 in. over nearly the whole of the British Isles and North Sea.
Lowest, 30.17 in. at Bodo, 30.20 in. at Nizy, 30.11 in. at Lirbow.
Gradients are very slight except in extreme east and south, and the
barometer is rising except at Valencia - the rise is greatest in the far east.

TEMPERATURE

Highest, 53° at Lisbon, 47° at Scilly, Larzac and Donaghadee, 46° at stations in the N. and NW of Ireland.
Lowest, 21° at Haparanda, 30° at Munich, 31° at Berlin, 37° at Faro and Skudermose.
It is not below 40° at any of our own stations, and seems inclined to rise now at several of our western stations.

WIND

NE^{ly} over Germany, France, the Channel and Bay of Biscay, and southern parts of England - moderate or light
generally, but strong at some distant stations.
SE^{ly}, very light, in Ireland. S^{ly}, very light, in Scotland.

WEATHER

Fair in almost all places, but hazy or cloudy locally.
Over London there are heavy Cumuli moving steadily from NE.
Snow falling at two stations, - Bodo and Munich.

SEA

Smooth in the far north, slight chop in

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large anticyclone which has been formed over Northwestern Europe during the past 24 hours seems to be moving Eastwards. The barometer is therefore inclined to fall in the far west, and the SE^{ly} and S^{ly} winds over Ireland and Scotland appear likely to spread over England before long, with milder weather.

FORECASTS

for the 24 hours ending at NOON on 17th April

1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	S ^{ly} winds, light to moderate; fair to showery
1	SCOTLAND EAST	Very light breezes; fair, foggy and cold tonight.
2	ENGLAND N. E.	----- D ^o ----- D ^o ----- D ^o -----
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Calms and S ^{ly} airs; fair, foggy and cold tonight.
5	ENGLAND SOUTH	NE ^{ly} breezes, veering to E., light; fair, hazy, cold tonight.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	E ^{ly} to S ^{ly} winds, light to moderate, fair.
7	ENGLAND N. W.	----- D ^o ----- D ^o ----- D ^o -----
8	ENGLAND S. W.	E ^{ly} to SE ^{ly} breezes, freshening; fair.
9	IRELAND NORTH	SE ^{ly} and S ^{ly} breezes, freshening; some rain in W., fair in E.
10	IRELAND SOUTH	----- D ^o ----- D ^o ----- D ^o -----

WARNINGS

NONE ISSUED.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudeenase ...	30.23	41	38	SEA 4	c	2	Holyhead ...	30.44	47	45	WNW 3	2	2
Sunburgh Head ...	30.85	41	35	NE 1	bc	2	Valencia ...	30.50	49	44	SEA 2	bm	3
Stornoway ...	30.89	48	46	N 2	ep	2	Scilly ...	30.47	50	43	WNW 1	b	3
Aberdeen ...	30.36	48	45	WNW 4	ep	2	Dungeness ...	30.37	46	40	N 2	c	2
Shields ...	30.85	46	42	N 1	c	3	London ...	30.38	49	40	WNW 2	c	*
Ardrossan ...	30.34	52	48	WNW 2	b	1	Yarmouth ...	30.31	46	42	WNW 4	c	4
Malin Head ...	30.43	48	47	WNW 2	c	2	Jersey ...	30.46	46	39	N 3	b	3
Mullaghmore ...	30.48	49	46	WNW 3	ev	2	Rochefort ...	30.42	51	44	NE 5	b	1
Belmullet ...	30.49	50	45	W 1	bc	*							

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

The reports for yesterday morning showed that pressure varied from a little above 30.5 ins. over Ireland to somewhat below 29.9 ins. in a large area of low pressure, which covered Northern Russia, the eastern parts of Germany, Austria, and the greater part of the Mediterranean. In this area there were two distinct minima, one of which lay over Poland and the other over the Gulf of Genoa, in both of which regions pressure was about 29.7 ins. Thus, N^o and NE winds were prevalent over the whole of Northwestern and Western Europe, while a NW² gale (a mistral) was felt in the south of France. The weather was fine and bright in the extreme west and north, cloudy elsewhere, with snow and graupel showers in the East. Snow fell over Germany and the east of France. Temperature had risen a little in our Islands, but fallen on the Continent, and varied from a little above 60° in some parts of Algeria, and from below 50° over the northern part of the Mediterranean to a few degrees below the freezing point over the East of France and west of Germany, and to several degrees below over Northern Europe. The highest individual values were 67° at Algiers, ~~64° at Algiers~~, 64° at Cagliari and Apoko, 60° at Sfax and Oran (Algeria) 57° at Annidiri, 56° at Malta, 53° at Rome, Livourne and Barcelona, 52° at Corunna and 48° at Nice; the lowest were 16° at Archangel, 21° at Uleaborg and Kuopio, 22° at Haparanda, 28° at Kiga, 29° at Herisand and Besancon, 31° at Memel, Cassel, Charleville and Clermont.

During the day much snow fell over Germany, accompanied by a strong NW² wind or gale. In the British Isles the weather remained quiet - dull in the east and south, clear in the west, but temperature was higher than on Thursday.

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 17th April

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.		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 ..	30.18	23	W	2	C	29.29	- .32	29	28	+ .8	S	4	0	*	34	12	—		
Hernösand ...	30.23	36	L	0	O	30.14	- .15	43	38	+ .11	NW	6	0	*	45	25	—		
Stockholm ...	30.30	35	L	0	O	30.27	- .01	40	36	+ .8	L	0	0	*	44	25	—		
Wishy ...	30.30	36	WNW	4	C	30.28	+ .08	37	36	+ .3	NW	4	C	*	39	27	—		
Bodö ...	30.02	33	E	5	S	29.78	- .39	37	36	+ .5	W	4	r	2	?	32	0.58		
Christiansund...	30.40	39	SW	8	O	30.24	- .16	41	37	+ .5	SW	8	0	4	41	36	—		
Skudesnaes ...	30.56	38	WNW	4	b	30.57	- .03	40	36	+ .3	SSE	2	0	2	45	37	—		
Christiania Fjord (Ferder)	30.45	40	WSW	4	b	30.38	- .09	39	35	+ .4	L	0	b	2	41	?	—		
Skagen (The Scaw)	30.46	34	NW	2	b	30.41	- .04	40	37	+ .4	WNW	1	b	1	43	32	—		
Fanö ...	30.59	33	W	2	b	30.59	+ .09	41	38	+ .1	W	4	C	*	45	32	—		
BRITISH ISLANDS.																			
Sumburgh Head	30.47	44	SW	1	C	30.40	- .10	46	43	+ .4	SW	2	C	2	46	39	—		
Stornoway ...	30.51	47	SW	4	C	30.43	- .05	49	47	+ .8	S	4	b	4	50	38	—		
Wick ...	30.52	46	E	1	O	30.46	- .05	49	45	+ .6	S	2	b	0	50	34	—		
Nairn ...	30.53	51	WSW	1	C	30.50	.00	45	42	+ .4	SW	2	b	2	52	34	—		
Aberdeen...	30.56	44	SSW	2	b	30.54	- .01	46	42	+ .2	SW	1	b	1	48	33	—		
Leith ...	30.59	50	SE	1	C	30.60	+ .02	47	43	+ .1	NW	1	b	*	50	33	—		
Shields ...	30.60	42	SE	3	b	30.61	+ .04	42	39	0	SW	1	b	2	46	31	—		
Spurn Head ...	30.63	41	ESE	3	b	30.66	+ .10	42	38	- .1	W	2	b	3	45	24	—		
York ...	30.61	49	SSE	1	b	30.67	+ .14	41	38	- .1	S	1	b	*	51	29	—		
Loughborough	30.61	49	ENE	1	b	30.69	+ .13	38	36	- .2	L	0	b	*	56	38	—		
Ardrossan ...	30.56	48	SW	2	cm	30.60	+ .05	46	44	+ .2	SW	3	b	2	53	35	—		
Malin Head ...	30.50	48	SE	2	b	30.51	.00	45	43	- .1	SSW	3	am	2	52	39	—		
Mullaghmore ...	30.51	54	SSE	3	b	30.52	.00	47	42	+ .1	SSE	6	om	4	55	44	—		
Belmullet ...	30.49	51	SSW	3	b	30.49	- .02	47	44	+ .1	SSW	5	C	*	55	41	—		
Donaghadee ...	30.59	49	W	1	b	30.61	+ .06	45	43	- .2	SW	3	b	1	50	39	—		
Barrow-in-Furness	30.58	47	NW	2	b	30.64	+ .08	43	38	+ .2	ESE	3	b	*	51	36	—		
Liverpool (Bidston)	30.59	48	N	1	b	30.67	+ .09	46	40	+ .2	SE	1	b	2	52	34	—		
Holyhead ...	30.59	46	WNW	1	b	30.66	+ .11	46	44	- .2	SSW	3	b	2	54	39	—		
Parsonstown ...	30.54	52	S	1	b	30.59	+ .06	45	43	- .2	S	1	b	*	57	33	—		
Valencia ...	30.50	50	SE	6	C	30.54	+ .05	48	45	+ .3	SE	5	cm	5	51	44	—		
Roche's Point...	30.59	49	SSE	4	b	30.59	+ .08	47	43	+ .3	S	5	b	4	52	42	—		
Pembroke ...	30.58	46	SSE	1	m	30.66	+ .12	44	41	- .1	SE	8	b	2	50	40	—		
Scilly ...	30.54	47	ESE	5	b	30.59	+ .10	48	44	+ .1	SE	5	b	4	52	43	—		
Prawle Point ...	30.60	43	E	2	b	30.68	+ .15	44	40	- .1	ESE	3	b	2	49	39	—		
Jersey ...	30.53	44	NE	4	b	30.66	+ .20	47	43	+ .2	ENE	3	b	3	50	34	—		
Hurst Castle ...	30.60	44	ESE	3	b	30.71	+ .21	40	38	- .4	ENE	1	b	2	50	30	—		
Dungeness ...	30.60	42	ENE	4	b	30.70	+ .22	44	39	+ .3	ESE	3	b	2	46	37	—		
London ...	30.63	43	ESE	2	b	30.71	+ .18	40	37	- .3	E	1	b	*	51	27	—		
Oxford ...	30.65	43	E	2	b	30.72	+ .17	39	36	- .2	SE	1	b	*	50	27	—		
Cambridge ...	30.66	49	E	1	b	30.71	+ .14	41	35	- .1	SE	1	b	*	52	23	—		
Yarmouth ...	30.64	42	ENE	3	b	30.70	+ .15	42	38	+ .1	WSW	1	b	2	44	31	—		
Cuxhaven ...	30.55	37	N	5	b	30.56	+ .12	41	40	+ .5	NNW	2	b	*	41	36	—		
Berlin ...	30.52	36	N	2	b	30.59	+ .27	36	32	+ .5	NW	2	b	*	39	28	—		
Wiesbaden ...	*	*	*	*	*	30.65	+ .27	39	35	+ .3	NE	4	b	*	45	32	—		
Munich ...	30.40	24	NW	3	O	30.32	+ .35	25	24	- .5	NE	4	b	*	36	21	0.12		
FRANCE & NETHERLANDS.																			
The Helder ...	30.67	41	NE	1	b	30.70	+ .18	39	36	0	NNW	1	b	1	43	37	—		
Brussels ...	*	*	*	*	*	30.69	+ .19	36	33	+ .1	NE	1	b	*	45	28	—		
Cape Gris Nez...	30.62	40	ENE	5	b	30.67	+ .20	37	33	0	E	1	b	3	46	32	—		
Paris ...	30.59	43	NE	5	b	30.64	+ .26	34	31	+ .4	NNE	3	b	*	50	28	—		
Brast ...	30.50	49	E	4	b	30.62	+ .15	40	37	0	ESE	5	b	1	55	37	—		
Lorient ...	30.47	50	ENE	7	b	30.62	+ .15	38	34	- .3	E	5	b	3	52	33	—		
Rochefort ...	30.46	51	NE	5	C	30.59	+ .11	36	33	- .2	ENE	5	b	2	59	30	—		
Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	—	
Lyons ...	30.33	39	N	4	b	30.33	+ .01	32	28	- .1	N	7	b	*	46	29	—		
Nice ...	29.42	44	E	5	b	30.00	+ .06	42	34	- .4	NE	5	C	5	59	37	0.04		
Perpignan ...	30.23	50	NW	3	b	30.25	+ .08	42	33	?	NW	5	b	*	56	37	—		
Biarritz ...	30.40	48	NNE	8	O	30.42	+ .02	39	34	- .1	E	5	b	2	50	36	—		
Corunna ...	*	*	*	*	*	30.37	+ .03	51	48	+ .4	E	1	b	3	62	39	—		
Lisbon ...	30.15	62	NNE	5	b	30.19	+ .08	54	46	+ .1	NNE	7	b	2	70	50	—		

For Explanation of Columns, see p. 4.

WEATHER

for 8 a.m. on

CHARTS

Sunday 17 April

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

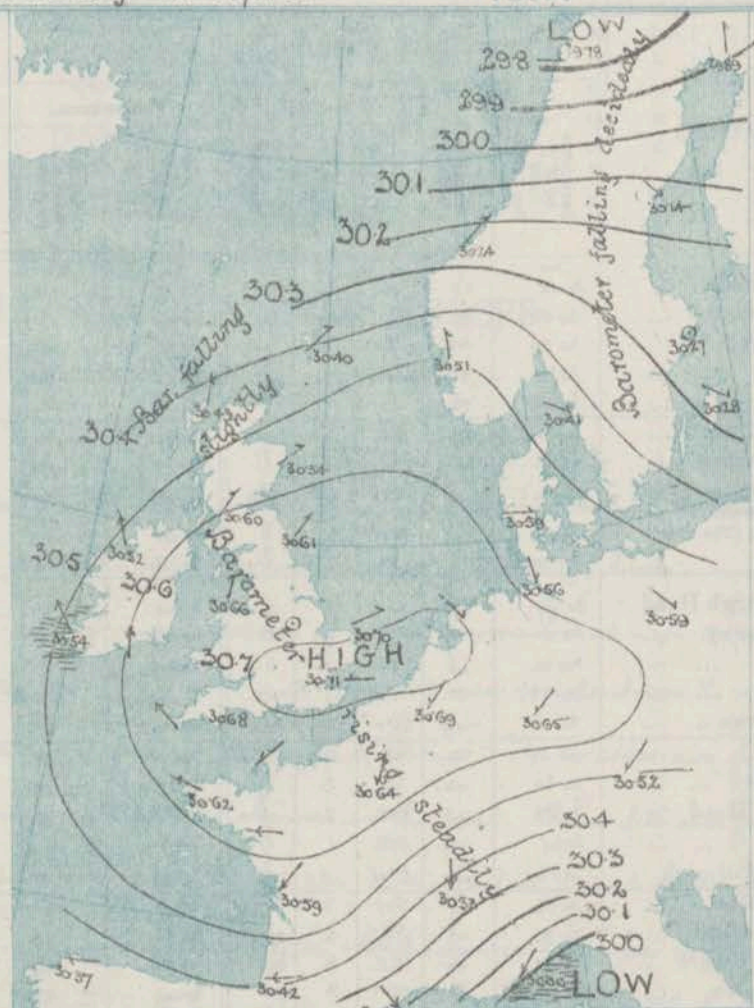
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 — = forces above 10, — = forces 8 to 10,
 — = forces 5 to 7, — = forces 1 to 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 April
 During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.838
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.846
Roche's Point	29.841
Pembroke	29.847
Scilly	29.867
Hurst Castle	29.866
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.873



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

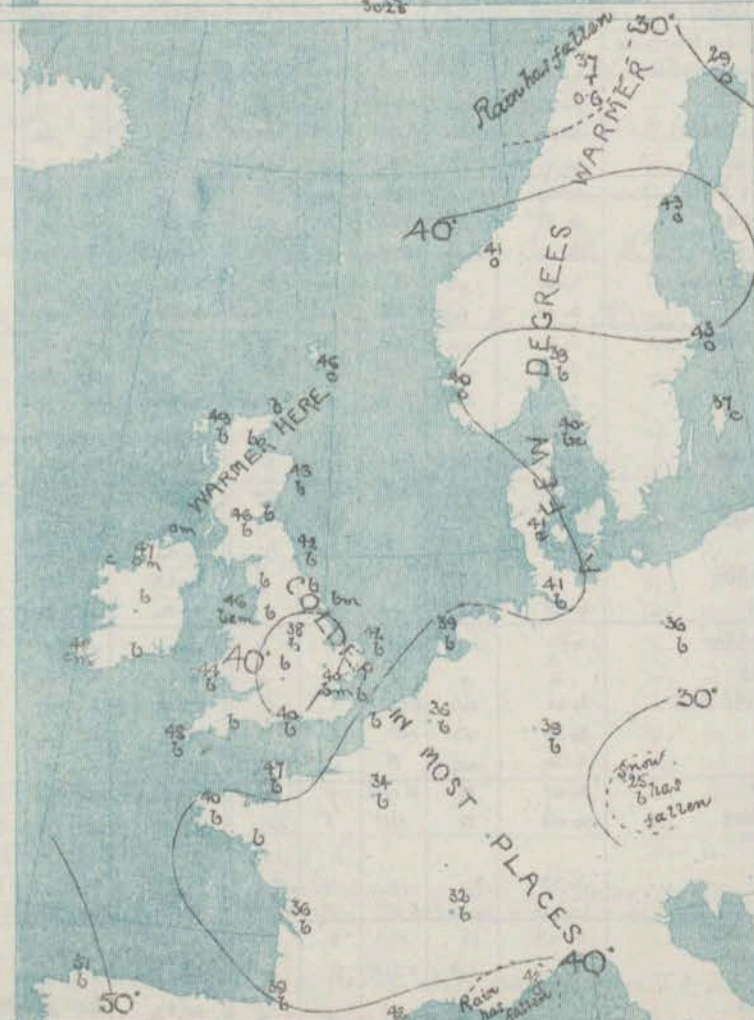
Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.
Weather — is shown by Letters of the Beaufort Scale.
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.	At 4 p.m.	
Sumburgh Head	46.3	37.5	41.7	40.6	2.16
Stornoway	49.1	37.5	44.1	42.3	2.61
Wick	49.3	37.6	43.0	41.1	1.56
Nairn	51.6	38.4	43.4	40.8	1.23
Aberdeen	49.5	39.3	43.2	40.9	2.23
Leith	53.2	38.6	44.4	42.4	1.85
Shields	49.3	39.8	43.8	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.8	40.8	45.0	42.1	2.23
Donaghadee	51.5	40.9	45.0	43.4	2.02
Holyhead	52.3	43.1	46.4	44.5	1.86
Liverpool	53.3	41.0	46.0	43.1	1.56
Valencia	54.4	43.5	46.8	46.1	4.01
Roche's Point	54.7	42.9	47.3	45.2	3.43
Pembroke	51.2	42.5	45.9	44.0	2.10
Scilly	52.7	45.5	49.2	47.4	2.45
Hurst Castle	51.9	42.1	45.1	43.9	1.87
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	56.9	40.2	47.0	44.3	1.86
Oxford	54.9	39.6	44.9	43.6	1.79
Cambridge	56.3	38.4	45.6	43.5	1.76
Yarmouth	49.7	40.4	45.2	43.7	1.80

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, 30.7 ins: and upwards, over Holland and the southeast of England. Lowest, 29.8 ins: and less, over the north of Norway, but relatively low, 30.0 ins: and less, over the Gulf of Genoa.
TEMPERATURE	{ Highest, 54° at Lisbon, 51° at Lorient, 49° at Honnau and Wick, 48° at Valencia and Scilly. Lowest, 25° at Munich, 23° at Haparanda, 22° at Lyons, 24° at Paris, and 36° at Brezels and Rochefort.
WIND	{ E. or NE. over Germany and France, SE. over Ireland and England; fresh or strong in force on our extreme W. and SW. coast. Light S. or SW. in Scotland, moderate to strong from S.W. or W. in Scandinavia and Denmark.
WEATHER	{ Fair generally, but dull and unsettled in the north of Scandinavia with rain at Bodø. Mist or haze is very prevalent over England.
SEA	{ Rather rough at Valencia and also at Nice, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone noticed over our Islands yesterday is inclined to move southeastwards, and in the course of the night a low pressure system has appeared over the north of Scandinavia.

The barometer is therefore falling decidedly in the extreme north, but rising elsewhere.

No very decided change is likely at present.

FORECASTS

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

The south cone was hoisted yesterday afternoon in districts 0, 6, 9, and 10. A no. 10 is inserted against those districts in which the signals are not flying.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.58	44	37	WNW	4	b	2	Holyhead ...	30.59	50	47	NW	1	b	1
Sumburgh Head	30.50	45	40	SW	2	c	1	Valencia ...	30.51	51	47	SSE	6	c	5
Stornoway ...	30.51	49	46	SW	4	0	3	Scilly ...	30.52	48	45	ESE	5	0	4
Aberdeen ...	30.56	45	40	S	6	c	2	Dungeness ...	30.59	45	40	E	4	b	3
Shields ...	30.61	44	40	SE	2	b	3	London ...	30.59	46	38	E	3	b	*
Ardrossan ...	30.57	51	47	L	0	b	0	Yarmouth ...	30.61	44	39	ESE	3	b	3
Malin Head ...	30.59	50	49	E	2	b	1	Jersey ...	30.51	48	44	ENE	4	b	3
Mullaghmore ...	30.52	53	45	S	3	c	2	Rochefort ...	30.47	52	46	NNW	4	c	2
Belmullet ...	30.57	55	48	SW	2	b	*								

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Yesterday morning's reports showed that pressure varied from a little above 30.5 ins. in an anticyclone which had advanced over the British Isles from the westward to about 29.9 ins. over Italy, the Adriatic, Herzegovina, Serbia and Transylvania. N^W and NE^W winds were consequently prevalent over almost the whole of Europe, and blew rather strongly at the Baltic stations and in the south of France. They were very cold generally (the night having been very cold inland), but, although snow fell at a few places on the Continent, the air was in most places dry, and the sky more or less clear. Temperature (after a frosty night) was below 40° over nearly the whole of the Continent, and was apparently decreasing. The highest individual readings at 8 am were 64° at Orléans and 62° at Oran (Algeria), 58° at Oporto and Palma, 57° at Malta, Palermo, and Messina, 54° at Cagliari, 53° at Lisbon, and 47° at Scilly, Portsmouth, and Donaghadee; the lowest 20° at Uleaborg, 21° at Haparanda, 22° at Kuopio, 26° at Lango, 29° at Warsaw, 30° at Munich, 31° at Berlin and 32° at Basel.

Later in the day a light SE^W to S^W wind, which had set in over Ireland at 8 am, freshened considerably, with a temporary rise of temperature, but the change was very temporary, and the succeeding night was again cold, dry, and frosty.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for

Monday 18th April

1887.

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

Issued by the Meteorological Office, 56, 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. 29.58	37	W	2	bc	29.60	-29	30	29	+1	N	2	S	*	39	16	0.16	
Hernösand ...	29.97	44	NW	4	C	29.78	-36	43	39	0	SW	2	O	*	48	34	-	
Stockholm ...	30.12	42	W	0	O	29.97	-30	43	39	+3	SSW	2	b	*	50	32	-	
Wisby ...	30.19	38	NW	4	bc	30.04	-24	39	36	+2	NW	4	b	*	45	28	-	
Bodö ...	29.73	33	N	4	O	29.65	-13	31	30	-6	ESE	2	b	1	?	28	-	
Christiansund...	30.06	43	SW	9	O	29.78	-46	45	44	+4	SW	8	N	S	45	41	0.47	
Skudesnaes ...	?	43	WNW	4	C	30.17	-34	43	42	+3	W	6	N	4	48	39	-	
Christiania Fjord (Fjord)	30.23	45	WNW	4	O	30.04	-34	44	40	+5	NW	6	O	2	45	?	-	
Skagen (The Scaw)	30.20	41	NW	2	C	30.11	-30	44	41	+4	NW	3	C	2	46	39	-	
Faro ...	30.44	39	NW	5	b	30.30	-29	44	42	+3	W	4	b	*	45	39	-	
BRITISH ISLANDS.																		
Sumburgh Head	30.32	49	W	4	b	30.12	-28	47	46	+1	W	5	m	4	52	39	-	
Stornoway ...	30.38	49	SSW	5	C	30.28	-15	49	48	0	SW	5	m	4	50	46	-	
Wick ...	30.40	48	SW	1	C	30.27	-19	52	50	+3	NW	4	e	2	58	46	-	
Nairn ...	30.41	53	NW	2	C	30.33	-17	50	45	+5	NW	1	O	1	60	44	-	
Aberdeen...	30.41	56	W	0	b	30.34	-22	49	45	+3	W	0	O	0	67	41	-	
Leith ...	30.50	55	WNW	4	b	30.43	-17	47	44	0	W	4	cm	*	61	40	-	
Shields ...	30.51	55	NW	3	b	30.43	-18	48	45	+6	W	3	C	2	57	36	-	
Spurn Head ...	30.55	47	SSW	4	b	30.48	-18	44	42	+2	WNW	4	bc	2	50	38	-	
York ...	30.57	54	W	1	b	30.51	-16	45	43	+4	W	2	b	*	61	32	-	
Loughborough	30.58	56	SW	1	b	30.55	-14	45	40	+7	NW	2	bc	*	63	30	-	
ARDROSSAN.																		
Ardrossan ...	30.52	48	SW	4	bc	30.47	-13	47	45	+1	SW	2	cm	2	52	40	-	
Malin Head ...	30.49	48	C	1	cm	30.46	-05	46	45	+1	SW	3	cm	2	56	41	-	
Mullaghmore ...	30.50	50	SW	4	cm	30.51	-01	47	43	0	SW	1	b	1	59	38	-	
Belmullet ...	30.51	50	SW	3	b	30.49	00	48	45	+1	SW	5	O	*	52	47	-	
Donaghadee ...	30.55	48	SW	4	b	30.51	-10	45	43	0	W	4	bc	2	54	38	-	
FAROE ISLANDS.																		
Barrow-in-Farness	30.50	47	NW	2	b	30.54	-10	45	43	+2	NW	3	C	*	50	41	-	
Liverpool (Bidston)	30.61	45	NW	1	b	30.56	-11	44	40	-2	NW	2	b	3	51	38	-	
Holyhead ...	30.62	46	SW	4	b	30.57	-09	46	44	0	SW	3	cm	2	49	41	-	
Parsonstown ...	30.55	55	W	0	b	30.53	-06	45	42	0	SW	1	b	*	58	30	-	
Valencia ...	30.55	50	SSW	5	bc	30.54	-00	47	45	-1	SE	4	bc	5	51	44	-	
ROCHE'S POINT.																		
Roche's Point...	30.60	49	SSW	4	bc	30.57	-02	47	43	0	S	4	b	3	52	43	-	
Pembroke ...	30.63	45	S	1	b	30.58	-08	42	41	-2	W	0	b	0	46	36	-	
Scilly ...	30.61	47	SE	4	b	30.56	-03	47	43	-1	E	4	b	5	51	42	-	
Prawle Point ...	30.67	42	C	1	b	30.57	-11	45	45	+2	E	1	b	1	50	34	-	
Jersey ...	30.58	45	ESE	3	b	30.54	-12	46	43	-1	ESE	3	b	3	52	39	-	
Channel Islands.																		
Hurst Castle ...	30.64	43	SW	2	b	30.56	-15	41	37	+1	W	0	b	1	49	28	-	
Dungeness ...	30.60	42	ESE	4	b	30.53	-17	35	33	-9	N	1	b	1	47	29	-	
London ...	30.60	49	SW	1	b	30.56	-15	38	35	-2	W	1	bc	*	51	28	-	
Oxford ...	30.62	44	W	0	b	30.57	-15	40	38	+1	SW	1	bc	*	57	31	-	
Cambridge ...	30.59	50	S	1	b	30.54	-17	47	42	+6	S	1	b	*	58	28	-	
Yarmouth ...	30.61	43	SSW	4	b	30.49	-21	44	40	+2	WNW	2	bc	2	44	33	-	
Cuxhaven ...	30.58	39	NW	3	b	30.41	-15	45	44	+4	WNW	4	m	*	45	39	-	
GERMANY.																		
Berlin ...	30.48	44	W	0	b	30.34	-25	39	36	+3	WNW	4	C	*	48	36	-	
Wiesbaden ...	*	*	*	*	*	30.51	-14	37	34	-2	NE	1	b	*	46	30	-	
Munich ...	30.52	31	E	4	bc	30.42	-10	31	29	+6	E	5	b	*	37	21	-	
NETHERLANDS.																		
The Helder ...	30.62	41	NW	1	b	30.47	-23	43	41	+4	W	3	b	2	45	39	-	
Brussels ...	*	*	*	*	*	30.55	-14	39	36	+3	NE	1	b	*	49	32	-	
Cape Gris Nez...	30.62	40	E	3	b	30.54	-13	40	37	+3	E	1	b	0	46	36	-	
Paris ...	30.51	47	NE	5	b	30.50	-14	37	33	+3	NE	4	b	*	51	34	-	
Brest ...	30.59	46	NE	5	b	30.53	-09	39	37	-1	E	4	b	5	55	34	-	
FRANCE & NETHERLANDS.																		
Lorient ...	?	48	ESE	7	b	30.51	-11	39	36	+1	ESE	5	b	3	52	34	-	
Rochefort ...	30.46	50	ESE	7	b	30.44	-15	37	34	+1	NE	7	b	2	57	32	-	
Belfort ...	30.32	38	E	4	C	30.30	-02	40	37		E	4	b	*	44	28	-	
Lyons ...	30.74	44	N	5	C	30.32	-01	38	24	+1	WNW	3	b	*	48	30	-	
Nice ...	30.04	44	NE	8	O	30.15	+15	46	40	+4	E	1	O	5	46	41	-	
PERPIGNAN.																		
Perpignan ...	30.19	48	NW	4	O	30.26	+01	45	43	+3	N	1	O	*	52	?	-	
BIARRITZ.																		
Biarritz ...	30.31	51	NE	8	b	30.36	-06	40	35	+1	ESE	4	b	1	54	34	-	
PENINSULA.																		
Corunna ...	*	*	*	*	*	29.98	-21	47	48	-5	NE	9	b	7	61	43	-	
Lisbon ...	30.14	60	WNW	5	b	30.12	-07	49	40	-5	NE	8	b	5	66	48	-	

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

WEATHER CHARTS

For 8 a.m. on Monday, 18th April.

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isotherms 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 —

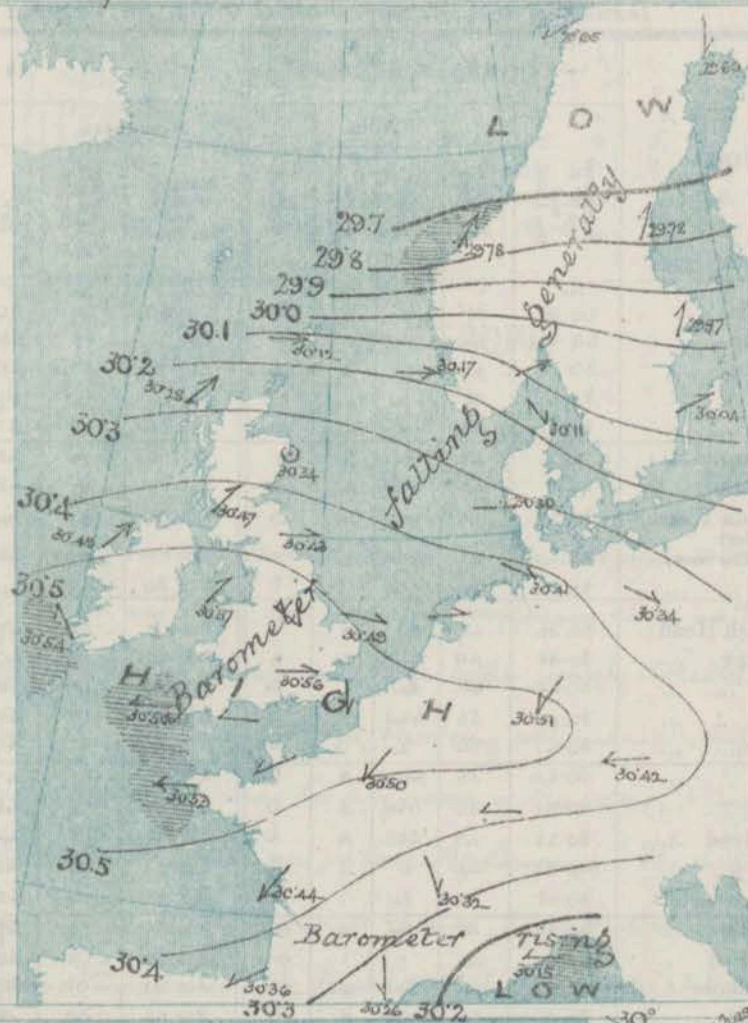
→ = force above 10, →→ = force 8 to 10,
 →→ = force 5 to 7, → = force 1 to 4,
 ○ = dead calm.

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

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of April.
 During the 10 years 1871-1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.888
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.950
Donsghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Scilly	29.867
Hurst Castle	29.866
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.873



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE				RAINFALL (inches)
	Daily Max.	Daily Min.	At 8 a.m.	At 8 a.m.	
			Dry	Wet	
Sumburgh Head	46.3	37.5	41.7	40.6	2.16
Stornoway	40.1	37.5	44.1	42.3	2.51
Wick	49.3	37.6	43.0	41.1	1.56
Nairn	51.6	38.4	43.4	40.8	1.23
Aberdeen	49.5	39.3	43.2	40.9	2.23
Leith	53.2	38.6	44.4	42.4	1.65
Shields	49.8	39.8	43.8	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.8	40.8	45.0	42.1	2.23
Donsghadee	51.8	40.3	45.0	43.4	2.02
Holyhead	52.3	43.1	46.4	44.5	1.86
Liverpool	53.3	41.0	46.0	43.1	1.56
Valencia	54.4	43.5	48.8	46.1	4.01
Roche's Point	54.7	42.0	47.3	45.2	3.43
Pembroke	61.2	42.5	45.9	44.0	2.10
Scilly	52.7	45.5	49.2	47.4	2.45
Hurst Castle	51.0	42.1	45.1	43.9	1.87
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	56.9	40.0	47.0	44.3	1.86
Oxford	54.9	39.0	44.9	43.0	1.79
Cambridge	56.3	38.4	45.6	43.5	1.76
Yarmouth	49.7	40.4	45.2	43.7	1.80

NOTE — The Temperature means are for the 10 years 1871-80, the Rainfall means are mainly those for the 10 years 1866-83.



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.5 in: and upwards, in an anticyclone lying over Ireland, England, the Netherlands, and north of France. Lowest, 29.7 in: and less, over the north of Scandinavia, but relatively less, 30.2 in: and less, over the Gulf of Genoa and also in the neighbourhood of Lisbon.
TEMPERATURE	Highest, 52° at Wick, 50° at Naism, 49° at Stornoway, Aberdeen and Lisbon, and 48° at Balmullet. Lowest, 30° at Haparanda, 31° at Bodø, 32° at Belfort, 33° at Dijon and 35° at Remgenes. [Front occurred last night over the Central parts of Ireland and England; in London the thermometer on the grass fell to 18°]
WIND	E ² or NE ² over France, Spain and the English Channel; strong in force over the Bay of Biscay. SW ² or W ² elsewhere, strong to a gale in the west of Norway, and fresh in the Shetlands and Hebrides.
WEATHER	Rain in the west of Norway, and dull in the extreme north and northwest of our Islands. Fine elsewhere, but hazy in several parts of Great Britain.
SEA	Rather rough on our extreme southwest coasts, as well as at Christiansund, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general distribution of pressure is not materially different from that of yesterday, but the barometer has fallen generally, and the anticyclone over our Islands has become reduced in height.

The low pressure area noticed yesterday to the northward of Norway is spreading southwards, and the W² winds now prevailing at all our more northern stations are likely to become general, with milder weather.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	W ² winds, strong, perhaps a gale; cloudy, some rain.	6 { SCOTLAND WEST	SW ² to W ² winds, freshening; cloudy, rain locally.
1 { SCOTLAND EAST	W ² winds, moderate or fresh; cloudy, rain locally.	7 { ENGLAND N. W.	W ² winds, moderate or fresh; fair generally.
2 { ENGLAND N. E.	W ² to NW ² winds, moderate, fair generally.	8 { ENGLAND S. W.	Light variable breezes; fine generally.
3 { ENGLAND EAST	----- D ^o ----- D ^o ----- D ^o -----	9 { IRELAND NORTH	Same as No 6.
4 { MIDLAND COUNTIES	Same as No 5	10 { IRELAND SOUTH	S ² or SW ² winds, moderate, fair generally.
5 { ENGLAND SOUTH	Variable or W ² breezes; fair generally.	WARNINGS	The south cone is still flying in district 0.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.47	47	44	WNW 4	0	2	Holyhead ...						
Sumburgh Head							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						*
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rochefort ...	30.54	54	45	ENE 7	6	2
Belmullet ...													

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

Yesterday morning's reports showed that a large anticyclone, in which the maximum readings slightly exceeded 30.7 ins lay over the whole of North-western Europe, while a depression was moving eastwards over Lapland and Finland, and another one lay over the north-eastern parts of the Mediterranean and Gulf of Genoa. In the United Kingdom the gradients were slight, but in the north of Scandinavia they were rather steep for W. winds, while in the south-east of France they were steep for N. winds. The winds reported agreed with these conditions, so that although light to moderate anticyclonic breezes prevailed over the United Kingdom, strong N. winds and gales were felt over the southern parts of France, and S.W. to W. gales over Northern Europe. The weather was fine almost everywhere, but hazy in several places. Temperature was very low for the time of year, the morning readings being below 40° over nearly the whole of Europe and the inland parts of Great Britain; in most places sharp frosts had occurred during the night. The highest individual values reported for about 8 a.m. were 66° at Barcelona and Naples, 59° at Brindisi, 55° at Lisbon, Oporto and San Fernando, 51° at Corunna and Bilbao, 48° at Valencia and Seville, the lowest 20° at Kiofio, 22° at Mleaborg, 24° at Archangel, 25° at St. Petersburg and Munich, 29° at Cracow, Breslau, Kiev, Moscow and Prague, 32° at Lyons, 34° at Paris and 38° at Loughborough.

During the day the S.W. winds and clear weather in the north caused the temperature to rise greatly, so that maxima were recorded as high as 67° at Aberdeen, 61° at York and 59° in the north-west of Ireland, while in London the thermometer did not rise above 51°. Over the south of France the N.E. gale continued, but in England light variable breezes and hazy cold weather were prevalent.

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

FROM THE 10TH TO THE 16TH APRIL 1897.

Anticyclonic conditions have prevailed over the United Kingdom almost continuously during the past week, but shallow depressions have been prevalent on the Continent, both over the northern and southern countries, and these have occasionally caused some cold showers both on the north-eastern and southern parts of Great Britain.

At the commencement of the week an anticyclone having maximum readings of 30.3 ins and more lay completely over the United Kingdom. Its central area was over Scotland, whence it moved south-eastwards to Germany, whence a ridge extended in a westerly direction across the North Sea and the northern half of our islands. A new system then appeared in the north-west (See Report of 12th inst) and as pressure gave way both in Sweden and over the Bay of Biscay and north of France, the N. winds in the east and the N.E. in the south freshened, the sky became overcast, the air raw, and cold showers fell over the North Sea as well as at some of the southern English stations. In western and Central France (where the wind became S.W.) thunderstorms occurred. On Thursday, the 14th, these disturbances were disappearing; the anticyclone in the north-west became more strongly developed and moving first to the southwards and then to the eastwards, had covered the whole of the British Islands by Saturday. The winds then became light and the nights very cold and frosty, though in the daytime the thermometer occasionally rose to above 60° at some of the inland stations.

Thus, the week, as a whole, has been cold dry and inclement with a predominance of N. and E. winds, and large diurnal range of temperature.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

† The evening observations are taken at 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 19th April

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 ..	29.54	28	2	0	b	29.54	-0.01	31	28	+1	NW	2	b	*		39	28	Ins.
	Hernösand ...	29.66	28	W	2	bc	29.68	-0.10	39	35	-4	N	2	0	*		55	?	-
	Stockholm ...	29.80	44	S	2	0	29.68	-0.29	45	41	+2	2	0	0	*		55	34	-
	Wisby ...	29.88	40	SW	4	bc	29.68	-0.36	46	42	+7	SW	4	bc	*		48	36	-
	Bodö ...	29.67	35	W	3	c	29.64	-0.01	31	29	0	SSE	2	bc	1		37	28	-
	Christiansund...	29.82	41	W	6	f	29.76	-0.02	36	35	-9	NNE	3	h	4		45	34	0.67
	Skudesnaes ...	30.06	44	WNW	4	h	29.86	-0.31	45	45	+2	WNW	6	h	4		45	43	0.20
	Christiania Fjord (Færd)	29.83	50	WNW	4	b	29.66	-0.38	45	42	+1	WNW	6	b	2		50	43	-
	Skagen (The Scaw)	29.87	43	NW	3	b	29.71	-0.40	45	43	+1	NW	4	bc	3		48	41	-
	Fanö ...	30.08	42	W	6	0	29.99	-0.31	44	43	0	W	5	c	*		48	41	-
BRITISH ISLANDS.	Sumburgh Head	30.01	46	W	5	h	29.93	-0.19	49	45	-1	W	3	0	4		47	41	0.09
	Stornoway ...	30.21	48	WNW	7	qz	30.08	-0.20	47	47	-2	WNW	5	2	4		52	46	0.40
	Wick ...	30.15	42	WNW	6	h	30.01	-0.26	50	49	-2	NW	2	2	1		53	45	0.03
	Nairn ...	30.21	51	W	2	c	30.12	-0.21	50	47	0	WSW	3	c	3		55	46	-
	Aberdeen...	30.24	54	NW	2	c	30.08	-0.26	52	47	+3	NW	4	c	1		62	48	-
	Leith ...	30.34	51	W	4	bc	30.21	-0.22	49	45	+2	W	4	c	*		58	46	-
	Shields ...	30.33	54	W	3	c	30.21	-0.22	48	46	0	WNW	4	c	2		59	44	-
	Spurn Head ...	30.36	52	WNW	3	bc	30.25	-0.23	48	45	+4	W	3	bc	2		55	42	-
	York ...	30.39	55	W	3	bc	30.25	-0.26	50	46	+5	W	2	b	*		61	43	-
	Loughborough	30.41	57	WNW	3	bc	30.32	-0.23	50	45	+5	WSW	3	c	*		62	42	-
GERMANY.	Ardrossan ...	30.39	50	WNW	4	0	30.27	-0.20	50	47	+3	WNW	4	c	3		53	46	-
	Malin Head ...	30.39	47	W	4	om	30.29	-0.17	47	46	+1	W	3	o.g.m.	3		51	46	-
	Mullaghmore ...	30.45	56	WNW	3	b	30.37	-0.14	48	45	+1	WSW	4	0	3		55	45	-
	Belmullet ...	30.45	50	SW	5	bc	30.38	-0.11	48	45	0	WSW	5	0	*		51	48	-
	Donaghadee ...	30.43	50	NE	3	bc	30.36	-0.15	47	44	+2	W	3	0	1		61	38	-
	Barrow-in-Furness	30.41	47	WNW	12	b	30.33	-0.21	45	43	0	NW	4	bc	*		50	43	-
	Liverpool (Bidston)	30.46	48	WNW	2	bc	30.36	-0.20	43	42	-1	W	5	0	3		51	42	-
	Holyhead ...	30.47	47	SW	4	bc	30.40	-0.17	44	43	-2	WNW	5	c.w.	4		51	41	-
	Parsonstown ...	30.48	58	NW	1	b	30.44	-0.09	46	43	+1	2	0	c	*		62	33	-
	Valencia ...	30.52	48	SSE	3	b.m.	30.46	-0.08	49	46	+2	SW	2	c	3		51	41	-
FRANCE & NETHERLANDS.	Roche's Point...	30.52	52	SW	5	b	30.45	-0.12	45	42	-2	WNW	2	b	3		52	36	-
	Pembroke ...	30.50	45	WNW	3	bc	30.42	-0.16	46	45	+4	NW	2	bc	1		47	42	-
	Scilly ...	30.51	48	NNE	3	b	30.45	-0.11	48	47	+1	WNW	2	b	4		51	44	-
	Prawle Point ...	30.47	47	W	2	b	30.41	-0.16	50	48	+4	WNW	1	b	1		59	39	-
	Jersey ...	30.45	49	N	2	bc	30.38	-0.15	52	47	+6	WNW	3	bc	3		54	43	-
	Hurst Castle ...	30.43	49	W	3	bc	30.38	-0.18	45	43	+4	WNW	2	b	1		54	36	-
	Dungeness ...	30.39	46	W	3	c	30.31	-0.22	47	44	+12	WNW	2	bc	1		49	35	-
	London ...	30.40	57	NW	2	bc	30.33	-0.23	49	43	+11	WNW	2	c	*		62	38	-
	Oxford ...	30.42	52	2	0	c	30.35	-0.22	50	45	+10	WNW	1	bc	*		63	39	-
	Cambridge ...	30.38	53	NW	1	c	30.31	-0.23	50	44	+3	WNW	1	c	*		65	36	-
PENINSULA.	Yarmouth ...	30.39	49	SE	1	bc	30.26	-0.23	49	45	+5	WNW	4	bc	3		52	40	-
	Cuxhaven ...	30.21	42	WNW	4	b	30.09	-0.22	46	45	+1	WNW	4	b	*		47	41	-
	Berlin ...	30.08	51	WNW	4	0	29.98	-0.36	45	44	+6	WNW	4	h	*		54	?	0.04
	Wiesbaden ...	*	*	*	*	*	30.25	-0.26	48	42	+11	N	3	0	*		55	?	-
	Munich ...	30.29	41	NW	1	0	30.22	-0.20	40	36	+9	SW	4	0	*		45	?	-
	The Helder ...	30.32	44	WNW	1	c	30.19	-0.28	45	43	+2	NW	1	b	2		48	43	-
	Brussels ...	*	*	*	*	*	30.26	-0.29	45	42	+6	SW	4	bc	*		56	?	-
	Cape Gris Nez...	30.40	45	W	1	b	30.29	-0.25	46	42	+6	2	0	bc	0		50	39	-
	Paris ...	30.36	55	NNE	4	b	30.36	-0.14	41	38	+4	2	0	m	*		59	37	-
	Brest ...	30.24	50	c	4	b	30.43	-0.10	43	41	+4	ESE	1	b	2		57	39	-
GERMANY.	Lorient ...	30.40	52	c	5	b	30.42	-0.09	42	39	+3	ESE	1	b	2		55	36	-
	Rochefort ...	30.38	57	ESE	5	b	30.37	-0.07	43	40	+6	ESE	5	b	2		64	37	-
	Belfort ...	30.24	52	c	3	b	30.23	-0.07	42	39	+2	h	3	bc	*		54	26	-
	Lyons ...	30.25	49	WNW	4	b	30.20	-0.02	41	36	+8	WNW	4	b	*		51	?	-
	Nice ...	30.21	46	SW	1	b	30.23	+0.08	44	39	-2	E	1	b	1		54	36	-
	Perpignan ...	30.27	48	2	0	bc	30.25	-0.01	51	43	+6	NW	3	b	*		53	43	-
	Biarritz ...	30.31	48	NW	4	b	30.28	-0.08	45	40	+5	SW	5	0	2		52	37	-
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*	-
	Lisbon ...	30.11	56	NE	5	b	30.18	+0.06	49	42	0	NNE	8	b	?		61	45	-

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Tuesday 19th April

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

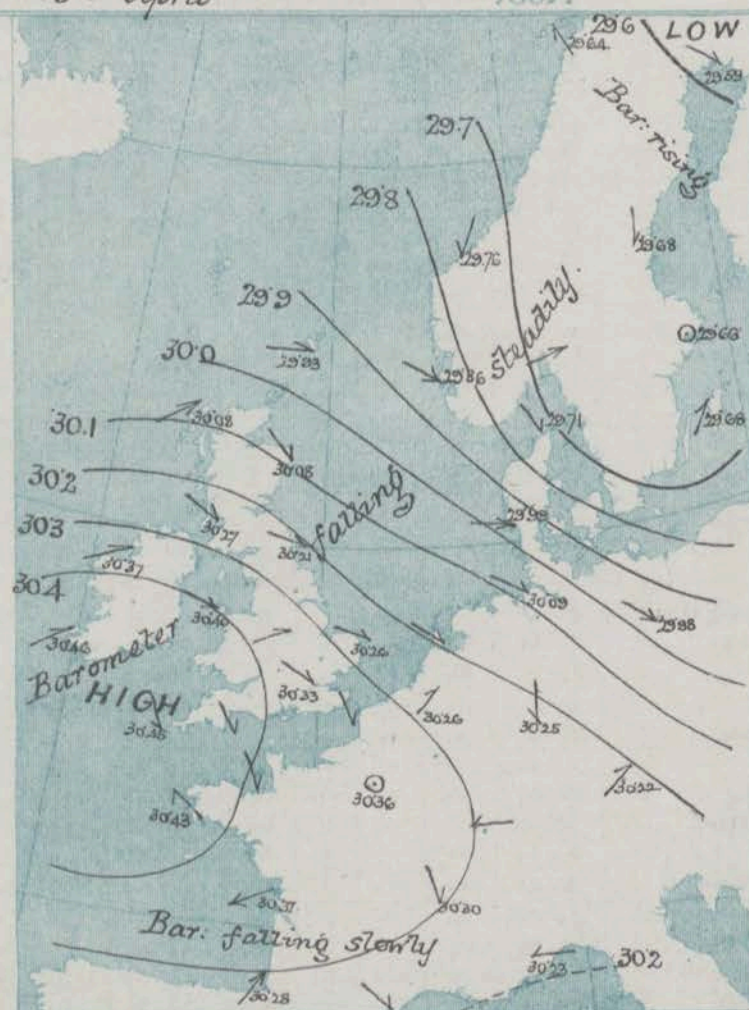
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus:—
 — = force above 10; — = forces 8 to 10;
 — = forces 5 to 7; — = forces 1 to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

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.888
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Scilly	29.887
Hurst Castle	29.866
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.873



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	Average Dry.	Average Wet.	
Sumburgh Head	46.3	37.5	41.7	40.6	2.16
Stornoway	49.1	37.5	44.1	42.3	2.51
Wick	49.3	37.6	43.0	41.1	1.56
Nairn	51.6	38.4	43.4	40.8	1.23
Aberdeen	49.5	39.3	43.2	40.9	2.23
Leith	53.2	38.6	44.4	42.4	1.65
Shields	49.3	39.8	43.8	41.7	1.94
York	54.3	38.1	44.5	42.4	1.66
Ardrossan	52.8	40.8	45.0	42.1	2.23
Donaghadee	51.8	40.3	45.0	43.4	2.02
Holyhead	52.3	43.1	46.4	44.5	1.86
Liverpool	53.3	41.0	46.0	43.1	1.56
Valencia	54.4	43.5	48.8	46.1	4.01
Roche's Point	54.7	42.9	47.3	45.2	3.43
Pembroke	51.2	42.6	45.9	44.0	2.10
Scilly	52.7	45.5	49.2	47.4	2.45
Hurst Castle	51.9	42.1	45.1	43.9	1.57
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	56.9	40.2	47.0	44.3	1.86
Oxford	54.9	39.6	44.9	43.0	1.79
Cambridge	56.3	38.4	45.6	43.5	1.76
Yarmouth	49.7	40.4	45.2	43.7	1.80

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, 304 in: and upwards, in an anticline lying over and to the southward of our Islands
Lowest, 29.6 in: and less, in the N. of Sweden, but low 29.7 in: and less, in a large area covering nearly the whole of Scandinavia.

TEMPERATURE

Highest, 52° at Aberdeen and Jerep, 51° at Perpignan, and 50° at Mick, Kain and Ardensan.
Lowest, 31° at Naparanda and Bodo, 36° at Christiansund, 39° at Hunsund, and 40° at Munnich, lowest in our Islands 43° at Liverpool.

WIND

Moderate to fresh from W. over the north and East of our Islands and the eastern shores of the North Sea.
Light NNW over the south of England; NE or E in the west of France.

WEATHER

Hazy in the west of Norway and north of Scotland, as well as at Berlin.
 Fair or fine in most other parts of Western Europe, but foggy at Helder and Cuxhaven.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Since yesterday morning the barometer has continued to fall generally, and the low pressure system then noticed over the north of Scandinavia has extended southwards over the whole of that peninsula.

The tendency for an extension of low pressures and less settled weather still continues, but at present there is no sign of the advance of any definite depression.

FORECASTS

for the 24 hours ending at NOON on 20th April

1887.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0 { SCOTLAND
NORTH

W²⁴ winds, strong; dull, some rain.

SCOTLAND
EAST

Wth winds, moderate or fresh; fair to dull and some rain.

2 } ENGLAND
{ N.E.

-----D^o-----D^o-----D^o-----

2 (ENGLAND
EAST

Same as N°5

1 MIDLAND
(COUNTIES

Same as N°5

ENGLAND
SOUTH

W¹ and NW¹ winds, light, fair to cloudy and unsettled, possibly some rain.

C { SCOTLAND
WEST

Same as N^o 1.

7 } ENGLAND
N. W.

Same as No 1.

B { ENGLAND
S.W

Nrt^y winds, light; fair generally

9 } IRELAND
NORTH

W³ winds, fresh; dull, some rain.

27 { IRELAND
SOUTH

Same as No 8

WARNINGS

The S. cone was hoisted last evening in district O.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeenæs ...	30.10	45	44	W N W 7	f	4	Holyhead ...	30.53	50	47	SSW 3	bc	2
Sumburgh Head ...	30.10	47	46	W 5	m	4	Valencia ...	30.54	51	48	SSE 4	bm	4
Stornoway ...	30.23	51	49	SW 8	o q	7	Scilly ...	30.54	51	46	N E 2	b	4
Aberdeen ...	30.29	59	51	W N W 2	c	0	Dungeness ...	30.46	48	44	W 3	b	2
Shields ...	30.36	57	49	W 3	c	2	London ...	30.45	60	49	W 2	b	*
Ardrossan ...	30.44	52	49	W N W 4	c	3	Yarmouth ...	30.42	57	46	N 3	b	3
Malin Head ...	30.42	51	49	W N W 4	c	3	Jersey ...	30.49	52	46	N E 2	b	2
Mullaghmore ...	30.47	53	47	W N W 2	bc	2	Rocheport ...	30.39	59	49	N E 7	b	2
Belmullet ...	30.49	51	47	SSW 5	bc	*							

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

The reports for yesterday morning showed that pressure was still highest in an anticyclone, whose central area covered Ireland, England, and the north of France, while a ridge extended eastward across Germany to Hungary. Within the central area readings exceeded 30.5 in.; and in Wales were as high as 30.58 in.; but to the northward pressure decreased to 29.6 in.: over Northern Europe, while to the southward they decreased to 30.1 in.: over the Gulf of Lyons, and to about 30.04 in.: over Southern Italy. NE and N winds were still prevalent over the Bay of Biscay, France and the Channel, but had decreased greatly in force, while W breezes prevailed over all the northern half of Europe, including the Baltic and N Germany. The weather was fair, except in the far north and over the south of France, in both of which regions showers prevailed. Cloud had, however, increased greatly at the northern stations. Temperature had risen very generally over the Continent, especially in the north, but fallen over the Mediterranean, and ranged from rather above 50° over the latter region to between 44° and 47° over the greater part of the British Isles, and to rather below the freezing point over Hungary, Central Russia, Lapland, and the north of Finland. The highest individual readings were 57° at Algiers and Brindisi, 53° at Palermo and Oporto, 51° at Bilbao and Barcelona, and 47° at Valencia and Scilly; the lowest were 22° at Archangel, 28° at Kiev, 23° at Kharkov, 31° at Rode and Munich, 37° at Paris, 38° in London and 39° at Berlin.

Later in the day the W wind became general over the British Isles, and during the afternoon temperature increased to 62° in London, and to between that value and 65° over the inland part of England and Ireland generally.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Wednesday 20th April 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 35° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sun. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.69	25	2	0	b	29.78	+ .19	27	23	—	4	NE	4	b	*	29	19	—
	Hernösand ...	29.67	32	2	0	b	29.67	— .01	35	32	—	4	NE	2	c	*	48	32	—
	Stockholm ...	29.67	36	NE	4	0	29.58	— .10	35	32	—	0	NNE	2	o	*	57	?	0.04
	Wisby ...	29.62	41	SW	2	0	29.54	— .14	37	35	—	9	ENE	4	o	*	50	36	0.04
	Bodö ...	29.72	31	ENE	2	b	29.78	+ .14	29	27	—	2	ENE	4	b	2	32	25	—
	Christiansund...	29.75	34	WSW	3	s	29.71	— .05	35	32	—	1	WNW	1	e	3	41	28	0.24
	Skudesnaes ...	29.81	42	WNW	2	0	29.69	— .17	42	37	—	3	NW	6	c	4	45	?	0.04
	Christiania Fjord (Færd)	29.59	51	WNW	6	bc	29.56	— .10	41	38	—	4	NNW	4	bc	2	52	39	—
	Skagen (The Scaw)	29.64	43	NW	2	bc	29.56	— .15	43	42	—	2	WNW	5	o	3	50	39	—
	Fanö ...	29.86	42	W	6	0	29.78	— .21	44	43	0	W	4	c	*	45	41	0.08	
BRITISH ISLANDS.	Sumburgh Head	29.81	46	W	1	m	29.87	— .06	38	37	—	8	NNE	2	c	3	49	34	0.02
	Stornoway ...	29.94	48	WSW	6		29.91	— .17	40	40	—	7	NE	4	dg	4	49	38	0.29
	Wick ...	29.91	48	WNW	3	0	29.90	— .11	41	40	—	9	NE	3	o	1	55	38	0.03
	Nairn ...	30.03	47	WSW	2	bc	29.90	— .22	44	43	—	6	NE	2	r	1	55	41	0.16
	Aberdeen...	29.99	53	WNW	3	0	29.88	— .20	45	45	—	7	NNE	2	rm	1	55	44	0.03
	Leith ...	30.10	52	WNW	5	c	29.98	— .28	49	47	0	W	5	cp	*	56	47	—	
	Shields ...	30.10	55	W	3	bc	29.96	— .25	48	46	0	WSW	4	o	2	58	46	—	
	Spurn Head ...	30.13	50	WNW	4	bc	30.05	— .20	48	45	0	W	5	bc	2	55	42	—	
	York ...	30.17	55	W	3	b	30.06	— .19	51	47	+	1	W	4	c	*	64	42	—
	Loughborough	30.22	55	WNW	4	c	30.13	— .19	49	44	—	1	W	4	bg	*	61	38	—
GERMANY.	Ardrossan ...	30.17	49	W	3	0	29.99	— .28	48	47	—	2	WSW	4	o	3	55	46	0.03
	Malin Head ...	30.16	48	W	4	0	29.97	— .32	47	47	0	W	4	o	3	51	47	0.01	
	Mullaghmore	30.26	49	WSW	5	0	30.00	— .37	49	46	+	1	SW	3	omv	2	53	47	—
	Belmullet ...	30.28	50	WSW	5	0	30.00	— .38	50	49	+	2	WSW	4	o	*	57	48	—
	Donaghadee ...	30.22	52	W	3	c	30.07	— .29	50	46	+	3	W	4	c	2	58	44	—
	Barrow-in-Furness	30.22	47	SW	4	bc	30.12	— .21	46	44	+	1	SW	3	o	*	52	45	—
	Liverpool (Bidston)	30.25	50	W	2	b	30.14	— .22	46	43	+	3	W	5	o	3	51	43	—
	Holyhead ...	30.28	47	SSW	4	b	30.18	— .22	46	44	+	2	SW	3	c	2	52	44	—
	Parsonstown ...	30.33	51	W	1	c	30.19	— .31	50	47	+	4	SW	1	og	*	57	45	—
	Valencia ...	30.38	50	WSW	3	0	30.22	— .24	57	48	+	2	WSW	3	omv	3	55	48	—
FRANCE & NETHERLANDS.	Roche's Point...	30.33	54	WSW	4	b	30.24	— .21	48	45	+	3	W	2	c	3	55	38	—
	Pembroke ...	30.32	48	WNW	2	b	30.24	— .18	46	45	0	W	3	c	3	49	44	—	
	Scilly ...	30.38	49	NW	3	b	30.29	— .16	47	44	—	1	NW	4	a	4	57	45	—
	Prawle Point ...	30.32	55	NW	2	b	30.25	— .16	49	47	—	1	NW	2	b	2	61	36	—
	Jersey ...	30.32	50	WNW	3	bc	30.24	— .15	49	42	—	3	WNW	2	bm	2	59	42	—
	Hurst Castle ...	30.26	59	NW	3	bc	30.22	— .16	43	43	—	2	WNW	1	f	1	60	35	—
	Dungeness ...	30.20	50	WNW	2	c	30.16	— .15	47	45	0	W	2	b	2	61	37	—	
	London ...	30.22	61	NNW	2	c	30.19	— .14	48	43	—	1	W	1	b	*	66	37	—
	Oxford ...	30.23	54	NNW	2	b	30.19	— .16	46	44	—	4	W	2	b	*	66	36	—
	Cambridge ...	30.20	57	NW	1	c	30.15	— .18	50	45	0	NW	2	b	*	67	35	—	
PENIN-SULA.	Yarmouth ...	30.19	50	SE	2	bc	30.09	— .17	49	46	0	WNW	4	b	3	55	38	—	
	Cuxhaven ...	29.99	44	NW	6	f	29.94	— .15	46	45	0	W	4	bc	*	48	41	0.04	
	Berlin ...	29.89	53	WNW	6	0	29.87	— .11	47	46	+	2	WNW	4	r	*	54	?	0.04
	Wiesbaden ...	*	*	*	*	*	30.13	— .12	49	44	+	1	NW	2	b	*	57	45	—
	Munich ...	30.16	47	W	4	0	30.13	— .09	46	42	+	6	W	5	o	*	54	39	0.08
	The Helder ...	30.12	45	WNW	2	c	30.03	— .16	45	43	0	W	3	bc	3	48	45	—	
	Brussels ...	*	*	*	*	*	30.13	— .13	45	42	0	WSW	1	b	*	57	40	—	
	Cape Gris Nez...	30.19	47	SW	4	c	30.18	— .11	44	42	—	2	SW	1	b	0	55	45	—
	Paris ...	30.23	60	SSW	1	b	30.21	— .15	42	39	+	1	SSW	1	b	*	64	34	—
	Brest ...	?	52	NNW	4	b	30.29	— .14	42	41	—	1	NNE	4	bc	2	57	39	—
FRANCE & NETHERLANDS.	Lorient ...	30.32	58	NNE	7	bc	30.28	— .14	44	40	+	2	E	3	b	2	61	41	—
	Rochefort ...	30.29	61	NNE	5	b	30.25	— .12	48	43	+	5	ENE	5	c	2	72	39	—
	Belfort ...	30.16	58	W	1	c	30.15	— .08	48	45	+	10	W	1	bc	*	63	41	—
	Lyons ...	30.26	56	N	3	b	30.21	— .09	48	41	+	7	N	3	b	*	59	41	—
	Nice ...	30.17	49	W	1	b	30.16	— .07	47	42	+	3	E	3	b	1	57	39	—
	Perpignan ...	30.19	54	W	0	b	30.14	— .11	54	45	+	3	W	1	c	*	62	40	—
	Biarritz ...	30.26	54	N	4	b	30.20	— .08	49	46	+	4	W	5	c	2	57	43	—
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	30.08	55	N	7	b	30.04	— .14	52	45	+	3	NNE	5	b	2	63	46	—

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Wednesday 20th April 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

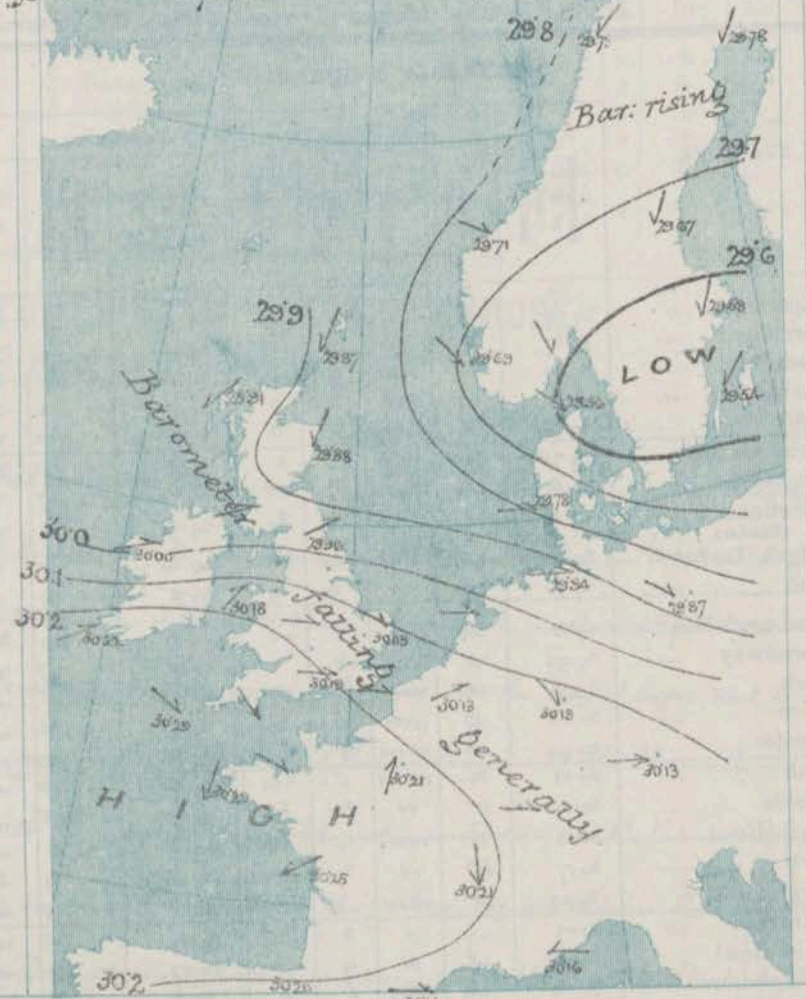
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 — force above 10; — force 8 to 10;
 — force 5 to 7; — force 4 to 6;
 — dead calm.

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.858
Nairn	29.831
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.848
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Scilly	29.867
Hurst Castle	29.866
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.873



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

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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.	At 8 p.m.	
			Dry.	Wet.	
Sumburgh Head	46.3	37.5	41.7	40.6	2.16
Stornoway	49.1	37.5	44.1	42.3	2.51
Wick	49.3	37.6	43.0	41.1	1.56
Nairn	51.6	38.4	43.4	40.8	1.23
Aberdeen	49.5	39.3	43.2	40.9	2.23
Leith	53.2	38.6	44.4	42.4	1.65
Shields	49.3	39.8	43.8	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.8	40.8	45.0	42.1	2.23
Donaghadee	51.8	40.3	45.0	43.4	2.02
Holyhead	52.3	43.1	46.4	44.5	1.86
Liverpool	53.3	41.0	46.0	43.1	1.56
Valencia	54.4	43.5	48.8	46.1	4.01
Roche's Point	54.7	42.9	47.3	45.2	3.43
Pembroke	51.2	42.5	45.9	44.0	2.10
Scilly	52.7	45.5	49.2	47.4	2.45
Hurst Castle	51.9	42.1	45.1	43.9	1.87
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	56.9	40.2	47.0	44.3	1.86
Oxford	54.9	39.6	44.9	43.0	1.79
Cambridge	56.3	38.4	45.6	43.5	1.76
Yarmouth	49.7	40.4	45.2	43.7	1.80

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 to 30.3 ins in an anticyclone lying over the south of our islands, the greater part of France and the Bay of Biscay. Lowest, 29.6 ins and less over the south of Sweden. A shallow depression is apparently lying off the east of Scotland.

TEMPERATURE

Highest, 54° at Perpignan, 52° at Lisbon and 51° at York & Valencia. Lowest, 27° at Haparanda, 29° at Sodas, 35° at Helsingfors, Stockholm and Christiansund and 38° at Lumburg Head. In London the air yesterday was excessively dry, at 2 in the Relative Humidity (saturation being represented by 100) was only 31.

WIND

Light or moderate from NE in Sweden the north of Norway and the north and east of Scotland. Moderate or fresh from W over Ireland, England and the North Sea. Variable in the east of France; E in the west of France.

WEATHER

Fine over France, the Netherlands and the south of our islands, as well as in the north of Scandinavia. Cloudy elsewhere with rain in Scotland, as well as at Berlin, and snow at Christiansund.

SEA

Moderate at Hudders, Stormoway and Lally, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low-pressure systems noticed in the extreme north yesterday have continued to move southwards, and while the lowest readings of all (29.6 ins and less) are found over the south of Sweden, a shallow depression has appeared off the east of Scotland. The barometer has consequently fallen over the greater part of Western Europe, but in the north of Scandinavia it is now rising again.

During the night the fall of the barometer has become greatest in the north of Ireland, and there are some indications of the advance of a depression towards our north-western coasts. A further extension of unsettled weather is therefore probable.

FORECASTS

For the 24 hours ending at NOON on 21st April 1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NE ^{ly} and N ^{ly} winds, moderate, dull and rainy at first, some improvement later.
1	SCOTLAND EAST	— D ^o — D ^o —
2	ENGLAND N.E.	W ^{ly} winds, moderate, dull, some rain.
3	ENGLAND EAST	Same as N ^o 5.
4	MIDLAND COUNTIES	Same as N ^o 5.
5	ENGLAND SOUTH	W ^{ly} winds, moderate, fine to dull and rainy.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	W ^{ly} and SW ^{ly} winds, moderate, dull, some rain.
7	ENGLAND N.W.	— D ^o — D ^o —
8	ENGLAND S.W.	W ^{ly} and NW ^{ly} winds, freshening, fair to dull and some rain.
9	IRELAND NORTH	W ^{ly} winds, freshening, dull, unsettled, some rain.
10	IRELAND SOUTH	— D ^o — D ^o —

WARNINGS

The S. cone has been lowered in district 0.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.87	45	44	WNW	7	af	4	Holyhead ...	30.36	50	47	NW	1	b	2
Sumburgh Head ...	29.88	46	46	W	1	mv	3	Valencia ...	30.42	55	51	WSW	4	c	4
Stornoway ...	30.01	48	48	SSW	7	rgm	6	Scilly ...	30.43	51	48	NNW	2	b	4
Aberdeen ...	30.05	55	48	W	3	0	1	Dungeness ...	30.23	51	48	W	3	c	2
Shields ...	30.14	58	51	W	4	c	2	London ...	30.26	64	47	NNW	2	c	*
Ardrossan ...	30.22	53	49	WNW	4	c	3	Yarmouth ...	30.20	54	49	NNW	4	be	3
Malin Head ...	30.22	50	48	W	4	0	3	Jersey ...	30.36	59	48	WNW	2	be	2
Mullaghmore ...	30.33	51	47	W	5	0	3	Rochefort ...	30.34	67	56	NE	5	b	2
Belmullet ...	30.34	50	48	W	5	0	3								

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

Yesterday morning's reports showed that the anticyclone which lay over England and Ireland on Monday, had moved southward to a position off our southwest coasts, and that readings varied from about 30.5 ins. in the south of Ireland and Brittany to 29.3 ins. on the shores of the White Sea, and to about 29.95 ins. over the north of Algeria. Shallower secondary depressions were found over Scandinavia and Central Russia. W² and NW² breezes consequently prevailed over the whole of NW and N Europe, with some showers, while in the west and south of France the wind remained E² and the weather was fine and very dry. Temperature had risen a little over Northwestern Europe, and varied from about 53° over the southeastern parts of the Mediterranean to between 43° and 52° over the British Isles, and to somewhat below the freezing point over Finland and Central Russia. The highest individual readings were 59° at Malta, 58° at Oran (Algeria), 57° at Thindiri, 56° at Aports and Barcelona, 55° at Langunair, 52° at Jersey, and 51° at York; the lowest 26° at Wharfedale, 23° at Kharlov, 31° at Rodi, Naparanda, Riga, and Kiev, and 40° at Paris and Munich.

Later in the day the wind backed to the N² over France, and temperature rose both there and over England, maxima being recorded as high as 72° at Rochefort, and 66° and 67° over the south-east of England. The succeeding night, however, was somewhat cold again, a slight frost occurring on the grass at several inland stations.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Thursday 21st April

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 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.		
	Inch.	°				Inch.	Inch.	°	°	°					°	°	Inch.	
SCANDINAVIA.																		
Haparanda ..	29.74	19	N	2	b	29.41	- .37	22	21	- 5	N	6	S	*	32	16	-	
Hernösand ...	29.70	32	NE	2	b	29.64	- .03	28	24	- 7	N	6	b	*	45	27	-	
Stockholm ...	29.54	32	N	4	c	29.62	+ .04	32	28	- 3	N	6	c	*	41	30	-	
Wisby ...	29.51	32	NE	4	S	29.63	+ .06	32	30	- 5	NE	6	c	*	41	30	0.20	
Bodö ...	29.83	30	E.NE	4	b	29.78	- .05	26	28	- 3	E.NE	4	b	1	34	?	-	
Christiansund...	29.86	36	N.E.	4	bc	29.91	+ .20	32	32	- 3	WNW	3	S	3	39	30	-	
Skudesnaes ...	29.52	37	NE	4	o	29.92	+ .23	39	34	- 3	ESE	2	b	2	?	?	-	
Christiania Fjord (Færder)	29.57	35	N.E.	8	Λ	29.86	+ .30	26	31	- 5	WNW	6	b	2	43	34	0.04	
Skagen (The Seaw)	29.52	37	N	6	o	29.88	+ .32	37	32	- 6	N.E.	2	b	2	50	34	-	
Fanø ...	29.75	39	WNW	6	o	29.92	+ .14	41	36	- 3	WNW	2	b	*	46	34	-	
BRITISH ISLANDS.																		
Sumburgh Head	29.95	42	N.E.	1	b	29.92	+ .05	42	37	+ 4	SE	2	c	2	45	33	0.10	
Stornoway ...	29.98	42	E	4	o q	29.67	- .24	42	42	+ 2	E	4	Λ	4	44	38	0.19	
Wick ...	29.97	43	E	3	b	29.80	- .10	40	38	- 1	S	6	ou	1	44	36	0.02	
Nairn ...	29.96	41	E	2	o	29.72	- .18	40	38	- 4	SE	1	Λ	1	44	36	0.13	
Aberdeen...	29.95	40	N.E.	3	Λ	29.88	- .06	38	37	- 7	SSE	4	Λ	2	46	37	0.30	
Leith ...	29.95	43	W	3	Λ	29.78	- .15	40	40	- 9	SE	2	Λ	*	52	38	0.44	
Shields ...	29.87	54	W	5	c	29.87	- .09	42	42	- 6	E	4	Λ	3	55	39	0.15	
Spurn Head ...	29.94	50	WNW	5	b	29.93	- .12	43	43	- 5	SE	4	o q	2	53	41	-	
York ...	29.96	53	W	5	c	29.91	- .15	43	43	- 2	S	2	m	*	55	41	0.02	
Loughborough	30.02	55	W	3	b	29.94	- .19	44	42	- 5	SSE	1	o q m	*	61	39	-	
ARDROSSAN.																		
Ardrossan ...	29.92	50	WNW	1	o	29.73	- .18	43	43	- 5	NE	2	Λ	1	50	39	0.41	
Malin Head ...	29.71	48	W	3	o m	29.60	- .37	48	48	+ 1	SE	4	o p	3	49	47	0.31	
Mullaghmore ...	29.97	50	SW	4	o p m	29.65	- .35	50	49	+ 1	SW	5	o n	4	51	48	0.33	
Belmullet ...	29.97	50	SW	4	o	29.63	- .37	50	50	0	W	2	o	*	51	49	0.64	
Donaghadee ...	29.97	54	W	5	c	29.75	- .32	48	47	- 2	W	3	Λ	1	59	46	0.22	
GERMANY.																		
Barrow-in-Furness	29.97	48	SW	3	o	29.85	- .27	47	46	+ 1	SW	4	o	*	51	45	0.05	
Liverpool (Bidston)	30.00	52	W	5	o	29.87	- .27	49	46	+ 3	SSE	1	o	2	55	46	-	
Holyhead ...	30.04	48	SW	4	o	29.86	- .32	46	46	0	PEW	3	m	3	52	46	0.01	
Parsonstown ...	30.04	50	SW	1	c	29.77	- .36	51	49	+ 1	W	0	o q m	*	56	48	-	
Valencia ...	30.08	52	SW	4	o m	29.76	- .46	51	50	0	SW	6	o q m	6	56	49	0.12	
FRANCE & NETHERLANDS.																		
Roche's Point...	30.09	51	W	4	c	29.84	- .40	48	47	0	W	5	Λ	4	52	47	0.01	
Pembroke ...	30.11	47	W	4	bc	29.92	- .32	47	45	+ 1	SW	4	o	4	50	45	-	
Scilly ...	30.17	49	WNW	4	c	29.98	- .31	49	46	+ 2	W	4	o	4	51	46	-	
Prawle Point ...	30.13	50	W	3	b	30.00	- .23	47	45	- 2	W	3	o	2	57	38	-	
Jersey ...	30.14	48	W	3	b	30.03	- .21	46	43	- 3	WNW	3	o m	3	54	38	-	
NETHERLANDS.																		
Hurst Castle ...	30.08	55	WNW	3	b	29.99	- .23	45	43	+ 2	W	2	bc	1	61	38	-	
Dungeness ...	29.99	47	W	4	bc	29.98	- .18	48	45	+ 1	W	1	b	1	58	37	-	
London ...	30.02	50	W	2	bc	29.97	- .22	45	42	- 3	W	1	o	*	64	37	-	
Oxford ...	30.05	48	W	2	b	29.96	- .23	41	40	- 5	W	1	o w	*	61	36	-	
Cambridge ...	30.00	53	E	1	b	29.95	- .18	49	46	- 1	W	0	o	*	64	38	-	
GERMANY.																		
Yarmouth ...	29.98	57	W	3	b	29.97	- .12	44	43	- 5	E.NE	3	c	3	61	42	-	
Cuxhaven ...	29.86	51	W	5	Λ	29.91	- .03	41	39	- 5	N.E.	3	b	*	?	39	0.06	
Berlin ...	29.82	51	W	2	o	29.81	- .06	41	38	- 6	W	2	o	*	54	39	0.24	
Wiesbaden ...	*	*	*	*	*	29.95	- .18	45	42	- 4	W	0	m	*	66	37	-	
Munich ...	30.02	51	W	2	b	29.96	- .15	47	42	+ 1	W	2	b	*	61	37	-	
FRANCE & NETHERLANDS.																		
The Helder ...	29.94	46	W	3	c	29.96	- .07	43	40	- 2	E.NE	3	c	2	48	43	-	
Brussels ...	*	*	*	*	*	29.96	- .17	46	43	+ 1	W	1	b	*	60	40	-	
Cape Gris Nez...	30.02	46	W	5	b	29.95	- .23	45	42	+ 1	W	0	m	0	52	41	-	
Paris ...	30.06	62	W	3	b	30.01	- .20	42	41	0	W	1	b	*	69	35	-	
Brest ...	30.19	49	W	4	b	30.10	- .19	45	42	+ 3	W	1	o	3	57	39	-	
Lorient ...	30.14	58	W	5	b	30.06	- .22	41	39	- 3	N.E.	3	b	2	61	39	-	
Rocheport ...	30.11	55	W	5	b	30.03	- .22	46	43	- 2	N.E.	5	b	2	66	39	-	
Belfort ...	? 30.03	63	W	1	b	? 29.95	- .20	52	48	+ 1	W	1	b	*	68	41	-	
Lyons ...	30.00	62	N	3	b	29.95	- .26	52	42	+ 2	N	3	bc	*	66	48	-	
Nice ...	30.06	49	E	3	b	29.91	- .25	54	45	+ 7	E	5	c	5	59	45	-	
FRANCE & NETHERLANDS.																		
Perpignan ...	30.01	55	E	1	o	29.91	- .23	51	48	- 3	E	1	o	*	66	45	-	
Biarritz ...	30.07	54	W	5	o	29.95	- .25	53	50	+ 2	W	7	o	3	57	?	-	
GERMANY.																		
Corunna ...	*	*	*	*	*	30.15	- .15	54	50	+ 1	N.E.	1	b	2	59	36	-	
Lisbon ...	30.01	57	W	7	b	30.02	- .02	55	52	+ 3	W	4	b	2	63	52	-	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

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

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 —

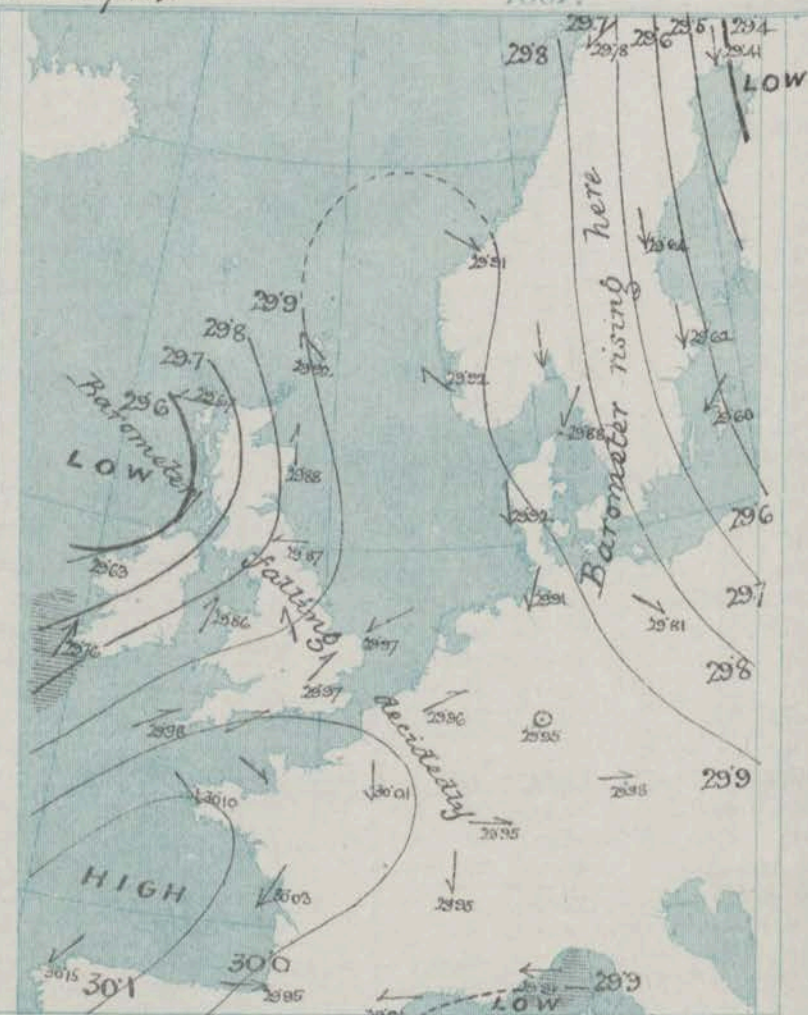
→ = forces above 10; →→ = forces 8 to 10;
 → = forces 5 to 7; → = forces 1 to 4;
 ⊙ = dead calm.

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.833
Stormoway	29.806
Wick	29.838
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Scilly	29.867
Hurst Castle	29.866
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.878



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

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

Weather — is shown by letters of the Beaufort Scale.

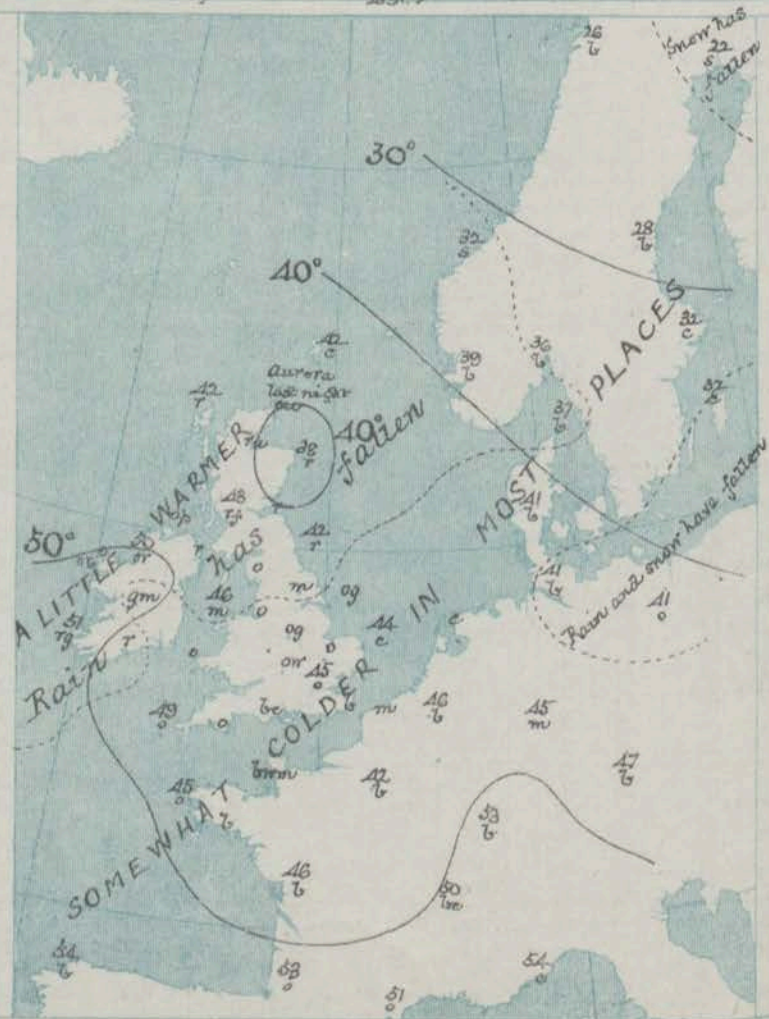
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	46.3	37.5	41.7	40.6	2.16
Stormoway	49.1	37.5	44.1	42.9	2.51
Wick	49.3	37.6	43.0	41.1	1.56
Nairn	51.6	38.4	43.4	40.8	1.23
Aberdeen	49.5	39.3	43.2	40.9	2.23
Leith	53.2	38.6	44.4	42.4	1.65
Shields	49.3	39.8	43.8	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.8	40.8	45.0	43.1	2.23
Donaghadee	51.8	40.3	45.0	43.4	2.02
Holyhead	52.3	43.1	46.4	44.5	1.86
Liverpool	53.3	41.0	46.0	43.1	1.56
Valencia	54.4	43.5	48.8	46.1	4.01
Roche's Point	54.7	42.9	47.3	45.2	3.43
Pembroke	51.2	42.5	45.9	44.0	2.10
Scilly	52.7	45.5	49.2	47.4	2.45
Hurst Castle	51.9	42.1	45.1	43.9	1.87
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	56.9	40.2	47.0	44.3	1.86
Oxford	54.9	39.6	44.9	43.0	1.79
Cambridge	58.3	38.4	45.6	43.5	1.76
Yarmouth	49.7	40.4	45.2	43.7	1.80

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, 30.0 ins. and upwards, over the Bay of Biscay and west and north of France, but also high, 29.9 ins. and upwards, in a long band extending northwards from France across the Netherlands and the North Sea to the N. of Norway. Lowest, 29.5 ins. and less, over the mouth of Sweden, but low, 29.6 ins. and less in a depression lying off the NW. of Ireland.
TEMPERATURE	Highest, 55° at Lisbon, 54° at Nice, 50° at Biarritz, and 51° at Versonbois, Valencia and Perpignan. Lowest, 22° at Haparanda, 26° at Bodø, 28° at Helsingfors, and 32° at Christiansund, Stockholm and Ulsby; lowest in our Islands 38° at Aberdeen.
WIND	Moderate to fresh from SW. on our western coasts, and from SE. in Scotland. Light from W. in the eastern part of the Channel, and from between N. and E. over France. Moderate to strong from the northward in Scandinavia and Denmark.
WEATHER	Dull in our Islands, with rain over the whole of Ireland and Scotland. Fine at most of the Continental stations, but snow-falling at Haparanda and Christiansund. Light Aurora was seen last night at Kirk.
SEA	Rough at Valencia, but moderate to smooth elsewhere.

At 2 a.m. today a shock of earthquake is reported to have occurred at Jersey.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off our north-west coasts seems likely to occasion a considerable increase of wind over Ireland and Scotland, and as the barometer continues to fall steadily at Valencia it is probable that other disturbances are approaching from the Atlantic. The rainy unsettled weather now prevailing in the west and north will probably extend to our south-eastern districts shortly.

FORECASTS

For the 24 hours ending at NOON on 22nd April 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
* 0 SCOTLAND NORTH	SE ^{ty} winds, increasing to a gale; squally, rain at times.	* 6 SCOTLAND WEST	Same as N° 0
* 1 SCOTLAND EAST	-----D°-----D°-----D°-----	7 ENGLAND N. W.	S ^{ty} and SW ^{ty} winds, increasing in force; dull, squally, some rain.
2 ENGLAND N. E.	SE ^{ty} winds, freshening; dull, some rain.	8 ENGLAND S. W.	-----D°-----D°-----D°-----
3 ENGLAND EAST	Same as N° 5.	* 9 IRELAND NORTH	SW ^{ty} winds, increasing to a gale, squally and rainy at first, some improvement later.
4 MIDLAND COUNTIES	Same as N° 5.	* 10 IRELAND SOUTH	-----D°-----D°-----D°-----
5 ENGLAND SOUTH	Variable or S ^{ty} breezes; cloudy, unsettled, some rain.	WARNINGS	The S. cone has been hoisted this morning in districts 0, 6, 9 and 10. An asterisk is inserted against those districts in which significant rain is falling.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.74	39	33	NW 7	c	4	Holyhead ...	30.10	52	48	SW 4	c	3
Sumburgh Head	29.90	42	38	N.E. 1	bc	3	Valencia ...	30.16	54	52	SW 5	0	5
Stornoway ...	29.94	43	42	N.E. 4	oq	4	Scilly ...	30.23	51	47	WNW 4	0	4
Aberdeen ...	29.91	43	42	N.E. 3	h	1	Dungeness ...	30.06	51	49	W 4	6	3
Shields ...	29.89	53	50	SW 4	e	2	London ...	30.06	63	51	WNW 2	6	*
Ardrossan ...	29.91	50	49	SW 4	0	3	Yarmouth ...	30.02	60	53	WNW 3	bc	3
Malin Head ...	29.94	49	49	W 3	0	3	Jersey ...	30.20	51	47	WNW 3	6	3
Mullaghmore ...	30.02	50	49	SW 5	o p	4	Rocheport ...	30.19	61	55	W 5	6	2
Belmullet ...	30.04	51	51	WSW 4	0	*							

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

The reports for yesterday morning showed that pressure varied from rather above 30.3 ins. over the Bay of Biscay to about 29.8 ins. over Central Algeria on the one hand, and to a little below 29.5 ins. over the Baltic Provinces of Russia, on the other. To the northward of Norway (over the Atlantic) pressure seemed to be higher. Thus, while NE³ breezes prevailed over Norway and the north of Scotland, the winds over the British Isles generally, the North Sea and Baltic were W² (NW to SW). Further south i.e. over the western parts of France and the Peninsula, the NE² winds of the Algerian low pressure system were felt, and blew strongly on the Algerian coast and in some parts of Spain. The weather was dull and rather showery in the west and north, and also over Germany and on the Algerian coast, fine over England and France and comparatively mild. Temperature had risen to above 50° on the northern shores of the Mediterranean and to between 44° and 51° over the British Isles, but had fallen over the southern parts of the Mediterranean. Frost was prevalent (at 8 am) in the extreme north of Scandinavia and Russia only. The highest individual values were 59° at Oporto, 58° at Malta, 56° at Cagliari, 55° at Brindisi, 54° at Perpignan and Sanguinaria, 52° at Lisbon and Belfort, 51° at Legna, Valencia (Ireland) and York, and 50° at several other British stations; the lowest 27° at Haparanda, 28° at Uleaborg and Archangel, 29° at Rodö, 31° at Moscow, and 35° at Christiansund.

During the day temperature rose considerably over England and France, some of the maxima over England being as high as 64°. With a falling barometer showers fell in the west and north, and the sky began to assume a less settled appearance at several of the English stations.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Friday 26th April 1887.
Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, No. 1, Whitehall Street, London, W.C. 2, England.

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 55° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rain.		
			Dir.	Force. (0 to 12.)		Reading at 55° 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 ...	29.18	27	N	4	S.	29.25	-1.6	26	24	+4	Z	0	bc	*	30	18	0.08		
Hernösand ...	29.47	31	N	4	b	29.46	-1.8	31	25	+3	HW	4	bc	*	39	25	-		
Stockholm ...	29.63	35	W	2	c	29.68	+0.6	35	29	+3	HW	4	b	*	39	28	-		
Wisby ...	29.71	36	HW	6	b	29.74	+1.4	35	32	+3	W	4	b	*	39	28	-		
Bodö ...	29.63	28	NNE	4	c	29.37	-1.4	29	28	+3	ENE	2	S	1	30	25	-		
Christiansund ...	29.81	32	HW	4	S	29.66	-1.5	34	31	+2	HW	4	c	3	36	28	0.28		
Skudesnaes ...	29.82	39	SW	2	bc	29.56	-1.36	40	34	+1	ESE	6	c	4	48	39	-		
Christiania Fjord (Fæder)	29.75	41	HW	8	b	29.71	-1.5	36	32	0	ENE	2	b	2	43	36	-		
Skagen (The Scaw)	29.81	34	HW	1	b	29.72	-1.6	38	34	+1	HW	1	c	0	45	30	-		
Fanö ...	29.84	37	E	2	b	29.63	-1.29	39	37	-2	SSE	4	c	*	46	36	-		
BRITISH ISLANDS.																			
Sumburgh Head	29.69	38	SE	4	S	29.34	-1.58	37	36	-5	E	6	n	6	46	34	0.21		
Stornoway ...	29.87	44	SE	4	d	29.18	-1.49	47	47	+5	SSE	3	og	3	47	38	0.25		
Wick ...	29.47	41	SSE	7	n	29.21	-1.59	41	41	+1	S	1	bc	1	45	38	0.27		
Nairn ...	29.44	45	SE	1	n	29.23	-1.49	46	45	+6	Z	0	c	1	46	38	0.21		
Aberdeen ...	29.51	43	SSE	5	md	29.26	-1.62	48	46	+10	SW	2	c	2	48	36	0.52		
Leith ...	29.47	48	S	1	o	29.31	-1.47	50	47	+10	SW	2	bc	*	52	39	0.14		
Shields ...	29.63	49	S	3	n	29.36	-1.51	53	48	+11	SW	3	c	2	53	40	0.25		
Spurn Head ...	29.71	45	SE	5	o	29.47	-1.46	48	47	+5	HW	4	bc	3	48	42	0.03		
York ...	29.69	51	W	1	o	29.45	-1.46	49	47	+6	SW	1	c	*	55	41	0.07		
Loughborough	29.74	50	HW	3	o	29.54	-1.40	51	48	+7	HW	3	bc	*	56	44	-		
GERMANY.																			
Ardrossan ...	29.47	47	SW	4	md	29.31	-1.42	46	46	+3	SW	4	c	3	49	42	0.51		
Malin Head ...	29.43	49	W	3	om	29.26	-1.34	47	47	-1	SW	4	og	3	52	45	0.10		
Mullaghmore ...	29.50	50	W	4	cp	29.33	-1.32	48	46	-2	SW	3	c	2	54	45	0.25		
Belmullet ...	29.52	50	HW	3	c	29.33	-1.30	49	45	-3	HW	4	b	*	53	45	0.24		
Donaghadee ...	29.50	49	SW	6	n	29.36	-1.39	49	48	+1	W	3	c	1	51	44	0.23		
FRANCE & NETHERLANDS.																			
Barrow-in-Furness	29.62	46	SW	4	n	29.42	-1.43	46	45	-1	SW	5	c	*	49	45	0.22		
Liverpool (Bidston)	29.67	48	SW	3	n	29.46	-1.41	50	47	+1	SW	2	c	2	53	45	0.16		
Holyhead ...	29.63	46	SW	5	g/n	29.46	-1.40	47	47	+1	SW	4	c	4	50	45	0.09		
Parsonstown ...	29.56	53	Z	0	c	29.41	-1.36	49	47	-2	SW	1	og	*	53	46	0.57		
Valencia ...	29.64	52	HW	4	o	29.46	-1.30	51	49	0	HW	4	cp	5	55	46	0.07		
Roche's Point...	29.63	52	HW	4	bc	29.49	-1.35	50	48	+2	SW	5	c	4	52	46	0.18		
Pembroke ...	29.70	47	SW	4	o	29.54	-1.38	47	46	0	SW	5	om	5	49	46	0.05		
Scilly ...	29.79	50	SW	5	o	29.62	-1.36	50	50	+1	HW	4	op	4	52	47	0.01		
Prawle Point ...	29.83	47	SW	3	o	29.65	-1.35	47	47	0	SW	3	o	3	49	44	0.08		
Jersey ...	29.89	49	HW	2	bc	29.71	-1.32	48	47	+2	SW	4	om	4	51	44	0.06		
HURST CASTLE.																			
Hurst Castle ...	29.83	48	HW	5	c	29.64	-1.35	48	48	+3	HW	5	c	2	55	44	0.04		
Dungeness ...	29.80	46	HW	3	bc	29.64	-1.34	44	44	-4	HW	4	n	4	53	43	0.06		
London ...	29.76	55	SW	3	c	29.61	-1.36	50	48	+5	SW	2	c	*	62	44	0.01		
Oxford ...	29.77	49	HW	2	o	29.58	-1.38	50	48	+9	SW	3	c	*	56	40	-		
Cambridge ...	29.75	52	SW	1	o	29.57	-1.38	53	49	+4	SW	2	bc	*	62	45	-		
PORTUGAL.																			
Yarmouth ...	29.79	42	SSE	4	f	29.57	-1.40	48	46	+4	SW	3	c	3	48	40	0.01		
Cuxhaven ...	29.93	40	N	3	b	29.62	-1.29	42	40	+1	SSE	3	bc	*	42	39	-		
Berlin ...	29.95	44	NE	2	c	29.83	+0.2	43	39	+2	SE	3	c	*	50	36	-		
Wiesbaden ...	*	*	*	*	*	29.76	-1.19	47	44	+2	Z	0	b	*	64	39	-		
Munich ...	29.88	48	NE	3	b	29.80	-1.18	44	42	-3	E	3	b	*	61	32	-		
SPAIN.																			
The Helder ...	29.80	46	SE	1	c	29.59	-1.37	45	44	+2	SSE	3	f	2	50	43	-		
Brussels ...	*	*	*	*	*	29.73	-1.23	46	42	0	SW	3	o	*	60	40	-		
Cape Gris Nez...	29.84	46	SW	4	c	29.68	-1.27	44	43	-1	SW	5	o	4	55	43	-		
Paris ...	29.84	61	HW	1	b	29.81	-1.20	42	41	0	S	1	b	*	66	34	-		
Brest ...	29.96	56	SW	1	b	29.76	-1.34	50	47	+5	SW	7	n	5	55	39	0.32		
FRANCE & NETHERLANDS.																			
Lorient ...	29.93	49	W	5	b	29.80	-1.26	50	47	+9	W	4	o	2	52	41	-		
Rochefort ...	29.93	53	HW	5	b	29.93	-1.10	50	45	+4	HW	5	c	2	64	43	-		
Belfort ...	29.81	64	E	1	b	29.77	-1.18	56	51	+3	E	1	b	*	64	34	-		
Lyons ...	29.80	60	N	1	c	29.81	-1.14	49	43	-1	SSE	1	b	*	66	42	-		
Nice ...	29.84	57	E	5	o	29.76	-1.15	51	47	-3	Z	0	o	2	59	48	-		
PERU.																			
Perpignan ...	29.91	52	SW	3	o	29.82	-1.09	56	49	+5	HW	3	o	*	62	50	-		
Biarritz ...	29.95	54	W	5	o	29.96	+0.1	49	46	-4	SW	4	b	2	55	46	-		
AFRICA.																			
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-		
Lisbon ...	29.97	57	HW	4	b	29.97	-1.05	53	50	-2	NNE	4	b	2	66	50	-		

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Friday, 22nd April, 1887.

BAROMETER, WIND & SEA.

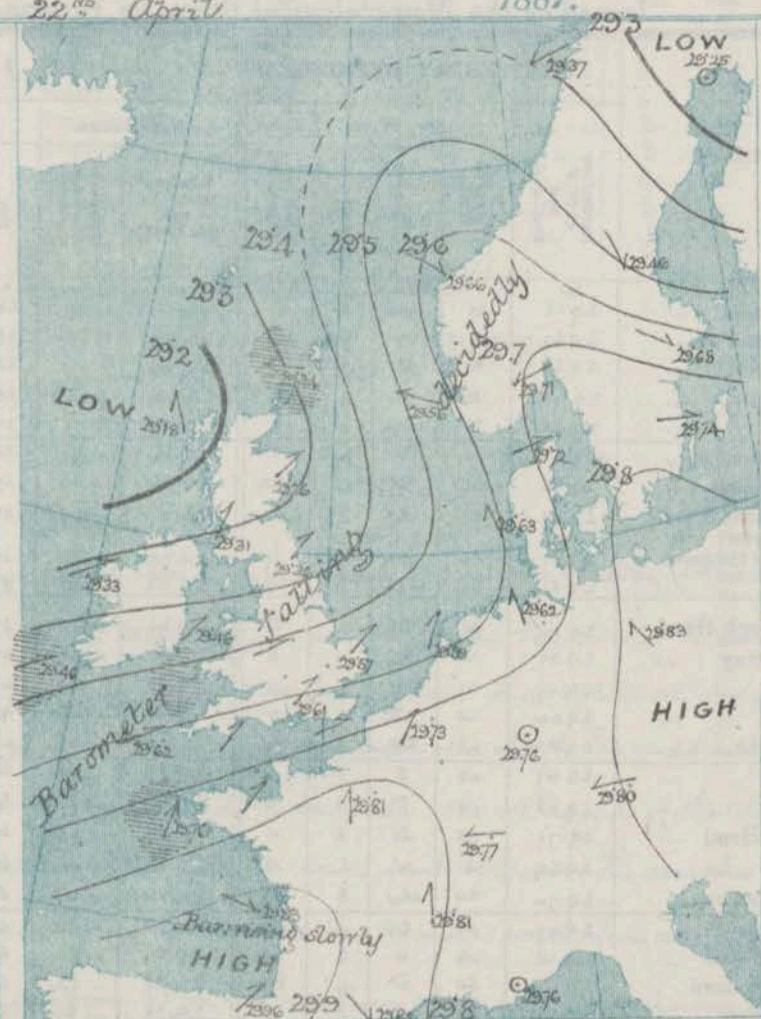
(Explanation of Map)

- 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 —
- force above 10; — forces 8 to 10;
 - forces 5 to 7; — forces 1 to 4;
 - = dead calm.
- Sea Disturbance** — where considerable is shown, thus
- Rough. — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.838
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Selly	29.867
Harst Castle	29.866
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.873



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

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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	46.3	37.5	41.7	40.8	2.16
Stornoway	49.1	37.5	44.1	42.3	2.51
Wick	49.3	37.8	43.0	41.1	1.56
Nairn	51.6	38.4	43.4	40.8	1.23
Aberdeen	49.5	39.3	43.2	40.9	2.23
Leith	53.2	38.6	44.4	42.4	1.65
Shields	49.8	39.8	43.9	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.8	40.8	45.0	42.1	2.23
Donaghadee	51.8	40.3	45.0	43.4	2.02
Holyhead	52.3	43.1	46.4	44.5	1.86
Liverpool	53.3	41.0	46.0	43.1	1.56
Valencia	54.4	43.5	48.8	46.1	4.01
Roche's Point	54.7	42.9	47.3	45.2	2.48
Pembroke	51.2	42.5	45.9	44.0	2.10
Selly	52.7	45.5	49.2	47.4	2.45
Harst Castle	51.9	42.1	45.1	43.9	1.87
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	56.9	40.2	47.0	44.3	1.86
Oxford	54.9	39.6	44.9	43.0	1.79
Cambridge	56.3	38.4	46.8	43.5	1.76
Yarmouth	49.7	40.4	45.2	43.7	1.80

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 in: and upwards, over Spain and the south-west of France, but relatively high over Germany and the Baltic.
Lowest, 29.2 in: and less, in a depression having its centre to the westward of the Hebrides.

TEMPERATURE

Highest, 56° at Beaufort and Perpignan, 53° at Shields, Cambridge and Liabow, and 51° at Valencia and Nice.
Lowest, 26° at Haparanda, 23° at Heds, 31° at Helsingfors, 34° at Christiania, 35° at Stockholm and Ulsby, and 37° at Lumburg H.

WIND

Moderate or fresh from SW. over Ireland, England, and the north of France.
Light S over the Netherlands and Denmark; moderate to strong from E. or SE. in the N. of Scotland and west of Norway.

WEATHER

Changeable and showery in our Islands, but fair at most of the Continental stations.
Since yesterday morning rain has fallen in nearly all parts of the United Kingdom, the largest amounts being 0.6 in: at Peterborough and 0.5 in: at Aberdeen and Ardnamurchan.

SEA

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

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed off our northwest coast yesterday has moved slowly northwards, and is now found near the Hebrides. The barometer is, however, still falling generally, and there is a tendency for the development of shallow subsidiary disturbances over various parts of the United Kingdom.

Changeable showery weather is therefore likely to continue for a time in most districts.

FORECASTS

For the 24 hours ending at NOON on 23rd April. 1887.

DISTRICTS.

FORECASTS.

0 SCOTLAND NORTH S^W and SE^W winds, moderate or fresh; changeable, some showers.

1 SCOTLAND EAST D^o D^o D^o

2 ENGLAND N E Same as No 5

3 ENGLAND EAST Same as No 5

4 MIDLAND COUNTIES Same as No 5

5 ENGLAND SOUTH SW^W and W^W winds, fresh; changeable, some showers.

DISTRICTS.

FORECASTS.

6 SCOTLAND WEST S^W and SW^W winds, force doubtful; cloudy, some showers.

7 ENGLAND N W Same as No 5

8 ENGLAND S W SW^W and W^W winds, fresh or strong; squally, showery.

9 IRELAND NORTH D^o D^o D^o

10 IRELAND SOUTH D^o D^o D^o

WARNINGS

The S cone has been lowered this morning in districts 0 and 1. An asterisk is inserted against those districts in which signals are now flying.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnæs ...	29.89	48	26	SE 2	6	2	Holyhead ...	29.73	47	47	SE 4	ngm	4
Sumburgh Head ...	29.89	42	37	SE 3	c	3	Valencia ...	29.67	54	53	SW 5	0	6
Stornoway ...	29.49	43	43	ESE 4	om	4	Scilly ...	29.88	51	49	SW 5	0	4
Aberdeen ...	29.69	43	89	SSE 6	A	4	Dungeness ...	29.88	52	49	W 1	6	1
Shields ...	29.73	46	46	SE 4	o A	3	London ...	29.84	60	50	W 3	c	*
Ardrossan ...	29.57	47	47	S 4	n	3	Yarmouth ...	29.88	45	44	SW 4	c	3
Malin Head ...	29.48	50	50	W 4	0	3	Jersey ...	29.96	50	44	W 3	6c	3
Mullaghmore ...	29.55	51	50	W 4	p	2	Rochefort ...	29.95	63	56	W 4	6	2
Balmullet ...	29.56	50	51	W 4	c	*							

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

The reports for yesterday morning showed that pressure was highest (30.3 ins.) over the Bay of Biscay, whence a broad band of high readings spread eastward over France. This band then bifurcated, one portion extending northwards over the North Sea, while the other extended in a southeasterly direction across South Germany, and the Balkan Peninsula to Turkey in Asia. These low pressure areas were apparent, one lying over the Atlantic to the westward of the British Isles, another over Finland and the Balkan Provinces of Russia, and a third over Algeria. The winds and weather consequently varied greatly; mild SW breezes with some showers were experienced over the British Isles, strong N winds and cold dry weather over the Gulf of Bothnia, W breezes and some showers over Russia and North Germany, NE winds over the Peninsula and southwest of France, and variable airs over the Adriatic, Italy, and the northeastern part of the Mediterranean. Temperature was inclined to rise slowly; the morning readings varied from nearly 60° over the southeastern part of the Mediterranean, and from a little above 50° in Ireland to somewhat below the freezing point over Northern Europe. The highest individual values were 59° at Malta, 57° at Constantinople, Moscow, Baffiari, Brindisi, and Palma, 56° at Palermo, Trieste and Lercina, 55° at Lisbon, 54° at Ales and Corunna, 53° at Belfort and 51° at Valencia; the lowest 22° at Haparanda, 26° at Rode and Uleaborg, 28° at Helsingfors, 29° at St. Petersburg, 32° at Kisby, 34° at Memel, and 38° at Aberdeen.

Later on the depression off our western coasts spread more to the eastward. Temperature again rose to above 60° over England, but showers of mild rain subsequently spread to the midland and eastern part of the country.

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 23rd April

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 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 ...	29.49	29	E	3	0	29.65	+ .40	24	23	- 2	SE	2	6	*	36	21	-	
Hernösand ...	29.62	34	W	0	6	29.70	+ .24	35	32	+ 4	W	0	6	*	43	29	-	
Stockholm ...	29.71	36	W	2	6	29.71	+ .03	43	38	+ 8	SE	2	0	*	45	30	-	
Wisby ...	30.13	34	S	4	6	29.69	- .05	42	41	+ 7	SE	4	0	*	46	?	-	
Bodö ...	29.34	30	E	4	8	29.48	+ .11	34	32	+ 3	ENE	2	5	1	?	28	-	
Christiansund...	29.54	35	ENE	3	6	29.47	- .19	38	32	+ 4	E	3	6	3	?	28	-	
Skudesnæs ...	29.41	42	SSE	6	1	29.38	- .18	46	44	+ 6	SSE	4	0	4	?	?	-	
Christiania Fjord (Færdar)	29.58	42	S	8	0	29.54	- .17	41	40	+ 5	SE	6	m	3	43	?	-	
Skagen (The Scaw)	29.50	42	S	4	0	29.54	- .18	42	42	+ 4	SSW	2	0	1	45	39	0.08	
Fanø ...	29.56	42	SW	4	0	29.54	- .09	44	44	+ 5	S	4	1	*	52	39	0.04	
BRITISH ISLANDS.																		
Sumburgh Head	29.20	43	E	3	1	29.15	- .19	44	44	+ 7	SSE	3	1	5	45	35	0.54	
Stornoway ...	29.14	47	S	4	nhp	29.08	- .10	45	45	- 2	N	1	em	1	52	35	0.22	
Wick ...	29.15	49	W	0	0	29.06	- .15	46	46	+ 5	SE	1	0	0	55	41	0.12	
Nairn ...	29.15	51	SW	2	0	29.06	- .17	46	45	0	W	0	6	0	56	39	0.04	
Aberdeen...	29.21	52	SSW	3	0	29.11	- .15	46	44	- 2	S	4	6	2	58	42	0.06	
Leith ...	29.24	51	SE	1	0	29.11	- .20	46	43	- 4	SE	1	0	*	57	40	0.14	
Shields ...	29.32	52	SSW	3	0	29.16	- .20	49	45	- 4	SSW	3	0	2	55	42	-	
Spurn Head ...	29.40	51	SW	3	6	29.27	- .20	48	46	0	S	5	cp	3	58	43	0.01	
York ...	29.39	54	SSW	2	0	29.23	- .22	45	44	- 4	S	2	6	*	58	41	0.02	
Loughborough	29.44	54	WNW	3	0	29.29	- .25	49	45	- 2	SSW	4	6	*	59	43	0.03	
Ardrossan ...	29.22	46	W	0	0	29.08	- .23	45	43	- 1	ENE	2	0	2	48	42	0.27	
Malin Head ...	29.17	50	WNW	2	0	29.00	- .26	42	42	- 5	SSE	3	op	2	51	39	0.08	
Mullaghmore ...	29.20	48	W	2	6	28.94	- .34	44	43	- 4	SSE	1	op	1	52	41	0.07	
Belmullet ...	29.18	46	SW	3	0	29.01	- .32	45	43	- 2	WNW	2	0	*	50	42	0.39	
Donaghadee ...	29.23	47	SSW	2	1	29.04	- .32	44	43	- 3	SW	5	6	3	53	39	0.31	
Barrow-in-Furness	29.32	48	S	4	0	29.16	- .26	46	44	0	SSE	6	0	*	51	43	0.14	
Liverpool (Bldg)	29.36	52	SW	4	6	29.18	- .28	46	43	- 4	SSE	2	0	3	54	41	0.12	
Holyhead ...	29.34	47	SSW	4	0	29.13	- .33	47	45	0	SSW	4	6	4	51	43	0.14	
Parsonstown ...	29.27	50	W	0	0	29.09	- .32	46	44	- 3	SW	1	6	*	54	40	0.01	
Valencia ...	29.29	49	SW	5	0	29.14	- .32	49	45	- 2	W	5	cp	6	54	43	0.19	
Roche's Point...	29.34	50	WNW	5	0	29.16	- .33	47	45	- 3	WNW	5	cp	4	51	41	0.15	
Pembroke ...	29.41	47	SSW	4	0	29.19	- .35	47	46	0	SSW	6	cp	5	50	43	0.06	
Scilly ...	29.49	52	SW	5	0	29.31	- .31	51	49	+ 1	WNW	6	0	6	55	45	0.03	
Prawle Point ...	29.54	48	SW	4	0	29.35	- .30	49	46	+ 2	SW	5	0	5	52	43	0.02	
Jersey ...	29.62	47	SSW	2	0	29.45	- .26	50	48	+ 2	SW	6	0	4	53	47	0.82	
Hurst Castle ...	29.55	48	SW	5	0	29.39	- .25	48	43	0	WNW	6	0	4	53	45	0.03	
Dungeness ...	29.59	46	WNW	4	0	29.42	- .25	46	46	+ 2	WNW	5	1	4	53	43	0.14	
London ...	29.53	56	WNW	3	6	29.38	- .23	49	47	- 1	SW	3	op	*	61	46	0.02	
Oxford ...	29.49	47	SW	2	1	29.33	- .25	47	45	- 3	SSW	5	op	*	57	45	0.13	
Cambridge ...	29.49	52	SW	2	0	29.34	- .23	50	47	- 3	S	2	0	*	61	43	0.01	
Yarmouth ...	29.52	51	SSW	3	0	29.40	- .17	49	46	- 1	SSW	4	op	3	57	44	0.03	
Cuxhaven ...	29.62	45	SW	3	6	29.58	- .04	47	46	+ 5	SSE	1	0	*	51	?	-	
Berlin ...	29.63	55	SSE	3	6	29.71	- .12	50	46	+ 7	SE	1	6	*	63	?	-	
Wiesbaden ...	*	*	*	*	*	29.69	- .07	49	45	+ 2	WNW	1	6	*	68	41	-	
Munich ...	29.72	54	E	3	6	29.73	- .07	51	48	+ 7	SSE	2	0	*	64	41	-	
GERMANY.																		
The Helder ...	29.57	45	SW	3	6	29.47	- .12	48	48	+ 3	SSW	3	1	2	48	43	0.12	
Brussels ...	*	*	*	*	*	29.55	- .18	52	48	+ 6	S	5	0	*	60	?	-	
Cape Gris Nez...	29.62	46	WNW	4	1	29.45	- .23	47	46	+ 3	SW	7	1	5	48	43	0.16	
Paris ...	29.69	60	SW	3	6	29.63	- .18	47	44	+ 5	SW	4	6	*	65	?	-	
Brest ...	29.65	49	WNW	4	6	29.50	- .26	48	43	- 2	W	7	0	5	59	39	0.75	
Lorient ...	29.66	51	WNW	4	0	29.54	- .26	50	48	0	SW	5	0	5	54	46	0.04	
Rochefort ...	29.86	52	WNW	5	6	29.76	- .17	52	50	+ 2	WNW	5	0	2	61	45	-	
Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
Lyons ...	29.71	64	ENE	1	6	29.75	- .06	51	45	+ 2	ENE	1	6	*	69	44	-	
Nice ...	29.73	56	SSW	3	6	29.70	- .06	56	48	+ 5	E	3	6	1	66	48	-	
Perpignan ...	29.75	66	NW	1	6	29.71	- .11	59	53	+ 3	WNW	1	6	*	72	46	-	
Biarritz ...	29.82	55	WNW	3	6	29.79	- .17	51	46	+ 2	SW	4	6	0	57	46	-	
FRANCE & NETHERLANDS.																		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
Lisbon ...	29.89	55	WNW	4	6	29.84	- .13	52	48	- 1	N	4	0	2	68	48	-	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

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

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

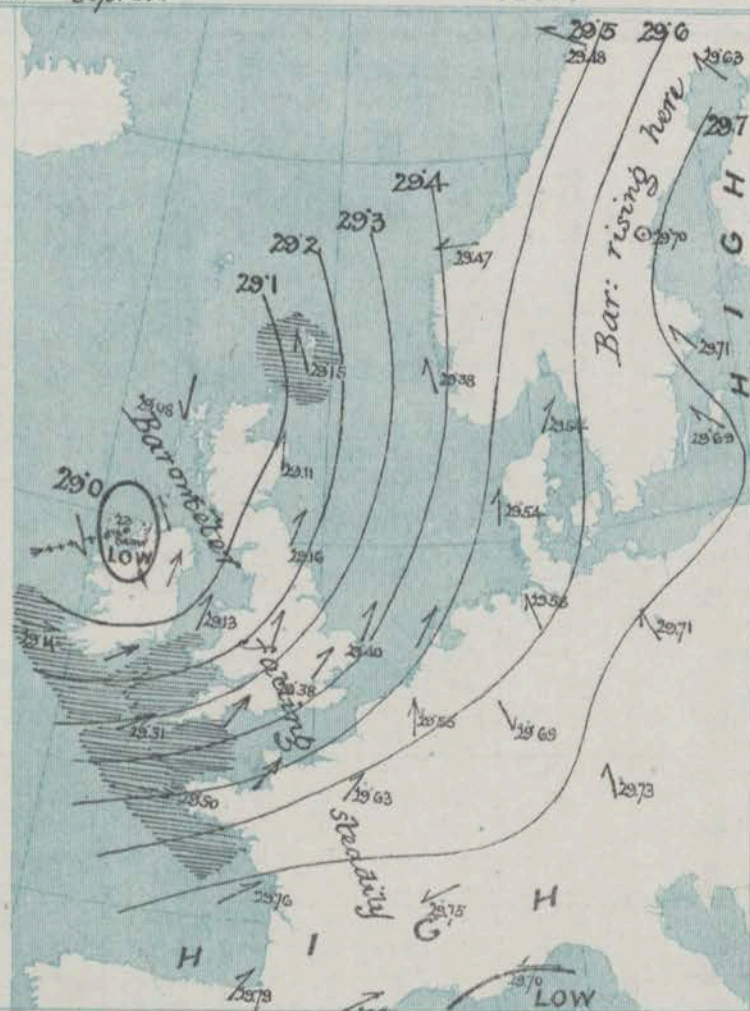
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 — forces above 10; — forces 8 to 10;
 — forces 5 to 7; — forces 1 to 4;
 ○ =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

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.888
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roshe's Point	29.841
Pembroke	29.847
Scilly	29.807
Hurst Castle	29.866
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.873



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

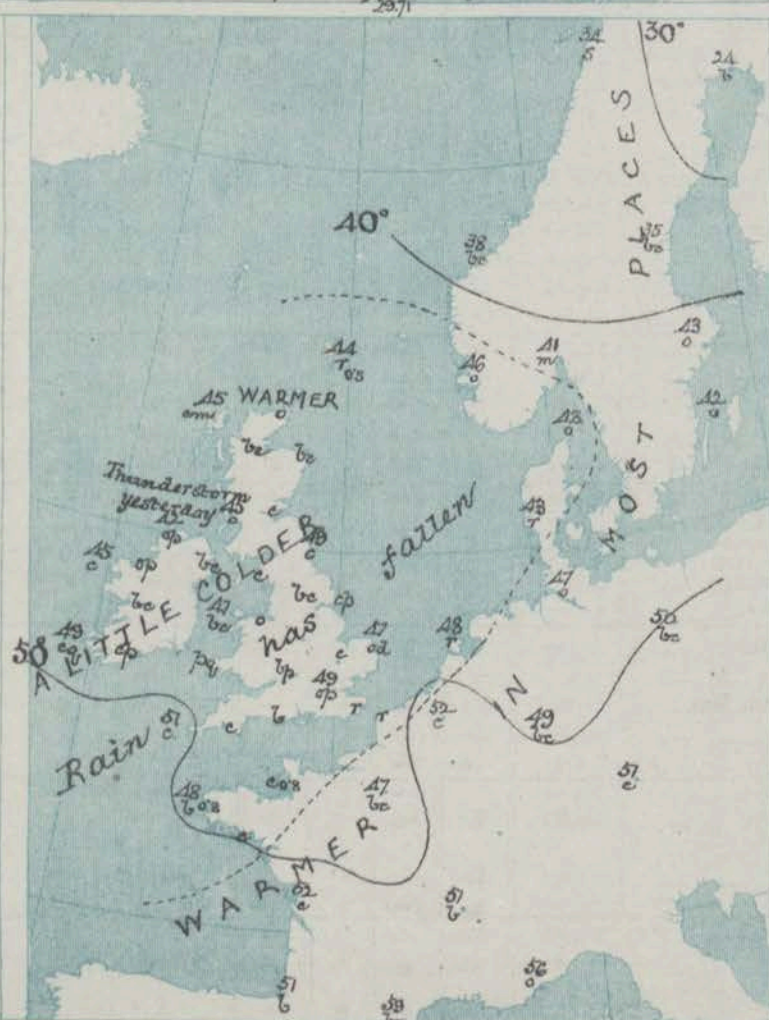
Temperature — Isotherms are drawn for each 10° Changes since previous morning are stated in words.
Weather — is shown by Letters of the Beaufort Scale.
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	All day Avg.	Wind	
Sumburgh Head	46.3	37.5	41.7	40.6	2.16
Stornoway	49.1	37.5	44.1	43.8	2.51
Wick	49.3	37.5	43.0	41.1	1.66
Nairn	51.6	38.4	43.4	40.8	1.23
Aberdeen	49.5	39.3	43.2	40.9	2.23
Leith	53.2	38.6	44.4	42.4	1.65
Shields	49.3	39.8	43.8	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.8	40.8	45.0	42.1	2.23
Donaghadee	51.8	40.3	45.0	43.4	2.02
Holyhead	52.3	43.1	46.4	44.5	1.86
Liverpool	58.8	41.0	46.0	43.1	1.56
Valencia	54.4	43.5	45.8	46.1	4.01
Roshe's Point	54.7	42.9	47.8	45.2	3.43
Pembroke	51.2	42.5	45.0	44.0	2.10
Scilly	52.7	45.5	49.2	47.4	2.45
Hurst Castle	51.9	42.1	45.1	43.9	1.87
Dover	51.5	42.6	44.4	43.8	1.81
LONDON	56.9	40.2	47.0	44.3	1.86
Oxford	54.9	39.6	44.9	43.0	1.79
Cambridge	56.3	38.4	45.6	43.5	1.76
Yarmouth	49.7	40.4	45.2	43.7	1.80

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1866—83.



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 29.8 in: and upwards, over the Iberian Peninsula, but relatively high 29.7 in: and upwards, over the Gulf of Bothnia. Lowest, 29.0 in: and less, in a small depression, the centre of which lies off the northwest of Ireland.
TEMPERATURE	Highest, 59° at Lerpigan, 56° at Årvi, 52° at Rochefort and Lilloe, and 51° at Lully, Biarritz, Lyons, and Munich. Lowest, 24° at Haparanda, 34° at Rode, 35° at Hvosni, and 38° at Christiansund; lowest in our Islands 42° at Malin Head.
WIND	Fresh or strong from W. or SW. over the south of our Islands and the north of France. Light or moderate from SE. over Scotland and the eastern shores of the North Sea. Light from the N. at Lornoway and Balmullet.
WEATHER	Showery over the greater part of Ireland and England, as well as on the eastern shores of the North Sea. Fine in most other localities, but snow reported at Rode. Thunder and lightning occurred last evening at Androsan and Malin Head.
SEA	Rough on our southwest coasts, and rather rough at Lumburgh Head, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past 24 hours the barometer has continued to fall at all but the Swedish stations, and during the night a new depression has appeared off the northwest of Ireland.

The high pressures recently noticed over Spain and the Bay of Biscay are giving way, and a new anticyclonic system is forming over Northern Europe, so that the general distribution of pressure is undergoing a change.

The depression off the NW. of Ireland is likely to move N^W or NE^W, but showery weather will probably continue for a time over the greater part of the United Kingdom.

FORECASTS

for the 24 hours ending at NOON on ⁴23rd April 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SE ² and S ² winds, moderate; fair generally, but some showers.	6 SCOTLAND WEST	SE ² and S ² winds, moderate or fresh; changeable, some showers.
1 SCOTLAND EAST	----- D ^o ----- D ^o ----- D ^o -----	7 ENGLAND N. W.	----- D ^o ----- D ^o ----- D ^o -----
2 ENGLAND N. E.	S ² winds, moderate or fresh; changeable, some showers.	8 ENGLAND S. W.	Same as N ^o 5
3 ENGLAND EAST	----- D ^o ----- D ^o ----- D ^o -----	9 IRELAND NORTH	S ² to W ² winds, fresh; changeable, showery.
4 MIDLAND COUNTIES	----- D ^o ----- D ^o ----- D ^o -----	10 IRELAND SOUTH	W ² winds, fresh or strong, squally showery.
5 ENGLAND SOUTH	SW ² winds, fresh or strong; changeable, some showers.	WARNINGS	NONE ISSUED.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.46	40	37	ESE 6	h	4	Holyhead ...	29.40	51	48	SSW 4	cg	4
Sumburgh Head ...	29.24	39	38	E 6	h	6	Valencia ...	29.38	51	47	WSW 5	c	5
Stornoway ...	29.15	50	48	S 4	cp	4	Sailly ...	29.57	55	53	W 4	c	4
Aberdeen ...	29.22	53	50	S 4	cp h	2	Dungeness ...	29.68	46	46	WSW 4	o	3
Shields ...	29.24	55	49	SW 3	cp	2	London ...	29.55	60	50	SW 4	c	*
Ardrossan ...	29.27	47	46	SW 4	o	3	Yarmouth ...	29.55	57	49	WSW 3	c	3
Malin Head ...	29.22	50	48	WNW 3	c	4	Jersey ...	29.67	49	49	W 3	f	3
Mullaghmore ...	29.27	48	44	W 2	cp v	2	Rochefort ...	29.93	60	52	rtw 4	o	2
Belmullet ...	29.32	49	45	SW 3	bc	*							

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

The reports for yesterday morning showed that the high pressure area noticed over the Bay of Biscay on Thursday had moved southwards to Spain, and that a new system had been developed over southeastern Europe, while a band of somewhat high readings lay over the eastern part of the North Sea and the south of Scandinavia. The low pressure areas off our NW coasts, over Finland, and over Algeria still held, but had all moved a little further to the eastward than they were on the previous day. SW winds, with mild and rather showery weather prevailed over the British Isles, the NW winds over Scandinavia had moderated and the weather improved, while the NE winds over France and Spain had lulled and become variable. Temperatures had undergone no important change and varied from about 60° over the western and south-eastern part of the Mediterranean, and from rather above 50° over Spain, the south of France and the shores of the Adriatic to between 45° and 52° over England and Ireland and to rather below the freezing point over Northern and Central Russia. The highest individual values were 61° at Barcelona, 60° at Oran (Algeria), 59° at Brindisi, (the Malta report had not arrived) 58° at Alicante, 57° at Cagliari, Livorno, and Bilbao, 56° at Naples, Rome, Perpignan, Belfort and Langouane, 53° at Shields, and 51° at Valencia; the lowest 25° at Uleaborg, 26° at Haparanda, 27° at Kuopio, 29° at Rode and St Petersburg, 30° at Moscow and 31° at Helsingfors.

During the ensuing twenty four hours the low pressure area in the northwest continued to spread eastwards, and the mild weather and showers became more general, while temperatures increased to above 60° over our southeastern coasts and to 72° at Perpignan.

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 24th April 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 3 p.m. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																			
Haparanda ..	29.89	27	Z	0	b	30.01	+ .36	36	33	+ .12	Z	0	o	*		26	18	—	
Hernösand ...	29.80	36	Z	0	o	29.84	+ .14	41	38	+ .6	Z	0	o	*		45	21	—	
Stockholm ...	29.77	40	S	2	o	29.83	+ .12	40	39	— 3	E	2	f	*		46	32	—	
Wisby ...	29.75	41	S	4	o	29.76	+ .07	45	46	+ .6	ESE	4	b	*		54	37	—	
Bodö ...	29.65	35	E	2	b	29.64	+ .16	39	36	+ .5	ENE	4	b	2		41	32	—	
Christiansund...	29.43	44	E	3	bc	29.39	— .08	30	45	+ .12	ENE	1	b	3		50	?	—	
Skudesnaes ...	29.38	44	SSE	6	r	29.39	+ .01	47	46	+ .1	SE	6	c	1		?	?	2.93	
Christiania Fjord (Færder)	29.58	44	ESE	4	r	29.60	+ .06	45	44	+ .4	SSE	4	bc	3		?	?	0.28	
Skagen (The Sound)	29.56	44	S	1	b	29.57	+ .03	44	43	+ .2	S	1	b	0		46	41	0.24	
Fanö ...	29.55	45	SSW	1	b	29.49	— .05	50	48	+ .6	S	4	b	*		54	41	0.16	
BRITISH ISLANDS.																			
Sumburgh Head	29.14	45	SSE	3	o	29.07	— .08	46	44	+ .2	SSE	4	bc	5		49	41	0.02	
Stornoway ...	29.05	41	W	2	d	29.02	— .06	42	41	— 3	W	4	cp	4		45	39	0.97	
Wick ...	29.03	48	S	1	o	29.03	— .03	45	42	— 1	S	5	bc	1		51	40	0.05	
Nairn ...	29.02	48	S	1	c	29.05	— .01	46	42	0	SSW	2	bc	2		51	35	—	
Aberdeen...	29.09	48	S	3	b	29.11	.00	46	44	0	S	3	c	1		52	40	—	
Leith ...	29.08	48	SSE	1	c	29.13	+ .02	46	43	0	W	1	cm	*		54	41	0.08	
Shields ...	29.14	49	SSW	2	cp	29.18	+ .02	41	39	— 8	S	3	c	2		54	37	0.04	
Spurn Head ...	29.24	52	SSW	5	bc	29.26	— .01	44	43	— 4	SSW	4	cp	3		58	41	0.28	
York ...	29.20	50	SSW	2	b	29.24	+ .01	46	43	+ .1	S	1	c	*		56	39	0.04	
Loughborough	29.26	51	S	4	c	29.28	— .01	43	40	— 6	SW	3	o	*		57	40	0.04	
GERMANY.																			
Ardrossan ...	29.05	46	SSW	3	cp	29.15	+ .07	45	43	0	WNW	3	op	2		49	40	0.30	
Malin Head ...	29.06	45	N	3	o	29.20	+ .20	42	40	0	WNW	4	opq	5		49	40	0.08	
Mullaghmore ...	29.06	48	WNW	3	bcv	29.32	+ .33	42	40	— 2	N	6	pq	5		51	39	0.21	
Belmullet ...	29.11	47	N	3	c	29.41	+ .40	42	38	— 3	WNW	6	b	*		48	39	0.21	
Donaghadee ...	29.06	48	SSW	3	bc	29.20	+ .16	43	42	— 1	WNW	5	c	3		49	38	0.47	
FRANCE & NETHERLANDS.																			
Barrow-in-Farness	29.15	46	S	4	bc	29.19	+ .03	41	40	— 5	SW	3	r	*		52	40	0.27	
Liverpool (Bidston)	29.18	49	SW	5	bc	29.22	+ .04	44	40	— 2	SW	2	o	3		54	37	—	
Holyhead ...	29.15	45	SSW	5	bcq	29.22	+ .09	43	42	— 4	WNW	3	cp	3		51	41	0.15	
Parsonstown ...	29.12	48	WSW	1	o	29.33	+ .24	44	41	— 2	WNW	1	q	*		52	38	0.26	
Valencia ...	29.16	48	WSW	4	c	29.50	+ .36	44	41	— 5	WNW	6	cp	6		52	42	0.17	
Roche's Point...	29.17	48	WSW	5	b	29.26	+ .20	46	43	— 1	WNW	4	c	4		50	41	0.08	
Pembroke ...	29.23	46	SSW	5	bc	29.30	+ .11	45	43	— 2	WNW	4	bc	4		50	42	0.07	
Scilly ...	29.28	47	WSW	5	op	29.37	+ .06	48	46	— 3	W	5	cp	6		54	39	0.08	
Prawle Point ...	29.34	46	SW	5	o	29.37	+ .02	45	43	— 4	W	4	b	?		53	35	0.49	
Jersey ...	29.44	48	W	4	cp	29.42	— .03	47	44	— 3	W	6	bcv	5		57	43	0.30	
Hurst Castle ...	29.29	48	SW	6	c	29.39	.00	44	44	— 4	WNW	4	bcq	4		52	41	0.12	
Dungeness ...	29.42	48	WSW	4	c	29.38	— .04	46	45	0	WSW	5	c	3		52	44	0.10	
London ...	29.38	52	SW	3	b	29.24	— .04	48	46	— 1	S	3	cp	*		59	40	0.16	
Oxford ...	29.24	47	WSW	4	c	29.31	— .02	40	39	— 7	SW	1	p	*		55	39	0.19	
Cambridge ...	29.32	50	S	1	b	29.31	— .03	47	44	— 3	S	2	op	*		59	40	0.18	
Yarmouth ...	29.26	50	S	4	bc	29.35	— .05	46	44	+ .2	SW	5	bc	3		56	44	0.02	
Cuxhaven ...	29.54	50	WSW	2	b	29.57	— .01	48	46	+ .1	SSW	3	b	*		52	44	—	
Berlin ...	29.62	61	SE	2	bc	29.69	— .02	56	49	+ .6	S	1	c	*		68	34	—	
Wiesbaden ...	*	*	*	*	*	29.67	— .02	49	44	0	SW	1	b	*		68	43	—	
Munich ...	29.69	57	SW	5	r	29.75	+ .02	51	50	+ .4	SSE	2	c	*		66	46	—	
PENINSULA.																			
The Helder ...	29.48	48	SW	3	r	29.44	— .03	50	47	+ .2	SSW	5	bc	3		54	45	0.16	
Brussels ...	*	*	*	*	*	29.52	— .03	52	48		S	4	c	*		60	47	—	
Cape Gris Nez...	29.44	50	SW	5	b	29.42	— .03	48	46	+ .1	WSW	7	c	5		52	43	0.12	
Paris ...	29.56	57	SW	7	bc	29.60	— .03	49	47	+ .2	SW	4	c	*		61	?	0.04	
Brest ...	29.47	47	SSW	5	a	29.47	— .03	46	44	— 2	WNW	5	o	5		57	39	0.12	
Lorient ...	29.50	50	SW	5	o	29.47	— .07	48	46	— 2	W	8	o	7		55	43	0.12	
Rochefort ...	29.73	55	WSW	7	bc	29.72	— .04	52	49	0	W	7	bc	2		57	46	—	
Belfort ...	29.64	61	W	1	bc	29.76		58	51		W	1	bc	*		70	32	—	
Lyons ...	29.62	64	S	1	c	29.69	— .06	58	49	+ .7	SSW	3	o	*		71	50	—	
Nice ...	29.70	57	Z	0	bc	29.79	+ .09	57	48	+ .1	E	1	b	0		66	50	—	
Perpignan ...	29.67	60	E	3	o	29.74	+ .03	55	54	— 4	W	3	o	*		70	49	—	
Biarritz ...	29.77	56	W	3	c	29.79	.00	53	48	+ .2	WNW	4	o	2		59	48	—	
Corunna ...	*	*	*	*	*	29.95	+ .14	61	48	+ .2	SW	4	o	3		?	37	0.04	
Lisbon ...	29.82	55	NNW	7	b	29.90	+ .08	55	51	+ .3	N	4	bc	2		66	52	—	

For Explanation of Columns, see p. 4.

WEATHER

CHARTS

for 8 a.m. on

Sunday

24th April

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

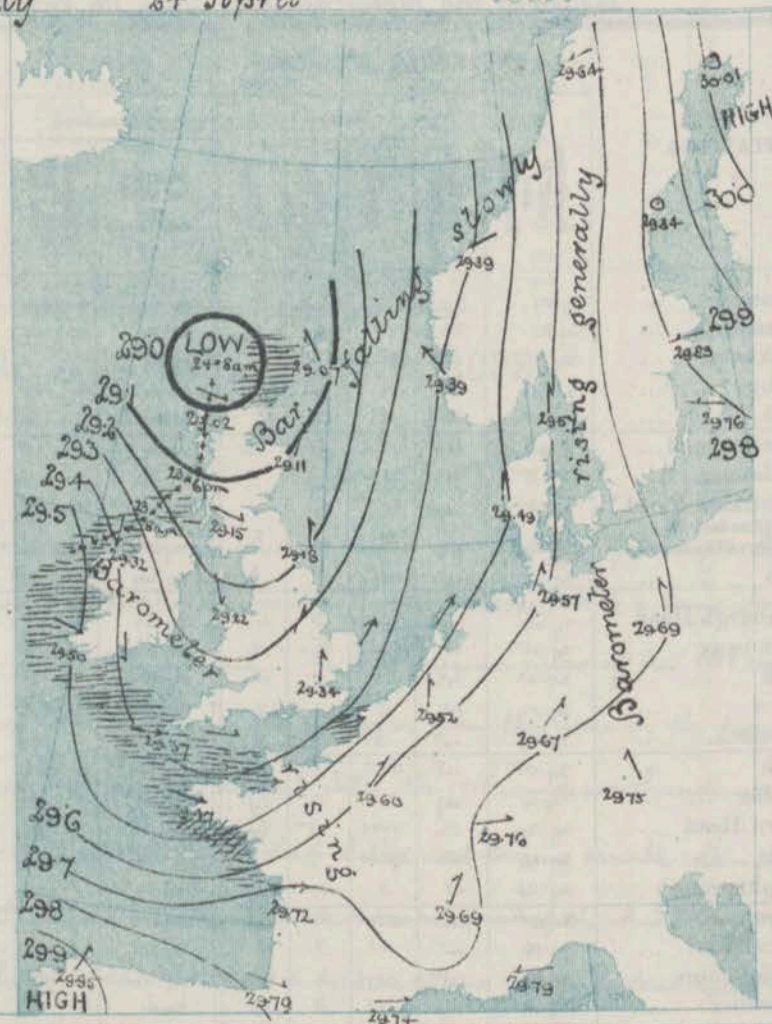
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 — = forces above 10; — = forces 8 to 10;
 — = forces 5 to 7; — = forces 1 to 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 April.
 During the 10 Years 1871–1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.838
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Silly	29.867
Hurst Castle	29.866
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.878



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

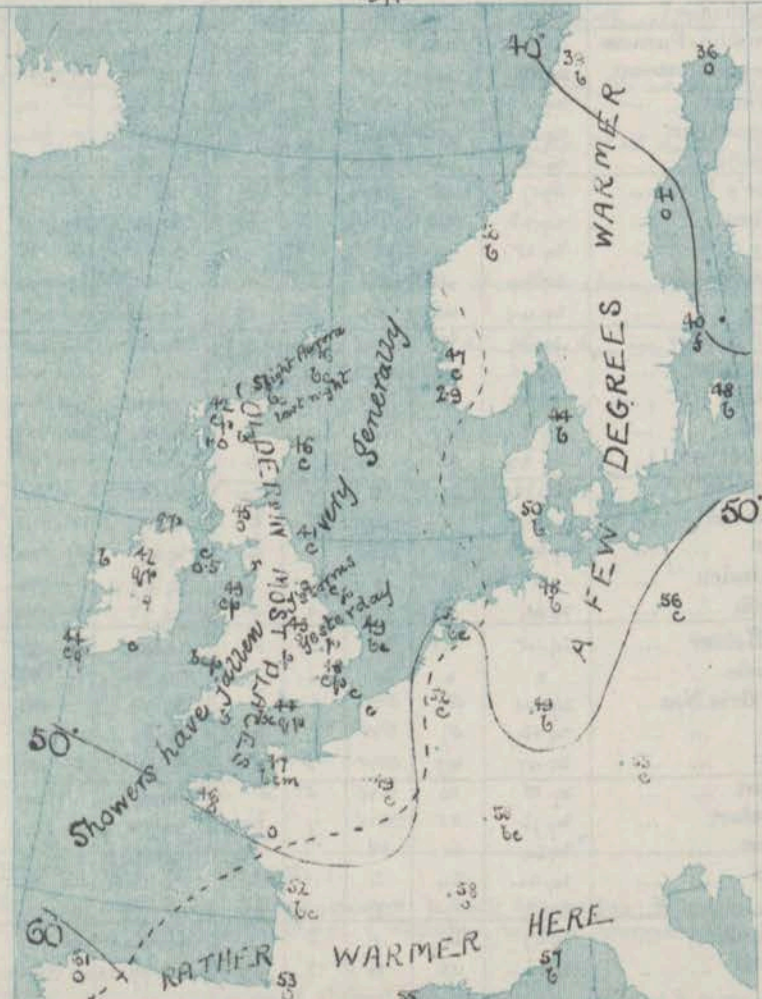
Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.
Weather — is shown by letters of the Beaufort Scale.
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.	At 4 p.m.	
Sumburgh Head	46.3	37.5	41.7	40.6	2.16
Stornoway	40.1	37.5	44.1	42.3	2.51
Wick	49.3	37.6	43.0	41.1	1.56
Nairn	51.6	38.4	43.4	40.8	1.23
Aberdeen	49.5	39.3	43.2	40.9	2.23
Leith	53.2	38.6	44.4	42.4	1.65
Shields	49.3	39.8	43.8	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.8	40.8	45.0	42.1	2.23
Donaghadee	51.8	40.3	45.0	43.4	2.02
Holyhead	52.3	43.1	46.4	44.5	1.86
Liverpool	53.3	41.0	46.0	43.1	1.56
Valencia	54.4	43.5	48.8	46.1	4.01
Roche's Point	54.7	42.9	47.3	45.2	3.43
Pembroke	51.2	42.5	45.9	44.0	2.10
Silly	52.7	45.5	49.2	47.4	2.45
Hurst Castle	51.9	42.1	45.1	43.9	1.87
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	56.9	40.2	47.0	44.3	1.88
Oxford	54.9	39.6	44.9	43.0	1.79
Cambridge	56.3	38.4	45.6	43.5	1.76
Yarmouth	49.7	40.4	45.2	43.7	1.80

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, 30.0 in. and upwards, over the Gulf of Bothnia, and 29.9 in. and upwards, over Portugal. Lowest, 29.0 in. and less, in a depression which is lying off the north of Scotland. Shallow secondary disturbances are found over various parts of Great Britain.
TEMPERATURE	Highest, 61° at Corunna, 58° at Belfort and Lyons, 57° at Kiev, 56° at Berlin and 55° at Linsow and Linsigman. Lowest, 36° at Haparanda, 39° at Bodo, 40° at Stockholm and Oxford, and 41° at Hovsund and Shields.
WIND	Fresh or strong from NW. or W. on our west and northwest coasts. Moderate from SW. or S. in the eastern parts of Great Britain. Moderate from E. or SE. over Scandinavia.
WEATHER	Showery in our islands, but fine at most of the Continental stations. Since yesterday morning showers have fallen generally, and thunder has occurred at some of the English stations.
SEA	Rough or rather so on many parts of our west and south coasts, as well as at Lumburg Head.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression whose centre lay yesterday morning off the northwest of Ireland is now moving away to the northward of Scotland, but some secondary disturbances have advanced over our islands from the westward, and the barometer therefore continues to fall at all our more eastern stations. In the west, however, a steady rise is in progress.

FORECASTS

For the 24 hours ending at NOON on 25th April 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.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.39	46	45	SE	1	4	Holyhead ...	29.13	48	45	SSW	5	4
Sumburgh Head ...	29.14	46	45	SSE	3	5	Valencia ...	29.15	52	46	WSW	6	6
Stornoway ...	29.08	42	42	N	1	1	Scilly ...	29.42	51	48	SW	5	5
Aberdeen ...	29.11	50	46	S	5	2	Dungeness ...	29.42	51	49	WSW	5	4
Shields ...	29.14	48	45	SSW	3	2	London ...	29.36	50	49	WSW	5	4
Ardrossan ...	29.05	44	43	Z	0	2	Yarmouth ...	29.35	51	48	SSW	5	4
Malin Head ...	29.02	46	45	NE	3	2	Jersey ...	29.46	56	50	SW	4	4
Mullaghmore ...	29.03	50	47	NW	2	2	Rochefort ...	29.75	56	52	SW	8	2
Belmullet ...	29.07	48	45	NW	3	*							

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

The Reports for yesterday (Saturday) showed that pressure varied from between 30.22 ins. and 30.24 ins. over the south of Russia to about 29.7 ins. over the eastern parts of the Mediterranean, and to 29.0 ins. over the north of Ireland, where there was a depression moving slowly to the NE^{wt}. SW^{wt} winds, fresh to strong in force, prevailed over the whole of Western Europe, SE winds over the Baltic and Scandinavia, and a slight N^{wt} breeze both in the Hebrides, and on the northern shores of the Mediterranean. The weather was showery both in the Mediterranean and over the United Kingdom; snow fell in the northwest of Norway, and thunder had occurred in the north of Ireland. In France, Germany, Russia, and the Baltic the weather was fine. Temperature was rather higher than at 8 am on the 22nd, though, owing to the prevalence of cloud and showers, its diurnal range was in most places reduced. The morning readings varied from 60° or more in several parts of the Mediterranean, and nearly 60° in the south of France, to between 43° and 51° over the British Isles, and to somewhat below the freezing point over Northern Russia. The highest individual readings were 64° at Palma, 61° at Algiers, Brindisi and Constantinople (the Malta report was not in) 60° at Monaco and Livorno, 59° at Oporto and Perpignan, 58° at Livorno, 57° at Naples, Cagliari and Rome, 54° at Hermannstadt and Budapesth and 51° at Scilly; the lowest 27° at Haparanda and Kuopio 28° at Uleaborg, 29° at Archangel and 33° at St Petersburg.

During the day the depression in the northwest moved a little to the northeastward, and subsidiary disturbances caused an increase of squally, showery weather over the United Kingdom with SW^{wt} winds.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

* 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 25th April

1887.

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

Issued by the Meteorological Office, No. 1, Victoria Street, London, W. 1. 1881, 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.	
			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.	Force. (0 to 12.)				Max.	Min.		
SCANDINAVIA.	Inch.	°	Dir.	Force.		Inch.	Inch.	°	°	°	Dir.	Force.			°	°	Inch.	
Haparanda ..	30.02	38	SE	2	0	30.12	+ 1.1	39	36	+ 3	SE	2	0	*	39	25	-	
Hernösand ...	29.91	34	SE	2	0	29.91	+ 0.7	42	40	+ 1	E	2	0	*	46	34	-	
Stockholm ...	29.84	44	SE	2	0	29.84	+ 0.1	46	46	+ 6	ESE	2	0	*	57	34	0.04	
Wisby ...	29.75	49	SE	4	bc	29.76	0.0	54	52	+ 1	S	4	6	*	56	36	-	
Bodö ...	29.71	44	ESE	2	bc	29.71	+ 0.7	46	42	+ 7	E	5	0	3	46	37	0.04	
Christiansund...	29.40	53	ESE	4	bc	29.45	+ 0.6	53	44	+ 3	SE	4	6	2	57	46	-	
Skudesnaes ...	29.45	44	SSE	8	bc	29.60	+ 2.1	44	42	- 3	SSE	7	0	5	50	?	-	
Christiania Fjord (Perder)	29.63	46	SW	4	0	29.71	+ 1.1	44	42	- 1	SW	4	6	3	48	43	0.89	
Skagen (The Scaw)	29.63	45	S	1	0	29.76	+ 1.9	48	43	- 1	WSE	1	6c	1	52	41	0.16	
Fanö ...	29.62	45	S	4	6	29.77	+ 2.8	48	45	- 2	SW	4	6	*	57	41	-	
BRITISH ISLANDS.																		
Sumburgh Head	29.11	46	SSE	3	c	29.16	+ 1.9	42	38	- 4	SSE	4	c	4	48	40	0.04	
Stornoway ...	29.11	41	SW	5	6	29.00	- 0.2	38	38	- 4	W	7	2q	6	47	34	0.46	
Wick ...	29.13	43	W	1	c	29.74	+ 2.1	43	38	- 2	S	6	6	3	53	38	-	
Nairn ...	29.19	43	W	5	c	29.28	+ 2.3	43	38	- 3	WSE	4	6c	5	51	34	0.01	
Aberdeen...	29.21	42	WSE	2	0	29.41	+ 3.0	42	39	- 4	SW	6	6c	2	52	33	0.34	
Leith ...	29.29	48	W	3	c	29.48	+ 3.5	40	37	- 6	SW	3	c	*	54	35	0.05	
Shields ...	29.29	50	SW	3	c	29.55	+ 3.7	41	39	0	SW	3	c	2	50	34	0.01	
Spurn Head ...	29.39	48	WSE	4	6c	29.61	+ 3.5	45	44	+ 1	S	5	6c	2	53	39	0.02	
York ...	29.38	46	WSE	3	0	29.58	+ 3.4	42	40	- 4	S	3	0	*	54	34	-	
Loughborough	29.46	45	WSE	3	c	29.66	+ 3.8	44	40	+ 1	SW	4	c	*	53	35	0.04	
Ardrossan ...	29.33	42	WSE	3	c	29.46	+ 3.1	43	40	- 2	SW	4	c	3	50	36	0.02	
Malin Head ...	29.33	37	WSE	3	0	29.47	+ 2.7	40	38	- 2	W	3	0	3	44	34	0.11	
Mullaghmore ...	29.44	41	WSE	5	c	29.56	+ 2.4	44	39	+ 2	NW	6	c	5	45	35	0.08	
Beltmullet ...	29.47	41	WSE	6	c	29.62	+ 2.1	39	38	- 3	NW	3	c	*	48	36	0.06	
Donaghadee ...	29.53	44	WSE	5	6c	29.53	+ 3.3	40	38	- 3	WSE	4	6c	2	48	34	0.02	
GERMANY.																		
Barrow-in-Furness	29.40	44	NW	3	6c	29.52	+ 3.3	39	38	- 2	NW	3	0	*	48	38	0.10	
Liverpool (Bidston)	29.46	44	W	4	c	29.52	+ 3.0	39	38	- 5	S	2	0	4	49	37	0.04	
Holyhead ...	29.46	45	WSE	3	6c	29.59	+ 3.7	41	39	- 2	W	4	6c	3	51	36	0.25	
Parsonstown ...	29.56	42	SW	1	c	29.64	+ 3.1	43	40	- 1	W	0	6	*	49	31	0.14	
Valencia ...	29.56	42	W	5	0	29.72	+ 2.2	45	42	+ 1	WSE	3	6c	4	51	34	0.38	
Roche's Point...	29.56	47	W	4	6c	29.68	+ 3.2	42	39	- 4	NW	3	6	3	50	35	0.18	
Pembroke ...	29.56	45	WSE	3	6c	29.68	+ 3.3	43	39	- 2	WSE	4	6c	5	48	39	0.04	
Scilly ...	29.63	48	WSE	6	c	29.74	+ 3.7	45	43	- 3	NW	2	0	5	50	42	0.09	
Prawle Point ...	29.60	47	W	3	6c	29.75	+ 3.8	42	41	- 3	WSE	3	0	3	51	37	0.18	
Jersey ...	29.66	50	W	4	6	29.79	+ 3.7	48	46	+ 1	SW	5	c	4	52	47	-	
FRANCE & NETHERLANDS.																		
Hurst Castle ...	29.58	49	WSE	7	6c	29.74	+ 3.5	43	43	- 1	W	6	q/p	4	51	42	0.06	
Dungeness ...	29.55	47	W	6	c	29.77	+ 3.9	47	46	+ 1	WSE	5	c	4	50	44	0.02	
London ...	29.53	48	WSE	2	c	29.73	+ 3.9	48	44	0	SW	4	6c	*	55	40	0.25	
Oxford ...	29.57	44	W	2	6	29.68	+ 3.7	43	42	+ 3	SW	4	p	*	53	38	0.09	
Cambridge ...	29.58	50	S	2	6c	29.70	+ 3.9	48	44	+ 1	S	2	c	*	55	36	0.28	
Yarmouth ...	29.46	48	WSE	4	c	29.72	+ 3.7	48	45	- 1	SW	3	6c	3	53	41	0.12	
Cuxhaven ...	29.65	49	W	3	6	29.81	+ 2.4	50	48	+ 2	S	2	6	*	59	47	-	
Berlin ...	29.70	63	W	0	0	29.90	+ 2.1	54	50	- 2	WSE	2	0	*	73	52	0.04	
Wiesbaden ...	*	*	*	*	*	29.97	+ 3.0	51	47	+ 2	SW	3	6	*	70	43	0.16	
Munich ...	29.76	59	W	5	0	30.03	+ 2.8	49	48	- 6	SW	2	0	*	64	48	0.04	
SPAIN.																		
The Helder ...	29.59	46	SW	3	6	29.77	+ 3.3	46	45	- 4	SW	5	0	3	54	43	0.04	
Brussels ...	*	*	*	*	*	29.87	+ 3.5	48	46	- 4	SW	4	c	*	62	43	0.08	
Cape Gris Nez...	29.60	46	W	7	6	29.76	+ 3.4	46	44	- 2	WSE	7	6c	5	52	43	-	
Paris ...	29.72	57	SW	5	6c	29.94	+ 3.4	47	45	- 2	SW	3	6c	*	63	41	-	
Brest ...	29.75	49	WSE	7	6c	29.81	+ 3.4	45	45	- 1	W	7	0	5	57	39	0.04	
Lorient ...	29.82	50	NW	4	6c	29.87	+ 4.0	46	44	- 2	SW	5	6	5	54	43	0.04	
Rochefort ...	29.89	53	W	8	6	30.03	+ 3.1	49	47	- 3	W	4	6	2	57	43	0.12	
Belfort ...	29.84	60	W	1	6c	30.02	+ 2.6	52	47	- 6	W	1	6c	*	69	40	0.04	
Lyons ...	29.85	51	W	1	0	30.04	+ 3.5	46	43	- 2	NW	7	6	*	66	43	0.47	
Nice ...	29.85	56	E	1	6c	29.94	+ 1.5	54	53	- 3	W	0	6	0	63	48	-	
Perpignan ...	29.88	57	SE	3	6	30.02	+ 2.8	53	48	- 11	W	0	0	*	65	48	0.08	
Biarritz ...	29.95	58	W	5	6c	30.06	+ 2.7	50	46	- 3	SW	4	6	3	57	45	-	
PORTUGAL.																		
Corunna ...	*	*	*	*	*	29.98	+ 0.3	51	50	- 10	WSE	3	6c	2	57	41	-	
Lisbon ...	30.03	54	N	5	6	30.13	+ 2.3	53	46	- 2	WSE	4	6	2	63	48	-	

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

WEATHER CHARTS

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

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

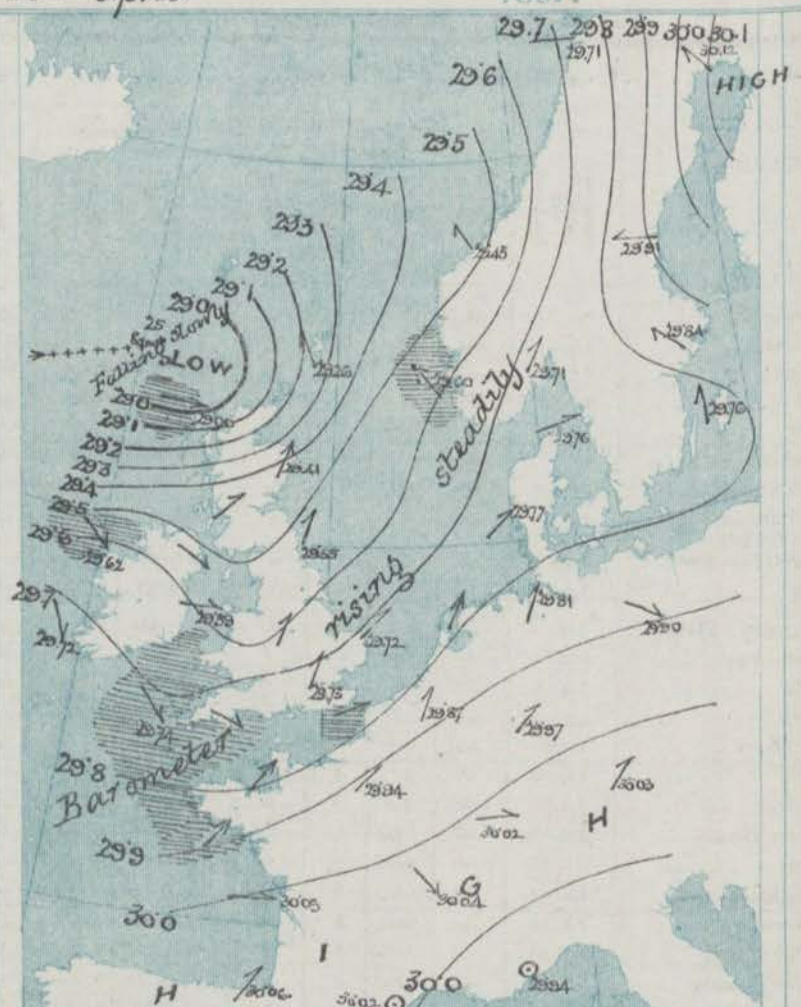
→ — forces above 10; → — forces 8 to 10;
→ — forces 5 to 7; → — forces 1 to 4;
○ — dead calm.

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS
	in.
Samburgh Head	29.833
Stornoway	29.806
Wick	29.838
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Scilly	29.867
Hurst Castle	29.866
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.878



GENERAL SITUATION AT 8 A.M.

PRESSURE.	Highest, 30.1 in. and upwards, over Portugal and also over the Gulf of Bothnia. Lowest, 29.0 in. and less, in a depression, the centre of which is lying a little to the northward of the Hebrides. Shallow secondary disturbances are passing across Ireland and England.
TEMPERATURE	Highest, 54° at Wiesbaden, Berlin, and Aix, and 53° at Christiansund, Lerpignan and Suresne; highest in our Islands 48° in the SE. of England. Lowest, 38° at Stromsøy, and 39° at Haparanda, Behmullet, Barrow in Fennoscandia and Liverpool.
WIND	Moderate from NW. on our west and southwest coasts, and from SW. over France, and the south-east of England. Fresh S. over the North Sea, strong from the same quarter in the east and north of Scotland. Moderate from E. or SE. in Scandinavia.
WEATHER	Fine at many of the Continental stations, but changeable and showery over the greater part of our Islands. [During yesterday heavy showers fell generally, and thunder was heard in London as well as at some of the French stations.]
SEA	Rough at Stromsøy, and rather rough on our southwest coasts, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay off the north of Scotland yesterday morning has travelled away from our area, but in the course of the night a new disturbance has appeared near the Hebrides, while some secondary systems have advanced over Ireland and England.

The depression in the north will probably move away in a north-easterly or northerly direction, but conditions remain favourable for the advance of further subsidiary disturbances from the westward.

FORECASTS

For the 24 hours ending at NOON on 26th April 1887.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
* 0 SCOTLAND NORTH	S ^W and S ^W winds, strong to a gale, squally, some rain.	6 SCOTLAND WEST	S ^W and W ^W winds, freshening, squally, showery.
1 SCOTLAND EAST	S ^W and S ^W winds, fresh or strong; fair generally, but some showers.	* 7 ENGLAND N. W.	D ^o D ^o D ^o
2 ENGLAND N. E.	D ^o D ^o D ^o	* 8 ENGLAND S. W.	W ^W and NW ^W winds, moderate to strong, changeable, some showers.
3 ENGLAND EAST	S ^W winds, moderate or fresh, changeable, some showers.	9 IRELAND NORTH	D ^o D ^o D ^o
4 MIDLAND COUNTIES	D ^o D ^o D ^o	* 10 IRELAND SOUTH	D ^o D ^o D ^o
* 5 ENGLAND SOUTH	S ^W and W ^W winds, strong and squally, changeable, some showers.	WARNINGS	The south cone was hoisted last evening in districts 5, 8, 10, and part of 7, and this morning in district 0. An asterisk is inserted against those districts in which the signals are not flying.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.37	49	44	SSE 6	0	5	Holyhead ...						
Sumburgh Head							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						*
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rochefort ...	29.81	57	50	W 8	c	3
Belmullet ...													

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

Yesterday morning's reports showed that while pressure exceeded 30 ins over nearly the whole of Russia, whence it decreased in a westerly direction to 29 ins off our extreme northern coasts, the barometer had begun to rise again over Ireland and the south-west of England, and gradients for W. winds were appearing in those regions. S. and S.E. winds and showery weather were chiefly prevalent over Western and North-western Europe, but in Ireland and the western parts of Great Britain the wind was veering to W. or N. quickly, and was blowing very strongly in the more exposed places. The weather was very showery except in the far south and over Germany, and thunder had occurred in a few localities. Temperature had risen decidedly over Algeria and also over Central and Eastern Europe, where the S. wind prevailed, but had begun to fall on our north-western coasts. It rained from 60° and upwards over all the southern parts of the Mediterranean, and from upwards of 50° over Austria and Germany, to but very little above 32° over Central and Northern Russia. The highest individual values were 70° at Algiers, 65° at Palma, 61° at Lisbon, Corunna and Brindisi, 60° at Malta and Livorno, 57° at Langensand, Seima and Hermanstadt, 59° at Carlsruhe and 54° at Muench; the lowest 33° at Kuopio, 36° at Haparanda, St. Petersburg and Moscow.

Throughout the day changeable showery weather continued over Western Europe, with thunder in places; temperature did not rise to 60° in any part of our islands, but reached 66° at Lyons, 68° at Munich, 70° at Wiesbaden and 73° at Berlin.

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

FROM THE 17TH TO THE 23RD APRIL 1887.

During the past week a gradual but decided change in the weather has taken place over our islands and their immediate neighbourhood.

At the commencement of the period a large anticyclone lay over the greater part of Western Europe, its central area (in which readings exceeded 30 ins) being found over the Netherlands and the south-east of England. Light E. breezes consequently prevailed in the south, fresh S.E. breezes in the extreme west and moderate S.W. breezes in the north, with fair, but hazy, weather in all places.

During the latter hours of Sunday, however, a general fall of the barometer set in, and this continued steadily until nearly the close of the week. At first the only effect of the fall was a reduction in the height of the anticyclone, but on Monday the 18th the highest pressures were transferred to our south-west coasts, while on the following day this preceded southwards to the Bay of Biscay and Spain in which position they remained throughout the remainder of the week. Winds from the N. or S.W. consequently spread over the United Kingdom from the northward with unsettled showery weather, and two depressions of some importance were observed.

The first advanced to our extreme north-western coasts on the night of the 20th, and after moving slowly northwards along the west coast of Scotland finally dispersed on the evening and night of the 22nd. Strong winds were occasioned, — from S.W. in Ireland, and from S.E. in Scotland, with heavy rain in many parts of those countries.

The second appeared off the north-west of Ireland on the night of the 22nd and then moved slowly in a north-north-easterly direction along the west coast of Scotland. In the east the winds experienced were scarcely so strong as in the former instance, but showers fell generally and steady rain at many of our western and northern stations.

Temperature has not differed materially from the mean, but at the commencement of the week the nights were very cold and in the early morning of the 18th the thermometer on the grass in London fell to 18°.

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 26th April

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	30.14	41	SE	4	0		30.17	+ .05	38	36	- 1	E	2	0	*		45	36	-
Hernösand	29.99	38	Z	0	f		30.12	+ .21	39	39	- 3	Z	0	f	*		46	30	0.28
Stockholm	29.99	49	Z	0	f		30.08	+ .24	54	51	+ 8	NE	2	f	*		55	43	0.08
Wisby	29.95	41	W	4	0		29.99	+ .23	44	44	- 10	NE	4	f	*		61	32	-
Bodö	29.79	46	E	4	r		29.96	+ .25	45	41	- 1	ENE	2	b	1		50	39	0.08
Christiansund	29.75	46	E	3	bc		29.82	+ .37	52	42	- 1	ESE	6	b	3		52	41	-
Skudesnaes	29.75	44	SSE	8	0		29.80	+ .20	46	42	+ 2	SE	6	0	4		48	43	-
Christiania Fjord (Fæder)	29.91	45	S	2	0		29.99	+ .28	42	41	- 2	ESE	4	c	2		48	39	-
Skagen (The Scaw)	29.95	42	Z	0	b		29.95	+ .19	47	44	+ 4	S	3	0	2		50	37	0.04
Faro	29.95	42	S	2	c		29.88	+ .11	50	48	+ 2	S	4	c	*		52	41	-
BRITISH ISLANDS.																			
Sumburgh Head	29.43	43	S	5	b		29.63	+ .37	42	38	0	SSE	3	bsp	4		47	36	0.04
Stornoway	29.46	37	W	4	cpr		29.57	+ .47	37	36	- 1	SSW	3	c	3		44	32	0.39
Wick	29.50	42	W	6	bc		29.61	+ .37	41	38	- 2	S	4	b	2		48	35	-
Nairn	29.50	40	W	3	bc		29.59	+ .31	38	36	- 5	Z	0	0	0		48	28	-
Aberdeen	29.53	48	WSW	4	b		29.65	+ .24	41	39	- 1	S	4	r	1		50	32	-
Leith	29.60	47	NW	2	bc		29.57	+ .09	41	38	+ 1	SE	2	c	*		50	33	0.02
Shields	29.65	48	WSW	3	c		29.65	+ .10	40	38	- 1	S	4	c	2		48	34	-
Spurn Head	29.73	47	W	4	bc		29.83	+ .22	46	42	+ 1	SSW	5	b	3		51	36	-
York	29.71	48	W	3	b		29.76	+ .18	42	39	0	S	3	0	*		50	30	-
Loughborough	29.75	47	WSW	3	c		29.83	+ .17	44	41	0	SW	5	og	*		52	31	-
Ardrossan	29.62	41	SW	4	bcpr		29.49	+ .03	41	40	- 2	ESE	2	0	2		47	35	0.19
Malin Head	29.60	42	W	3	bcpr		29.56	+ .09	40	38	0	WNW	3	opng	3		45	33	0.10
Mullaghmore	29.67	43	WSW	4	c		29.66	+ .10	40	37	- 4	WNW	4	cp	4		45	33	0.47
Belmullet	29.67	44	SSW	3	rg		29.69	+ .07	39	37	0	WSW	2	c	*		49	32	0.83
Donaghadee	29.67	44	WSW	4	bc		29.58	+ .05	37	37	- 3	W	6	0	4		49	35	0.28
GERMANY.																			
Barrow-in-Farress	29.72	42	SW	4	c		29.72	+ .07	41	38	+ 2	S	7	og	*		46	37	0.07
Liverpool (Bidston)	29.74	44	W	4	b		29.72	+ .20	40	37	+ 1	WSW	5	0	4		48	35	0.04
Holyhead	29.75	42	WSW	3	bc		29.70	+ .11	44	40	+ 3	W	6	bcg	5		48	38	0.18
Parsonstown	29.75	44	W	1	c		29.72	+ .08	41	38	- 2	SW	1	og	*		47	32	0.24
Valencia	29.81	47	WSW	5	cp		29.78	+ .06	43	40	- 2	NW	4	cpq	5		49	37	0.29
Roche's Point	29.81	48	W	4	b		29.76	+ .08	43	41	+ 1	WSW	3	cp	4		49	37	0.15
Pembroke	29.82	44	W	4	b		29.80	+ .12	42	40	- 1	W	4	bc	5		47	40	0.22
Scilly	29.83	46	W	5	c		29.87	+ .13	46	45	+ 1	SW	6	op	6		48	42	0.05
Prawle Point	29.87	44	WSW	3	bc		29.92	+ .17	47	43	+ 5	SSW	6	c	5		49	38	-
Jersey	29.89	44	WNW	3	bc		30.02	+ .23	48	45	0	SW	4	bm	4		50	40	0.29
Hurst Castle	29.85	42	WNW	4	bcpr		29.97	+ .23	46	45	+ 3	WSW	6	bc	4		49	38	0.03
Dungeness	29.77	45	WNW	3	r		29.97	+ .20	47	45	0	WNW	4	c	3		52	39	0.03
London	29.81	44	SSW	2	c		29.94	+ .21	46	42	- 2	SSW	3	b	*		51	24	0.14
Oxford	29.92	40	WNW	1	b		29.91	+ .23	44	41	+ 1	SW	4	bcg	*		50	33	0.01
Cambridge	29.92	45	SSW	1	c		29.91	+ .21	45	42	- 3	SW	2	b	*		53	30	0.02
Yarmouth	29.77	45	W	3	or		29.91	+ .19	45	42	- 3	SW	3	b	2		51	33	0.25
Cuxhaven	29.92	48	E	1	b		29.92	+ .11	50	47	0	S	1	b	*		58	46	-
Berlin	29.99	58	Z	0	c		30.00	+ .10	56	52	+ 2	SE	1	c	*		66	54	-
Wiesbaden	*	*	*	*	*		30.01	+ .04	49	46	- 2	Z	0	0	*		61	41	-
Munich	30.06	48	Z	0	c		29.99	- .04	46	46	- 3	NW	3	r	*		55	46	0.04
FRANCE & NETHERLANDS.																			
The Helder	29.86	47	S	1	bc		29.97	+ .20	48	42	- 1	SW	3	bc	2		54	41	-
Brussels	*	*	*	*	*		30.05	+ .18	45	42	- 3	SSW	4	b	*		59	39	-
Cape Gris Nez	29.80	45	WSW	4	r		29.95	+ .19	45	43	- 1	W	4	b	3		57	41	0.04
Paris	29.91	56	SW	5	0		30.11	+ .17	40	40	- 7	SW	1	0	*		61	37	-
Brest	29.95	47	NW	4	b		30.05	+ .24	46	45	+ 1	W	5	bc	5		57	39	0.24
Lorient	30.01	47	WNW	5	bc		30.10	+ .23	46	41	0	WNW	5	b	3		50	41	0.24
Rockfort	30.06	50	W	8	r		30.22	+ .19	46	43	- 3	W	5	c	2		59	41	0.08
Belfort	29.98	57	SW	1	c		30.08	+ .06	47	44	- 5	W	1	bc	*		60	42	0.16
Lyons	29.97	58	W	1	bc		30.12	+ .08	49	45	+ 3	WNW	3	*	*		63	?	-
Nice	29.99	54	WSW	1	bc		29.98	+ .04	53	52	- 1	ESE	1	bc	0		63	46	-
Perpignan	30.02	60	NW	3	0		30.17	+ .15	54	44	+ 1	NW	4	c	*		66	47	-
Biarritz	30.15	55	W	4	c		30.28	+ .22	50	46	0	WNW	4	c	2		59	46	0.02
Coranna	*	*	*	*	*		30.34	+ .36	54	53	+ 3	W	1	bc	3		59	36	-
Lisbon	30.25	53	WNW	5	b		30.27	+ .14	53	50	0	NNE	5	b	2		61	48	-

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Tuesday, 26th April

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

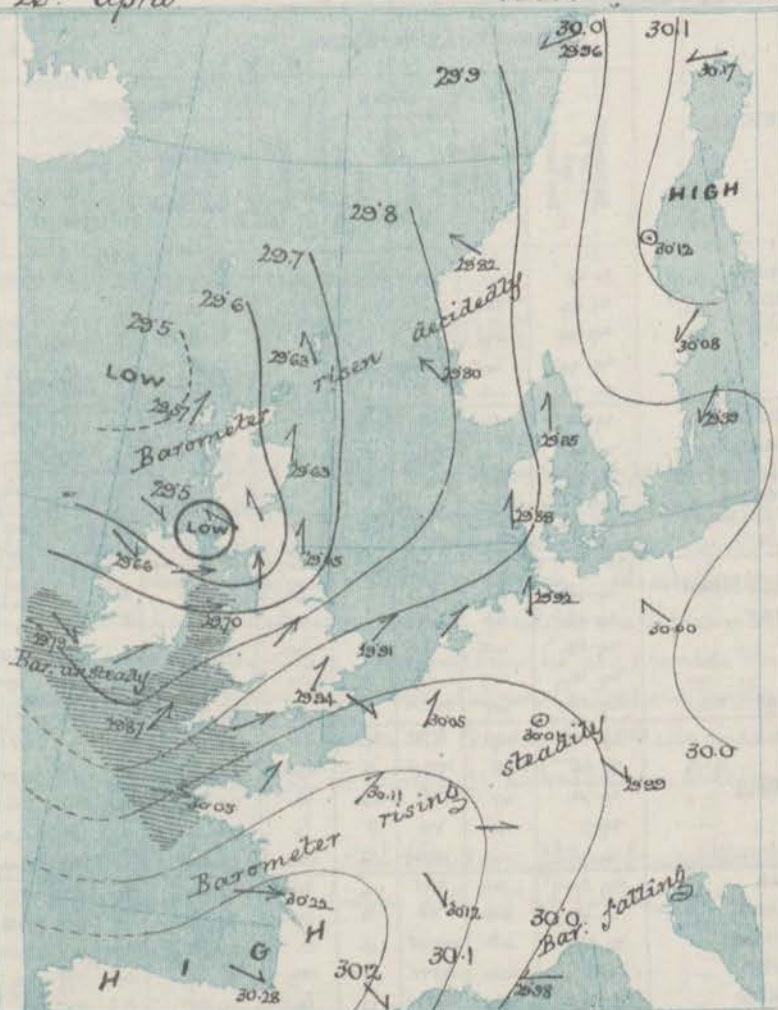
Barometer — Iso-bars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 — force above 10, — forces 8 to 10,
 — forces 6 to 7, — forces 1 to 4,
 ○ — dead calm.

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Samburgh Head	29.833
Stornoway	29.806
Wick	29.838
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Scilly	29.867
Hurst Castle	29.896
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.873



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

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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min	Air & W.	Sea	
Samburgh Head	46.3	37.5	41.7	40.6	2.16
Stornoway	49.1	37.5	44.1	42.3	2.51
Wick	49.3	37.6	43.0	41.1	1.56
Nairn	51.6	38.4	43.4	40.8	1.23
Aberdeen	49.5	39.3	43.2	40.9	2.23
Leith	53.2	38.6	44.4	42.4	1.65
Shields	49.3	39.8	43.8	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.8	40.8	45.0	42.1	2.23
Donaghadee	51.8	40.3	45.0	43.4	2.02
Holyhead	52.3	43.1	46.4	44.5	1.86
Liverpool	53.3	41.0	46.0	43.1	1.56
Valencia	54.4	43.5	48.8	46.1	4.01
Roche's Point	54.7	42.9	47.8	45.2	3.43
Pembroke	51.2	42.5	45.9	44.0	2.10
Scilly	52.7	45.5	49.2	47.4	2.45
Hurst Castle	51.9	42.1	45.1	43.9	1.87
Dover	51.5	42.6	46.4	43.8	1.91
LONDON	56.9	49.2	47.0	44.3	1.86
Oxford	54.9	39.6	44.9	43.9	1.79
Cambridge	56.3	38.4	45.6	43.5	1.76
Yarmouth	49.7	40.4	45.2	43.7	1.80

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, Biarritz 30.28 ins, Lisbon 30.27 ins. — Haparanda 30.17 ins, Helsingfors 30.12 ins.
 Lowest, Anderson 29.4 ins, Stormoway 29.57 ins, Falm 29.82 ins.
 Gradients rather steep over Irish Sea, moderate or slight elsewhere. Barometer unsteady — falling in north and west of England, rising most other places.

TEMPERATURE

Highest, 56° at Berlin, 54° at Perpignan, 53° at Nice and Lisbon, 50° at Biarritz and 47° at Frazzle Point and Bergen.
 Lowest, 37° at Stormoway and Fongabadee, 38° at Narvik and also at Haparanda, 40° at Shields, Liverpool and Mullaghmore.
 It is apparently falling in Ireland, rising (temporarily) over England.

WIND

Moderate W in Ireland — Strong W in Irish and English Channels.
 Moderate S-E on our eastern and north-eastern coasts — Strong S-E in Norway.
 Over France it is moderate from W and NW.

WEATHER

Cloudy, squally and showery in west and north, with hail at Malin Head, snow at Lumburg Head.
 Fine at present at our midland and eastern stations, but with loose clouds rising in the west.
 In London the clouds are (fine) moving quickly from W over clear blue sky.

SEA

Is rough on exposed parts of our western and southern coasts, moderate in the extreme north-west and south-east, smooth in the north-east and east.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbances noticed above are moving eastwards, and will probably cause showery weather in all parts of England today, followed by a bright cold night.

As there is no appearance of any new system in the far west the signals have been lowered in Ireland for the present.

FORECASTS

for the 24 hours ending at NOON on 27th April 1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SE ^{ly} to E ^{ly} winds; showery, changeable.
1	SCOTLAND EAST	— D° — D° —
2	ENGLAND N E	SW ^{ly} winds; fresh; squally, showery to fair.
3	ENGLAND EAST	— D° — D° —
4	MIDLAND COUNTIES	— D° — D° —
5	ENGLAND SOUTH	SW ^{ly} winds; strong; squally, showery; to W ^{ly} moderate, clear and cold.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as N° 0.
7	ENGLAND N W	W ^{ly} to NW ^{ly} winds; strong; squally and showery to fair.
8	ENGLAND S W	Same as N° 5.
9	IRELAND NORTH	NW ^{ly} breezes; moderate or fresh; fair; then backing again, with less settled weather.
10	IRELAND SOUTH	— D° — D° —

WARNINGS

The S. cone is still flying in districts 0 and 5 to 9, but has been lowered in 10.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.75	48	45	SSE	6	c	5	Holyhead ...	29.71	47	42	WSW	3	bc	3
Sumburgh Head ...	29.32	46	41	S	6	bc	6	Valencia ...	29.82	47	43	WNW	4	cvg/hp	5
Stornoway ...	29.35	43	41	W	6	cq	5	Scilly ...	29.82	47	44	W	5	beph	5
Aberdeen ...	29.48	46	42	S	6	cq	3	Dungeness ...	29.78	51	46	SW	4	c	4
Shields ...	29.59	41	39	WSW	1	ap	2	London ...	29.77	48	43	SW	4	o	*
Ardrossan ...	29.59	45	43	W	3	bc	3	Yarmouth ...	29.70	30	46	WSW	4	c	3
Malin Head ...	29.56	44	42	W	3	bc	3	Jersey ...	29.82	43	42	WNW	3	o	3
Mullaghmore ...	29.66	43	40	WSW	4	bcv	2	Rochefort ...							
Balmullet ...	29.68	43	40	WNW	4	b	*								

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

Yesterday morning's reports showed ^{that pressure} then varied from a little above 30.3 ins: over Russia, and about 30.1 ins: in Portugal and the Azores to 29.10 ins: in a depression, the central area of which had advanced to the north of Scotland from the westward during the night. The two high-pressure areas were united by a large "col" which lay over Spain, the south of France, the Adriatic, and southwestern Russia. In addition to the depression over the north of Scotland several shallow subsidiary disturbances were lying over various parts of the United Kingdom, and a larger subsidiary system over Poland. NW² winds prevailed on our western coasts, but over the North Sea and Northern Europe the wind was S² or SE², while at the southern stations variable breezes were reported. The weather was fair over the greater part of the Continent, but in our Islands showers were very general. Temperature had fallen a little over Western Europe, but risen elsewhere, and readings ranged from between 60° and 65° at the Spanish, Algerian, and Mediterranean stations to 25° or less over Northern Russia). The highest individual readings were 66° at Palma and Lagnouat, 64° at Lfor, 63° at Oram and La Calle, 62° at Barcelona, and 61° at Brindisi, Cagliari and Malta; the lowest were 26° at Archangel, 36° at Moscow, 37° at Kuopio and 38° at Stornoway.

In the course of the day the depression off the Scotch coasts travelled away to the northward, and the barometer rose generally, but at 6pm the mercury was again falling in the extreme west, with backing winds, and an unsettled appearance. Over England where the sky cleared the night was very cold, and in London the thermometer on the grass fell to 24°.

* The 8am reading at Stornoway was reported* as 29.00 ins: instead of 29.10 ins: yesterday.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Wednesday 27th April

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 ..	30.22	34	Z	0	f	30.25	+ .08	38	38	0	Z	0	f	*	41	34	0.12
Hernösand ...	30.17	34	Z	0	f	30.10	- .02	38	38	- 1	NE	2	r	*	52	34	-
Stockholm ...	30.08	45	E	2	f	29.95	- .13	45	43	- 9	E	2	c	*	61	45	-
Wisby ...	29.97	45	SE	4	o	29.91	- .08	40	35	- 4	SE	4	b	*	?	34	-
Bodö ...	30.04	44	ENE	2	b	30.04	+ .08	47	42	+ 2	ENE	5	c	3	54	39	-
Christiansund...	29.85	51	WSW	7	c	29.95	+ .10	44	41	- 8	NE	5	c	2	55	39	-
Skudesnaes ...	29.97	42	SSE	6	bc	29.83	+ .03	45	41	- 1	ESE	2	o	3	46	?	-
Christiania Fjord (Færder)	30.01	45	WSW	2	c	29.79	- .20	43	43	+ 1	N	6	r	2	46	?	-
Skagen (The Scaw)	29.99	41	NW	1	b	29.80	- .15	42	42	- 5	NW	2	o	1	50	41	0.20
Fanö ...	30.02	41	Z	0	o	29.87	- .01	45	43	- 5	SSE	4	b	*	52	41	-
BRITISH ISLANDS.																	
Sumburgh Head	29.66	43	SSE	4	c	29.65	+ .02	43	40	+ 1	ESE	4	c	5	47	34	0.13
Stornoway ...	29.60	36	WNW	4	r	29.63	+ .06	36	36	- 1	W	4	rep	3	46	33	0.32
Wick ...	29.50	43	E	4	o	29.61	.00	39	38	- 2	N	3	o	1	47	32	0.13
Nairn ...	29.53	36	W	3	r	29.65	+ .06	35	32	- 3	Z	0	c	1	40	29	0.36
Aberdeen...	29.58	42	SW	4	b	29.61	- .04	39	36	- 2	NW	4	o	2	47	33	0.08
Leith ...	29.66	47	SW	4	c	29.67	+ .01	42	39	+ 1	WNW	1	bcu	*	47	32	0.03
Shields ...	29.69	46	SSW	1	o	29.66	+ .01	36	35	- 4	WSW	3	b	2	50	32	0.08
Spurn Head ...	29.73	45	SSE	5	c	29.75	- .08	42	40	- 4	WSW	5	bcu	2	49	36	0.20
York ...	29.72	40	SSE	3	o	29.75	- .01	42	39	0	SW	3	c	*	52	32	0.13
Loughborough	29.69	41	S	3	o	29.79	- .04	40	39	- 4	W	3	b	*	46	33	0.75
Ardrossan ...	29.65	44	SW	4	bc	29.68	+ .03	42	40	+ 1	NNW	1	b	0	46	33	0.07
Malin Head ...	29.64	42	WNW	3	bc	29.67	+ .03	39	38	- 1	WNW	2	bc	2	45	33	0.01
Mullaghmore ...	29.69	43	W	5	c	29.69	+ .03	40	39	0	NNE	2	cp	3	46	36	0.08
Belmullet ...	29.72	42	W	4	b	29.74	+ .05	39	39	0	NNW	2	c	*	43	37	0.29
Donaghadee ...	29.70	40	SSW	4	r	29.73	+ .05	37	36	0	WSW	3	bc	1	47	31	0.02
Barrow-in-Furness	29.68	45	NW	3	bc	29.72	+ .04	40	38	- 1	NW	3	c	*	48	37	0.09
Liverpool (Bidston)	29.70	41	NW	1	r	29.76	+ .04	41	37	+ 1	WSW	4	chp	3	49	35	0.23
Holyhead ...	29.71	40	WNW	2	c	29.78	+ .08	42	39	- 2	W	2	bc	2	47	37	0.01
Parsonstown ...	29.77	42	W	1	c	29.79	+ .07	40	38	- 1	WNW	2	c	*	47	31	0.12
Valencia ...	29.85	42	N	3	c	29.89	+ .04	45	42	+ 2	W	4	bcu	5	51	35	0.15
Roche's Point...	29.81	43	W	4	bc	29.84	+ .03	43	39	0	WNW	3	b	4	49	36	0.08
Pembroke ...	29.77	44	W	4	c	29.85	+ .05	42	40	0	W	3	b	3	45	38	0.04
Scilly ...	29.88	47	W	6	c	29.93	+ .06	44	43	- 2	W	6	chrg	5	50	40	0.26
Prawle Point ...	29.84	45	W	5	bc	29.94	+ .02	45	42	- 2	WSW	4	b	4	50	37	-
Jersey ...	29.92	47	WSW	5	r	29.99	- .03	46	44	- 2	WNW	4	bcu	4	55	43	0.20
Hurst Castle ...	29.80	45	WSW	9	r	29.93	- .04	45	42	- 1	W	5	b	4	50	39	0.22
Dungeness ...	29.89	47	SW	5	c	29.91	- .06	42	42	- 5	W	3	b	2	57	39	0.42
London ...	29.80	44	SSW	6	or	29.88	- .06	42	38	- 4	SW	3	bc	*	55	36	0.18
Oxford ...	29.77	44	W	4	b	29.87	- .04	41	39	- 3	SW	4	b	*	49	35	0.42
Cambridge ...	29.75	44	SW	3	r	29.86	- .05	40	38	- 5	WSW	2	bp	*	55	33	0.10
Yarmouth ...	29.86	46	S	6	bc	29.81	- .10	43	40	- 2	WSW	4	bc	3	57	36	0.12
Cuxhaven ...	30.05	43	N	2	c	29.98	+ .01	47	45	- 3	SE	2	b	*	54	43	-
Berlin ...	29.91	55	Z	0	r	30.06	+ .06	47	44	- 9	W	3	bc	*	64	43	0.12
Wiesbaden ...	*	*	*	*	*	30.12	+ .11	43	40	- 6	NE	2	bc	*	55	36	0.04
Munich ...	30.14	41	W	6	o	30.22	+ .23	43	41	- 3	SW	5	o	*	48	39	0.20
GERMANY.																	
The Helder ...	29.97	44	S	1	b	29.85	- .12	45	41	0	WSW	4	b	3	54	43	0.04
Brussels ...	*	*	*	*	*	29.96	- .09	47	43	+ 2	SSW	4	bc	*	56	42	0.04
Cape Gris Nez...	29.94	46	SSW	4	c	29.87	- .08	43	40	- 2	WSW	7	r	5	52	43	0.20
Paris ...	30.06	54	SW	3	bc	30.04	- .07	48	46	+ 8	SW	4	o	*	59	45	-
Brest ...	29.99	49	WNW	5	o	30.04	- .01	45	41	- 1	NW	5	c	5	57	37	0.04
Lorient ...	30.03	51	W	8	o	30.08	- .02	48	43	+ 2	W	4	bc	5	50	43	0.28
Rochefort ...	30.22	53	W	7	c	30.08	- .04	52	50	+ 6	WSW	5	bc	2	57	45	-
Belfort ...	30.11	49	W	1	bc	30.15	+ .07	45	41	- 2	W	1	c	*	53	34	0.04
Lyons ...	30.16	52	NNE	1	r	30.23	+ .11	46	42	- 3	WNW	1	b	*	57	40	-
Nice ...	29.87	60	WNW	5	b	30.07	+ .09	56	?	+ 3	E	1	f	1	70	44	-
Perpignan ...	30.19	60	WNW	4	b	30.27	+ .10	53	48	- 1	E	1	b	*	64	40	-
Biarritz ...	30.26	59	Z	0	b	30.20	- .08	57	46	+ 1	SE	4	o	2	61	48	-
FRANCE & NETHERLANDS.																	
Corunna ...	*	*	*	*	*	30.14	- .13	55	50	+ 2	NNE	5	o	2	68	50	-
Lisbon ...	30.19	59	NNW	5	b	30.14	- .13	55	50	+ 2	NNE	5	o	2	68	50	-
PENIN. ISLANDS.																	

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Wednesday, 27th April.

1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

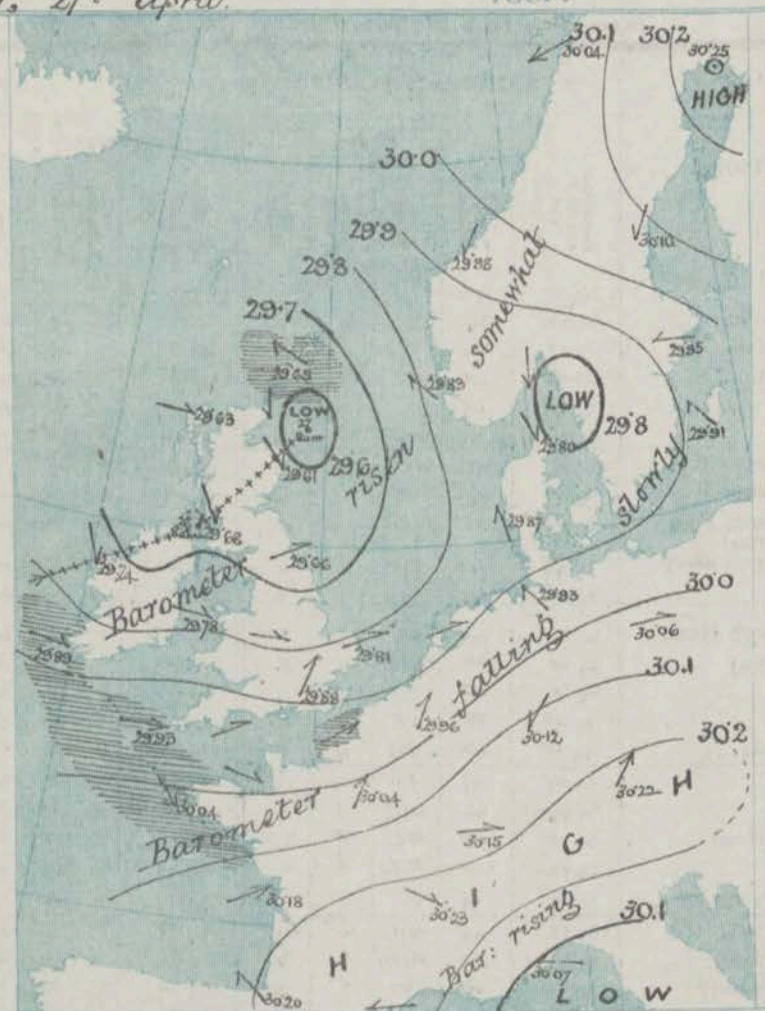
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 * — forces above 10; * — forces 8 to 10;
 — — forces 5 to 7; — — forces 1 to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

Sea Disturbance — where considerable is shown thus
 [wavy line] — Rough. [dashed line] — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.838
Nairn	29.841
Aberdeen	29.848
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Scilly	29.867
Hurst Castle	29.866
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.878



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

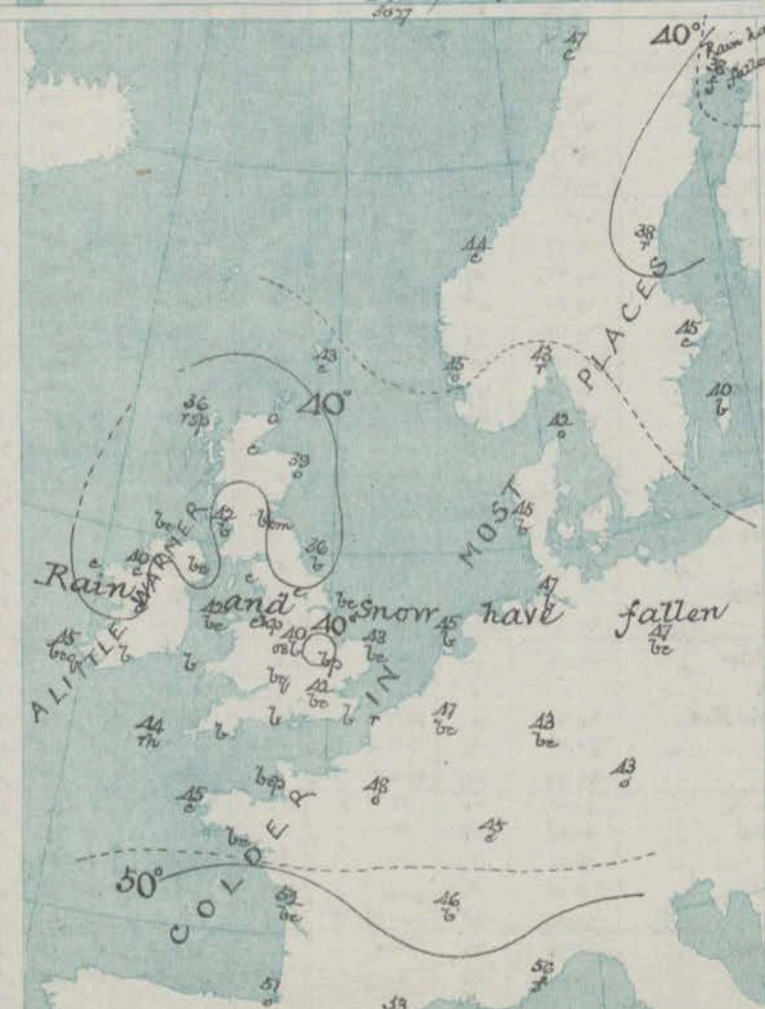
Temperature — Isotherms are drawn for each 1° change since previous morning are stated in words.
Weather — is shown by Letters of the Beaufort Scale.
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	A.T. & M. Dry.	Wet.	
Sumburgh Head	46.3	37.5	41.7	40.6	2.16
Stornoway	49.1	37.5	44.1	42.3	2.51
Wick	49.3	37.6	43.0	41.1	1.56
Nairn	51.6	38.4	43.4	40.8	1.23
Aberdeen	49.5	39.3	43.2	40.9	3.23
Leith	53.2	38.6	44.4	42.4	1.66
Shields	49.3	39.8	43.8	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.8	40.8	45.0	43.1	2.22
Donaghadee	51.8	40.3	45.0	43.4	2.02
Holyhead	52.3	43.1	46.4	44.5	1.96
Liverpool	53.3	41.0	46.0	43.1	1.56
Valencia	54.4	43.5	48.8	46.1	4.01
Roche's Point	54.7	42.9	47.3	45.2	3.43
Pembroke	51.2	43.5	45.9	44.0	2.10
Scilly	52.7	45.5	49.2	47.4	2.45
Hurst Castle	51.9	42.1	45.1	43.9	1.87
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	56.9	40.2	47.0	44.3	1.86
Oxford	54.9	39.6	44.9	43.0	1.79
Cambridge	56.3	38.4	45.6	43.5	1.78
Yarmouth	49.7	40.4	45.2	43.7	1.80

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 north of Sweden and also in a band extending from South Germany to the Pyrenees.
Lowest, 29.6 ins and less in a small depression lying off the north-east of Scotland, but 29.8 ins and less in another disturbance having its centre near the Orkney Arch.

TEMPERATURE

Highest, 56° at Nice, 55° at Lisbon and 53° at Perpignan; highest in our islands 46° at Jersey.
Lowest, 35° at Naurn, 36° at Stromway and Shields, 37° at Tromsø and 38° at Haparanda and Hernösand.

WIND

Light from NW in Scotland and the north of Ireland.
Fresh or strong from W over the south of our islands and the north of France.
Light or moderate from SE or E over the greater part of Scandinavia and Denmark.

WEATHER

Fine in many places, but showery in several parts of our islands and France.
Rain is falling at Haparanda and Gaarder.
[A little snow fell in London at about 5 am today.]

SEA

Rather rough on our extreme south-western coasts and also at Lumburg Head, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay near Ardrossan yesterday has moved north-eastwards across Scotland to the North Sea, while the shallow subsidiary disturbance noticed at the mouth of the St Georges Channel has travelled away to the east of our islands.

The barometer is again inclined to fall in the west, so that further depressions are probably approaching from the Atlantic. Under these circumstances a continuance of changeable showery weather is likely in many parts of the Kingdom.

FORECASTS

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

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

NW^{ly} to SW^{ly} winds, moderate, unsettled, some cold showers.

1 SCOTLAND
EAST

D^o ----- D^o

2 ENGLAND
N E

Same as N^o 5.

3 ENGLAND
EAST

Same as N^o 5.

4 MIDLAND
COUNTIES

Same as N^o 5.

5 ENGLAND
SOUTH

W^{ly} and SW^{ly} winds, moderate or fresh, fair generally, but some showers.

DISTRICTS.

FORECASTS.

6 SCOTLAND
WEST

Same as N^o 0.

7 ENGLAND
N W

Same as N^o 0.

8 ENGLAND
S. W

W^{ly} to SW^{ly} winds, fresh or strong, squally, some showers.

9 IRELAND
NORTH

Same as N^o 0.

10 IRELAND
SOUTH

W^{ly} to NW^{ly} winds, fresh; changeable, some showers.

WARNINGS

None issued.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		
Skudesnaes ...	29.88	45	41	W	2	c	4	Holyhead ...	29.73	47	42	SSW	3	bc	4
Sumburgh Head	29.71	46	42	SSE	3	c	4	Valencia ...	29.83	43	41	NW	5	oap	5
Stornoway ...	29.57	44	41	S	2	o	2	Scilly ...	29.83	49	46	WNW	6	r	6
Aberdeen ...	29.53	45	42	SSE	6	c	4	Dungeness ...	29.97	30	48	WSW	5	bc	4
Shields ...	29.66	49	41	SW	6	c	2	London ...	29.90	32	45	SW	6	cq	*
Ardrossan ...	29.62	44	42	SW	4	bc	3	Yarmouth ...	29.90	47	45	SSE	5	b	4
Malin Head ...	29.62	45	42	WNW	4	bc	3	Jersey ...	29.96	32	48	SW	5	bc	4
Mullaghmore ...	29.69	42	39	SW	4	c	3	Rochefort ...	30.23	56	50	W	7	c	2
Belmullet ...	29.71	41	39	W	5	c	*								

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

The Continental Reports for yesterday morning showed that while areas of high pressure (30.3 ins. and upwards) were lying respectively over Russia and to the westward of Spain, the lowest ^{reading} (29.5 ins. and less) were found in a small depression the centre of which was situated near Ardrossan. A small local disturbance was also lying over the Gulf of Genoa. Moderate or fresh breezes from the Wnd were reported over the west and south of our Islands and the greater part of France, but over eastern and northern Europe the wind was moderate from the SEnd or End, while on the shores of the Mediterranean it was somewhat variable. The weather was in a changeable, showery state at all the northwestern stations, but over Eastern and Southern Europe conditions were mostly fair. Temperature had risen a little in Austria and Russia, but fallen in nearly all other countries; readings ranged from between 60° and 65° over Algeria and the southern part of Italy and Spain to 40° or less over Northern Europe. The highest individual readings were 67° at Biskra, 63° at Algiers, and 62° at Malta, ^{For} and Brindisi; the lowest were 33° at Archangel, 37° at Stornoway, 39° at Kuopio and Uleaborg, and 38° at Haparanda.

In the course of the day the depression which lay near Ardrossan in the morning travelled northwards, while a subsidiary disturbance moved eastwards across England. The latter system occasioned heavy rain in many places, and during the ensuing night a little snow fell in several parts of England and Ireland.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for

Thursday 28th April

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 ..	30.12	39	NE	2	b	29.99	- .26	42	40	+ .4	SE	2	bc	*	45	34	-
	Hernösand ...	29.98	40	2	0	c	30.03	- .07	43	41	+ .5	2	0	b	*	45	32	0.04
	Stockholm ...	30.24	47	S	2	0	30.09	+ .14	52	48	+ 7	S	4	b	*	63	39	-
	Wisby ...	30.03	46	SW	4	bc	30.09	+ .18	50	44	+ 10	SSE	4	b	*	?	34	-
	Bodö ...	29.84	45	NE	4	0	29.78	- .31	51	48	+ .4	SE	4	b	2	?	39	-
	Christiansund...	29.52	45	ESE	1	c	29.65	- .33	47	39	+ 3	SE	5	b	2	?	37	0.12
	Skudesnaes ...	29.52	45	S	9	c	29.72	- .11	42	40	- 3	SSE	9	m	6	?	41	-
	Christiania Fjord (Vardø)	29.88	42	S	6	0	29.95	+ .16	42	40	- 1	S	6	bc	4	43	39	0.28
	Skagen (The Scaw)	29.92	42	SSW	1	0	29.98	+ .18	42	40	0	SSW	2	b	1	48	37	0.1
	Fanö ...	29.97	40	SSW	4	c	29.88	+ .01	45	44	0	SSE	5	c	*	54	39	0.4
BRITISH ISLANDS.	Sumburgh Head	29.55	44	NE	3	c	29.56	- .09	40	38	- 3	WNW	4	n	4	47	32	0.44
	Stornoway ...	29.58	45	N	2	c	29.78	+ .15	42	41	+ 6	SW	2	0	2	47	33	0.1
	Wick ...	29.53	40	E	1	bc	29.73	+ .12	42	41	+ 3	HW	2	n	1	43	33	0.1
	Nairn ...	29.55	44	W	1	n	29.74	+ .09	43	41	+ 5	WSW	1	b	1	46	33	0.1
	Aberdeen...	29.58	42	HW	4	c	29.74	+ .13	45	41	+ 6	HW	3	b	1	45	35	0.07
	Leith ...	29.63	44	SW	3	c	29.79	+ .12	47	44	+ 5	W	1	c	*	49	37	-
	Shields ...	29.68	41	SSW	3	0	29.81	+ .15	43	40	+ 7	WSW	3	b	2	49	35	0.03
	Spurn Head ...	29.78	48	SW	4	bc	29.93	+ .18	45	42	+ 3	WSW	5	b	2	50	35	0.02
	York ...	29.75	47	WSW	5	0	29.92	+ .17	45	42	+ 3	W	3	bc	*	50	34	-
	Loughborough	29.80	46	SW	3	b	29.97	+ .18	45	42	+ 5	WSW	3	b	*	52	36	-
GERMANY.	Ardrossan ...	29.67	43	WNW	5	c	29.82	+ .14	44	42	+ 2	HW	4	cp	3	48	39	0.03
	Malin Head ...	29.72	41	WNW	3	0p	29.85	+ .18	44	42	+ 5	WSW	3	bp	2	45	38	0.18
	Mullaghmore ...	29.82	45	W	4	bc	29.88	+ .19	43	41	+ 3	SW	4	cp	2	48	36	0.06
	Belmullet ...	29.86	46	WNW	3	b	29.91	+ .17	42	39	+ 3	N	1	b	*	47	39	0.06
	Donaghadee ...	29.75	44	W	3	bc	29.88	+ .15	45	42	+ 3	WSW	3	b	1	45	34	0.20
	Barrow-in-Furness	29.72	41	SW	4	bc	29.87	+ .15	43	40	+ 3	WSW	4	b	*	45	36	0.28
	Liverpool (Bidston)	29.77	41	SW	4	c	29.94	+ .18	45	40	+ 4	WSW	3	b	3	50	37	0.09
	Holyhead ...	29.79	43	W	4	bc	29.95	+ .17	47	46	+ 5	W	1	b	2	51	38	0.07
	Parsonstown ...	29.83	46	W	1	bc	29.91	+ .12	44	40	+ 4	2	0	b	*	49	30	0.05
	Valencia ...	29.92	48	WNW	3	bc	29.96	+ .07	44	42	- 1	N	2	bc	3	52	35	0.07
FRANCE & NETHERLANDS.	Roche's Point...	29.89	48	WNW	4	b	29.93	+ .09	43	41	0	NW	1	b	3	49	34	0.02
	Pembroke ...	29.87	46	WSW	6	bc	29.95	+ .10	44	42	+ 2	WNW	1	bc	2	46	39	0.03
	Scilly ...	29.97	47	W	4	bc	29.96	+ .03	50	46	+ 6	SSE	1	c	4	50	41	0.04
	Prawle Point ...	29.96	44	WSW	4	bc	30.01	+ .07	48	44	+ 3	E	2	bc	2	52	37	0.12
	Jersey ...	30.01	49	WNW	3	b	30.01	+ .02	46	45	0	ESE	3	ogmp	3	53	43	0.04
	Hurst Castle ...	29.95	46	W	6	b	30.01	+ .08	45	43	0	WSW	1	bc	2	52	38	0.04
	Dungeness ...	29.93	47	WSW	5	bc	30.02	+ .11	47	45	+ 5	WSW	4	bc	3	50	39	-
	London ...	29.92	41	SW	3	cp	30.02	+ .14	46	41	+ 4	WSW	2	b	*	52	32	0.15
	Oxford ...	29.92	41	W	3	b	30.02	+ .15	44	41	+ 3	WSW	1	bv	*	49	33	0.01
	Cambridge ...	29.87	45	S	3	bc	30.01	+ .15	46	42	+ 6	SW	1	b	*	53	30	-
PENINSULA.	Yarmouth ...	29.87	46	SW	4	bc	30.00	+ .19	45	42	+ 2	W	2	b	2	50	34	0.01
	Cuxhaven ...	29.99	44	S	1	bc	29.99	+ .06	44	43	- 3	S	2	bc	*	51	42	-
	Berlin ...	30.12	54	S	3	b	30.14	+ .08	52	47	+ 5	SSE	4	bc	*	61	43	-
	Wiesbaden ...	*	*	*	*	*	30.13	+ .01	49	46	+ 6	2	0	0	*	59	43	0.04
	Munich ...	30.22	46	SE	2	bc	30.22	0.00	47	43	+ 4	3	bc	*	54	?	-	
	The Helder ...	29.96	39	SW	3	c	30.01	+ .16	44	41	- 1	WSW	4	c	3	50	39	-
	Brussels ...	*	*	*	*	*	30.09	+ .13	45	42	- 2	WSW	1	0	*	56	42	0.04
	Cape Gris Nez...	29.97	46	SW	5	bc	30.04	+ .17	45	44	+ 2	SW	3	b	2	50	43	0.08
	Paris ...	30.06	56	SW	4	0	30.11	+ .07	47	44	- 1	SSE	1	0	*	63	41	-
	Brest ...	30.08	48	W	4	0	30.00	- .04	44	43	- 1	SE	4	n	4	57	39	0.02
FRANCE & NETHERLANDS.	Lorient ...	30.08	46	HW	1	n	?	- ?	47	46	- 1	2	0	?	2	55	43	0.20
	Rochefort ...	30.17	54	W	3	0	30.02	- .16	52	50	0	NE	4	0	2	61	45	-
	Belfort ...	30.12	51	W	1	b	30.12	- .03	54	49	+ 9	E	1	b	*	60	34	-
	Lyons ...	30.12	60	SE	1	b	30.13	- .10	58	48	+ 7	ESE	1	0	*	64	?	-
	Nice ...	30.21	57	2	0	0	30.21	+ .14	55	49	- 1	E	1	b	1	66	45	-
	Perpignan ...	30.15	60	NE	3	b	30.11	- .16	54	54	+ 1	HW	1	0	*	64	49	-
	Biarritz ...	30.05	58	EHE	5	c	29.95	- .25	64	56	+ 13	SW	1	c	1	68	?	-
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
	Lisbon ...	30.07	60	WSW	5	c	30.00	- .14	58	56	+ 3	SSE	1	0	2	72	55	-

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on Thursday, 28th April 1887.

BAROMETER, WIND & SEA.

(Explanation of Map)

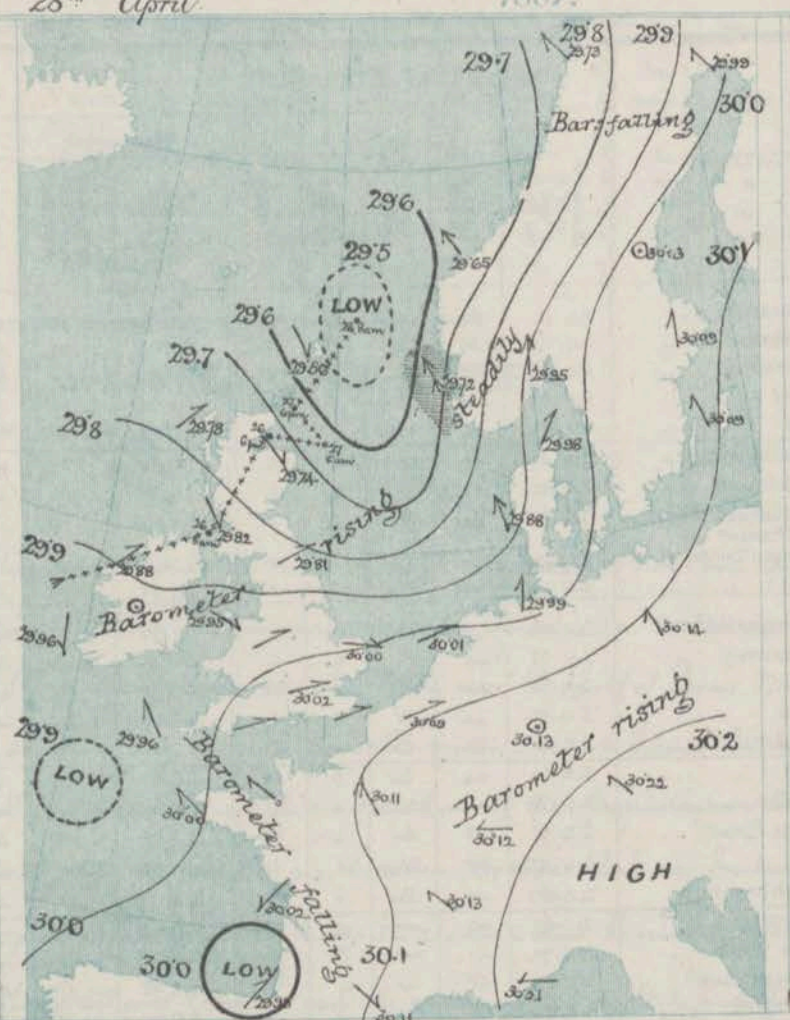
Barometer — Iso-bars are drawn for each tenth of an inch changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 — = forces above 10; — = forces 8 to 10;
 — = forces 5 to 7; — = forces 1 to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

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.838
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.880
York	29.885
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Scilly	29.867
Hurst Castle	29.866
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.873



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

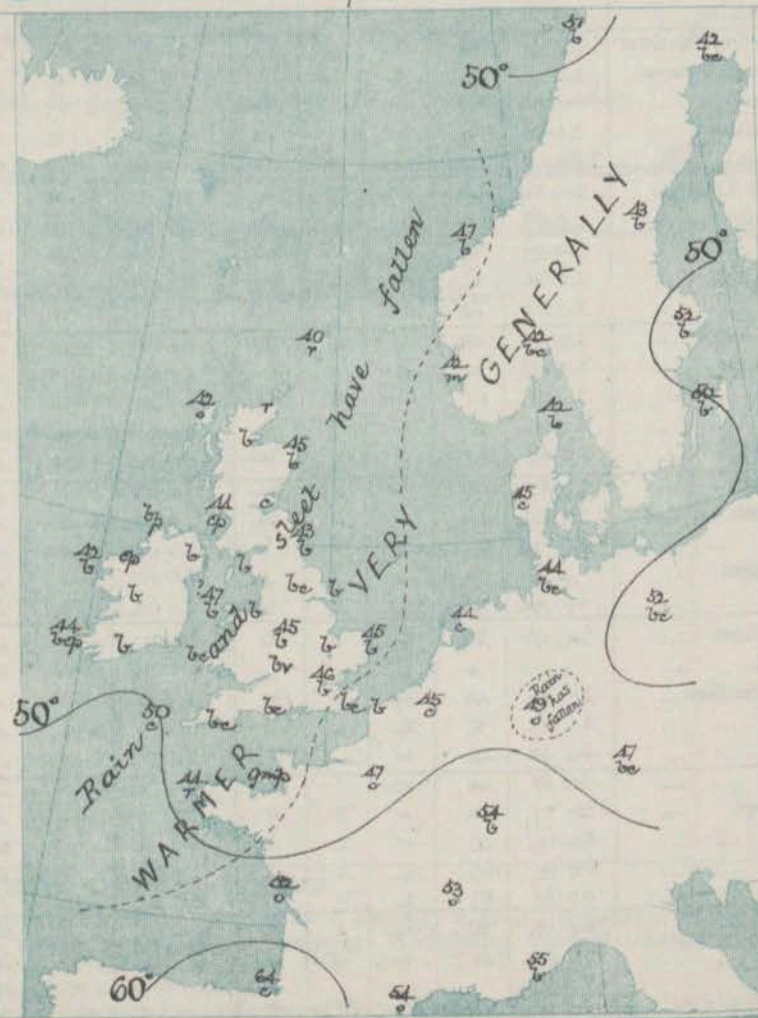
Temperature — Isotherms are drawn for each 10° changes since previous morning are stated in words.
Weather — is shown by Letters of the Beaufort Scale.
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of April.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 5 & 9.		
			Dry.	Wet.	
Sumburgh Head	46.3	37.5	41.7	40.6	2.16
Stornoway	46.1	37.5	44.1	42.3	2.51
Wick	46.3	37.6	43.0	41.1	1.56
Nairn	51.6	38.4	43.4	40.8	1.23
Aberdeen	49.5	39.3	43.2	40.9	2.23
Leith	53.2	38.6	44.4	42.4	1.65
Shields	49.3	39.8	43.8	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.8	40.8	45.0	42.1	2.23
Donaghadee	51.5	40.3	45.0	43.4	2.02
Holyhead	52.3	43.1	46.4	44.5	1.86
Liverpool	53.3	41.0	46.0	43.1	1.56
Valencia	54.4	43.5	48.8	46.1	4.01
Roche's Point	54.7	42.9	47.3	45.2	3.43
Pembroke	51.2	42.5	45.9	44.0	2.10
Scilly	52.7	45.5	49.2	47.4	2.45
Hurst Castle	51.9	42.1	45.1	43.9	1.87
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	56.9	40.2	47.0	44.3	1.56
Oxford	54.9	39.6	44.9	43.0	1.70
Cambridge	56.3	38.4	45.6	43.5	1.78
Yarmouth	49.7	40.4	45.2	43.7	1.80

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 in. and more, over South Germany, Scotland, and the southeast of France, 30.1 in. and more, over the Baltic
lowest, about 29.95 in. at Biarritz, Sully, and Valencia — 29.56 in. at Sumburgh Head.

Gradients moderate or slight everywhere.

Barometer rising at our northern stations, falling generally in the SW. and extreme S.; the fall is spreading northwards.

TEMPERATURE

Highest, 64° at Biarritz (with a SSW wind), 53° to 58° in the SE. of France, 52° at Rochefort, Berlin, and Stockholm, and 50° at Sully and Hissip.

lowest, 42° at Haparanda, Wick, Stromsøya, and Helmslet.

The thermometer was rising fast at the inland stations, after a very cold night.

[A sharp frost occurred on the ground at our inland stations during the night.]

WIND

Moderate to gale from SE. at stations to the eastward of the North Sea.

Light to moderate W. (NW to WSW) over the British Isles as a whole.

Moderate E. and SE. over France, the Bay of Biscay, and at the mouth of the Channel, but SSW at Biarritz.

WEATHER

Fine and bright at present in the east of Scotland, and the NW, NE, and SE. of England.

More or less cloudy elsewhere, with showers in the southwest, west, and extreme north.

[It was very showery over Ireland and England yesterday, with hail in places.]

SEA

Moderate in the far north and at Sully, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

1. As the depression in the north passes off, the weather in that region will probably clear, and tonight will be very cold over the northern part of the Kingdom.
2. Some shallow depressions are advancing towards our southwestern and southern coasts from the Bay of Biscay. There will probably be showery weather to those regions shortly, and probably local thunderstorms afterwards.

FORECASTS

For the 24 hours ending at NOON on 29th April 1887.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

Variable light winds, fair generally, cold at night.

1 SCOTLAND
EAST

--- D° --- D° --- D° ---

2 ENGLAND
N.E.

Same as N° 4

3 ENGLAND
EAST

Same as N° 5

4 MIDLAND
COUNTIES

Variable light breezes, fair, very cold tonight.

5 ENGLAND
SOUTH

Wind shifting to SE. or E. very light; fine and bright at first, less settled later.

DISTRICTS.

FORECASTS.

6 SCOTLAND
WEST

Same as N° 0

7 ENGLAND
N.W.

Same as N° 0.

8 ENGLAND
S.W.

Varying E. (SE to NE) winds, light; unsettled, probably thunderstorms.

9 IRELAND
NORTH

Very light breezes; changeable, local showers.

10 IRELAND
SOUTH

--- D° --- D° --- D° ---

WARNINGS

NONE ISSUED.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	29.72	45	40	ESE 4	c	4	Holyhead ...	29.78	39	38	W 4	nm.hg	3
Sumburgh Head ...	29.59	45	43	E 4	c	6	Valencia ...	29.91	50	45	W 4	62.9 p	5
Stornoway ...	29.57	47	45	NW 3	o	3	Scilly ...	29.96	48	45	W 5	cq	5
Aberdeen ...	29.56	45	41	NW 3	o	1	Dungeness ...	29.92	49	48	NW 5	bc	4
Shields ...	29.67	48	40	NW 3	c	2	London ...	29.92	46	43	NW 4	o p	*
Ardrossan ...	29.68	45	43	SW 1	b	1	Yarmouth ...	29.86	47	43	W 4	bc	3
Malin Head ...	29.70	46	42	NW 2	o	2	Jersey ...	30.01	51	47	WSW 4	b	4
Mullaghmore ...	29.77	47	41	NW 4	bv	2	Rochefort ...	30.19	57	52	W 5	o	2
Belmullet ...	29.82	46	41	N 3	bc	*							

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 30.3 in: was lying over Central and Northern Russia, while a smaller high pressure area, with similar readings existed to the westward of Spain. The lowest readings, 29.6 in: and less, were found in a small depression which was lying off the northeast of Scotland, but another disturbance was lying over the St. Peter Raak, and a third over the Gulf of Genoa. The wind was moderate from SE. or E. over Russia and Northern Europe generally, but in our Islands it was SW² or W², in the south of France NW², and over Central Europe variable. Showery weather was reported at most of the NW stations, but over Eastern and Southern Europe conditions were mostly fine. Temperature had risen a little in Russia, Austria, and Italy, but fallen elsewhere, and readings ranged from 60° and upwards over Spain, Algeria, and Southern Italy, to 40° or less at many of the northern stations. The highest individual readings were 67° at Trieste, 63° at Algiers, and 62° at Lef, Barcelona, Thessalonica, and Malta. The lowest were 33° at Archangel, 36° at Stornoway, and Shields, 37° at Donaghadee, and 38° at Haparanda and Helsingfors.

In the course of the day the depression off the northeast of Scotland increased somewhat both in size and depth, but no important change was observed in the winds or weather. Towards night the sky again cleared over England, and frost occurred in many places; in London the thermometer on the grass fell to 21°.

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 29th April 1887.

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

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Direc.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ..	29.97	37	S	2	c	29.73	- 26	38	37	- 4	SE	4	r	*	43	36	0.12		
Hernösand ...	29.91	38	S	0	b	29.79	- 14	40	38	- 3	SSW	4	b	*	50	36	0.32		
Stockholm ...	29.95	44	S	4	o	30.06	- 03	45	42	- 7	SSW	2	b	*	57	37	0.04		
Wisby ...	30.03	47	SW	4	c	30.07	- 02	45	42	- 5	W	4	bc	*	63	30			
Bodö ...	29.76	44	SE	2	b	29.61	- 12	44	39	- 7	ESR	2	b	1	?	37			
Christiansund...	29.55	47	SSE	4	c	29.62	- 08	41	38	- 6	SSW	8	c	4	52	37	0.04		
Skudesnaes ...	29.84	42	W	2	r	29.98	+ 26	44	40	+ 2	WSW	2	o	4	45	41			
Christiania Fjord (Færder)	29.86	41	SW	8	c	29.93	- 02	43	41	+ 1	SW	6	b	4	45	41	0.08		
Skagen (The Scaw)	29.94	42	W	1	o	30.03	+ 05	38	38	- 4	SW	1	o	1	46	36	0.16		
Fanö ...	30.06	41	WSW	3	b	29.96	+ 08	40	40	- 5	E	4	r	*	50	37			
BRITISH ISLANDS.																			
Sumburgh Head	29.74	42	W	3	c	29.99	+ 43	40	38	0	NW	2	o	3	44	36	0.05		
Stornoway ...	29.88	44	ESE	2	c	30.03	+ 25	39	38	- 3	NE	2	c	2	47	36	0.06		
Wick ...	29.86	41	NW	2	bc	30.00	+ 27	43	41	+ 1	NW	1	c	1	49	34	0.13		
Nairn ...	29.85	44	W	0	c	29.99	+ 25	41	39	- 2	NNE	1	c	2	53	38	0.03		
Aberdeen...	29.56	44	E	3	b	29.97	+ 23	43	40	- 2	N	4	c	2	52	37	0.01		
Leith ...	29.86	49	NW	1	b	29.96	+ 17	40	40	- 7	W	1	f	*	52	32	0.01		
Shields ...	29.88	50	SW	3	c	29.91	+ 10	43	42	0	N	2	op	3	54	35			
Spurn Head ...	29.91	47	SE	4	bc	29.90	- 03	39	38	- 6	NE	4	r	3	56	37	0.21		
York ...	29.91	52	W	1	c	29.92	00	43	41	- 2	NNW	1	bc	*	56	38	0.08		
Loughborough	29.91	51	SW	1	o	29.90	- 07	39	38	- 6	ESE	1	o	*	56	39	0.15		
Ardrossan ...	29.86	46	SW	4	b	29.94	+ 12	47	44	+ 3	NE	1	bcm	0	50	35	0.02		
Malin Head ...	29.83	47	WNW	2	b	29.93	+ 08	40	40	- 4	NNE	2	or	2	51	38	0.06		
Mullaghmore	29.69	47	WNW	4	bv	29.94	+ 06	45	42	+ 2	E	2	bc	2	50	38	0.36		
Belmullet ...	29.92	47	NW	2	b	29.93	+ 02	46	43	+ 4	NE	4	c	*	47	41	0.10		
Donaghadee ...	29.90	42	SW	2	bc	29.95	+ 07	45	44	0	N	3	c	1	53	40	0.12		
GERMANY.																			
Barrow-in-Furness	29.92	45	SSE	3	b	29.91	+ 04	40	38	- 3	NNE	2	c	*	49	36			
Liverpool (Bidston)	29.93	45	NW	1	bc	29.92	- 02	43	40	- 2	NE	1	sm	2	52	40			
Holyhead ...	29.92	46	SW	1	b	29.93	- 02	49	44	+ 2	W	0	bw	0	52	37			
Parsonstown ...	29.92	47	W	0	c	29.95	+ 04	44	42	0	W	0	b	*	52	31			
Valencia ...	29.95	47	SW	2	bc	29.97	+ 01	49	45	+ 5	NNE	1	bc	2	52	37			
FRANCE & NETHERLANDS.																			
Roche's Point...	29.92	48	WSW	3	bc	29.94	+ 01	44	41	+ 1	NNW	2	b	3	49	36			
Pembroke ...	29.92	44	NW	1	b	29.92	- 03	45	43	+ 1	E	1	b	0	49	38	0.05		
Scilly ...	29.91	48	NNW	2	bc	29.91	- 05	48	45	- 2	NNW	1	bc	3	54	43			
Prawle Point ...	29.92	41	ESE	2	o	29.91	- 10	43	41	- 5	N	2	c	2	50	35	0.02		
Jersey ...	29.87	49	ESE	1	omf	29.88	- 13	44	43	- 2	NNE	3	omf	3	50	43	0.16		
Hurst Castle ...	29.92	44	NE	1	rm	29.89	- 12	43	42	- 2	NNE	3	c	1	51	38	0.29		
Dungeness ...	29.91	44	ESE	3	r	29.83	- 19	42	42	- 5	N	3	o	1	51	41	0.10		
London ...	29.92	50	SE	3	og	29.87	- 15	42	40	- 4	NW	2	o	*	56	39	0.23		
Oxford ...	29.91	47	S	1	o	29.91	- 11	41	39	- 3	NNW	2	o	*	55	39	0.15		
Cambridge ...	29.92	50	SE	1	o	29.88	- 13	41	41	- 5	N	1	o	*	58	36	0.21		
PENINSULA.																			
Yarmouth ...	29.98	46	SSE	4	bc	29.81	- 19	41	40	- 4	N	4	r	4	48	40	0.34		
Cuxhaven ...	30.08	43	N	1	c	29.87	- 12	47	46	+ 3	E	4	r	*	51	43	0.20		
Berlin ...	30.09	58	N	1	r	29.97	- 17	58	51	+ 6	SSE	3	c	*	66	52			
Wiesbaden ...	*	*	*	*	*	29.94	- 19	57	53	+ 8	SE	1	o	*	61	48	0.04		
Munich ...	30.09	54	E	3	o	30.07	- 15	59	50	+ 12	SW	4	o	*	64	43			
PORTUGAL.																			
The Helder ...	30.01	47	NE	1	c	29.79	- 22	49	48	+ 5	S	1	b	1	50	43			
Brussels ...	*	*	*	*	*	29.83	- 26	53	51	+ 8	S	1	o	*	56	?	0.20		
Cape Gris Nez...	29.92	48	E	3	o	29.82	- 22	44	44	- 1	N	3	m	1	62	43	0.04		
Paris ...	29.92	51	ESE	1	r	29.88	- 23	52	50	+ 5	S	1	r	*	55	45	0.12		
Brest ...	29.91	48	N	3	o	29.88	- 12	43	41	- 1	ESE	1	o	2	57	39	0.20		
Lorient ...	29.88	54	ESE	1	o	29.86	?	46	46	- 1	N	4	r	2	54	45	0.12		
Rockfort ...	29.92	62	ESE	4	o	29.93	- 09	53	51	+ 1	SSE	3	o	2	68	46			
Belfort ...	29.95	62	E	1	bc	29.94	- 18	63	56	+ 9	E	1	c	*	67	43			
Lyons ...	29.99	61	NNW	5	o	30.00	- 13	58	?	+ 5	S	4	r	*	71	?			
Nice ...	30.20	53	WSW	1	c	30.19	- 02	53	51	- 2	W	0	b	1	64	?			
Perpignan ...	29.95	63	N	3	bc	30.03	- 08	51	?	- 3	W	0	o	*	67	46			
Biarritz ...	29.89	56	W	8	o	29.84	- 11	54	49	- 10	ESC	5	c	2	77	48			
PORTUGAL.																			
Corunna ...	*	*	*	*	*														
Lisbon ...	29.94	61	W	3	o	29.89	- 11	56	53	- 2	NNW	4	o	2	66	54			

For Explanation of Columns, see p. 4.

WEATHER CHARTS

for 8 a.m. on

Friday, 29th April

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.

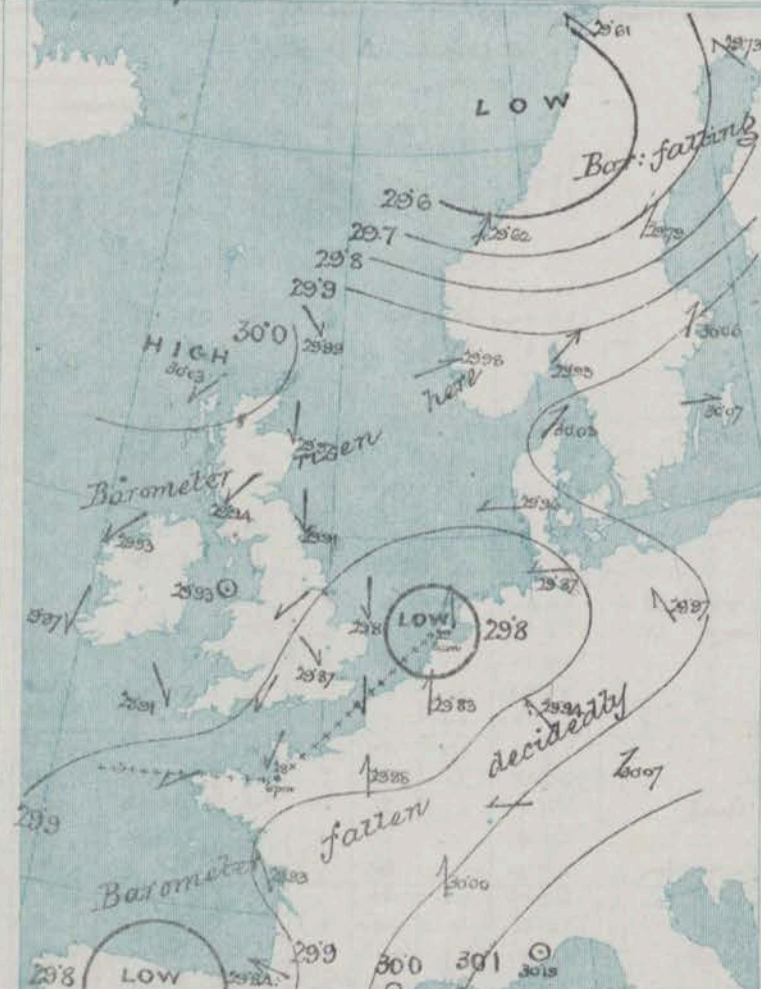
Sea Disturbance — where considerable is shown thus

■ = Rough. ■ = High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.838
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.849
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Scilly	29.867
Hurst Castle	29.866
Dover	29.866
LONDON	29.875
Oxford	29.875
Cambridge	29.878
Yarmouth	29.873



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

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

Weather — is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	46.3	37.5	41.7	40.6	2.16
Stornoway	49.1	37.5	44.1	42.3	2.51
Wick	49.3	37.6	43.0	41.1	1.56
Nairn	51.6	38.4	43.4	40.8	1.33
Aberdeen	49.5	39.3	43.2	40.9	2.23
Leith	53.2	38.0	44.4	42.4	1.66
Shields	49.3	39.8	43.8	41.7	1.94
York	54.3	38.1	44.5	42.4	1.86
Ardrossan	52.8	40.8	45.0	42.1	2.23
Donaghadee	51.8	40.3	45.0	43.4	3.02
Holyhead	52.3	43.1	46.4	44.5	1.86
Liverpool	53.3	41.0	46.0	43.1	1.56
Valencia	54.4	43.5	48.8	46.1	4.01
Roche's Point	54.7	42.9	47.8	45.2	3.43
Pembroke	51.2	42.5	45.9	44.0	2.10
Scilly	52.7	45.5	49.2	47.4	2.45
Hurst Castle	51.9	42.1	45.1	43.9	1.87
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	50.9	40.3	47.0	44.3	1.86
Oxford	54.9	39.6	44.9	43.0	1.79
Cambridge	56.3	38.4	45.6	43.5	1.76
Yarmouth	49.7	40.4	45.2	43.7	1.80

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, 30.0 in.: to 30.2 in.: over the southeastern parts of France — 30.0 in.: and more, over the north of Scotland.
Lowest, about 29.8 in.: over the north of Spain and also over Holland and our southeast coast. About 29.6 in.: over the NW of Norway.
Gradients moderate for W. winds in Norway — slight and variable elsewhere. Barometer unsteady.

TEMPERATURE

Highest, 63° at Belfort. 51° to 59° over Germany, the east and south of France and Portugal.
Lowest, 39° at Loughborough. Spain N. and Norway, 38° to 40° in the north of Sweden.
It is decidedly lower over Great Britain than it was yesterday. [It rose to 77° at Birmmgham and 71° at Lyons yesterday afternoon.]

WIND

Light to moderate from the northward over the British Isles, the Channel, and Brittany, as well as in Portugal.
Moderate from S. over the greater part of France, from SE. in Germany, and from E. in Denmark.
Over the southern parts of Scandinavia it is SW., and in the north SE.

WEATHER

Fine on our western and northern coasts, and in Sweden — Cloudy and dull elsewhere.
Rain is falling in the north of France, the Netherlands, and the east of England, and local showers in a few other places.
[Rain fell yesterday except in Wales and the southern half of Ireland; thunder and lightning occurred at Rockabinn.]

SEA

Moderate on our eastern coasts, smooth generally elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The present distribution of pressure is indicative of very changeable unsettled weather in the region which separates the two high-pressure areas, where a good deal of cold rain is likely to fall, accompanied in some localities by lightning and thunder.

In the west and northwest, however, fine weather is probable.

FORECASTS

For the 24 hours ending at NOON on 30th April 1887.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW th and N th breezes, light; cloudy, fair as a whole, but some slight showers.
1	SCOTLAND EAST	----- D° ----- D° ----- D° -----
2	ENGLAND N.E.	Similar to No 5.
3	ENGLAND EAST	Similar to No 5.
4	MIDLAND COUNTIES	Similar to No 5.
5	ENGLAND SOUTH	N th winds, light; cold, cloudy, some rain at times.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No 5.
7	ENGLAND N.W.	Same as No 5.
8	ENGLAND S.W.	NW th breezes, light; fair, cold.
9	IRELAND NORTH	N th breezes, varying, light; fair, cold.
10	IRELAND SOUTH	----- D° ----- D° ----- D° -----
WARNINGS		NONE ISSUED.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	29.75	45	41	S 7	c	6	Holyhead ...	29.94	51	43	W 1	b	2
Sumburgh Head ...	29.71	42	40	N 1/2 W 3	o	4	Valencia ...	29.95	52	45	W 1/2 W 3	b v	3
Stornoway ...	29.88	46	44	SSE 2	c	2	Scilly ...	29.98	46	44	N 2	c p	4
Aberdeen ...	29.82	47	43	SSE 2	p	1	Dungeness ...	29.99	49	47	SW 2	b c	2
Shields ...	29.87	52	42	W 3	e	2	London ...	29.96	54	45	SSE 3	c	*
Ardrossan ...	29.87	46	40	W 4	c	3	Yarmouth ...	30.00	47	45	SSE 5	b	3
Malin Head ...	29.83	50	48	W 2	b	2	Jersey ...	29.92	49	49	E 2	o	2
Mullaghmore ...	29.89	49	45	W 4	b c v	2	Rochefort ...	29.96	61	57	N 1/2 W 1	o	2
Belmullet ...	29.93	47	44	N 1/2 W 1	b	*							

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 ins: and upwards, over Central Russia, but high, 30.1 ins: and upwards, over the whole of Eastern and Southern Europe. The lowest readings, 29.5 ins: and less, were found in a depression the centre of which lay off the west of Norway, but shallow disturbances were also lying respectively off the southwest of our Islands and over the southern part of the Bay of Biscay. The wind which was generally light or moderate in force varied greatly in direction; over Scandinavia, Germany, and France it was chiefly SE^{3/4}, but over the British Islands it was W^{3/4}, while over Eastern and Southern Europe it was exceedingly light and variable. Rain was falling in the northern parts of Scotland, Germany, and France, but elsewhere the weather although dull in places was generally fair. Temperature had fallen a little in Russia and Italy, but risen in most other countries, and readings ranged from between 55° and 65° over Algeria, Spain, and the southern parts of Italy and Austria to 45° or less at most of the northern stations and to 32° or less over Northern Russia. The highest individual readings were 68° at Bilbao and Palma, 67° at Biskra, 66° at Algiers, 63° at Oran, La Calle, Sfax, Annaba, and Brindisi and 62° at Trieste, the lowest were 32° at Archangel, 40° at Sumburgh Head, 41° at Hango, and 42° at several of the other northern stations.

In the course of the day the depression off the west of Norway moved northeastwards, while the disturbance off our southwest coast moved eastwards along the Channel. At our extreme northern stations therefore the weather improved, but in the south of England cold rain set in towards evening, and continued for several hours.

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 30th April 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	34	S	2	bc	29.52	-21	36	85	-2	S	2	b	*	89	32	-	
Hernösand ...	29.86	41	2	0	b	29.78	-01	45	43	+5	N	2	b	*	55	34	-	
Stockholm ...	29.96	42	2	0	r	29.76	-30	40	39	-5	NE	4	0	*	54	36	0.18	
Wisby ...	29.91	44	SSE	4	0	29.76	-31	42	42	-3	WSW	4	0	*	54	34	-	
Bodö ...	29.65	42	NNE	4	b	29.74	+13	37	85	-7	NNE	5	8	3	46	37	-	
Christiansund...	29.84	40	WSW	9	r	29.92	+30	41	39	0	SW	4	0	5	41	36	0.63	
Skudesnaes ...	29.95	42	NW	2	0	29.91	-07	42	39	-2	NW	6	C	4	46	41	-	
Christiania Fjord (Færder)	29.90	42	2	0	0	29.77	-16	42	39	-1	N	4	C	2	45	41	-	
Skagen (The Scaw)	29.84	45	E	3	0	29.75	-28	41	40	+3	ESE	3	0	2	45	37	0.12	
Faenø ...	29.76	45	S	2	r	29.82	-14	42	42	+2	NW	4	C	*	45	?	0.28	
BRITISH ISLANDS.																		
Sumburgh Head	29.99	40	NNE	2	C	30.06	+07	38	36	-2	N	2	C	2	45	34	0.01	
Stornoway ...	30.10	43	NNE	2	C	30.15	+12	45	42	+6	NNW	1	bc	1	45	35	-	
Wick ...	30.07	39	N	2	0	30.10	+10	43	40	0	N	1	bc	0	46	33	0.15	
Nairn ...	30.05	43	2	0	C	30.13	+14	41	38	0	N	2	C	2	46	36	0.01	
Aberdeen...	30.02	44	N	4	C	30.12	+15	41	39	-2	NNE	4	0	2	46	35	0.03	
Leith ...	30.03	46	NE	1	C	30.14	+18	44	41	+4	N	1	C	*	48	39	-	
Shields ...	29.98	45	NNE	3	C	30.12	+21	45	42	+2	NNE	3	cp	3	48	35	-	
Spurn Head ...	29.97	43	NNE	4	bc	30.09	+19	43	42	+4	NNE	3	b	4	44	37	0.02	
York ...	29.96	47	WNW	1	0	30.12	+20	43	41	0	WNW	2	b	*	49	34	0.06	
Loughborough	29.96	45	ESE	2	0	30.12	+22	36	36	-3	WNW	1	cmw	*	49	28	-	
GERMANY.																		
Ardrossan ...	30.01	47	NE	2	0	30.15	+21	45	44	-2	2	0	om	0	50	39	-	
Malin Head ...	30.01	46	NNE	2	0	30.15	+22	44	43	+4	N	3	op	2	48	40	0.04	
Mullaghmore ...	30.02	44	E	2	0	30.17	+23	45	42	0	N	1	b	1	52	39	0.03	
Belmullet ...	30.03	48	NE	3	b	30.18	+25	47	43	+1	NE	3	bc	*	49	42	0.01	
Donaghadee ...	30.00	47	NE	4	bc	30.16	+21	45	42	0	E	2	C	0	51	42	-	
FRANCE & NETHERLANDS.																		
Barrow-in-Furness	29.98	45	NNE	2	0	30.13	+22	42	40	+2	NE	3	bc	*	44	36	0.18	
Liverpool (Biston)	29.98	43	NW	1	r	30.13	+21	42	40	-1	SE	1	om	1	47	40	0.08	
Holyhead ...	29.98	45	NNE	2	b	30.12	+19	44	43	-5	NNE	2	mw	1	51	41	-	
Parsonstown ...	29.99	43	S	1	C	30.13	+18	43	41	-1	NW	1	bc	*	55	30	0.06	
Valencia ...	29.99	50	NW	3	bc	30.13	+16	48	43	-1	NE	2	b	3	53	38	-	
Roche's Point...	29.95	45	NNE	4	C	30.09	+15	45	42	+1	N	2	b	3	50	36	0.06	
Pembroke ...	29.96	46	N	3	b	30.09	+17	44	42	-1	SE	2	C	1	49	39	-	
Scilly ...	29.95	48	WSW	2	bc	30.00	+09	49	46	+1	NNE	4	C	3	50	44	-	
Prawle Point ...	29.94	47	WSW	2	b	30.05	+14	44	42	+1	ESE	4	C	3	54	39	-	
Jersey ...	29.91	48	NNE	3	bc	29.98	+10	47	45	+3	ESE	4	bcw	3	49	43	0.08	
NETHERLANDS.																		
Hurst Castle ...	29.93	47	WSW	2	C	30.06	+17	44	42	+1	ESE	4	C	1	52	38	-	
Dungeness ...	29.89	46	N	3	0	30.01	+18	44	43	+2	NNE	4	0	3	46	37	0.01	
London ...	29.95	48	N	2	C	30.07	+20	44	40	+2	NNE	3	C	*	48	40	-	
Oxford ...	30.01	39	NE	1	bc	30.11	+20	43	41	+2	NE	2	b	*	50	34	-	
Cambridge ...	29.97	42	N	2	r	30.11	+23	44	42	+3	N	1	0	*	47	26	0.01	
Yarmouth ...	29.91	42	N	4	C	30.05	+24	45	43	+4	NNE	3	C	3	46	40	0.02	
GERMANY.																		
Cuxhaven ...	29.81	47	NE	1	bc	29.87	00	46	45	-1	W	3	0	*	56	44	0.06	
Berlin ...	29.88	60	2	0	bc	29.90	-07	58	54	0	WNW	4	C	*	72	54	0.08	
Wiesbaden ...	*	*	*	*	*	29.97	+03	53	50	-4	SW	1	0	*	57	50	0.32	
Munich ...	29.97	57	SE	1	b	30.05	-02	56	51	-3	SE	3	0	*	68	48	-	
FRANCE & NETHERLANDS.																		
The Helder ...	29.82	44	NW	4	C	30.03	+24	44	40	-5	N	3	C	3	54	43	-	
Brussels ...	*	*	*	*	*	30.02	+19	43	40	-10	NE	3	0	*	56	42	0.24	
Cape Gris Nez...	29.91	45	NNE	4	0	30.02	+20	43	41	-1	ESE	7	0	4	48	41	-	
Paris ...	29.90	50	N	5	r	29.96	+08	42	42	-10	N	3	r	*	66	41	0.24	
Brest ...	29.94	50	ESE	4	C	29.99	+11	42	40	-1	ESE	4	0	3	57	39	-	
NETHERLANDS.																		
Lorient ...	29.92	49	NE	4	0	29.92	+06	46	44	0	ESE	5	0	2	?	43	0.16	
Rochefort ...	29.90	59	NW	4	C	29.93	00	55	54	+2	NNE	1	ELT	2	68	50	0.12	
Belfort ...	29.90	72	W	3	b	29.96	+02	54	51	-9	W	1	r	*	78	49	0.04	
Lyons ...	29.95	62	SEW	5	0	29.98	-02	58	48	0	SSE	1	0	*	69	57	-	
Nice ...	30.18	52	WSW	1	0	30.13	-06	57	?	+4	2	0	0	2	64	48	?	
FRANCE & NETHERLANDS.																		
Perpignan ...	30.02	57	NW	3	0	30.00	-03	56	55	+5	E	3	0	*	63	?	-	
Biarritz ...	29.77	73	ESE	5	0	29.82	-02	59	55	+5	E	3	0	1	79	50	-	
NETHERLANDS.																		
Corunna ...	*	*	*	*	*	29.96	+07	35	53	-5	NE	5	0	4	63	50	0.12	
Lisbon ...	29.82	59	NNE	4	b	29.84	-03	57	56	+1	NW	3	b	2	63	34	-	

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

WEATHER CHARTS

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

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.

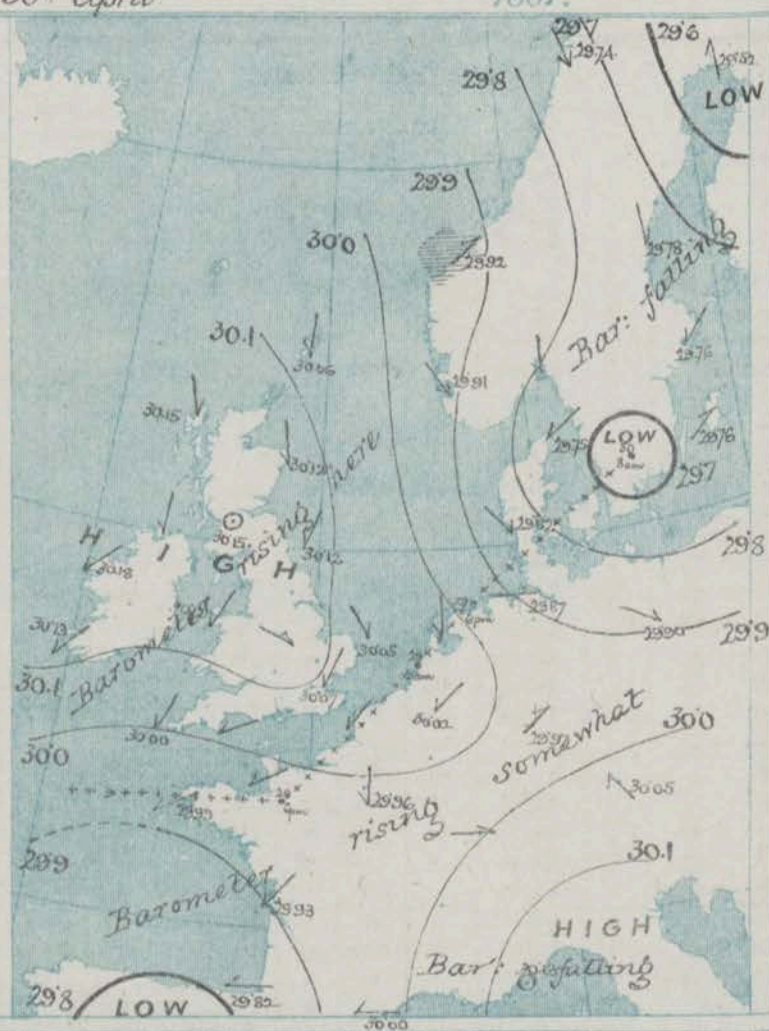
Sea Disturbance — where considerable is shown thus

■ = Rough. ■ = High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.833
Stornoway	29.806
Wick	29.838
Nairn	29.841
Aberdeen	29.843
Leith	29.851
Shields	29.860
York	29.868
Ardrossan	29.850
Donaghadee	29.843
Holyhead	29.846
Liverpool	29.859
Valencia	29.845
Roche's Point	29.841
Pembroke	29.847
Selly	29.867
Hurst Castle	29.866
Dover	29.866
LONDON	29.876
Oxford	29.875
Cambridge	29.878
Yarmouth	29.873



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

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

Weather — is shown by Letters of the Beaufort Scale.

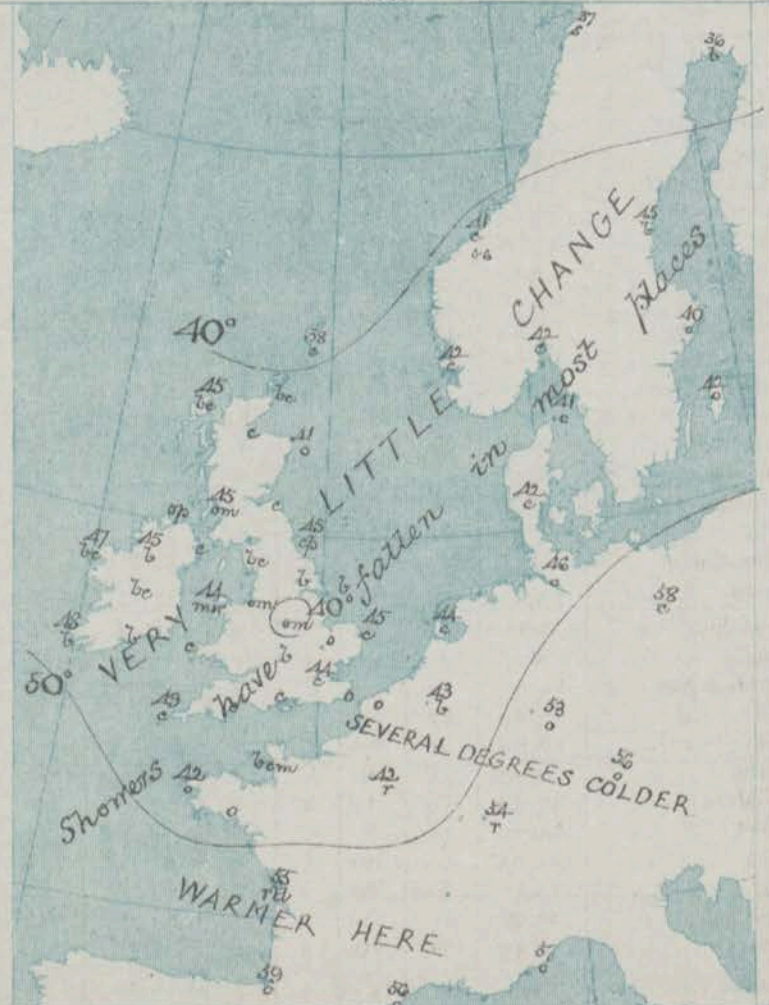
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of April

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max	Daily Min.	Ave. at 8 a.m.	Wet	
Sumburgh Head	46.8	37.5	41.7	40.6	2.16
Stornoway	49.1	37.5	44.1	42.3	2.51
Wick	49.3	37.6	43.0	41.1	1.56
Nairn	51.6	38.4	43.4	40.8	1.29
Aberdeen	49.5	39.3	43.2	40.9	2.23
Leith	53.3	38.6	44.4	42.4	1.05
Shields	49.3	39.8	43.8	41.7	1.94
York	54.2	38.1	44.5	42.4	1.86
Ardrossan	52.8	40.8	45.0	42.1	2.23
Donaghadee	51.8	40.3	45.0	43.4	2.02
Holyhead	52.3	43.1	46.4	44.5	1.86
Liverpool	53.3	41.0	46.0	43.1	1.56
Valencia	54.4	43.5	48.5	46.1	4.01
Roche's Point	54.7	42.9	47.3	45.2	3.43
Pembroke	51.3	42.5	45.9	44.0	2.10
Selly	52.7	45.6	49.2	47.4	2.45
Hurst Castle	51.9	42.1	45.1	43.0	1.87
Dover	51.5	42.6	46.4	43.8	1.81
LONDON	55.9	40.2	47.0	44.3	1.86
Oxford	54.9	39.6	44.9	43.0	1.79
Cambridge	56.3	38.4	45.6	43.5	1.76
Yarmouth	49.7	40.4	45.2	43.7	1.80

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 more, over Ireland, Scotland and the NW of England - as well as in the south east of France.
Lowest, about 29.8 ins: over Spain, 29.7 ins: over the south of Sweden, 29.5 ins: over Finland.
Gradients are moderate, for N winds in the east, and for E winds on our southern coasts and in the north of France.
Barometer is rising, slowly except in the south of Sweden.

TEMPERATURE

Highest, 56° to 59° over Spain and the southern parts of France, as well as in Germany.
Lowest, 36° at Loughborough, 36° to 37° in the N. of Scandinavia, 38° at Lumburg H^{ts}, and 41° in the east of Scotland.
It is much lower in Belgium, and Central France, than it was yesterday.
[A sharp frost occurred over the Midland and eastern counties of England last night.]

WIND

Light to moderate from the NW over most parts of the United Kingdom.
Moderate from NE in the Channel, Bay of Biscay, and north of France - Very variable in the SE. of France.
Moderate NW on the eastern shores of the North Sea - Very variable in Sweden.

WEATHER

Fine and bright on our western and northwestern coasts, and also over the north of Sweden.
Cloudy elsewhere, with slight showers at Shields, rain in several parts of France and a thunderstorm at Rochefort.
[Showers fell locally yesterday in almost all parts of Western Europe].

SEA

Very little disturbed.

The Newspapers report that snow squalls were again prevalent in North Wales on Thursday night and yesterday morning, and that the mountains had been covered with snow for a week.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclonic ridge over our Islands is spreading more and more to the southward. The barometer seems inclined to fall a little in the Hebrides, so that the wind in Scotland is likely to back to NW. and W, while over Ireland and England N² and NE² breezes and fair weather are probable.

FORECASTS

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

1887.

DISTRICTS.

FORECASTS.

Wind backing to NW. or W. and freshening;
fair to showery

-----D°-----D°-----D°-----

N² or NW² breezes, light; fair as a whole, but
some cold showers.

-----D°-----D°-----D°-----

NE² and N² breezes, light; fine, very cold
at night, and perhaps foggy.

NE² breezes, moderate; cloudy, some
slight showers.

DISTRICTS.

FORECASTS.

6 SCOTLAND
WEST

Same as N° 0

7 ENGLAND
N. W.

Same as N° 0

8 ENGLAND
S. W.

Same as N° 5

9 IRELAND
NORTH

N² breezes, light; fair, very cold at night.

10 IRELAND
SOUTH

-----D°-----D°-----D°-----

WARNINGS

NONE ISSUED.

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudeanaes ...	29.98	46	43	WNW 2	0	4	Holyhead ...	29.97	47	43	WNW 2	0	1
Sumburgh Head ...	29.97	44	39	WNW 3	bc	3	Valencia ...	29.98	53	49	NW 3	bcv	4
Stornoway ...	30.08	43	41	NE 2	chp	2	Scilly ...	29.94	50	46	N 2	e	3
Aberdeen ...	30.00	46	43	NE 3	cp	2	Dungeness ...	29.86	46	45	N 3	0	2
Shields ...	29.94	47	42	NNE 2	c	3	London ...	29.90	47	43	NW 2	0	*
Ardrossan ...	29.96	50	45	NE 4	c	2	Yarmouth ...	29.86	42	41	N 4	odp	4
Malin Head ...	29.97	47	46	NNE 2	bc	2	Jersey ...	29.91	46	45	NE 3	0	3
Mullaghmore ...	29.98	51	47	NW 4	cv	2	Rochefort ...	29.91	61	57	NW 4	bc	2
Belmullet ...	30.00	49	44	NNE 3	0	*							

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

The Continental Reports for yesterday morning showed that a large area of high pressure (30.1 ins. and upwards) was lying over nearly the whole of Eastern and Southern Europe, while a depression, with readings below 29.6 ins. existed over the NW. of Norway. In addition to the latter system, however, a large trough of low readings (29.3 ins. and less) extended SW^{ly} from Denmark across England, France, and North Germany to the north of Spain, and over the Netherlands there was a small depression in which the barometer was below 29.8 ins. The wind was light or moderate from the SE ^{or} Italy and Central Europe, and from NE. over the greater part of the British Isles and the north of France, but in the south of Scandinavia it blew strongly from the SW^{ly}, and at Christiansund there was a fresh gale. Rain was falling in the north of France, the east of England, and the south of Denmark, as well as at Haparanda, but elsewhere the weather was mostly fair. Temperatures had fallen a little over our Islands as well as in Scandinavia and Austria, but risen elsewhere, readings ranged from 70° or upwards at some of the Algerian stations, and from 60° or upwards in Spain and Southern Italy, to 40° or less in Northern Europe. The highest individual readings were 75° at Algiers, 73° at Bilbao, 68° at Lissabon and Palma and 66° at Annab; the lowest were 37° at Archangel, 38° at Haparanda and Skagen, and 39° at Stornoway, Spurn Head and Loughborough.

In the course of the day the depression over the Netherlands moved slowly northward, and the rain over France and the east of England therefore ceased. Beyond this no important change in the weather was observed.

Erratum. In the Monthly Summary for March, under "Means of Minima" at Hawke Point for 44.2 please read 34.2

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.

STATIONS in the BRITISH ISLANDS during the Month of APRIL 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	Rain	Snow	Hail	Thunderstorms	Clear Sky	Overcast	Gales	No. of Observation of								
												North	N.E.	East	S.E.	South	S.W.	West	N.W.	Calms
%		ins.	in.																	
81	7.5	1.72	0.54	22 nd	18	2	0	0	3	13	0	6	3	1	4	2	2	4	4	4
84	6.4	1.63	0.27	21 st	18	4	0	0	8	14	2	7	1	0	1	7	0	2	10	2
94	7.0	4.64	0.97	23 rd	16	6	3	0	5	13	5	8	3	1	0	2	5	5	2	4
82	6.5	1.59	0.36	26 th	13	3	4	0	4	8	0	5	3	0	1	0	5	6	1	9
79	6.1	1.82	0.52	21 st	16	3	5	0	7	12	1	8	3	0	0	5	5	1	7	9
80	6.2	0.97	0.44	20 th	9	1	1	0	4	5	0	3	3	2	5	0	3	9	5	0
82	6.5	0.64	0.25	21 st	9	0	1	0	7	11	2	4	6	3	1	3	5	6	1	1
82	5.6	0.55	0.13	26 th	13	1	0	0	9	9	0	8	2	3	0	6	2	8	1	0
84	4.4	1.05	0.28	23 rd	16	2	0	1	11	4	2	4	7	2	1	3	4	6	3	0
81	5.2	1.04	0.34	28 th	13	2	2	0	8	5	2	3	8	3	0	0	6	5	5	0
81	7.0	1.07	0.28	24 th	13	3	1	0	7	17	0	9	3	2	1	4	4	2	4	1
80	6.7	1.15	0.45	26 th	9	2	4	1	3	12	3	3	8	1	0	2	4	8	3	1
83	5.5	1.13	0.42	26 th	9	2	2	1	13	12	3	4	8	1	1	1	7	3	4	1
78	6.1	1.52	0.25	24 th	11	2	1	0	7	11	3	4	6	4	0	2	5	6	3	0
88	5.5	1.86	0.52	6 th	16	4	0	0	8	8	1	6	7	4	1	0	3	7	2	0
89	5.1	0.96	0.29	28 th	11	0	0	0	8	4	5	5	9	3	0	0	2	6	3	2
83	5.6	2.26	0.51	21 st	13	1	1	2	11	12	0	2	10	3	1	0	4	4	4	2
92	7.2	2.95	0.54	4 th	15	7	5	1	6	17	0	5	5	2	6	6	3	0	3	0
83	5.1	1.68	0.28	27 th	11	6	0	0	9	7	3	5	9	1	1	3	5	1	5	0
76	6.6	0.93	0.23	26 th	10	0	2	1	8	14	0	2	6	3	4	2	5	6	2	0
83	4.7	1.16	0.25	4 th & 24 th	10	1	3	0	7	1	1	4	5	4	0	1	6	5	3	2
82	4.3	0.62	0.22	25 th	9	0	0	0	10	4	2	3	6	5	2	1	2	5	4	2
80	4.5	1.05	0.49	23 rd	8	0	1	0	12	7	3	5	7	6	1	0	4	2	3	2
89	9.3	1.46	0.31	20 th	18	1	4	1	1	26	0	4	3	1	4	4	3	6	5	0
83	5.6	2.04	0.47	23 rd	11	2	1	0	6	8	2	2	4	8	0	2	4	8	2	0
80	5.7	2.44	0.47	25 th	14	4	8	1	9	6	5	4	1	10	2	1	6	4	2	0
82	5.7	3.47	0.83	25 th	14	1	0	0	9	9	1	5	5	5	1	2	4	3	5	0
83	4.6	1.82	0.57	21 st	12	1	0	0	13	9	0	2	3	0	2	1	5	2	3	12
79	4.8	1.92	0.38	24 th	11	2	1	1	7	4	0	5	6	3	3	0	3	3	3	4
79	3.9	0.96	0.18	21 st & 24 th	12	0	1	2	16	4	2	8	3	4	1	2	3	3	6	0
84	6.9	0.87	0.26	26 th	10	0	3	0	5	11	3	3	6	9	1	1	3	4	3	0
80	4.8	2.34	0.82	22 nd	13	0	0	1	10	8	6	3	12	4	1	0	4	2	3	1
Barometric Observations at this Station are not corrected for altitude.																				

Baremetric Observations at this Station are not corrected for altitude.

Barometer at Pringle Point for 44.2 please read 34.2.

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.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
1	York	-	-	-	-	-	29.72	-36	-	-	-	-	-	-	-	-	-	-	
-	Mullaghmore 2pm	-	-	-	-	-	-	-	47	-	-	-	-	-	-	-	-	-	
2	Leith	29.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	Ardrossan 2pm	-	-	-	-	-	29.96	-	-	-	-	-	-	-	-	-	-	-	
3	Spurn Head..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	-	
-	Loughborough	-	-	-	-	-	-	-	-	41	-	-	-	-	-	-	-	-	
4	Sumburgh Hd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	
5	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47	-	-	
7	Cambridge	-	-	-	-	-	-	-	45	44	+4	-	-	-	-	-	-	-	
8	Sumburgh Hd	-	-	-	-	-	30.18	-09	-	-	-	-	-	-	-	-	-	-	
-	Belmullet...	-	-	-	-	-	-	-	-	38	-	-	-	-	-	-	-	-	
-	Dungess...	-	-	-	-	-	-	-	-	-	-	NE	-	-	-	-	-	-	
10	Valencia...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain	
12	Stornoway..	30.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	Ardrossan..	30.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
13	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-	
15	Valencia....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	-	-	
16	Pembroke...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	-	
17	Pembroke...	-	-	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18	Mullaghmore	-	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	Barrow-in-Fur.	30.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
19	Irish	-	-	-	-	-	-	-	-	-	-	W	-	-	-	-	-	-	
-	Loughborough	-	-	-	-	C	-	-	-	-	-	-	-	-	-	-	-	-	
-	Mullaghmore	-	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20	Munich	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04	
21	Sumburgh Hd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	No rain	
-	Stornoway...	29.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	Naim	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-	-	
-	Aberdeen...	-	-	-	-	-	29.88	-	-	-	-	-	-	-	-	-	-	-	
22	Loughborough	-	-	-	-	-	29.53	-41	-	-	-	-	-	-	-	-	-	-	
24	Pembroke...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	-	
25	Loughborough	-	-	-	-	-	29.64	+36	-	-	-	-	-	-	-	-	-	-	
-	Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-	
-	Ardrossan...	-	-	-	-	-	-	-	-	-	-	SW	4	-	-	-	-	-	
27	Stornoway...	-	-	-	-	-	-	-	36	-	-	-	-	-	-	-	-	-	
-	Pravle Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	
-	Cambridge...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.12	
28	Skagen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.08	
-	Tanö	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04	
-	Sumburgh Hd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.34	
-	Stornoway...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07	
-	Irish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	
-	Naim	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11	
-	Pravle Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	-	-	
-	Ardrossan 2pm	-	-	-	-	-	29.85	-	-	-	-	-	-	-	-	-	-	-	
30	Loughborough	-	-	-	-	-	-	-	37	-	-2	-	-	-	-	-	-	-	

CORRECTIONS AND ADDITIONS TO THE REPORTS FOR APRIL 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.	
				Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.		
1	Corunna...	*	*	*	*	*	30.01	-0.09	46	45	-3	ESE	1	f	4	63	39	-	
2	Brussels...	*	*	*	*	*	29.82	+0.42	40	-	+4	NW	3	0	*	44	7	0.04	
-	Lyons...	29.62	32	NW	1	S	29.76	+0.09	35	-	-3	N	1	0	*	44	32	0.51	
-	Corunna...	*	*	*	*	*	29.89	-0.12	49	48	+3	NNE	9	f	6	57	43	-	
4	Corunna...	*	*	*	*	*	29.76	-0.13	52	51	+4	NNE	7	0	5	55	36	-	
5	Brussels...	*	*	*	*	*	29.50	-0.43	46	-	+1	WSW	1	0	*	60	43	0.04	
-	Corunna...	*	*	*	*	*	29.93	+0.17	49	46	-3	N	9	T	5	57	41	0.04	
6	Brussels...	*	*	*	*	*	29.52	+0.02	43	42	-3	WNW	4	0	*	50	42	0.47	
-	orient...	29.63	46	NW	5	C	29.63	+0.02	40	-	-2	NE	7	0	5	50	36	-	
-	Corunna...	*	*	*	*	*	29.88	-0.05	43	43	-6	WNW	8	T	7	52	39	0.08	
9	Corunna...	*	*	*	*	*	29.95	+0.06	49	47	+5	S	3	6	3	61	41	0.04	
11	Corunna...	*	*	*	*	*	29.89	+0.10	48	48	-6	SW	3	T	3	70	3	0.63	
16	Corunna...	*	*	*	*	*	30.34	+0.16	47	46	-7	E	3	6	3	61	37	-	
18	Corunna...	*	*	*	*	*	30.38	+0.40	47	46	-2	ESE	1	6	3	55	37	-	
20	Corunna...	*	*	*	*	*	30.30	-0.08	53	50	+6	NE	3	0	0	61	43	0.04	
22	Corunna...	*	*	*	*	*	30.08	-0.12	48	46	-6	E	3	6	2	59	37	-	
23	Belfast...	29.71	61	W	1	bc	29.73	-0.04	59	-	+3	W	1	6	*	71	30	-	
-	Corunna...	*	*	*	*	*	29.81	-0.22	59	57	+11	WSW	4	0	3	59	37	0.04	
27	Corunna...	*	*	*	*	*	30.23	-0.11	58	54	+4	W	1	6	1	59	37	-	
28	Corunna...	*	*	*	*	*	30.06	-0.17	59	57	+1	SW	4	6	3	67	50	-	
29	Corunna...	*	*	*	*	*	29.89	-0.17	60	57	+1	S	3	T	3	62	50	-	

Continued on page 4.

Continued on page 4.

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

Names of Districts.	Names of Stations.	Mean height of Barometer (at 32° Fahrenheit and Mean Sea Level) from observations made at 8 a.m. ins.	Air Temperature.								Tension of Vapour ins.
			At 8 a.m.	Means of			Absolute Extremes.				
				Minima	Maxima	Min. and Max. combined	Minimum	Date	Maximum	Date	
0. SCOTLAND, N.	Sumburgh Head ...	29.906	40.4	34.7	45.8	40.3	28	14 th	52	17 th	208
	Wick ...	29.943	42.6	35.2	48.9	42.1	27	10 th	58	17 th	229
	Stornoway ...	29.961	41.4	35.1	47.2	41.2	29	7 th	52	18 th + 22 nd	242
1. SCOTLAND, E.	Nairn ...	29.962	41.5	35.0	49.1	42.4	28	26 th	60	17 th	213
	Aberdeen ...	29.961	42.7	35.9	49.7	42.8	29	8 th , 15 th + 46 th	67	17 th	244
	Leith ...	29.989	43.2	36.3	50.7	43.5	27	10 th	61	2 nd + 17 th	223
2. ENGLAND, N.E.	Shields ...	29.978	42.6	36.2	49.5	42.9	29	12 th	59	18 th	223
	York ...	30.004	42.6	34.7	53.0	43.9	27	12 th	64	19 th	221
	Spurn Head ...	29.985	42.9	37.4	48.5	43.6	32	14 th	58	21 st + 23 rd	233
3. ENGLAND, E.	Yarmouth ...	29.981	43.3	37.6	48.0	42.8	31	17 th	61	20 th	229
	Cambridge ...	30.012	43.2	34.0	54.4	44.2	23	17 th	67	19 th	224
4. MIDLAND COUNTIES.	Loughborough ...	30.015	41.8	35.4	53.7	44.6	28	17 th + 30 th	64	12 th	213
	Oxford ...	30.022	41.1	35.4	52.5	44.0	27	17 th	66	19 th	214
5. ENGLAND, S.	London ...	30.005	42.4	36.3	53.9	45.1	27	17 th	66	19 th	210
	Dungeness ...	29.966	43.1	37.6	49.1	43.4	28	15 th	61	19 th	246
	Hurst Castle ...	30.013	42.6	36.1	51.6	43.9	26	15 th	61	20 th	242
6. SCOTLAND, W.	Ardrossan ...	29.989	43.7	37.7	50.1	43.9	30	14 th	57	12 th	237
7. ENGLAND, N.W.	*Hawes Junction ...	28.737	37.4	31.9	45.4	38.7	25	15 th	54	11 th + 12 th	206
	Barrow-in-Furness ...	30.006	41.9	38.1	49.9	44.0	33	8 th , 9 th , 10 th + 14 th	60	12 th	219
	Liverpool Obs ^y (Bidston) ...	30.018	42.8	37.9	50.2	44.1	32	8 th + 14 th	58	24 th	208
	Holyhead ...	30.023	44.2	39.5	49.1	44.3	35	15 th	57	11 th	242
8. ENGLAND, S.W.	Pembroke ...	30.026	43.0	39.4	48.2	43.8	34	7 th , 8 th + 14 th	53	11 th + 12 th	228
	Prawle Point ...	30.021	44.7	37.3	51.7	44.5	30	15 th	61	19 th	236
9. IRELAND, N.	Malin Head ...	29.993	43.1	39.4	47.5	43.5	33	6 th , 26 th + 27 th	56	17 th	250
	Donaghadee ...	30.016	43.6	38.5	50.0	44.3	31	27 th	61	18 th	238
	Mullaghmore ...	30.021	43.6	38.7	50.2	44.5	32	11 th	59	17 th	228
	Belmullet ...	30.044	44.1	40.0	49.1	44.6	32	26 th	56	13 th	241
10. IRELAND, S.	Parsonstown ...	30.045	42.8	33.8	52.3	43.1	27	8 th + 14 th	62	18 th	226
	Valencia ...	30.059	46.4	39.8	52.6	46.2	32	15 th	60	12 th + 13 th	246
	Roche's Point ...	30.039	44.4	38.1	50.6	44.4	32	15 th	56	12 th	230
CHANNEL ISLANDS.	Scilly (St. Mary's) ..	30.013	46.6	42.2	50.2	46.2	37	6 th + 24 th	55	22 nd	264
	Jersey (Noirmont) ...	29.992	46.0	41.3	51.8	46.6	34	17 th	61	12 th	248

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

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

In the Monthly Summary for March under "M"