

METEOROLOGICAL OFFICE

LONDON.

DAILY WEATHER REPORTS.

1ST JULY - 31ST DECEMBER.

1888.

See Reg. Lond.

6/7/89

DAILY WEATHER REPORT.

July to December 1888.



DAILY WEATHER REPORT.

for Monday, 1st October 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

Issued by the Meteorological Office, No. 1, Victoria Road, London, W. 11, England.																		
+ YESTERDAY EVENING.																		
8 A.M. TO DAY.																		
PAST 24 HOURS.																		
STATIONS.	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.			
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	29.22	36	SE	5	Y	29.27	-16	43	43	+9	E	4	0	*	?	32	0.56
	Hernösand ...	28.92	44	SSW	4	0	28.83	-13	42	41	-4	NNW	4	0	*	46	39	0.16
	Stockholm ...	28.94	44	Z	0	0	28.92	-12	45	43	-6	Z	0	0	*	52	41	0.28
	Wisby ...	28.76	45	SW	6	Y	28.99	-14	46	44	-8	SW	4	0	*	57	43	0.49
	Bodö ...	29.19	36	EHE	4	S	29.20	-17	38	36	+2	EHE	2	Y	2	?	34	0.24
	Christiansund...	29.08	40	NNW	5	Y	28.85	-32	42	41	+1	NNW	2	Y	4	43	37	0.35
	Skudesnaes ...	29.21	43	NNW	8	bc	29.15	+07	39	38	-7	NNW	4	Y	4	?	?	0.43
	Christiania Fjord (Færder)	28.97	45	NNW	4	b	29.01	+03	43	37	-3	W	2	0	2	46	41	.
	Skagen (The Seaw)	28.95	46	N	6	0	29.05	-02	40	39	-7	NW	2	0	3	52	36	0.35
	Fanö ...	29.17	45	NW	6	b	29.28	+11	42	39	-9	NW	6	0	*	54	39	0.20
BRITISH ISLANDS.	Sumburgh Head	29.59	38	N	5	c	29.45	-14	38	36	-2	N	4	cph	5	45	33	0.21
	Stornoway ...	29.86	39	N	3	0	29.73	-16	37	36	-3	Y	5	0	4	45	33	0.18
	Wick ...	29.68	39	N	6	0	29.56	-18	40	39	+1	N	6	cph	4	45	34	0.08
	Nairn ...	29.77	42	NNW	4	0	29.65	-16	38	37	-2	NNW	4	bc	3	48	35	.
	Aberdeen...	29.72	38	NNW	5	bc	29.59	-10	35	34	-6	W	3	cpts	5	46	34	0.27
	Leith ...	29.78	45	NW	3	b	29.65	-13	42	38	-2	NNW	3	bc	*	50	36	.
	Shields ...	29.73	46	NW	3	c	29.62	-04	39	37	-1	NNW	3	0	4	50	33	.
	Spurn Head ...	29.72	47	NW	6	bc	29.63	+01	41	38	-4	NNW	5	0	5	59	38	.
	York ...	29.78	44	NNW	1	b	29.67	-04	36	34	-7	NW	1	0	*	50	32	.
	Loughborough	29.81	44	NW	2	bc	29.72	-02	40	38	-3	WSW	2	bc	*	53	34	.
GERMANY.	Ardrossan ...	29.82	46	NW	5	c	29.67	-16	41	39	-5	NNW	2	0	1	50	39	0.01
	Malin Head ...	29.90	43	NNW	5	0	29.71	-21	44	41	-1	NNE	4	oqp	4	49	41	0.11
	Mullaghmore ...	29.98	46	NNW	6	c	29.71	-26	46	45	-2	NNW	5	oqp	4	51	42	0.26
	Belmullet ...	30.04	47	NNE	4	0	29.73	-30	48	46	-2	NW	3	0	*	52	44	0.10
	Donaghadee ...	29.90	43	N	6	Y	29.68	-19	44	43	-4	NNE	6	Y	4	50	41	0.06
	Barrow-in-Furness	29.81	46	N	3	Y	29.61	-19	41	39	-4	NNE	2	Y	*	50	39	0.02
	Liverpool (Bidston)	29.83	46	NNW	4	bc	29.69	-12	44	42	-2	WSW	2	op	4	51	40	0.02
	Holyhead ...	29.88	49	NNW	6	0	29.72	-12	46	43	-3	NNW	5	0	5	52	45	0.01
	Parsonstown ...	29.95	47	NW	1	bc	29.79	-18	42	41	+7	SW	2	0	*	53	37	.
	Valencia ...	30.05	52	NNW	2	c	29.87	-14	47	46	-5	Z	0	0	1	57	41	.
FRANCE & NETHERLANDS.	Roche's Point...	29.99	52	N	4	b	29.80	-11	47	44	+2	NW	4	0	3	56	42	.
	Pembroke ...	29.93	49	N	4	Y	29.78	-07	48	44	-3	NW	2	bc	2	54	44	0.04
	Scilly ...	29.94	53	NNE	5	bc	29.80	-03	53	48	0	N	4	0	4	56	49	0.03
	Prawle Point ...	29.92	47	NNW	3	b	29.79	-00	45	44	-7	NNW	2	0	2	60	40	0.01
	Jersey ...	29.89	52	NNW	3	bc	29.80	+06	51	46	-3	E	3	0	3	56	42	.
	Hurst Castle ...	29.87	50	NNW	3	b	29.76	+02	45	44	-3	NNW	3	bc	2	53	35	.
	Dungeness ...	29.80	47	NNW	3	c	29.70	+09	37	35	-11	NW	3	bc	2	54	35	.
	London ...	29.81	48	N	2	b	29.73	+05	40	38	-5	W	1	0	*	54	36	.
	Oxford ...	29.85	41	NW	1	b	29.74	-01	41	39	-4	W	1	0	*	54	34	.
	Cambridge ...	29.78	46	NW	2	bc	29.70	-00	41	39	-4	NW	1	0	*	54	34	.
PENINSULA.	Yarmouth ...	29.69	45	NW	6	c	29.66	+08	40	38	-8	W	4	bc	4	50	34	0.11
	Cuxhaven ...	29.29	48	NW	8	Y	29.47	+12	46	45	-7	W	4	0	*	?	45	0.16
	Berlin ...	29.81	47	NNW	3	b	29.56	+27	44	41	-11	NNW	4	0	*	63	41	0.16
	Wiesbaden ...	*	*	*	*	*	29.75	+37	44	42	-17	NW	4	0	*	61	41	0.24
	Munich ...	29.64	49	W	3	Y	29.81	+21	42	39	-15	W	5	0	*	63	37	0.51
	The Helder ...	29.56	50	NW	8	0	29.55	+14	47	44	-5	NW	5	0	4	54	46	0.12
	Brussels ...	*	*	*	*	*	29.71	+21	42	40	-8	SSW	4	0	*	53	41	0.20
	Cape Gris Nez...	29.78	50	N	7	bc	29.71	+15	45	44	-5	NW	5	0	4	54	43	.
	Paris ...	29.83	48	N	4	b	29.82	+23	38	38	-13	SSW	1	0	*	?	35	0.08
	Brest ...	29.97	50	NNE	3	b	29.88	+09	46	42	-13	EHE	3	0	2	68	41	.
PENINSULA.	Lorient ...	29.96	55	NNE	5	b	29.85	+10	47	44	-5	EHE	1	bc	4	63	45	.
	Rocheport ...	29.88	65	NNW	5	0	29.84	-00	49	46	-16	NNE	5	0	2	70	43	.
	Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.
	Lyons ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.
	Nice ...	29.53	74	SSW	7	bc	29.57	-18	64	57	+3	EHE	3	0	1	86	59	.
	Perpignan ...	29.78	73	NW	4	c	29.75	?	63	62	-3	Z	0	0	*	82	62	.
	Biarritz ...	29.88	67	W	5	0	29.75	-14	64	60	-2	Z	0	0	2	72	63	0.16
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.
	Lisbon ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on Monday 1st OCTOBER 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

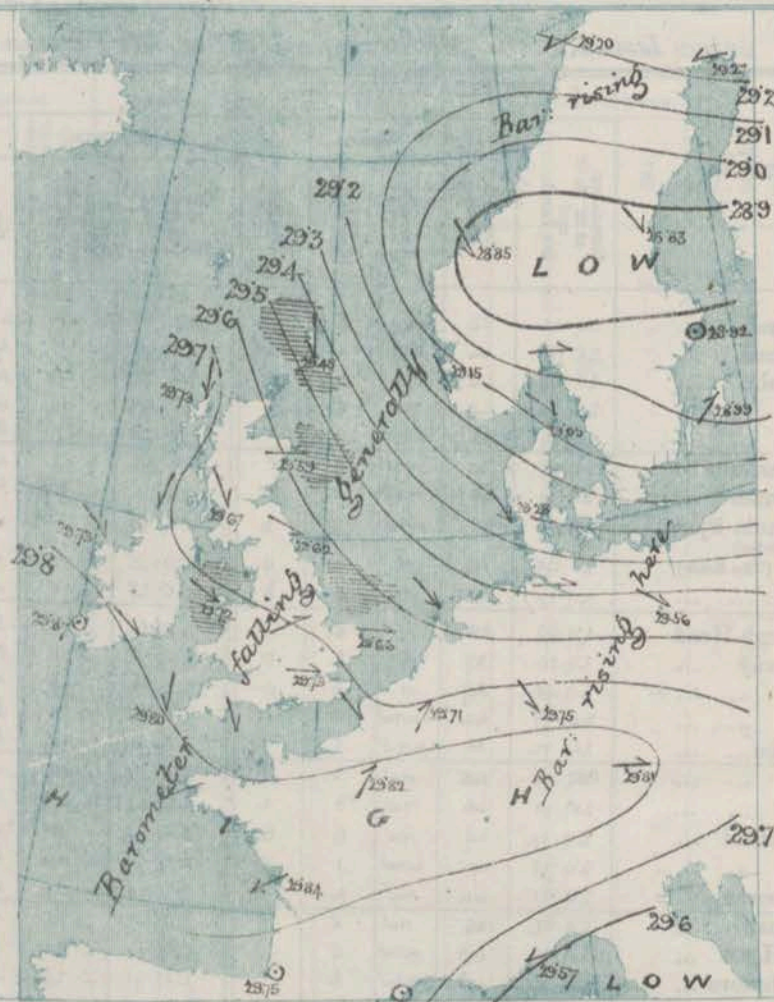
Sea Disturbance — where considerable is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of October.
During the 15 Years 1871-1886.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.708
Stornoway	29.735
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.813
Donaghadee	29.832
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Rocha's Point	29.870
Pembroke	29.868
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.886



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 1/16 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of October.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	59.7	41.6	46.0	44.3	4.33
Stornoway	50.5	39.5	45.3	44.1	4.94
Wick	51.6	40.1	46.1	44.3	2.94
Nairn	51.6	40.6	44.6	42.5	2.38
Aberdeen	52.3	41.0	45.5	43.5	2.88
Leith	54.7	41.5	46.5	44.7	1.91
Shields	53.0	42.8	47.1	45.4	2.46
York	54.8	41.0	45.9	44.5	2.64
Loughborough	55.3	41.4	46.4	45.0	2.98
Ardrossan	53.5	43.6	47.6	45.6	4.31
Donaghadee	53.2	43.3	47.7	46.5	3.85
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.6	44.6	47.8	45.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.3	49.1	6.00
Rocha's Point	55.8	45.9	50.2	48.4	1.17
Pembroke	54.8	48.0	51.2	49.1	4.13
Scilly	56.6	50.3	53.8	51.7	3.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.28
LONDON	56.8	43.2	48.0	46.4	2.74
Oxford	56.3	42.5	46.7	45.3	2.72
Cambridge	56.4	41.2	46.4	45.4	2.36
Yarmouth	54.3	44.8	49.2	47.0	2.07

Note — The Temperature means are for the 15 years 1871-86, the Rainfall means are mainly those for the 10 years 1866-85



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.8 ins: and upwards over the Bay of Biscay, the south of Ireland and the central parts of France.
Lowest, 28.9 ins: and less, in an elongated depression lying over the central parts of Scandinavia.
Gradient rather steep over the Baltic, the North Sea and the coast of Norway, but slight elsewhere.
Barometer rising in Denmark, Germany and the north of Scandinavia, but falling elsewhere;— briskly in Ireland.

TEMPERATURE

Highest, 64° at Limerick and Kins, 63° at Liverpool, 53° at Lally, 51° at Jersey and 49° at Rochefort.
Lowest, 35° at Aberdeen, 36° at York, 37° at Stomaway and Dungeness, and 38° at Dover, Southampton, Marseilles, Tunis, and Paris.
Over the northern, eastern and southeastern parts of Great Britain the readings are from 5 to 10° below the average for the month of October.

WIND

Moderate from E. or NE in the north of Scandinavia and the west and south of France.
Strong from N. in the north of Ireland, moderate from W. or NW elsewhere.

WEATHER

Fine in Germany and also over the southern parts of England.
Cloudy or overcast elsewhere, with rain in Norway, and showers of hail or sleet over the northern part of our Islands.
Since yesterday rain has fallen in the southwest, west and north generally.

SEA

Rather rough on the more exposed parts of our northwest, north and northeast coasts, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over Scandinavia is inclined to move in a northwesterly direction, but a shallow secondary disturbance is lying over the Irish Sea, and this will probably travel southeasterwards, and occasion cold showers over England.

The steady fall of the barometer which is in progress over Ireland seems to indicate the presence of other low-pressure systems over the Atlantic.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	N ¹ to NW ¹ winds, strong; unsettled, some cold showers.
1	SCOTLAND EAST	NW ¹ winds, moderate or fresh, changeable, some cold showers.
2	ENGLAND N.E.	
3	ENGLAND EAST	W ¹ and NW ¹ winds, moderate or fresh, changeable, some cold rain or hail.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	


DISTRICTS.


FORECASTS.

6	SCOTLAND WEST	Same as Nos 1 and 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NW ¹ winds, light or moderate; fair generally.
9	IRELAND NORTH	NW ¹ winds, backing later; unsettled Some rain.
10	IRELAND SOUTH	

WARNINGS

NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.13	47	41	NEW 9	0	5	Holyhead ...	29.89	50	44	NEW 5	0	5
Sumburgh Head ...	29.86	45	40	N 6	0	5	Valencia ...	29.85	55	49	NEW 4	0	3
Stornoway ...	29.91	46	43	NEW 5	0	4	Scilly ...	29.72	53	44	NEW 5	0	3
Aberdeen ...	30.05	50	45	NEW 5	0	*	Jersey ...	29.84	68	64	WNW 7	0	2
Shields ...							Dungeness ...						
Ardrossan ...							London ...						
Malin Head ...							Yarmouth ...						
Mullaghmore ...							Rocheport ...						
Belmullet ...													

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

The reports for yesterday (Sunday) morning showed that the depression which lay off the west of Norway on the previous day had moved slowly to the south-eastward, and grown much deeper, while the V-shaped secondary noticed over our islands had reached Belgium and the Netherlands. The 8 a.m. readings varied from 30.0 ins. and more, both over central Russia, the west of Ireland and the coast of Portugal to rather below 29.0 ins. in a depression lying over central Scandinavia. The gradients were steep over the North Sea and Baltic, moderate to slight in our islands and southwestern Europe. The wind had increased to a gale from the S.W. and S.W.W. over the Baltic, the Gulf of Bothnia and Finland, from the N.W. in some parts of Norway, and from N.W. in the northeast of Scotland, while over the whole of the British Islands and North Sea it had veered to N.W. or N., but was more moderate in force. The weather was very unsettled—clear in some places, rainy and drizzly in others. Temperature had risen in southern and central Europe and the Baltic provinces of Russia, but had fallen decidedly, with the N.W. wind, over the British Isles, North Sea and north of France; London was 16° colder than at 8 a.m. on Saturday, and the air was very keen. The readings ranged from 70° and more over the southern parts of the Mediterranean, and from between 50° and 60° over Germany and the western Baltic to less than 40° in many parts of our islands, and to very little above the freezing point over northern Russia. The highest individual values were 81° at Algiers, 74° at Barcelona, 73° at Cap Breton and Spaw, 69° at Croisette and Sanguinaire, 68° at Brindisi (Malta report wanting), and 67° at Cagliari; the lowest were 33° at Archangel, 34° at Haparanda, 36° at Moscow and Bodø, 39° at Wick, and 40° at Shields.

Later in the day cold showers (sleet, hail &c) fell in the north and east of our islands, but in the south the weather was fair—but very cold.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 23RD TO THE 29TH SEPTEMBER 1889.

The weather of this period was much less fair than that of the week preceding it. The high-pressure area which had been lying over our islands and their neighbourhood for so long gave way at the beginning of the week. A large depression passed in a southeasterly direction over Lapland and Finland causing rainy unsettled weather in those regions and even at some of our own northern stations, while a shallow disturbance advanced northwards from the Spanish Peninsula to our southern counties, and produced thunderstorms and rain in those parts also. These had no sooner dispersed (by the 26th) than fresh disturbances appeared—one over Scandinavia, and the other off our western coasts, the latter moving northwards on the 27th and undergoing great modification. Rain now fell in the west and northwest (heavily at Roches Pt) and temperature varied greatly as the wind shifted from S.E. to S. and then veered suddenly to N.W. or W. Saturday was a damp, close day over England, and S.W. and W. winds prevailed. A large depression appeared off the west of Norway from the N.W. while a secondary disturbance was developed over the British Islands, and as these travelled south-eastwards, N. and N.W. winds set in, temperature fell very fast, the air became keen and very dry, and showers of rain fell in most districts, followed by sleet and hail in the north and east.

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.

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for Tuesday, 2nd October 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 2.)	SHADE TEMP.		Amount of Rainfall.	
				Direc.	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.	Direc.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.38	45	S	4	r	29.49	+ 22	45	45	+ 2	2	0	r	*	46	34	0.35	
	Hernösand ...	29.21	44	NE	4	r	29.38	+ 55	40	38	- 2	2	0	bc	*	48	37	0.35	
	Stockholm ...	29.26	39	SSE	2	b	29.43	+ 51	43	40	- 2	SW	4	b	*	50	41	0.06	
	Wisby ...	29.35	42	W	4	c	29.51	+ 52	43	42	+ 3	S	2	b	*	50	41	0.06	
	Bodö ...	29.37	44	ESE	2	0	29.45	+ 25	44	37	+ 6	ESE	2	c	1	45	37	0.20	
	Christiansund...	28.98	42	SE	3	c	29.26	+ 41	41	38	- 1	SSE	3	b	4	45	37	0.20	
	Skudesnaes ...	29.06	42	W	0	c	29.17	+ 62	45	43	+ 6	SE	6	r	5	45	39	0.20	
	Christiania Fjord (Fjord)	29.06	49	WSW	3	b	29.32	+ 31	44	41	+ 1	W	0	c	3	50	43	0.20	
	Skagen (The Sound)	29.19	45	NW	6	c	29.36	+ 31	43	41	+ 3	SW	4	b	4	48	39	0.04	
	Fanö ...	29.36	45	W	5	b	29.38	+ 10	42	41	0	SSE	4	cp	*	50	39	0.08	
BRITISH ISLANDS.	Sumburgh Head	29.17	42	N	5	r	29.11	- 34	45	45	+ 7	NE	3	r	5	45	35	0.46	
	Stornoway ..	29.59	41	N	6	c	29.26	- 17	44	44	+ 7	N	8	r	6	45	34	0.52	
	Wick ...	29.38	39	N	6	0	29.10	- 46	46	45	+ 6	NE	6	c	4	46	38	0.40	
	Nairn ...	29.50	38	WNW	2	bc	29.14	- 51	40	39	+ 2	W	3	0	2	44	37	0.32	
	Aberdeen...	29.45	37	WNW	4	bcgrrsp	29.14	- 45	39	38	+ 4	SW	3	ogp	5	44	35	0.29	
	Leith ...	29.55	42	WNW	3	b	29.24	- 41	40	38	- 2	W	3	bc	*	51	34	0.29	
	Shields ...	29.53	41	NW	1	b	29.26	- 36	40	37	+ 1	WSW	3	brm	3	47	30	0.14	
	Spurn Head ...	29.53	42	N	3	0	29.36	- 27	40	38	- 1	W	2	0	3	44	38	0.14	
	York ...	29.57	41	WNW	1	c	29.37	- 30	30	29	- 6	S	1	f	*	44	26	0.10	
	Loughborough	29.57	39	NNE	3	0	29.41	- 31	37	36	- 3	W	1	ogm	*	53	36	0.03	
GERMANY.	Ardrossan ...	29.57	45	WNW	3	b	29.26	- 41	46	42	+ 5	WNW	4	op	3	49	39	0.10	
	Malin Head ...	29.66	40	NNE	4	chrgp	29.36	- 35	44	42	0	N	4	ogp	4	46	39	0.10	
	Mullaghmore ...	29.68	43	NE	6	cp	29.45	- 26	42	41	- 4	WNW	4	OT	3	48	38	0.23	
	Belmullet ...	29.70	44	NNE	6	ogp	29.49	- 24	44	42	- 4	N	7	0	*	50	39	0.53	
	Donaghadee ...	29.60	44	ESE	4	c	29.37	- 31	40	39	- 4	W	5	r	3	50	39	0.02	
	Barrow-in-Furness	29.56	40	N	2	b	29.34	- 27	34	34	- 7	NNE	2	b	*	42	32	0.49	
	Liverpool (Bidston)	29.57	40	N	1	0	29.37	- 32	40	38	- 4	WSW	2	bc	3	47	36	0.23	
	Holyhead ...	29.58	45	NE	5	c	29.40	- 32	42	40	- 4	WNW	4	chip	4	48	38	0.24	
	Parsonstown ...	29.66	41	NW	2	b	29.45	- 34	30	30	- 12	W	0	b	*	49	24	0.16	
	Valencia ...	29.68	47	NNE	3	cp	29.55	- 32	45	44	- 2	NNE	2	0	2	56	37	0.14	
FRANCE & NETHERLANDS.	Roche's Point...	29.59	44	NNE	4	b	29.49	- 31	41	38	- 6	N	4	b	3	54	37	0.08	
	Pembroke ...	29.51	40	NE	6	r	29.43	- 35	39	37	- 9	NE	2	bcpp	1	52	36	0.22	
	Scilly ...	29.57	51	WNW	4	bc	29.42	- 38	47	43	- 6	N	6	cp	5	54	45	0.19	
	Prawle Point ...	29.59	46	WNW	2	c	29.36	- 43	43	42	- 2	WNW	4	bc	2	52	38	0.01	
	Jersey ...	29.61	52	W	3	bc	29.33	- 47	49	47	- 2	SW	3	cpm	3	54	47	0.03	
	Hurst Castle ...	29.58	50	WNW	3	bc	29.32	- 44	44	44	- 1	N	2	cm	1	56	43	0.02	
	Dungeness ...	29.56	50	W	3	bc	29.32	- 38	51	47	+ 14	W	2	c	1	57	36	0.03	
	London ...	29.56	45	SW	1	b	29.34	- 39	42	40	+ 2	W	0	of	*	54	35	0.01	
	Oxford ...	29.52	44	W	1	b	29.38	- 36	36	35	- 5	N	2	gdm	*	54	36	0.02	
	Cambridge ...	29.54	44	SW	2	b	29.36	- 34	41	39	0	N	1	0	*	55	36	0.02	
PENINSULA.	Yarmouth ...	29.53	47	SW	2	b	29.36	- 30	43	42	+ 3	NW	1	bcf	4	49	34	0.82	
	Cuxhaven ...	29.50	41	WSW	3	c	29.44	- 03	38	38	- 8	SSW	3	m	*	46	36	0.82	
	Berlin ...	29.62	45	W	3	b	29.65	+ 09	39	37	- 5	SSE	2	a	*	50	36	0.12	
	Wiesbaden ...	*	*	*	*	*	29.45	- 30	45	41	+ 1	SW	3	0	*	50	34	0.12	
	Munich ...	29.74	43	E	2	b	29.52	- 29	47	45	+ 5	E	4	r	*	52	39	0.12	
	The Helder ...	29.52	45	W	3	c	29.40	- 15	43	42	- 4	SE	1	0	1	48	43	0.79	
	Brussels ...	*	*	*	*	*	29.39	- 32	45	43	+ 3	SSW	3	0	*	53	37	0.12	
	Cape Gris Nez...	29.60	49	SW	3	bc	29.34	- 37	45	44	0	S	1	r	1	52	45	0.12	
	Paris ...	29.69	50	E	1	0	29.37	- 45	46	41	+ 8	NE	1	0	*	58	37	0.12	
	Brast ...	29.70	52	W	0	0	29.40	- 48	48	44	+ 2	SW	1	0	1	64	41	0.12	

WEATHER CHARTS

for 8 a.m. on

Tuesday, 2nd October

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

Sea Disturbance — where considerable is shown thus.

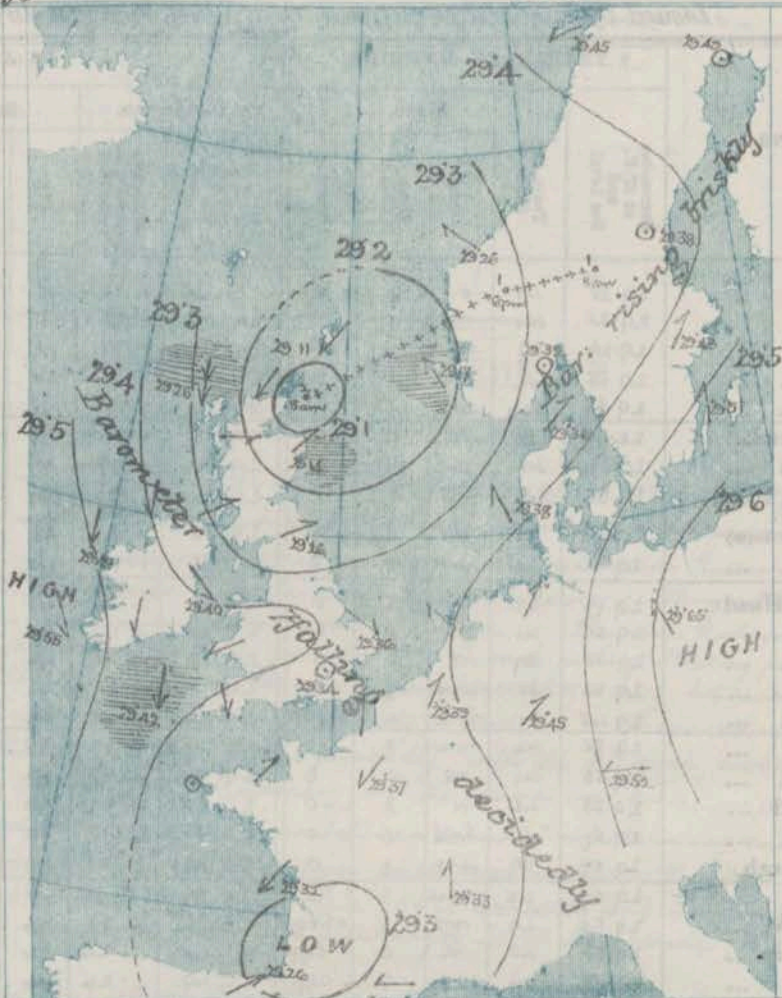
— Rough — High

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871 — 1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.708
Stornoway	29.735
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.813
Donaghadee	29.832
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roche's Point	29.870
Pembroke	29.868
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.886



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.

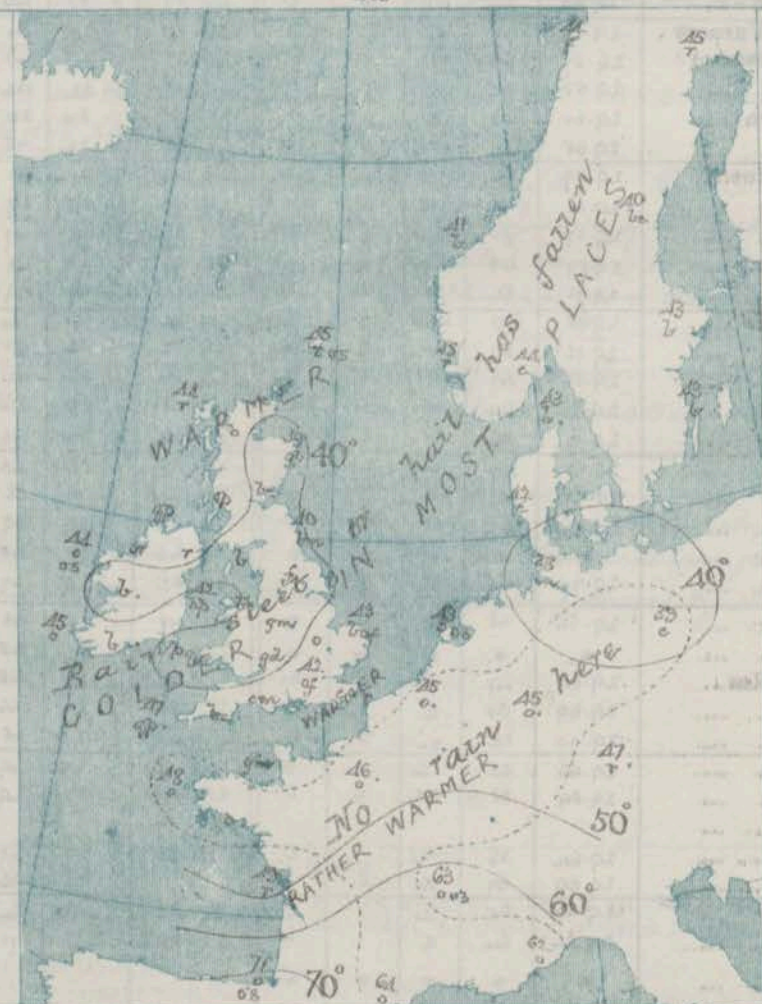
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of October.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	Wet	
Sumburgh Head	49.7	41.6	46.0	44.3	4.33
Stornoway	50.5	39.5	45.3	44.1	4.94
Wick	51.6	40.1	46.1	44.8	2.94
Nairn	51.6	40.6	44.5	42.5	2.38
Aberdeen	52.3	41.0	45.5	43.5	2.88
Leith	54.7	41.5	46.5	44.7	1.94
Shields	53.0	42.8	47.1	45.4	2.46
York	54.8	41.0	45.9	44.5	2.64
Loughborough	55.3	41.4	46.4	45.0	2.98
Ardrossan	53.5	43.6	47.6	45.8	4.31
Donaghadee	53.2	43.3	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.8	44.6	47.8	45.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.3	49.1	6.09
Roche's Point	55.8	45.9	50.2	48.3	4.17
Pembroke	54.8	48.0	51.2	49.1	4.13
Scilly	55.8	50.3	53.8	51.7	3.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.28
LONDON	56.6	43.2	48.0	46.4	2.74
Oxford	55.3	42.5	46.7	45.3	2.72
Cambridge	56.4	41.2	46.4	45.4	2.36
Yarmouth	54.3	44.8	49.2	47.9	2.97

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.6 ins: and upwards over North Germany, 29.5 ins: and upwards over the west of Ireland.
 Lowest, 29.1 ins: and less, in a depression lying off the north-east of Scotland, 29.3 ins: and less, in another disturbance over the south of France.
 Gradients moderate or slight generally. Barometer falling steadily at all but the Scandinavian and Danish stations.

TEMPERATURE

Highest, 71° at Harwich, 64° at Perpignan, 63° at Lyons, 62° at Nice, 51° at Dunblair, and 49° at Jersey, Lorient, and Rochefort.
 Lowest, 30° at North and Barronstown, 34° at Barrow in Furness, 36° at Exeter, 37° at Loughborough and 39° at Aberdeen and Parkbroke.
 Frost occurred last night over the inland parts of England and Ireland; in London a maximum of 25° was registered on the grass, while at Barronstown a reading of 26° was reached in the sun.

WIND

Strong from the N^W on many parts of our western and extreme northern coasts; N^E in the west of France.
 Light from N or SW over the eastern parts of Great Britain.
 Moderate S^W or S^E over Germany, the Netherlands, and the eastern shores of the North Sea.

WEATHER

Cloudy or overcast elsewhere, with rain at several of our western and northern stations, and fog over Central England.
 Fair in many parts of Scandinavia and Denmark.
 Snow or sleet fell yesterday in the northern parts of the United Kingdom, and rain in the south.

SEA

Rough at Harwich and rather rough at Rostock, Lough Head, Aberdeen and Skilly, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the north-east of Scotland is inclined to move southwards, while the other disturbance over France seems to be travelling northwards or north-eastwards. Very unsettled weather is therefore probable in all districts with a further increase of wind from the N^W on our western coasts.

FORECASTS

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

DISTRICTS.

FORECASTS.

1	0	SCOTLAND NORTH	N ^W and N ^E strong winds or gales; squally, some cold rain.
1	1	SCOTLAND EAST	W ^W winds, light, to N ^W or N ^E , strong; unsettled, some cold rain or sleet.
2		ENGLAND N.E.	
3		ENGLAND EAST	Same as No. 5.
4		MIDLAND COUNTIES	Same as No. 5.
5		ENGLAND SOUTH	Light or moderate breezes varying between NW and NE; changeable, some cold rain.

DISTRICTS.

FORECASTS.

1	6	SCOTLAND WEST	Same as No. 1 and 2.
1	7	ENGLAND N.W.	
1	8	ENGLAND S.W.	N ^W winds, strong, a gale in places; unsettled, some cold showers.
1	9	IRELAND NORTH	
1	10	IRELAND SOUTH	The north cone was hoisted last evening in districts 0, 6, 7, 9 and part of 1, and this morning in districts 8, and 10.
		WARNINGS	

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wva.	Sea.		Bar.	Dry.	Wet.	Wind.	Wva.	Sea.
Skudesnaes ...	29.09	45	42	WNW 7	cgh	2	Holyhead ...	29.61	45	42	NNE 5	op	5
Sumburgh Head ...	29.28	40	39	N 5	r	6	Valencia ...	29.69	50	48	W 4	r	4
Stornoway ...	29.66	41	40	N 7	c	6	Scilly ...	29.68	53	46	W 4	bc	4
Aberdeen ...	29.51	43	41	WNW 4	bcgpr	5	Jersey ...	29.71	53	49	WNW 3	c	3
Shields ...	29.55	45	39	W 3	c	4	Dungeness ...	29.63	55	48	W 3	bc	2
Ardrossan ...	29.61	48	46	NW 2	bc	1	London ...	29.58	54	46	WNW 3	bc	*
Malin Head ...	29.68	46	41	NNE 5	bc	4	Yarmouth ...	29.59	48	41	WNW 3	b	4
Mullaghmore ...	29.69	43	41	NW 5	cqpr	4	Rochefort ...	29.76	64	57	ENE 4	e	2
Belmullet ...	29.71	48	45	NE 6	ogpr	*							

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

The reports for yesterday morning showed that pressure varied from 29.8 ins. and more in a high pressure area lying off our southwest coasts and in a ridge stretching thence across Central France to rather below 28.9 ins. in a depression lying over the northern half of Scandinavia. There were also other shallow disturbances — one lying over the Gulf of Genoa, another near Biarritz, and a third over the North Channel. NW^{ly} and N^{ly} winds were consequently prevalent over the whole of Northwestern Europe, accompanied by very cold weather, and in some places by rain. Over the Continent, however, the weather was fair, and the wind light and variable — except on the coast of the Baltic, where they were S^{ly}. Temperature had risen in the north, fallen in the west, and ranged from between 70° and 77° over the Mediterranean to rather below 40° in the north and east of the British Isles and in Finmark. Over Finland and Northern Russia it was higher. The highest individual reading reported were 77° at Algiers, 75° at Palermo, 73° at Barcelona, Malta and Rome, 71° at Naples, 64° at Biarritz and Nice, and 51° even as far north as Helsingfors; the lowest were 35° at Aberdeen, 36° at Le Mans, 37° at Charleston, Dungeness, and Stornoway, 38° at Rods and Sumburgh Head and 39° at Shields.

Later on the distribution of pressure over Western Europe became complex and the weather unsettled.

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 3rd OCTOBER. 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 3.)	SHADE TEMP.			
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	29.57	38	Z	0	b	29.54	+ .05	34	34	- 11	Z	0	f	*	48	34	0.08	
	Hernösand ...	29.57	37	Z	0	b	29.59	+ .24	39	39	- 1	Z	0	f	*	50	36	—	
	Stockholm ...	29.59	39	Z	0	b	29.52	+ .09	44	42	+ 1	NE	2	o	*	50	36	—	
	Wisby ...	29.60	40	NE	2	b	29.47	- .04	47	45	+ 4	ENE	2	r	*	50	39	—	
	Bodö ...	29.48	43	ENE	2	c	29.45	- .00	39	36	- 5	ENE	4	b	2	45	37	—	
	Christiansund...	29.38	39	Z	0	b	29.39	+ .13	43	39	+ 2	S	2	bc	4	46	37	—	
	Skudesnaes ...	29.42	46	SSE	6	bc	29.45	+ .28	46	42	+ 1	E	4	c	4	50	45	—	
	Christiania Fjord (Færdar)	29.47	48	SE	3	c	29.48	+ .16	44	40	0	ENE	2	o	2	48	43	0.08	
	Skagen (The Scaw)	29.45	48	SSE	2	bc	29.43	+ .07	47	44	+ 4	SE	3	c	1	52	41	—	
	Fanö ...	29.38	41	SE	4	b	29.35	- .03	43	42	+ 1	E	2	c	*	50	41	—	
BRITISH ISLANDS.	Sumburgh Head	29.35	46	NE	2	c	29.44	+ .33	44	41	- 1	Z	0	bc	3	50	39	0.02	
	Sornoway ...	29.34	46	N	4	o	29.51	+ .25	43	42	- 1	N	2	bc	3	50	38	0.32	
	Wick ...	29.26	45	NE	5	o	29.48	+ .38	44	43	- 2	N	2	bc	2	49	36	0.05	
	Nairn ...	29.27	44	NNE	2	c	29.47	+ .38	43	41	+ 3	N	2	o	2	50	34	0.75	
	Aberdeen...	29.29	44	ESE	4	c	29.47	+ .33	40	38	+ 1	WNW	3	bc	4	46	35	0.07	
	Leith ...	29.16	43	N	2	bc	29.44	+ .20	45	42	+ 5	NNW	2	b	*	48	37	0.22	
	Shields ...	29.19	46	SW	3	c	29.38	+ .12	41	40	+ 1	N	3	r	3	48	37	0.18	
	Spurn Head ...	29.04	44	SSE	2	bc	29.33	- .03	42	41	+ 3	W	3	bc	3	49	39	—	
	York ...	29.25	44	S	1	c	29.37	- .00	33	33	+ 3	WN	1	b	*	50	28	—	
	Loughborough	29.29	41	SSW	1	b	29.38	- .03	29	29	- 8	Z	0	f	*	54	27	—	
GERMANY.	Ardoressan ...	29.15	45	N	2	o	29.45	+ .19	45	40	- 1	N	2	b	1	52	38	—	
	Malin Head ...	29.22	49	N	7	bc	29.50	+ .14	47	43	+ 3	N	3	c	3	50	44	0.04	
	Mullaghmore ...	29.20	48	NNW	6	c	29.52	+ .07	48	43	+ 6	NNE	5	b	4	50	41	0.25	
	Belmullet ...	29.38	48	N	7	c	29.57	+ .05	51	47	+ 7	NNE	3	c	*	51	43	0.28	
	Donaghadee ...	29.17	48	NE	5	c	29.45	+ .08	46	43	+ 6	NNE	5	b	4	49	39	0.31	
	Barrow-in-Furness	29.18	47	SW	4	o	29.36	+ .02	39	38	+ 5	NE	2	bc	*	47	34	0.42	
	Liverpool (Bidston)	29.24	48	SW	2	bc	29.38	+ .01	39	37	- 1	E	1	f	2	48	35	0.11	
	Holyhead ...	29.23	43	SW	4	rm	29.35	- .05	46	44	+ 4	ENE	5	b	5	51	41	0.58	
	Parsonstown ...	29.32	44	NW	3	o	29.51	+ .06	43	40	+ 13	NW	4	o	*	49	30	0.04	
	Valencia ...	29.44	48	NNW	3	p	29.53	- .03	51	48	+ 6	N	4	bc	4	51	44	0.41	
FRANCE & NETHERLANDS.	Roche's Point...	29.34	49	NNW	5	bc	29.42	- .07	46	43	+ 5	N	6	b	4	51	40	—	
	Pembroke ...	29.31	45	WSW	3	r	29.30	- .13	46	44	+ 7	NE	2	bc	2	49	38	0.17	
	Scilly ...	29.37	48	WSW	2	o	29.31	- .11	51	47	+ 4	N	5	c	4	51	44	0.28	
	Prawle Point ...	29.37	41	NNW	3	bc	29.31	- .05	48	44	+ 5	SW	3	c	3	54	39	0.08	
	Jersey ...	29.36	48	WNW	3	bc	29.37	+ .04	52	48	+ 3	SW	4	c	4	57	40	0.26	
	Hurst Castle ...	29.32	44	N	2	bc	29.33	+ .01	47	46	+ 3	NE	2	bc	2	50	37	0.37	
	Dangones ...	29.25	48	NW	2	r	29.36	+ .04	47	44	- 4	NW	3	bc	2	53	34	0.28	
	London ...	29.30	41	N	1	org	29.39	+ .05	38	33	- 4	Z	0	bc	*	45	29	0.16	
	Oxford ...	29.32	37	Z	0	b	29.38	- .00	35	33	- 1	SSW	1	c	*	48	29	—	
	Cambridge ...	29.28	40	N	1	bc	29.38	+ .02	35	32	- 6	S	1	b	*	43	28	0.13	
PENINSULA.	Yarmouth ...	29.27	45	NNW	2	cd	29.37	+ .01	40	38	- 3	W	2	bc	3	49	35	0.14	
	Cuxhaven ...	29.42	44	SE	4	o	29.39	- .05	45	44	+ 7	SSE	2	f	*	50	38	—	
	Berlin ...	29.34	46	ESE	3	r	29.40	- .25	48	46	+ 9	W	3	o	*	54	39	0.16	
	Wiesbaden ...	*	*	*	*	*	29.47	+ .02	46	45	+ 1	Z	0	o	*	50	43	0.55	
	Manich ...	29.43	50	SW	3	r	29.51	- .01	54	53	+ 7	SE	3	o	*	59	47	0.35	
	The Helder ...	29.30	44	SSE	1	b	29.30	- .10	43	42	0	WSW	4	c	3	52	39	0.10	
	Brussels ...	*	*	*	*	*	29.47	+ .08	43	42	- 2	WSW	3	b	*	50	42	—	
	Cape Gris Nez...	29.25	48	SW	4	o	29.38	+ .04	47	43	+ 2	SW	4	o	2	52	43	0.35	
	Paris ...	29.37	45	S	3	o	29.32	+ .15	39	39	- 7	SE	1	b	*	47	39	0.20	
	Brest ...	29.48	50	NNE	4	o	29.45	+ .05	47	45	- 1	NW	4	o	2	57	39	0.20	

WEATHER CHARTS

for 8 a.m. on

WEDNESDAY 3RD OCTOBER

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

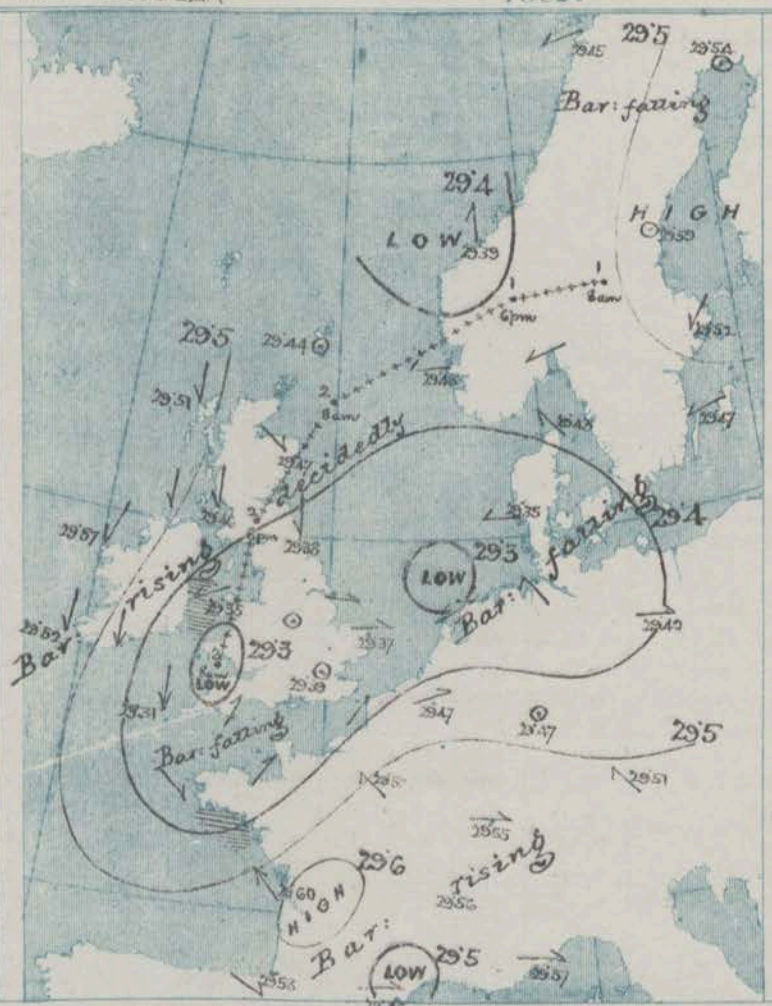
Sea Disturbance — where considerable is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS
Sumburgh Head	29.708
Stornoway	29.735
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.813
Donaghadee	29.832
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roche's Point	29.870
Pembroke	29.868
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmol.	29.886



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 29.60 ins. at Rochefort; 29.59 ins. and upwards at Hermsand; 29.57 ins. at Belmullett.
Lowest 29.3 ins. and less in two depressions lying respectively over the Bristol Channel and off the north of Holland; 29.4 ins. and less in a third disturbance lying off the west of Norway, and 29.5 ins. and less in a fourth lying over the south of France.
Gradients moderate over France and the west of our islands, but slight elsewhere. Barometer falling in Denmark, Germany, the south of Sweden and the N. part of Scandinavia, but rising elsewhere.

TEMPERATURE

Highest 66° at Nice, 69° at Perpignan, 68° at Biarritz, 62° at Jersey and Lorient and 61° at Balmuccia, Scilly and Rochefort.
Lowest 29° at Loughborough, 35° at York, 36° at Haparanda, 35° at Oxford and Cambridge, and 38° in London.
Sharp frost occurred over England during the night.

WIND

Light N. on our northern coasts; fresh or strong from the same quarter in the west.
Light W. in the east of England; E. in Denmark and the south of Scandinavia.
Strong S. in the west of France, variable in the east and south of that country.

WEATHER

Fair over the greater part of northwest Europe, but foggy over central England.
Dull in Germany and the south of France with rain at Belfort, Lyons and Biarritz.
Rain, sleet or hail fell yesterday in most parts of the United Kingdom, and thunderstorms occurred at some of the French stations.

SEA

Rather rough at Holyhead and Lorient, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the Bristol Channel is inclined to disperse, but the new disturbance off the west of Norway will probably move southwards and occasion a revival of unsettled weather on our northern coasts.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

Wind backing to the W. and freshening; fair to unsettled and some rain.
N.W. and W. winds, light; fair generally, but some showers.
Variable breezes, finally W.; fair generally, but local showers. Wilder.

DISTRICTS.

FORECASTS.

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

N. to N.W. winds, light; fair generally.
N.E. to N. winds, fresh; fair generally.
N. winds, fresh or strong; fair generally.

WARNINGS

The NORTH CONE is still flying in districts 7 to 10, but the SIGNALS have been lowered in districts 6, 8 and part of 1.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudomaea ...	29.52	44	46	SE	6	c	5	Holyhead ...	29.29	48	45	W	3	bc	3
Samburgh Head ...	29.26	44	47	NE	3	c	5	Valencia ...	29.46	50	45	NNW	4	p	3
Stornoway ...	29.27	52	47	N	7	o	6	Scilly ...	29.40	50	55	NW	5	bc	5
Aberdeen ...	29.12	44	42	SE	3	cp	5	Jersey ...	29.31	51	49	NNW	3	c	3
Shields ...	29.19	45	42	WNW	2	c	3	Dungeness ...	29.25	50	49	N	1	r	1
Ardrossan ...	29.14	45	47	NW	2	c	1	London ...	29.25	42	41	NNW	1	omgr	1
Malin Head ...	29.23	44	47	N	6	c	5	Yarmouth ...	29.26	49	47	NW	2	c	4
Mullaghmore ...	29.33	45	46	NNW	5	pg	4	Rocheport ...	29.40	52	50	ENE	4	o	2
Balmullet ...	29.42	49	46	N	6	c	*								

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

The reports for yesterday morning showed that pressure was highest, 29.9 in. and upwards, over the Black Sea and neighbouring regions, and lowest, 29.1 in. and upwards, in a well defined and rather deep depression lying off the northeast of Scotland. Another disturbance, with readings below 29.3 in., was however, reported over the south of France. The wind was strong from the N.W. in the extreme west of our Islands and fresh from NE in the west of France. In Spain and the south of France however, it was fresh or strong from the S.W. and, while over central and northern Europe S.W. or S.E. breezes were found. Unsettled weather was reported over all the more western countries with showers of sleet or hail in the north of our Islands, and rain at several of the French and Spanish stations. Over eastern and northern Europe however, the weather, although cloudy, was mostly fair and dry. Temperature had risen somewhat in Scotland and also in France, Italy, and Algeria, but fallen elsewhere, readings ranged from 75° and upwards in Algeria, and 70° and upwards over Italy, the south of France and the north of Spain to a little below the freezing point over central Ireland and the north of England. The highest individual readings were 84° at La Calle, 80° at Algiers and Biskra, 79° at Sfax, 77° at Malta, 76° at Palermo, and 75° at Rome, Nemours and Aumale, the lowest were 30° at Ark and Parsonstown, 34° at Archangel and Barrow in Farness, 37° at Munster, Cassel and Riga, and 38° at Hamburg, Groningen, and Kiev.

In the course of the day the depression off the northeast of Scotland moved slowly southwards, and cold unsettled weather continued to prevail in all parts of the United Kingdom. The disturbance over France seems however, to have gradually dispersed.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

DAILY WEATHER REPORT.

for *Thursday, 4th October 1888.*
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.			Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	Shade Temp.	Max.	Min.	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.)						
SCANDINAVIA.	Haparanda ...	29.49	35	2	0	b	29.34	-20	38	37	+4	ENE	2	0	*	45	32	0	12
	Hernösand ...	29.43	39	2	0	f	29.30	-29	36	35	-3	2	0	b	*	41	32	-	-
	Stockholm ...	29.33	43	NE	2	f	29.39	-13	39	37	-5	WNW	2	0	*	48	36	0	08
	Visby ...	29.25	45	NE	4	bc	29.41	-06	46	44	-1	N	6	0	*	52	37	0	67
	Bodö ...	29.21	41	E	2	b	29.04	-14	43	40	+4	SE	4	0	2	46	39	-	-
	Christiansund...	29.20	43	SW	6	f	29.03	-36	42	39	-1	SSW	2	c	3	48	39	0	20
	Skudesnaes ...	29.44	46	S	2	f	29.16	-29	46	46	0	SSW	8	r	5	54	46	-	-
	Christiania Fjord (Farder)	29.41	46	Z	0	b	29.30	-18	49	45	+5	SSW	5	0	3	?	?	-	-
	Skagen (The Scaw)	29.39	45	20	0	c	29.38	-05	44	?	-3	SW	3	c	2	50	39	0	08
	Fanö ...	29.45	43	SE	2	b	29.44	+09	44	44	+1	WSW	2	cp	*	46	34	0	12
BRITISH ISLANDS.	Sumburgh Head	29.43	44	WNW	2	0	29.25	-19	33	30	-11	WNW	4	0	3	50	30	0	19
	Stornoway ...	29.57	46	NW	3	c	29.47	-04	32	32	-11	N	6	s	6	50	31	0	20
	Wick ...	29.49	44	NW	2	0	29.34	-14	33	32	-11	N	6	osp	3	45	32	0	35
	Nairn ...	29.52	47	WNW	2	0	29.37	-10	38	37	-5	WNW	5	0	4	50	37	0	10
	Aberdeen...	29.55	42	NE	1	b	29.28	-19	40	38	0	NW	5	opg	4	52	40	0	05
	Leith ...	29.54	47	NE	2	bc	29.33	-11	46	44	+1	WSW	3	c	*	57	42	-	-
	Shields ...	29.52	48	N	3	bc	29.36	-02	46	44	+5	WSW	3	c	3	51	37	0	07
	Spurn Head ...	29.46	47	NW	4	0	29.50	+17	44	44	+1	SW	4	0	3	48	41	0	14
	York ...	29.51	46	N	3	r	29.52	+15	40	39	+7	SSW	1	f	*	50	32	0	15
	Loughborough	29.54	47	WNW	2	0	29.59	+21	42	40	+13	W	2	0	*	56	29	0	01
GERMANY.	Ardrossan ...	29.59	49	NW	2	bc	29.35	-10	51	47	+6	WNW	5	r	4	54	45	-	-
	Malin Head ...	29.63	49	WNW	3	cg	29.47	-03	46	46	-1	N	5	opg	5	52	46	0	06
	Mullaghmore...	29.67	50	NW	4	c	29.56	+04	50	49	+2	WNW	5	p	4	55	43	0	05
	Belmullet ...	29.73	48	NW	2	r	29.62	+05	50	49	-1	WNW	3	0	*	54	47	0	17
	Donaghadee ...	29.65	48	NNE	4	b	29.51	+06	45	43	-1	W	5	c	3	54	44	-	-
	Barrow-in-Furness	29.56	47	N	2	b	29.49	+13	48	44	+4	WNW	5	c	*	51	38	0	05
	Liverpool (Biston)	29.58	48	N	1	b	29.53	+15	48	44	+4	W	5	0	4	50	39	0	03
	Holyhead ...	29.60	50	NNE	4	c	29.59	+24	48	46	+2	W	5	0	5	51	45	-	-
	Parsonstown ...	29.68	48	NW	2	c	?	?	46	44	+3	SW	3	0	*	53	35	-	-
	Valencia ...	29.74	53	WNW	2	bcv	29.75	+23	52	49	+1	W	4	0	3	56	48	-	-
FRANCE & NETHERLANDS.	Roche's Point...	29.59	51	N	5	b	29.72	+30	50	47	+4	W	3	c	3	54	43	-	-
	Pembroke ...	29.58	48	NE	3	bc	29.68	+38	49	43	+3	W	4	cgpp	3	62	43	0	01
	Scilly ...	29.52	52	N	6	c	29.75	+44	54	48	+3	WNW	4	bc	4	54	47	0	04
	Prawle Point ...	29.49	46	N	2	c	29.74	+43	49	46	+1	W	2	c	1	57	38	0	01
	Jersey ...	29.46	50	WNW	3	bc	29.73	+36	49	45	-3	NW	3	bm	3	55	44	0	06
	Hurst Castle ...	29.46	49	SE	2	c	29.70	+37	43	42	-4	WNW	2	mer	1	51	39	0	12
	Dungeness ...	29.45	47	N	3	r	29.61	+25	47	45	0	NW	3	m	2	52	37	1	20
	London ...	29.51	46	E	1	0	29.64	+25	40	39	+2	WNW	1	b	*	54	36	-	-
	Oxford ...	29.57	41	NNE	1	c	29.66	+28	38	37	+3	W	1	cm	*	51	34	0	01
	Cambridge ...	29.48	45	N	1	b	29.60	+22	44	41	+9	W	1	0	*	56	33	-	-
PENINSULA.	Yarmouth ...	29.47	48	W	2	b	29.83	+16	46	45	+6	W	3	b	3	50	37	-	-
	Cuxhaven ...	29.49	44	SW	3	bc	29.59	+20	44	43	-1	S	2	m	*	50	42	-	-
	Berlin ...	29.62	50	W	3	0	29.72	+32	43	41	-5	SW	3	b	*	54	39	-	-
	Wiesbaden ...	*	*	*	*	*	29.70	+23	49	47	+3	E	1	0	*	52	43	-	-
	Munich ...	29.86	43	W	2	r	29.83	+32	47	46	-7	S	2	c	*	59	41	0	91
	The Helder ...	29.54	49	E	3	r	29.49	+19	44	43	+1	S	1	0	2	50	43	0	35
	Brussels ...	*	*	*	*	*	29.60	+13	47	45	+4	WSW	4	0	*	54	?	0	04
	Cape Gris Nez...	29.47	48	SW	7	r	29.60	+22	46	45	-1	W	5	0	4	55	43	0	32
	Paris ...	29.58	49	S	3	0	29.69	+17	45	44	+6	NW	1	r	*	58	44	0	16
	Brest ...	29.56	51	NW	4	0	29.85	+35	46	41	-1	N	4	0	2	55	39	0	12
PENINSULA.	Lorient ...	29.52	54	W	7	c	29.78	+38	49	46	-5	N	4	b	2	57	46	0	16
	Rochefort ...	29.68	59	WNW	8	c	29.78	+18	63	50	+2	N	4	0	2	63	48	0	28
	Belfort ...	29.70	46	W	1	0	29.79	+24	46	45	-3	W	1	c	*	50	33	0	12
	Lyons ...	29.80	49	SSW	1	c	29.84	+28	44	43	-1	E	1	b	*	51	42	0	35
	Nice ...	29.65	65	WNW	1	0	29.74	+17	61	56	-5	SW	3	b	3	66	59	0	08
	Perpignan ...	29.76	61	W	1	0	29.85	+39	54	51	-5	W	1	0	*	75	53	-	-
	Biarritz ...	29.80	62	W	7	bc	29.85	+27	57	53	+2	WNW	7	c	3	68	45	0	51
	Cornwall ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	29.90	59	N	5	b	30.01	+23	57	52	-2	WNW	4	b	4	66	54	-	-

WEATHER

CHARTS

for 8 a.m. on

THURSDAY

4th OCTOBER

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

Sea Disturbance — where considerable is shown thus.

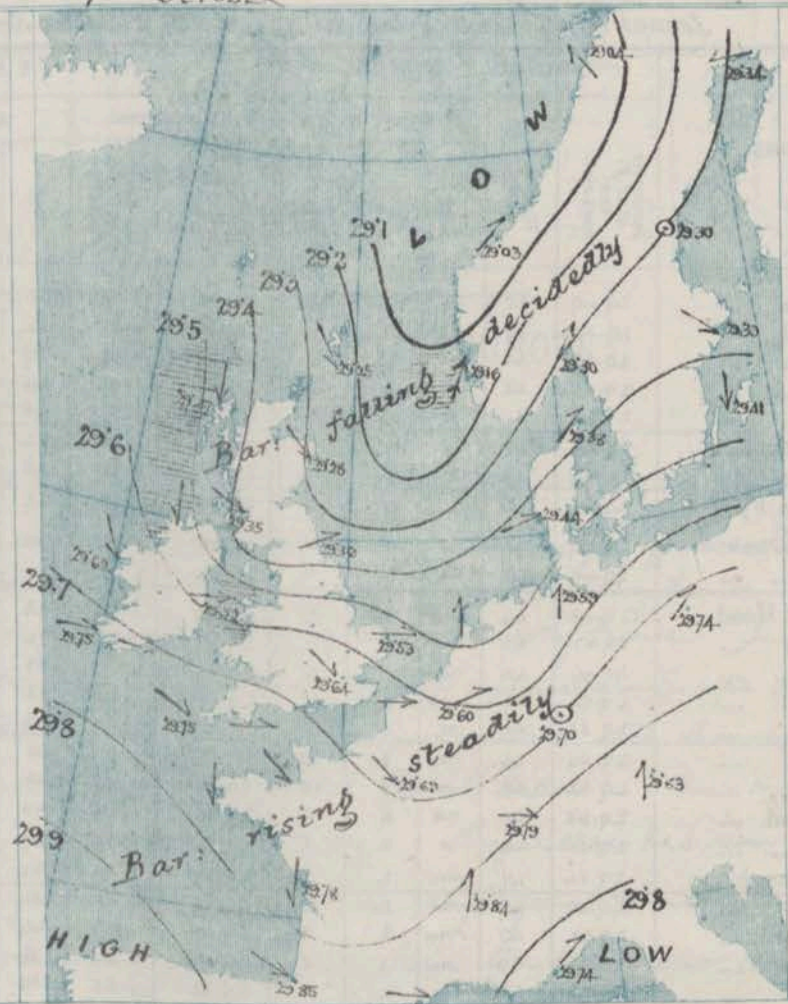
— Rough — High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871 — 1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.708
Stornoway	29.785
Wick	29.745
Nairn	29.781
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.813
Donaghadee	29.832
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roche's Point	29.870
Pembroke	29.868
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.886



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 October.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	49.7	41.6	46.0	44.3	4.33
Stornoway	50.5	39.5	45.3	44.1	4.94
Wick	51.6	40.1	46.1	44.8	2.94
Nairn	51.6	40.6	45.5	42.5	2.38
Aberdeen	52.3	41.0	45.5	43.5	2.88
Leith	54.7	41.5	46.5	44.7	1.94
Shields	53.0	42.8	47.1	45.4	2.46
York	54.8	41.0	45.9	44.5	2.64
Loughborough	55.3	41.4	46.4	45.0	2.98
Ardrossan	53.6	43.6	47.6	45.6	4.31
Donaghadee	53.2	43.3	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.6	44.6	47.8	45.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.8	49.1	6.00
Roche's Point	55.8	45.9	50.2	45.4	4.17
Pembroke	54.8	48.0	51.2	49.1	4.13
Scilly	56.6	50.3	53.8	51.7	3.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.8	3.24
Dover	55.8	47.0	50.7	48.7	3.28
LONDON	55.6	43.2	48.0	46.4	2.74
Oxford	55.3	42.5	46.7	45.3	2.72
Cambridge	56.4	41.2	46.4	45.4	2.35
Yarmouth	54.3	44.8	49.2	47.9	2.97

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 ins: and upwards, over Portugal.
 Lowest, 29.1 ins: and less, in a depression lying off the west of Norway.
 Gradients moderate and increasing in the north, but slight in the south.
 Barometer falling decidedly over Scandinavia and the north of our Islands, but rising in the south.

TEMPERATURE

Highest, 61° at Ales, 57° at Kluvit and Lisbon, 57° at Scilly and Papignan, and 53° at Rochefort.
 Lowest, 32° at Stromsøy, 33° at Sunnbøgh Head, and 36° at Helsingør, and 36° at Haparanda, Nain and Oxford.

WIND

Strong from the Nth in the north of Scotland and from S. in the south of Norway.
 Moderate or fresh from W. or NW, over England, Ireland, and France.
 Light from SW. or S. over Denmark, Germany and the Netherlands.

WEATHER

Dull and unsettled in the north, with snow at Stromsøy and Nisk and rain in many other places.
 Fair at our southern and most of the Continental stations. A solar halo is reported at Oxford.
 Rain fell yesterday in most parts of Western Europe and thunder and lightning occurred in the southwest of England at night.

SEA

Rough at Stromsøy, and rather rough at Skudesnæs, Malin Head, and Holyhead, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed over the Bristol Channel yesterday has moved southwards to France and dispersed, but the new disturbance which was then beginning to show itself off the west of Norway has grown deeper and is now extending down the North Sea!

The general appearance remains very unsettled and the cold weather now prevailing in the north will probably spread southwards in the course of the ensuing twenty-four hours. A considerable increase of wind from the NWth or Nth is likely on our north and north-west coasts.

FORECASTS

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

DISTRICTS.

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

FORECASTS.

Nth strong winds or gales; unsettled, some snow showers.
 Wth to NWth winds freshening; weather becoming colder and very unsettled, with hail or sleet showers.

DISTRICTS.

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

FORECASTS.

Wth to NWth winds increasing in force; unsettled, some cold rain or sleet.
 Same as N^{os} 3 to 5.
 Same as N^{os} 6 and 7.
 Same as N^{os} 3 to 5.

WARNINGS

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

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.55	54	44	SSW 1	c	4	Holyhead ...	29.52	51	45	NNE 5	b	5
Samburgh Head	29.46	48	45	WNW 1	c	3	Valencia ...	29.66	56	49	N 5	bv	5
Stornoway ...	29.57	48	47	W 2	c	2	Scilly ...	29.43	51	47	N 5	c	5
Aberdeen ...	29.52	49	45	W 3	cp	4	Jersey ...	29.40	55	49	WNW 5	bc	4
Shields ...	29.46	51	46	N 4	cr	4	Dungeness ...	29.40	45	45	N 3	r	2
Ardrossan ...	29.54	54	47	NNW 2	bc	1	London ...	29.43	52	48	E 1	c	*
Malin Head ...	29.59	51	47	N 3	b	2	Yarmouth ...	29.44	50	44	W 3	b	2
Mullaghmore ...	29.62	54	49	NW 5	ov	3	Rocheport ...	29.64	57	53	WSW 8	o	3
Belmullet ...	29.68	54	49	W 3	bc	*							

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

The reports for yesterday morning showed that pressure was highest, 29.9 ins. and upwards, over Central and Southern Russia, Asia Minor, and the eastern part of the Mediterranean, and lowest, 29.3 ins. and less, in two small depressions, lying respectively, over the Bristol Channel and off the north of Holland. A ^{third} depression, with readings below 29.4 ins. was, however, lying off the west of Norway, while a fourth, with readings below 29.5 ins. existed over the south of France. The wind was fresh from the N^W on the west coast of our Islands, moderate from the S^W or S^W over Central Europe, and light from E over Sweden and Lapland, but elsewhere it was governed by one or other of the depressions mentioned above and consequently varied a good deal in direction. Rain was falling in France and in many parts of Central Europe, but elsewhere the weather, although unsettled, was mostly fair. Temperature had fallen considerably in France, and to a less extent over the northern parts of Scandinavia and Russia, but risen in most other localities; readings ranged from 75° and upwards in many parts of Spain, Italy and Algeria to below 40° over Northern Europe and to below 32° over Central England. The highest individual readings were 89° (?) at Palermo, 78° at Rome, 77° at Palma, Naples, Malta and Annale, 76° at Leghorn, Tunis, and 75° at Brindisi; the lowest were 29° at Loughborough, 33° at York, 34° at Haparanda, 35° at Uleaborg, Helsingfors, Oxford and Cambridge, 37° at Kuopio at St Petersburg and 38° in London.

In the course of the day the depression over the Bristol Channel moved southwards to France and gradually dispersed. Towards evening, however, the barometer began to fall somewhat decidedly in the west of Norway and the disturbance in that region appeared to be increasing both in size and depth.

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 3 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, 5th October* 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 116, Victoria Street, London, W. 1. 1907.																		
+ 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. 9 to 2.	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.15	33	2	0	b	29.35	+ 01	37	36	- 1	2	0	0	*	45	32	0.04
	Hernösand ...	29.34	38	2	0	c	29.34	+ 04	43	42	+ 7	SSW	2	0	*	43	36	-
	Stockholm ...	29.41	43	4SE	2	b	29.31	- 08	46	44	+ 7	SSE	2	0	*	48	36	-
	Wisby ...	29.47	46	NE	4	c	29.39	- 02	50	47	+ 4	SSW	2	0	*	50	43	-
	Bodö ...	29.17	42	E	2	r	29.20	+ 16	37	34	- 6	E	2	0	*	45	34	0.04
	Christiansund...	29.07	42	E	2	0	29.02	- 01	42	40	0	ESE	1	0	0	43	39	-
	Skudesnaes ...	29.07	41	W	4	r	29.05	- 11	40	36	- 6	SE	4	0	4	48	?	-
	Christiania Fjord (Fjord)	29.15	50	S	8	0	29.06	- 24	46	41	- 3	SW	5	0	4	50	45	0.43
	Skagen (The Seaw)	29.16	48	SW	4	0	29.13	- 25	41	39	- 3	WNW	3	0	2	50	39	0.08
	Fanö ...	29.21	49	SEW	6	c	29.23	- 21	39	37	- 5	WSW	2	0	4	52	37	0.71
BRITISH ISLANDS.	Sumburgh Head	29.12	31	2	0	b	29.07	- 18	40	40	+ 7	N	5	0	5	40	29	0.17
	Sornoway ...	29.42	37	N	7	S	29.52	+ 05	39	39	+ 7	N	7	0	6	41	31	0.40
	Wick ...	29.18	34	N	6	0	29.29	- 05	41	40	+ 8	N	7	0	4	41	32	0.25
	Nairn ...	29.40	33	WNW	4	0	29.42	+ 05	38	37	0	W	4	0	2	38	32	0.31
	Aberdeen...	29.39	33	W	5	bcspp	29.31	+ 03	35	33	- 5	W	5	0	4	40	32	0.24
	Leith ...	29.50	37	N	2	b	29.44	+ 11	39	38	- 7	W	1	0	4	49	33	0.02
	Shields ...	29.46	38	NW	3	bc	29.43	+ 07	43	39	- 3	WNW	5	0	4	51	31	0.07
	Spurn Head ...	29.42	41	NW	8	r	29.45	- 05	43	41	- 1	W	7	0	6	50	35	0.22
	York ...	29.52	36	N	4	c	29.53	+ 01	43	38	+ 3	W	4	0	*	55	30	0.13
	Loughborough	29.49	42	NW	3	r	29.63	+ 04	39	37	- 3	WNW	4	0	4	54	30	0.08
GERMANY.	Ardrossan ...	29.57	39	WNW	5	bc	29.48	+ 13	45	42	- 6	NW	5	0	3	55	37	0.04
	Malin Head ...	29.65	40	WNW	5	rqshp	29.64	+ 17	44	42	- 2	WNW	5	0	5	46	38	0.04
	Mullaghmore ...	29.75	42	NW	7	c	29.76	+ 20	43	41	- 7	NW	6	0	5	50	38	0.31
	Belmullet ...	29.84	42	N	6	bc	29.83	+ 21	43	41	- 7	WNW	4	0	*	50	40	0.15
	Donaghadee ...	29.66	38	WNW	6	bcph	29.64	+ 13	40	39	- 5	W	5	0	2	46	37	0.10
	Barrow-in-Furness	29.55	39	N	2	b	29.54	+ 05	43	41	- 5	NW	6	0	4	51	37	0.31
	Liverpool (Bidston)	29.58	39	NNE	3	b	29.60	+ 07	45	41	- 3	WNW	7	0	5	50	37	0.19
	Holyhead ...	29.61	44	N	7	cq	29.69	+ 10	44	42	- 4	WNW	6	0	6	54	42	0.06
	Parsonstown ...	29.83	38	NW	3	b	29.77	?	37	35	- 9	SW	1	0	*	54	33	0.03
	Valencia ...	29.85	48	N	5	oq	29.93	+ 18	46	44	- 6	WNW	4	0	4	56	42	0.19
FRANCE & NETHERLANDS.	Roche's Point...	29.74	47	N	6	bc	29.88	+ 16	44	41	- 6	WNW	4	0	4	55	38	0.01
	Pembroke ...	29.63	44	N	5	c	29.81	+ 13	45	40	- 4	WNW	5	0	4	53	41	0.02
	Scilly ...	29.65	54	WNW	7	0	29.89	+ 14	48	42	- 6	NW	4	0	4	56	45	0.06
	Prawle Point ...	29.62	53	W	5	c	29.86	+ 12	44	40	- 5	W	3	0	2	55	34	0.11
	Jersey ...	29.71	55	W	5	oqm	29.86	+ 13	47	41	- 2	WNW	3	0	3	57	43	0.20
	Hurst Castle ...	29.57	51	W	5	cqp	29.79	+ 09	44	42	+ 1	WNW	5	0	3	56	35	0.11
	Dungeness ...	29.53	52	W	6	r	29.68	+ 07	33	31	- 14	NW	4	0	2	57	30	0.07
	London ...	29.51	48	W	4	c	29.73	+ 09	37	35	- 3	W	2	0	*	53	30	0.01
	Oxford ...	29.59	39	2	0	r	29.73	+ 07	37	35	- 1	WSW	3	0	*	53	30	0.08
	Cambridge ...	29.43	49	SW	2	0	29.65	+ 05	38	35	- 6	W	3	0	*	52	30	0.11
PENIN- SULA.	Yarmouth ...	29.43	49	WSW	4	c	29.54	+ 01	37	36	- 9	W	6	0	3	51	31	0.21
	Cuxhaven ...	29.46	43	WSW	6	0	29.39	- 20	44	43	0	WNW	5	0	*	51	42	0.10
	Berlin ...	29.61	49	SW	5	b	29.52	- 20	48	45	+ 5	SW	5	0	*	57	43	0.08
	Wiesbaden ...	*	*	*	*	*	29.62	- 08	45	44	- 4	WS	0	0	*	55	37	-
	Munich ...	29.80	50	2	0	0	29.46	- 07	48	46	+ 1	SW	3	0	*	52	46	0.08
	The Helder ...	29.36	52	SW	7	r	29.46	- 03	46	41	+ 2	W	5	0	4	52	43	0.28
	Brussels ...	*	*	*	*	*	29.68	+ 08	40	37	- 7	WSW	4	0	*	53	39	0.28
	Cape Gris Nez...	?	54	WSW	9	r	29.69	+ 09	41	39	- 5	WNW	8	0	4	?	32	0.47
	Paris ...	29.73	48	SW	3	bc	29.77	+ 08	41	40	- 4	NW	3	0	*	60	40	0.01
	Brest ...	29.80	54	WNW	5	0	29.94	+ 14	44	41	- 2	ENE	3	0	2	55	39	0.35
PENIN- SULA.	Lorient ...	29.82	55	W	7	0	29.86	+ 08	48	43	+ 1	N	5	0	4	57	46	0.24
	Rochefort ...	29.90	57	NW	6	b	29.84	+ 06	58	56	+ 5	WNW	8	0	3	61	52	0.32
	Belfort ...	29.80	53	W	1	r	29.80	+ 01	50	47	+ 4	W	4	0	*	59	43	0.12
	Lyons ...	29.82	53	N	3	c	29.89	+ 05	46	42	+ 2	W	3	0	*	66	43	-
	Nice ...	29.71	61	ENE	4	c	29.66	- 08	58	45	- 3	SW	1	0	4	72	55	-
	Perpignan ...	29.86	56	SW	3	r	29.95	+ 10	54	47	0	WNW	3	0	*	67	49	0.04
	Biarritz ...	29.91	57	WSW	8	r	29.93	+ 08	57	54	0	WNW	8	0	5	63	50	0.21
	Corunna ...	*	*	*	*	*	30.19	+ 18	57	54	0	NW	5	0	2	66	54	-
	Lisbon ...	30.13	60	NW	3	b	30.19	+ 18	57	54	0	NW	5	0	2	66	54	-

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on Friday, 5th OCTOBER, 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

Sea Disturbance—where considerable is shown thus.

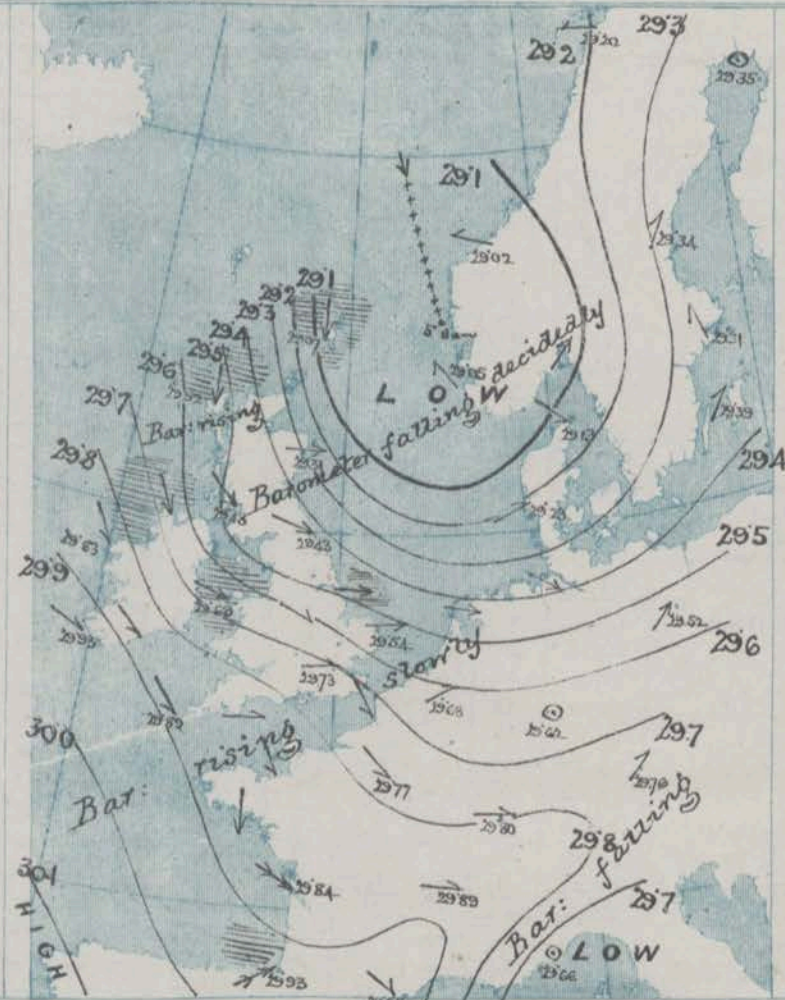
— Rough — High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.708
Stornoway	29.735
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.813
Donaghadee	29.852
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roche's Point	29.870
Pembroke	29.868
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.886



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 0.3 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of October.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	Dry at 8 a.m.	Wet at 8 a.m.	
Sumburgh Head	49.7	41.6	46.0	44.3	4.33
Stornoway	50.5	39.5	45.3	44.1	4.94
Wick	51.6	40.1	46.1	44.3	2.94
Nairn	51.6	40.6	44.5	42.5	2.38
Aberdeen	52.3	41.0	45.5	43.6	2.88
Leith	54.7	41.5	46.5	44.7	1.94
Shields	53.0	42.8	47.1	45.4	2.46
York	54.8	41.0	45.9	44.5	2.64
Loughborough	55.3	41.4	46.4	45.0	2.98
Ardrossan	53.5	43.6	47.6	45.6	4.31
Donaghadee	53.2	43.3	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.6	44.6	47.8	45.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.3	49.1	6.09
Roche's Point	55.8	45.9	50.2	48.4	4.17
Pembroke	54.8	48.0	51.2	49.1	4.13
Scilly	56.6	50.3	53.8	51.7	3.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.28
LONDON	56.6	43.2	48.0	46.4	2.74
Oxford	55.3	42.5	46.7	45.3	2.72
Cambridge	56.4	41.2	46.4	45.4	2.36
Yarmouth	54.3	44.8	49.2	47.9	2.97

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and upwards over Portugal.
Lowest, 29.1 in. and less, in a large depression lying over the southern parts of Norway and the neighbouring portion of the North Sea.
Gradients rather steep over our Islands and the eastern shores of the North Sea. Barometer rising over the southern portion of the United Kingdom, but falling elsewhere.

TEMPERATURE

Highest, 58° at Rochefort and Aix, 57° at Biarritz and Lisbon, 54° at Buzançon, and 50° at Stockholm and Belfast.
Lowest, 33° at Penzance, 35° at Aberdeen, 37° at Banamstown, Oxford, Yarmouth and in London, and 38° at Kain and Cambridge.
Frost occurred last night in most parts of Great Britain.

WIND

N^W in the north of Scotland, and N^W over Ireland, England, and France, with moderate gales in many places.
Light W in Denmark, SW in Germany, and SE in Scandinavia.
A fresh N^W gale was experienced yesterday in the extreme north of Scotland.

WEATHER

Fine in the south and southeast of our Islands, but cloudy or overcast elsewhere.
Hail or sleet showers are falling over the northern parts of the United Kingdom and rain at several of the Continental stations.
Snow fell in Scotland yesterday, and showers of hail or sleet in most parts of Western Europe.

SEA

Rough on the more exposed part of our western, northern and eastern coasts, but moderate or slight in the south.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The rising barometer and fine weather at present reported in the south seems to be merely temporary. The large depression in the north shows a continued tendency to move slowly southwards, and strong N^W winds, with cold showers are probable in all districts.

FORECASTS

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

DISTRICTS.

FORECASTS.

1	SCOTLAND NORTH	N ^W strong winds and gales; unsettled, some cold rain or sleet.
2	SCOTLAND EAST	W ^W to N ^W or N ^W winds or gales; squally, some cold showers.
3	ENGLAND N.E.	
4	ENGLAND EAST	
5	MIDLAND COUNTRIES	N ^W winds, freshening considerably; fair to unsettled and some showers.
6	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

7	SCOTLAND WEST	N ^W to N ^W strong winds or gales; squally, some cold showers.
8	ENGLAND N.W.	
9	ENGLAND S.W.	Same as N ^W 3 to 5
10	IRELAND NORTH	Same as N ^W 6 and 7.
11	IRELAND SOUTH	Same as N ^W 3 to 5.

WARNINGS

The north cone was hoisted yesterday on all coasts.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnes ...	29.24	48	46	S 8	0	5	Holyhead ...	29.52	46	44	N 6	7 qm	6
Sumburgh Head ...	29.24	35	43	N.W. 4	C	3	Valencia ...	29.73	53	51	N.W. 5	C q	5
Stornoway ...	29.52	37	35	N 6	C	6	Scilly ...	29.71	56	49	W 5	C p	5
Aberdeen ...	29.40	35	32	N.W. 6	C	5	Jersey ...	29.75	56	48	W 5	C	4
Shields ...	29.39	38	47	N 4	RS	4	Dungeness ...	29.60	54	49	W 5	C	4
Ardrossan ...	29.51	44	37	N.W. 6	C	4	London ...	29.58	52	49	W 3	0	*
Malin Head ...	29.62	40	38	N.W. 5	C	5	Yarmouth ...	29.49	51	46	N.W. 4	C	3
Mullaghmore ...	29.69	44	40	N.W. 8	ch. r	6	Rochefort ...	29.86	60	54	N.W. 4	C	2
Belmullet ...	29.79	45	39	N.W. 6	C	*							

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

The reports for yesterday morning showed that pressure was highest, ~~30.0~~ 30.0 in. and upwards, over Portugal, and high, 29.9 in. and upwards, over Southern Europe generally. The lowest readings, 29.1 in. and less, were found in a large depression lying off the coast of Norway, but another disturbance, with readings below 29.2 in., was reported over the Gulf of Finland, while shallow secondary systems were found over various parts of Western and Northern Europe. The wind was strong from the N. in the north of Scotland, and moderate or fresh from W. or NW. over England, Ireland and France. Over Central and Southern Europe, however, it was chiefly SW., while at the Baltic stations NE. breezes were reported. Fair weather prevailed over all the more southern countries, but in the north conditions were very unsettled, with snow in the north of Scotland, and rain in many other localities. Temperature had fallen several degrees in the extreme north of our islands, and to a less extent over Austria, Germany, and the west and south of France, but risen elsewhere; readings ranged from 75° and upwards over Algeria and South Italy to 40° or less, over the northern parts of Russia, Sweden, and Scotland. The highest individual readings were (86°?) at Palermo, 78° at Malta, 76° at Brindisi and La Caille, 75° at Naples, Tfor, and Leghorn, and 73° at Rome, Algiers and Oran; the lowest were 32° at Stornoway, 33° at Sumburgh Head and Wick, 35° at Uleaborg, 36° at Helsingfors, and 38° at Archangel, Haparanda, Kuiv, and Oxford.

In the course of the day the depression off the coast of Norway extended slowly southwards, and a further increase of wind from the N. took place over the northern parts of the United Kingdom. Showers of snow or sleet were experienced at many of our northern stations.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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DAILY WEATHER REPORT.

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

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.				
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Weather.	Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	29.40	43	Z	0	bc	29.23	-12	44	44	+7	S	2	r	*	28	0.08		
	Hernösand ...	29.21	45	S	4	0	29.21	-13	38	37	-5	SW	2	0	*	30	0.08		
	Stockholm ...	29.31	37	Z	0	b	29.19	-12	44	41	-2	SSW	6	c	*	34	0.12		
	Wisby ...	29.41	45	S	6	b	29.37	-02	45	44	-5	S	6	bc	*	34	0.16		
	Bodö ...	29.19	42	E	2	0	29.15	-05	41	39	+4	Z	0	0	1	43	0.12		
	Christiansund...	29.08	46	ENE	2	0	29.26	+24	44	41	+2	NNE	7	r	5	46	0.28		
	Skudesnaes ...	29.14	39	NNE	4	bc	29.32	+27	43	41	+3	NNE	5	0	3	46	39		
	Christiania Fjord (Fjord)	29.10	41	WSW	3	0	29.17	+11	40	38	-6	NW	4	c	3	46	0.28		
	Skagen (The Senw)	29.05	45	NW	4	0	29.21	+08	41	39	0	NW	2	0	3	45	0.20		
	Fanö ...	29.08	45	WSW	2	b	29.32	+09	40	44	+8	WNW	6	c	*	48	0.35		
BRITISH ISLANDS.	Sumburgh Head	29.48	41	N	6	0	29.68	+61	40	38	0	N	4	c	6	44	0.40		
	Sternoway ..	29.68	38	N	6	r	29.94	+42	37	36	-2	N	6	0	6	44	0.42		
	Wick ...	29.51	41	N	6	0	29.82	+53	39	38	-2	N	5	c	3	46	0.14		
	Sairn ...	29.59	40	NW	5	c	29.87	+45	37	35	-1	WNW	4	bc	3	46	0.01		
	Aberdeen...	29.50	40	NW	5	bc	29.80	+49	36	34	+1	WNW	4	bc	4	45	0.13		
	Leith ...	29.56	45	NW	3	b	29.86	+42	40	37	+1	N	3	b	*	54	37		
	Shields ...	29.52	46	NW	3	bc	29.82	+39	39	35	-4	NW	3	c	3	52	33		
	Spurn Head ...	29.55	47	WSW	5	bc	29.75	+30	41	39	-2	WNW	5	bc	5	51	0.02		
	York ...	29.52	44	W	2	bc	29.84	+31	38	35	-5	NW	4	b	*	54	0.02		
	Loughborough	29.68	42	WNW	3	bc	29.83	+20	36	36	-3	W	1	bm	*	50	0.02		
GERMANY.	Årdrossan ...	29.63	43	NW	3	b	29.90	+42	43	39	-2	WNW	2	b	1	50	38		
	Malin Head ...	29.72	43	NW	5	ohp	29.97	+33	43	41	-1	N	5	ohp	4	45	0.08		
	Mullagmore ...	29.80	45	NW	5	q	30.03	+27	46	42	+3	N	7	c	6	50	0.20		
	Belmullet ...	29.85	46	N	3	0	30.12	+29	44	41	+1	WNW	4	b	*	48	0.09		
	Donaghadee ...	29.72	42	N	5	bc	29.93	+29	45	40	+5	NNE	5	bc	4	47	0.13		
	Barrow-in-Furness	29.63	45	WNW	4	bc	29.83	+29	39	37	-4	N	2	bc	*	48	0.06		
	Liverpool (Oldston)	29.67	44	NW	5	0	29.86	+26	42	38	-3	NE	1	ohp	3	49	0.20		
	Holyhead ...	29.71	46	WNW	5	c	29.89	+20	45	42	+1	N	5	c	5	50	0.03		
	Parsonstown ...	29.83	41	Z	0	c	30.01	+24	38	37	+1	NW	1	0	*	50	0.01		
	Valencia ...	29.89	48	NW	2	op	30.12	+19	47	43	+1	N	3	0	4	51	0.14		
FRANCE & NETHERLANDS.	Roche's Point...	29.84	47	WNW	4	c	30.06	+18	44	41	0	NW	4	bc	4	51	0.01		
	Pembroke ...	29.77	49	NW	4	bc	29.92	+11	46	43	+1	NW	5	bc	4	49	0.01		
	Scilly ...	29.84	51	W	5	0	29.93	+04	49	42	+1	N	6	c	5	52	0.06		
	Prawle Point ...	29.82	43	NW	5	bc	29.89	+03	47	42	+3	WNW	3	bc	1	52	0.01		
	Jersey ...	29.84	50	WNW	5	c	29.86	-00	48	44	+1	WNW	2	bc	2	53	0.10		
	Hurst Castle ...	29.70	46	WNW	3	bc	29.86	+07	40	39	-4	WNW	3	bm	2	52	0.01		
	Daagoness ...	29.70	46	WNW	4	bc	29.81	+13	36	54	+3	WNW	3	b	2	54	0.01		
	London ...	29.74	44	WNW	3	c	29.84	+11	36	35	-1	WNW	1	bc	*	52	0.01		
	Oxford ...	29.76	39	NW	2	0	29.86	+13	35	34	-2	WSW	1	bm	*	51	0.01		
	Cambridge ...	29.67	42	SW	2	c	29.81	+16	38	37	0	NW	1	b	*	52	0.01		
PENINSULA.	Yarmouth ...	29.62	46	W	5	c	29.74	+20	37	36	0	W	4	bc	5	50	0.01		
	Cuxhaven ...	29.48	43	W	7	0	29.48	+09	45	44	+1	WSW	7	r	*	50	0.01		
	Berlin ...	29.67	40	SW	3	b	29.75	+23	40	38	-8	SW	4	c	*	54	0.01		
	Wiesbaden ...	*	*	*	*	*	29.91	+29	36	34	-9	W	1	bc	*	46	0.04		
	Munich ...	29.80	44	SW	3	b	29.97	+21	36	36	-12	SW	4	0	*	54	0.12		
	The Helder ...	29.54	43	WSW	5	b	29.69	+23	48	45	+2	WNW	3	c	3	50	0.16		
	Brussels ...	*	*	*	*	*	29.83	+15	40	39	0	SSW	3	b	*	50	0.01		
	Cape Gris Nez...	29.70	33	WNW	8	b	29.78	+09	44	42	+3	NW	4	c	4	52	0.04		
	Paris ...	29.87	45	WSW	3	b	29.88	+11	39	38	-2	S	3	r	*	51	0.04		
	Brest ...	29.92	51	NW	4	0	29.88	-06	45	42	+1	WSW	1	0	2	57	0.16		

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on Saturday, 6th OCTOBER

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

- forces above 10, → forces 8 to 10,
- forces 5 to 7, → forces 1 to 4,
- — dead calm.

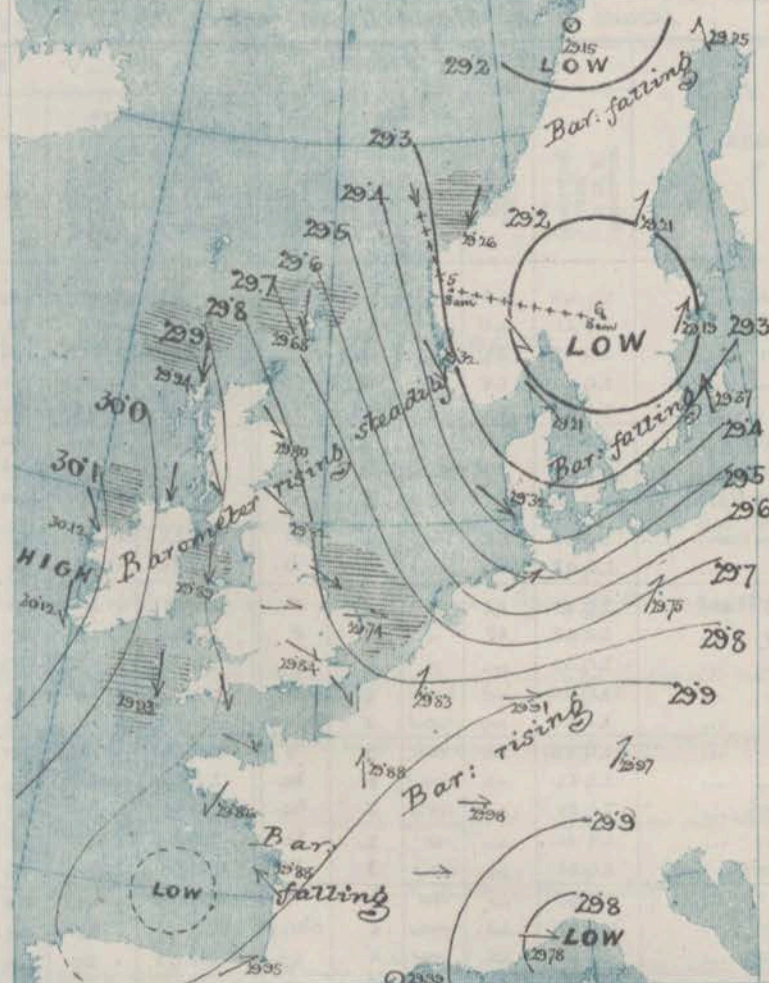
Sea Disturbance — where considerable is shown thus.

— Rough — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head.	29.708
Stornoway	29.735
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.813
Donaghadee	29.832
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roche's Point	29.870
Pembroke	29.868
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.886



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.

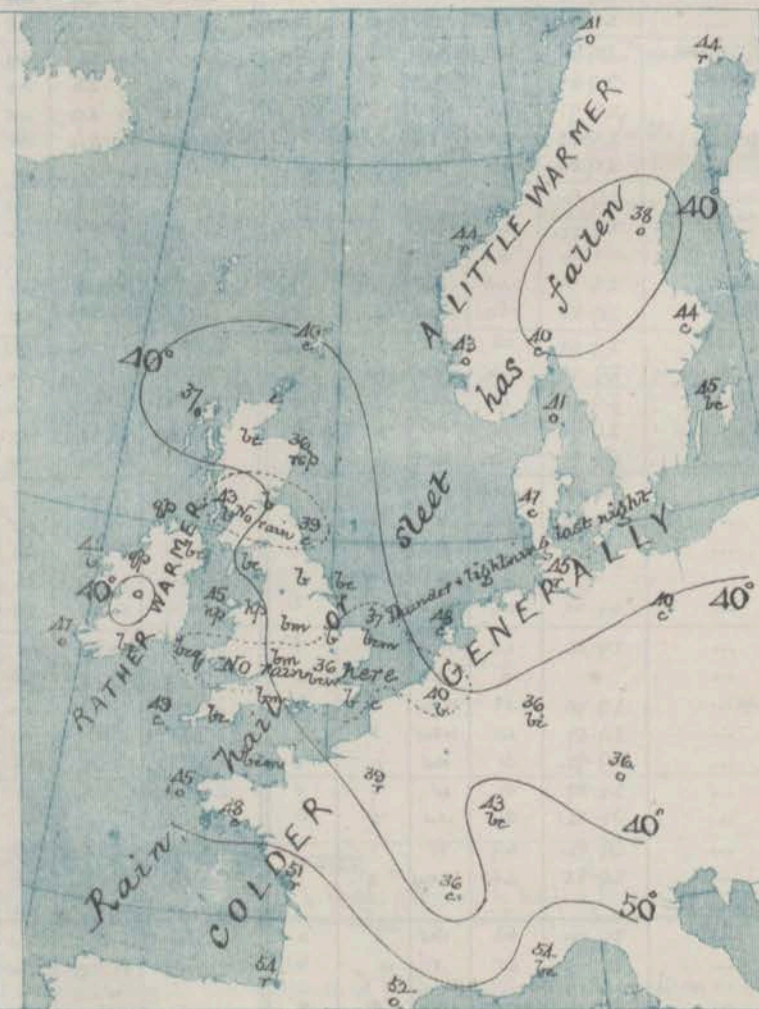
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of October.

STATIONS	TEMPERATURE				RAINFALL. (Inches)
	Daily Max	Daily Min	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	49.7	41.6	46.0	44.3	4.33
Stornoway	50.5	39.5	45.3	44.1	4.94
Wick	51.6	40.1	48.1	44.3	2.94
Nairn	51.6	40.6	44.5	42.5	2.38
Aberdeen	52.3	41.0	45.5	43.5	2.88
Leith	54.7	41.5	46.5	44.7	1.94
Shields	53.0	42.8	47.1	45.4	2.46
York	54.8	41.0	45.9	44.5	2.64
Loughborough	55.3	41.4	46.4	45.0	2.98
Ardrossan	53.5	43.6	47.6	45.6	4.31
Donaghadee	53.2	43.3	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.6	44.6	47.8	45.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.3	49.1	6.09
Roche's Point	55.8	45.9	50.2	48.4	4.17
Pembroke	54.8	48.0	51.2	49.1	4.13
Scilly	56.6	50.3	53.8	51.7	3.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.28
LONDON	56.6	43.2	48.0	46.4	2.74
Oxford	55.3	42.5	46.7	45.3	2.72
Cambridge	56.4	41.2	46.4	45.4	2.36
Yarmouth	54.3	44.8	49.2	47.9	2.97

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.13 in. at Lisbon; 30.12 in. at Belmullet and Valence.
 Lowest, 29.2 in. and less, in a depression lying over central Sweden, and also in another system lying over the north of Norway.
 Gradients steep over the Baltic and North Germany and rather steep over the North Sea, but moderate or slight elsewhere.
 Barometer falling in Sweden and the north of Norway, as well as in the west of France, but rising elsewhere.

TEMPERATURE

Highest, 60° at Lisbon, 54° at Biarritz and Nice, 52° at Perpignan, 51° at Rochefort, 49° at Brest, and 48° at Jersey and Genoa.
 Lowest, 35° at Oxford, 36° at Aberdeen, Loughborough, Dungeness, London, Wiesbaden, Munich and Lyons, and 37° at Lonsbury, Kilm and Yarmouth.
 Frost occurred last night over the eastern and central parts of Great Britain.

WIND

Strong from the N.W. on our western and extreme northern coasts, and moderates from N.W. in the east and south of our islands.
 Moderate from S.W. in Germany and strong from S. in the south of Sweden.
 In the west of France a partial cyclonic circulation is shown round a depression lying over the Bay of Biscay.

WEATHER

Fair over the greater part of our islands, but showery at some of our northern stations.
 Cloudy at the Continental stations, with rain at Haparanda, Christianmünd, Cuxhaven, Paris, Rochefort and Biarritz.
 Showers of rain, hail or sleet were experienced yesterday at all but our extreme southern stations, thunder occurred at Alder, and lightning was seen in the east of England, as well as at Cuxhaven.

SEA

Rough off the north of Scotland, and rather rough on the more exposed parts of our eastern and western coasts, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression of yesterday has changed its course and is now moving Eastwards over Sweden.

In the course of the night a new disturbance has appeared over the Bay of Biscay. This is likely to travel in a northeasterly direction and an increase of cloud is therefore probable at our extreme southern stations, with rain in some places. The system appears to be too shallow to occasion any material increase in the force of the wind.

FORECASTS

for the 24 hours ending at NOON on 7th OCTOBER. 1883.

DISTRICTS.

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

FORECASTS.

Nth winds, fresh; fair generally, but local showers.
 N.W. to N.E. winds, moderate or fresh; fair at first, unsettled later, probably some rain.

DISTRICTS.

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

WARNINGS

FORECASTS.

Same as N^{os} 0 to 2.

Nth winds, fresh or strong; fair generally.

Nth or N.E. winds, strong; fair to unsettled and some rain.

Same as N^o 7.

Same as N^{os} 0 to 2.

NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sen.		Bar.	Dry.	Wet.	Wind.	Wea.	Sen.
Skudesnæs ...	29.08	46	39	ENE 4	c	4	Holyhead ...	29.69	48	44	NW 7	cq	6
Samburgh Head ...	29.25	42	40	N 6	r	6	Valencia ...	29.91	51	49	NW 3	o	3
Stornoway ...	29.60	43	41	N 6	bc	6	Scilly ...	29.86	52	45	NW 5	bc p	4
Aberdeen ...	29.37	44	41	WNW 9	cp	6	Jersey ...	29.87	53	45	WNW 2	bc	3
Shields ...	29.46	51	43	WNW 4	bc	4	Dungeness ...	29.70	53	45	WNW 5	o	3
Ardrossan ...	29.59	45	42	NW 5	bc	3	London ...	29.70	51	45	WNW 4	e	*
Malin Head ...	29.70	45	42	NW 5	b	6	Yarmouth ...	29.58	47	43	W 5	cq	3
Mullaghmore ...	29.77	47	43	NW 7	crh q	6	Rochefort ...	29.99	54	50	WNW 7	c	3
Belmullet ...	29.84	48	43	WNW 3	o	*							

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

The reports for yesterday morning showed that pressure was highest, 30.1 ins. and upwards, over the south of Spain and western Algeria, and relatively high, 29.9 ins. and upwards, over the whole of the Mediterranean and Eastern Europe. The lowest readings 29.1 ins. and less were found in a large and rather deep depression having its centre off the southwest coast of Norway, but a small and shallow depression with readings below 29.7 ins. was also lying over the Gulf of Genoa. Strong winds or gales from the N^W and NW^W were reported over the north and west of the British Islands, and fresh breezes from W. or NW. over our east and south coasts, as well as over the greater part of France and Spain. Over central Europe, however, the wind was moderate from the SW^W, while in the north it was light from the S^W or SE^W. The weather was fine in the east and south of our Islands as well as in Spain, but cloudy or overcast elsewhere, with hail or sleet showers over the northern part of the United Kingdom and rain in many other localities. Temperature had risen a few degrees in the north of Scotland and also in Austria and the south of France but fallen elsewhere, readings ranged from 70° and upwards over Algeria, south Italy, and the Adriatic to 40° or less over Northern Europe and the north-east and south-east of our Islands. The highest individual readings were 78° at Palermo and Malta, 75° at Trieste, 74° at Brindisi, 73° at Genoa, and 72° at Venice; the lowest were 33° at Dungeness, 35° at Uleaborg and Aberdeen, 37° at Karsna town, Oxford, Yarmouth and in London, and 38° at Kain and Cambridge.

In the course of the day the depression off the Norwegian coast moved slowly eastwards and the barometer rose briskly in the north. Strong winds and cold showers continued however to prevail on our northern coasts, and in the east of Scotland a hard gale from the NW^W was experienced.

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 7th OCTOBER. 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.			
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	29.06	42	SW	2	b	29.26	- .08	37	37	- 7	ENE	2	r	*	46	?	0.12	
	Hernösand ...	29.24	37	N	2	b	29.50	+ .29	38	37	0	NW	2	b	*	50	?	—	
	Stockholm ...	29.39	39	WSW	4	b	29.63	+ .44	37	36	- 7	L	0	b	*	48	34	—	
	Wisby ...	29.54	46	SSW	6	bc	29.70	+ .38	48	46	+ 3	W	4	c	*	48	37	0.12	
	Bodö ...	29.26	41	WSW	2	c	29.39	+ .24	42	40	+ 1	WNW	4	c	2	?	37	0.12	
	Christiansund...	29.48	42	N	7	r	29.73	+ .47	44	39	- 3	WNW	7	r	6	44	37	0.63	
	Skudesnaes ...	29.62	42	NW	7	c	29.78	+ .46	44	38	- 2	NNW	6	b	4	46	?	—	
	Christiania Fjord (Fjord)	29.42	48	WSW	2	bc	29.66	+ .49	44	39	+ 1	NNE	5	b	2	48	39	0.39	
	Skagen (The Scaw)	29.45	43	NW	1	b	29.62	+ .41	44	43	+ 3	L	0	bc	1	46	39	0.04	
	Fanö ...	29.68	45	WNW	4	c	29.67	+ .35	40	39	- 7	L	0	o	*	32	37	0.20	
BRITISH ISLANDS.	Sumburgh Head	29.85	38	N	5	o	29.99	+ .31	38	37	- 2	NNE	1	c	4	42	35	0.08	
	Stornoway ...	30.06	41	N	3	c	30.08	+ .14	43	43	+ 6	N	1	o	2	43	34	0.10	
	Wick ...	29.97	40	N	5	o	30.00	+ .24	42	41	+ 3	NW	2	o	1	42	38	0.08	
	Nairn ...	30.03	40	W	3	o	30.08	+ .21	41	39	+ 4	W	1	c	2	43	37	0.01	
	Aberdeen...	29.99	38	NW	1	o	30.08	+ .25	39	37	+ 3	WNW	2	o	4	44	36	0.03	
	Leith ...	30.05	42	N	3	bc	30.10	+ .24	42	39	+ 2	NW	2	o	*	50	37	—	
	Shields ...	29.98	43	NW	3	c	30.07	+ .25	40	36	+ 1	NNW	2	o	4	46	35	—	
	Spurn Head ...	29.94	43	NW	5	bc	30.02	+ .27	43	40	+ 2	NW	6	bc	5	45	34	0.02	
	York ...	29.99	40	NNW	1	b	30.10	+ .26	39	35	+ 1	NW	8	b	*	46	33	—	
	Loughborough	30.01	40	NNW	1	b	30.12	+ .29	38	35	+ 2	WNW	2	cm	*	48	32	—	
GERMANY.	Ardrossan ...	30.08	42	NW	2	b	30.18	+ .23	45	44	+ 2	NNW	1	o	1	48	40	—	
	Malin Head ...	30.17	45	NNW	3	o	30.16	+ .19	50	48	+ 7	NW	4	o	3	50	41	0.02	
	Mullaghmore ...	30.24	46	NW	5	c	30.25	+ .22	52	45	+ 6	WNW	7	o	6	52	42	0.07	
	Belmullet ...	30.27	47	NNW	5	o	30.33	+ .21	52	48	+ 5	NW	2	o	*	52	40	—	
	Donaghadee ...	30.11	48	NE	5	c	30.16	+ .23	48	48	+ 3	NNE	5	c	4	48	44	0.13	
	Barrow-in-Furness	30.04	40	NE	2	bc	30.12	+ .29	44	42	+ 5	NW	3	bc	*	46	36	0.01	
	Liverpool (Bidston)	30.06	43	N	2	bc	30.15	+ .29	43	41	+ 1	NNE	1	o	2	46	39	0.04	
	Holyhead ...	30.07	46	NNE	5	c	30.15	+ .26	50	48	+ 5	NW	6	o	6	50	43	0.02	
	Parsonstown ...	30.17	45	L	0	c	30.26	+ .25	46	44	+ 8	W	2	o	*	48	37	—	
	Valencia ...	30.30	50	N	14	o	30.40	+ .28	52	48	+ 5	NW	2	o	2	50	44	0.03	
FRANCE & NETHERLANDS.	Roche's Point...	30.22	49	N	6	bc	30.35	+ .29	45	42	+ 1	WNW	3	bc	3	51	38	—	
	Pembroke ...	30.09	44	N	6	r	30.23	+ .31	47	44	+ 1	NW	4	bc	4	49	42	0.12	
	Seilly ...	30.09	50	N	7	o	30.29	+ .36	50	46	+ 1	N	6	o	5	51	47	0.01	
	Prawle Point ...	30.04	42	NW	2	bc	30.28	+ .39	45	42	- 2	NNW	2	bc	1	55	34	—	
	Jersey ...	29.95	50	NW	3	bc	30.23	+ .37	48	42	0	NNW	3	o	3	54	44	0.07	
	Hurst Castle ...	29.97	44	NNW	3	c	30.18	+ .32	38	36	- 2	NNW	3	cm	2	51	34	0.03	
	Dungeness ...	29.89	43	N	2	bc	30.06	+ .25	38	35	+ 2	NNW	4	bc	2	50	33	—	
	London ...	29.97	43	N	3	bc	30.12	+ .28	39	36	+ 3	NNW	1	c	*	50	32	—	
	Oxford ...	30.04	37	NW	2	b	30.15	+ .29	35	34	0	W	1	c	*	49	30	—	
	Cambridge ...	29.98	40	NW	1	o	30.11	+ .29	40	36	+ 2	NW	1	bc	*	51	32	—	
PENINSULA.	Yarmouth ...	29.87	41	NNW	3	c	29.99	+ .25	41	40	+ 4	WNW	4	rg	5	44	35	0.45	
	Cuxhaven ...	29.77	43	WSW	3	c	29.83	+ .35	44	43	- 1	SW	2	c	*	50	42	0.24	
	Berlin ...	29.87	43	SW	2	b	29.92	+ .17	36	35	- 4	SW	1	c	*	50	34	—	
	Wiesbaden ...	*	*	*	*	*	29.94	+ .03	41	40	+ 5	L	0	o	*	46	36	—	
	Munich ...	29.96	35	SW	2	b	29.86	- .11	35	34	- 1	N	3	c	*	45	30	—	
	The Helder ...	29.87	46	NNE	1	r	29.90	+ .21	44	43	- 4	NNW	1	r	3	48	44	0.35	
	Brussels ...	*	*	*	*	*	29.99	+ .16	42	41	+ 2	W	1	r	*	51	37	0.04	
	Cape Gris Nez...	29.87	47	NNE	5	c	30.02	+ .24	43	42	- 1	N	7	bc	5	52	43	0.04	
	Paris ...	29.91	42	NE	1	bc	30.08	+ .20	39	38	0	NW	2	o	*	52	38	0.63	
	Brest ...	30.07	49	N	7	o	30.11	+ .23	43	41	- 2	E	3	o	2	57	39	0.08	

WEATHER CHARTS

for 8 a.m. on

Sunday, 7th October

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

Changes since previous morning are stated in words.

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

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

⊙ = dead calm.

Sea Disturbance — where considerable is shown thus.

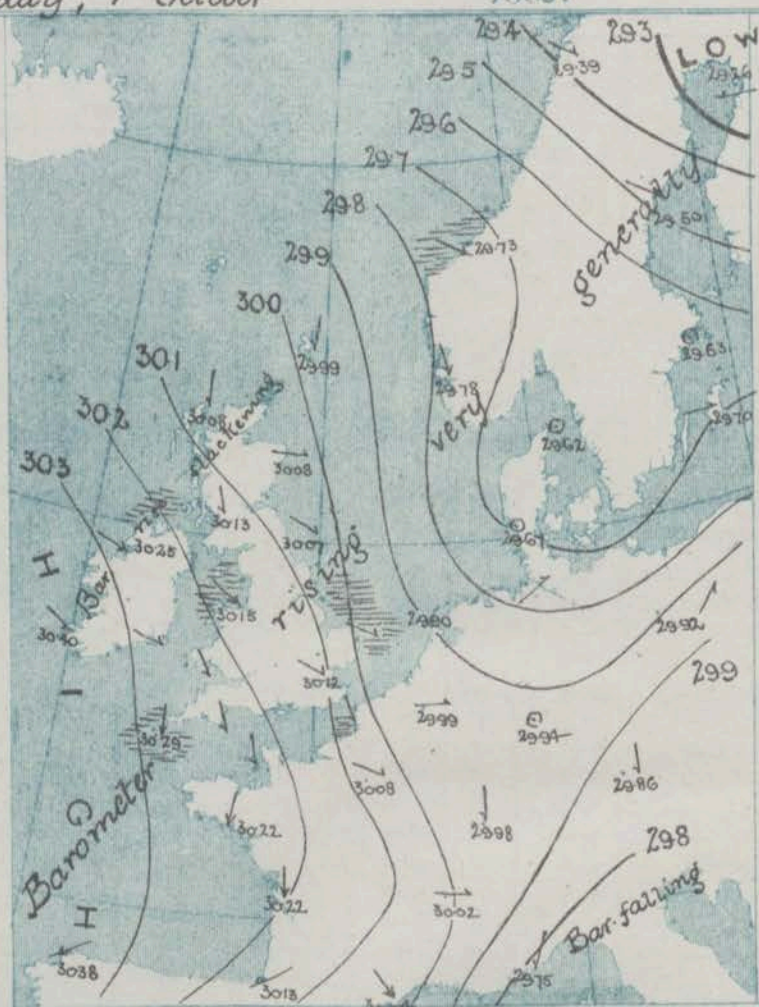
■ = Rough ■ = High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871 — 1885.

STATIONS	MEAN READINGS.
Sumbargh Head	29.708
Stornoway	29.735
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.813
Donaghadee	29.832
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roche's Point	29.870
Pembroke	29.868
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.886



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.

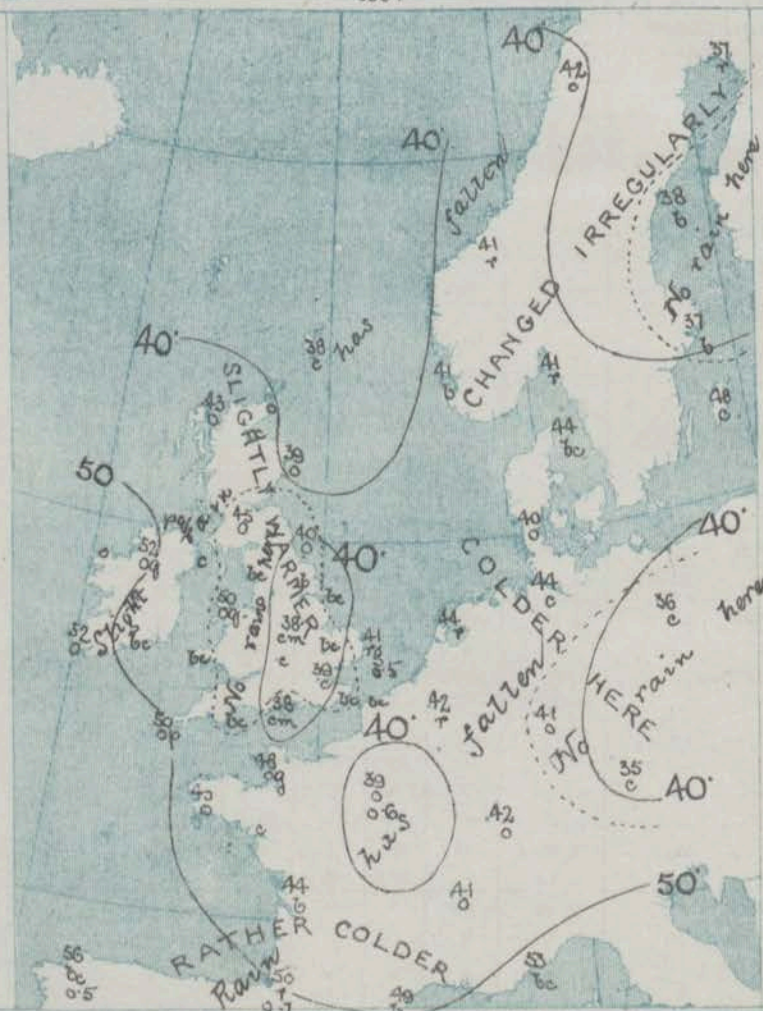
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of October.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumbargh Head	49.7	41.6	46.0	44.3	4.33
Stornoway	50.5	39.5	45.3	44.1	4.94
Wick	51.6	40.1	46.1	44.3	3.94
Nairn	51.6	40.6	44.5	42.5	3.88
Aberdeen	52.3	41.0	45.5	43.5	2.88
Leith	54.7	41.5	46.5	44.7	1.94
Shields	53.0	42.8	47.1	45.4	2.46
York	54.8	41.0	45.9	44.5	2.64
Loughborough	55.3	41.4	46.4	45.0	2.98
Ardrossan	53.5	43.6	47.6	45.6	4.31
Donaghadee	53.2	43.3	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.8	44.6	47.8	45.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.3	49.1	6.00
Roche's Point	55.8	45.9	50.2	48.4	4.17
Pembroke	54.8	48.0	51.2	49.1	4.13
Scilly	56.8	50.3	53.8	51.7	3.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.28
LONDON	56.5	43.2	48.0	46.4	2.74
Oxford	55.3	42.5	46.7	45.3	2.72
Cambridge	56.4	41.2	46.4	45.4	2.35
Yarmouth	54.3	41.8	49.2	47.9	2.07

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in. and upwards, in a large anticyclone lying to the southward of our Islands.
 Lowest, 29.5 in. and less, in a depression lying over Lapland. A large secondary disturbance is situate over Denmark and the south of Sweden, and another depression over the Gulf of Genoa.
 Gradients moderate or slight. Barometer rising at all but the southern French stations.

TEMPERATURE

Highest, 56° at Corunna and Lisbon, 53° at Nice, 52° at Bournemouth and Mullaghmore, and 50° at Malin Head and Galley.
 Lowest, 35° at Oxford and Munich, 36° at Berlin, 37° at Haparanda and Stockholm, and 38° at Helsingfors, Lumburg, H. S. Light, and Hunt Castle and Cuxhaven.
 Frost again occurred last night over some of the inland parts of England.

WIND

N.W. in our Islands and the north of Scandinavia, strong in force in exposed places.
 Strong from the N.W. over the North Sea and also in France.
 Light or moderate from the S.W. over the Baltic and North Germany.

WEATHER

Rainy over the north of Scandinavia and the Netherlands as well as at Yarmouth and Brixia.
 Fair in most other localities, but still in the west and north of our Islands, with showers at Malin Head and Galley.
 Rain fell yesterday in nearly all parts of Western Europe.

SEA

Rough at Christiansund, Mullaghmore, and Holyhead, and rather rough on many of the more exposed parts of our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed over the south of Sweden yesterday has travelled away in an easterly or northeasterly direction, and a large anticyclone has appeared off our west and southwest coasts. There are at present no signs of the advance of any new depressions.

FORECASTS

for the 24 hours ending at NOON on 8th OCTOBER 1883.

DISTRICTS.

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

FORECASTS.

NONE ISSUED

DISTRICTS.

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

WARNINGS

FORECASTS.

NONE ISSUED

NONE ISSUED

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Woa.	Sea.		Bar.	Dry.	Wet.	Wind.	Woa.	Sea.
Skudesnes ...	29.49	46	43	NNW 8	r	5	Holyhead ...	30.00	46	44	N 5	cg	5
Sumburgh Head ...	29.51	39	36	N 5	o	6	Valencia ...	30.22	37	45	N 4	cg	4
Stornoway ...	30.04	42	40	N 4	o	4	Scilly ...	30.05	36	42	N 6	o	5
Aberdeen ...	29.94	39	37	NNW 5	cgprs	5	Jersey ...	29.92	34	47	NNW 3	ben	3
Shields ...	29.91	44	39	N 4	c	4	Dungeness ...	29.88	49	45	NNW 3	m	2
Ardrossan ...	20.00	46	39	VNNW 2	b	1	London ...	29.87	49	43	NNW 3	o	*
Malin Head ...	20.11	44	41	N 4	o	4	Yarmouth ...	29.80	42	40	NNW 4	od	4
Mullaghmore ...	30.15	47	43	NNW 6	o/p	5	Rocheport ...	29.58	45	47	ENE 7	r	2
Belmullet ...	30.20	48	43	N 5	o	*							

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

The reports for yesterday morning showed that pressure was highest, 30.1 ins. and upwards, in a large area extending southwards from the coast of Ireland, and southwards from Spain, and lowest 29.2 ins. and less, in two depressions lying, respectively, over the north of Scandinavia and the south of Sweden. Shallow disturbances were also lying over the Bay of Biscay, and the Gulf of Genoa. The wind was strong from the N^W or NW^W over our Islands and the North Sea, and moderate or fresh from SW or S over Central and Northern Europe, but in Spain or France it circulated round one or other of the shallow depressions noticed above. The weather, although fair in many parts of the United Kingdom, was upon the whole in a changeable unsettled state, with showers in the north of our Islands, and rain at several of the Continental stations. Temperatures had risen a little in the western parts of our Islands and Norway, as well as in Spain, but fallen elsewhere; readings ranged from 70° and upwards over South Italy, and 65° and upwards at some of the Algerian stations to 40° or less, over the northern and eastern parts of Great Britain and the central parts of Germany and France. The highest individual readings were 76° at Malta, 75° at Brindisi, 68° at Cagliari, Oran and Tunis, 67° at Algiers, 66° at Leghorn and Nemours, and 64° at Rome and Naples; the lowest were 35° at Oxford, 36° at Aberdeen, Loughborough, Dungeness, London, Wiesbaden, Munich, Clermont and Lyons, and 37° at Ales, Stornoway, Kain, Yarmouth, Nancy, and Besancon.

Later in the day the depression over the south of Sweden moved slowly eastwards, while the disturbance over the Bay of Biscay disappeared. Showers fell in most parts of the United Kingdom, and the weather remained very cold for the time of year.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Monday, October 8th

1888.

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

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)		SHADE TEMP.		Amount of Rainfall.
			Dir.	Force (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)				Max.	Min.	
SCANDINAVIA.	Haparanda ..	29.47	38	Z	0	r	29.54	+ .25	86	35	- 1	WSW	2	c	*		46	36	-
	Hernösand ...	29.78	36	NW	2	b	29.86	+ .36	38	35	0	WNW	2	c	*		52	30	-
	Stockholm ...	29.85	38	Z	0	b	30.00	+ .37	37	36	0	Z	0	b	*		45	32	-
	Wisby ...	29.89	43	SW	2	b	30.03	+ .33	46	44	- 2	SW	2	b	*		50	41	-
	Bodö ...	29.58	40	WSW	6	r	29.53	+ .14	39	35	- 3	WSW	6	c	3		43	24	0.16
	Christiansund...	?	40	NW	5	r	?	?	42	41	+ 1	NW	2	r	4		43	37	0.35
	Skudesnaes ...	29.97	41	NW	4	b	30.07	+ .29	41	39	0	W	2	c	3		48	41	-
	Christiania Fjord	29.89	41	NNE	2	b	30.02	+ .36	45	42	+ 4	WSW	2	b	1		46	41	-
	(Fjord)																		
	Skagen (The Scaw)	29.84	45	NE	1	b	30.06	+ .44	42	40	- 2	Z	0	b	0		48	36	-
BRITISH ISLANDS.	Fanö ...	29.93	36	NW	2	b	30.08	+ .41	43	40	+ 3	E	1	b	*		46	34	0.16
	Sumburgh Head	30.03	42	Z	0	c	29.93	- .06	48	47	+ 10	W	2	r	2		48	37	0.03
	Stornoway ...	30.07	50	Z	0	b	30.10	+ .02	51	51	+ 8	Z	0	0	2		51	43	0.10
	Wick ...	30.04	44	N	2	0	30.06	- .00	52	51	+ 10	NW	3	0	1		52	42	0.04
	Nairn ...	30.16	46	W	1	bc	30.09	+ .01	50	49	+ 9	SW	1	0	1		51	41	-
	Aberdeen...	30.13	39	NW	1	c	30.13	+ .05	47	45	+ 8	WSW	1	0	2		47	39	-
	Leith ...	30.12	46	W	1	0	30.15	+ .05	47	47	+ 5	W	2	om	*		52	40	-
	Shields ...	30.12	44	Z	0	m	30.18	+ .11	46	44	+ 6	W	1	om	4		50	38	-
	Spurn Head ...	30.11	45	NW	5	bc	30.17	+ .15	44	42	+ 1	NW	3	bc	4		46	39	0.02
	York ...	30.11	46	N	1	c	30.23	+ .13	41	39	+ 2	Z	0	f	*		50	36	-
BRITISH ISLANDS.	Loughborough	30.15	44	NW	1	0	30.23	+ .11	36	35	- 2	Z	0	om	*		53	33	-
	Ardrossan ...	30.14	51	NW	1	c	30.19	+ .06	48	47	+ 3	Z	0	0	0		51	45	-
	Malin Head ...	30.19	49	NW	3	0	30.23	+ .07	52	51	+ 2	NW	2	0	2		52	49	0.01
	Mullaghmore ...	30.25	50	NW	5	op	30.29	+ .02	50	48	- 2	W	1	0	1		54	47	0.03
	Belmullet ...	30.30	51	NW	2	0	30.30	- .03	52	50	0	NW	2	0	*		54	49	0.08
	Donaghadee ...	30.18	49	NE	3	0	30.23	+ .07	50	50	+ 2	W	3	c	2		52	47	0.18
	Barrow-in-Furness	30.14	49	NW	1	0	30.18	+ .06	46	46	+ 2	E	2	om	*		52	43	0.05
	Liverpool (Bidston)	30.18	46	WNW	1	0	30.22	+ .07	45	45	+ 2	SE	1	of	1		50	43	0.08
	Holyhead ...	30.18	49	NNE	2	0	30.21	+ .06	52	50	+ 2	NW	3	0	3		52	48	0.11
	Parsonstown ...	30.32	52	NW	1	0	30.84	+ .08	47	47	+ 1	Z	0	0	*		54	45	0.04
BRITISH ISLANDS.	Valencia ...	30.37	53	WNW	3	0	30.35	- .05	52	51	0	WNW	1	0	1		57	50	0.01
	Roche's Point...	30.32	52	WNW	4	c	30.28	- .07	51	48	+ 6	N	2	c	3		53	43	-
	Pembroke ...	30.21	52	NW	5	c	30.23	- .00	51	50	+ 4	N	2	of	2		54	48	0.15
	Scilly ...	30.28	54	NW	5	c	30.24	- .05	53	50	+ 3	NW	5	0	5		54	49	-
	Prawle Point ...	30.22	49	WNW	3	0	30.24	- .04	49	49	+ 4	NW	1	dg	0		57	42	0.05
	Jersey ...	30.16	52	WNW	5	cp	30.23	- .00	50	45	+ 2	NNE	1	om	1		54	45	0.25
	Hurst Castle ...	30.07	44	NE	2	bm	30.24	+ .06	42	41	+ 4	NE	1	om	1		51	38	0.01
	Dungeness ...	30.09	46	N	2	c	30.17	+ .11	39	37	+ 1	N	3	m	2		48	31	-
	London ...	30.12	44	N	1	bc	30.23	+ .11	34	32	- 5	Z	0	f	*		50	28	-
	Oxford ...	30.20	36	Z	0	bc	30.24	+ .09	39	38	+ 4	NW	1	om	*		50	35	-
FRANCE & NETHERLANDS.	Cambridge ...	30.20	46	NW	1	c	30.22	+ .12	34	34	- 6	NW	1	b	*		53	24	-
	Yarmouth ...	30.03	43	NW	4	cpgrh	30.16	+ .17	42	41	+ 1	NW	2	bm	5		46	35	0.11
	Cuxhaven ...	29.89	43	SW	3	r	30.11	+ .28	40	40	- 4	E	1	f	*		47	39	0.18
	Berlin ...	29.95	45	SW	1	0	30.07	+ .15	42	40	+ 6	NE	1	c	*		48	?	-
	Wiesbaden ...	*	*	*	*	*	30.07	+ .13	39	37	- 2	Z	0	bc	*		48	37	0.04
	Munich ...	29.98	35	NE	2	s	29.97	+ .11	33	33	- 2	NW	4	s	*		39	32	0.47
	The Helder ...	29.49	45	NNE	5	r	30.09	+ .19	46	44	+ 2	N	3	r	3		48	?	0.32
	Brussels ...	*	*	*	*	*	30.12	- .13	39	38	- 3	WNW	1	f	*		45	36	0.08
	Cape Gris Nez...	30.05	45	N	5	c	30.14	+ .12	45	44	+ 2	NNE	7	bc	5		50	43	-
	Paris ...	30.13	41	NW	3	bc	30.16	+ .08	30	30	- 9	NW	1	b	*		51	36	-
FRANCE & NETHERLANDS.	Brest ...	30.34	52	N	5	0	30.28	+ .17	51	49	+ 8	N	4	0	3		57	39	0.08
	Lorient ...	30.28	53	NW	7	c	30.23	+ .01	46	46	- 1	ENE	4	m	2		54	46	0.04
	Rochefort ...	30.27	52	N	7	bc	30.21	- .01	47	45	+ 3	NNE	7	b	2		54	39	-
	Belfort ...	29.97	42	N	1	0	29.98	- .00	38	38	- 4	E	1	b	*		45	35	-
	Lyons ...	30.07	?	N	5	b	29.98	- .04	39	36	- 2	NW	7	0	*		47	38	-
	Nice ...	29.61	52	ENE	3	b	29.73	- .02	44	42	- 9	NE	1	0	1		64	41	0.12
	Perpignan ...	30.10	46	NW	5	b	29.97	- .07	45	40	- 4	W	5	c	*		57	44	-
	Biarritz ...	30.26	50	E	3	0	30.14	+ .01	58	53	+ 8	NW	7	0	3		?	26	0.28
	Corunna ...	*	*	*	*	*	30.24	+ .02	55	48	- 1	NNE	5	b	2		66	52	-
	Lisbon ...	30.22	58	N	5	b													-

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

For 8 a.m. on Monday 8th October 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

Sea Disturbance — where considerable is shown thus.

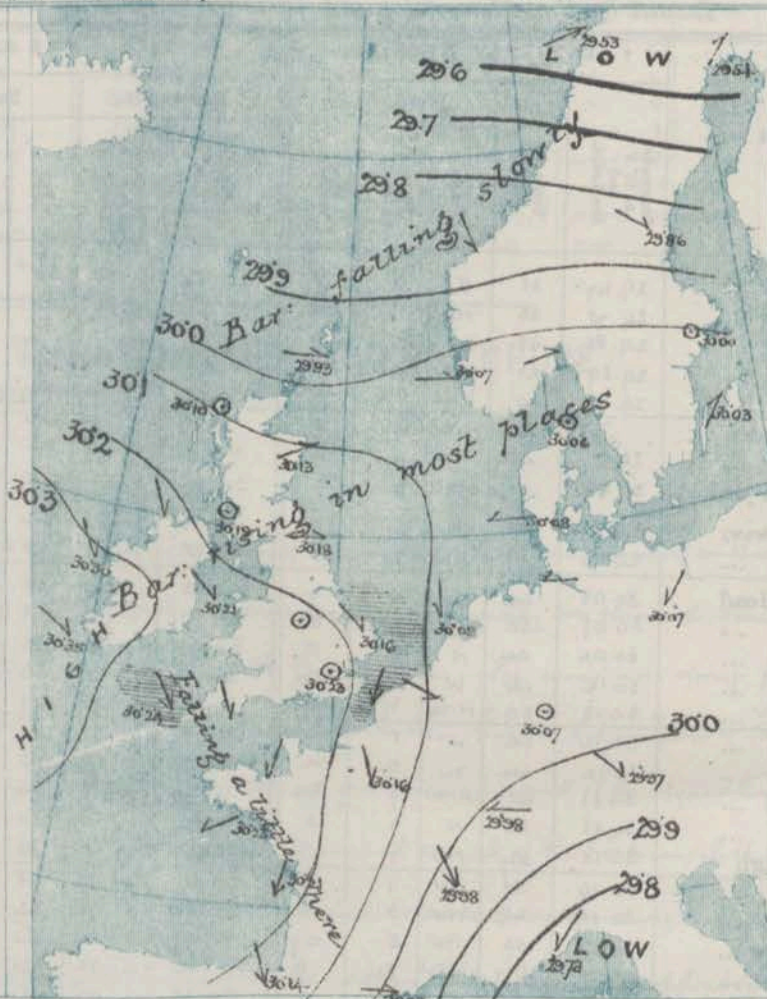
— Rough — High

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS
	in.
Sumburgh Head	29.705
Stornoway	29.735
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.813
Donaghadee	29.832
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roche's Point	29.870
Pembroke	29.868
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.886



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 October.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	49.7	41.6	46.0	44.3	4.33
Stornoway	50.6	39.5	45.3	44.1	4.94
Wick	51.0	40.1	46.1	44.3	2.94
Nairn	51.6	40.6	44.5	42.5	2.38
Aberdeen	52.3	41.0	45.5	43.5	2.88
Leith	54.7	41.5	46.5	44.7	1.91
Shields	53.0	42.8	47.1	45.4	2.46
York	54.8	41.0	45.9	44.5	2.64
Loughborough	55.3	41.4	46.4	45.0	2.98
Ardrossan	53.5	43.6	47.6	45.6	4.31
Donaghadee	53.2	43.3	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.58
Liverpool	53.6	44.6	47.8	46.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.3	49.1	6.09
Roche's Point	55.8	45.9	50.2	48.4	1.17
Pembroke	54.8	48.0	51.2	49.1	4.13
Scilly	56.6	50.3	53.8	51.7	8.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.28
LONDON	56.6	43.2	48.0	46.4	2.74
Oxford	55.3	42.5	46.7	45.3	2.72
Cambridge	56.4	41.2	46.4	45.3	2.36
Yarmouth	54.3	44.8	49.2	47.9	2.97

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in: and upwards, in the west and south of Ireland.
 Lowest, 29.6 in: and less, in the north of Scandinavia, 29.8 in: and less, in the south east of France.
 Gradients slight generally. Barometer falling a little in France, and the southwest of England, and the extreme north of Scotland, but rising elsewhere.

TEMPERATURE

Highest, 55° at Ljubow, 53° at Bally and 51° at Wick, Malin Head, Belmullet, Holyhead and Valencia.
 Lowest, 30° at Paris, 33° at Munich, 34° at Cambridge and in London, 36° at Haparanda and Loughborough and 37° at Stockholm.
 During last night the sheltered thermometer fell to 25° in London and to 27° at Cambridge.

WIND

Light from the W. over Scotland and the greater part of Scandinavia.
 Light from NW. over Ireland and England, and from E. in Denmark and North Germany.
 Strong from the N. at several of the French stations.

WEATHER

Fine at our southeastern and many of the Continental stations.
 Dull in the west and north, with rain at Christiansund and Lumburg Head, and passing showers at Pembroke.
 Showers fell yesterday in many parts of the United Kingdom.

SEA

Rather rough at Bally, Yarmouth and Cape Fisker, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The changes in pressure are at present too slight to lead to any important alterations in the weather, but some increase of temperature is probable over England.

FORECASTS

For the 24 hours ending at NOON on 9th OCTOBER 1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	W ^{ly} and NW ^{ly} winds, freshening, dull, rain locally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	W ^{ly} and NW ^{ly} winds, light or moderate; cloudy, rain locally.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	NW ^{ly} and N ^{ly} winds, light; cloudy, milder, possibly some rain.
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No 0
7	ENGLAND N.W.	
8	ENGLAND S.W.	N ^{ly} winds, light or moderate; cloudy and showery to fair.
9	IRELAND NORTH	
10	IRELAND SOUTH	Same as No 2
WARNINGS		NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.88	48	44	NW 6	6	4	Holyhead ...	30.18	49	48	N 3	0 10	4
Sumburgh Head ...							Valencia ...						
Stornoway ...	30.09	49	48	N 1	0	2	Scilly ...						
Aberdeen ...							Jersey ...	30.21	54	48	WNW 3	C	3
Shields ...							Dungeness ...	30.07	48	41	N 3	C	2
Ardrossan ...							London ...						
Malin Head ...	30.20	49	49	NW 3	0	3	Yarmouth ...						
Mullaghmore ...							Rochefort ...	30.28	53	46	N 7	00	2
Belmullet ...	30.30	53	51	WNW 3	50	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that pressure was highest 30.3 ins. and upwards in an anticyclone lying to the southwestward of the British Islands, and lowest 29.3 ins. and less, in a depression lying over eastern Lapland. A large secondary disturbance was however, lying over Denmark and the south of Sweden, and another shallow disturbance over the Gulf of Genoa. The wind was NW or N over the greater part of western Europe, but SW over Germany, the Baltic and northern Russia, and variable in Italy and Algeria. The weather varied greatly in different localities, but was upon the whole in a somewhat changeable, unsettled state with rain or passing showers in many places. Temperature had risen a little over the greater part of our Islands but fallen elsewhere, and readings ranged from 65° and upwards, at several of the Spanish, Italian and Algerian stations to 40° in Sweden and northern Russia, and the central parts of most other countries. The highest individual readings were 78° at Sfax, 72° at Malta, 70° at Brindisi, 68° at Palermo, 66° at Oran and La Calle, and 65° at Rome and Algiers; the lowest were 34° at Charlville, 35° at Oxford, Breslaw, Munich and Prague, 35° at Munster and Berlin, and 34° at Haparanda and Stockholm.

In the course of the day the barometer fell a little on our extreme west and southwest coasts, with an increase of cloud, and rain. In the north and east however, the mercury continued to rise and the weather remained fine.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM 30TH SEPTEMBER TO THE 6TH OCTOBER 1888.

The weather of the past week has been very cold and unsettled. N^{ly} gales and snowstorms have been experienced in many parts of the Kingdom, and temperature has been unusually low for the time of year. Pressure has been as a rule highest to the westward or southwestward, and lowest to the eastward or northeastward of our Islands. In addition to smaller disturbances which appeared at various times over France, two large depressions have advanced over northwest Europe.

The first which was originally large and deep, but which afterwards diminished in intensity, appeared over Scandinavia on the 30th September, and occasioned slight NW or N^{ly} gales in Scotland, with a rapid fall of temperature in all districts. On the night of the 1st the system travelled southwestward to Scotland and in the course of the ensuing 48 hours its centre moved slowly southwards across the United Kingdom to France, where it eventually dispersed. Its progress was attended by snow in the northern parts of the country, while cold rain fell in the south.

The second was observed off the west of Norway on the 4th, and for a time the disturbance travelled slowly in a southerly direction. N^{ly} gales and snow again set in over Scotland and afterwards extended to all but our extreme southern stations. On the 6th however, the depression changed its course and moved eastwards to Sweden and northern Russia, and at the close of the time the winds over our Islands were moderating, and the weather improving. On the night of the 5th lightning was seen in the east of England.

Temperature has been low throughout, and night frosts have occurred in all parts of the Kingdom. On the morning of the 4th the thermometer in the north of Scotland stood at about the freezing point, and at 2 p.m. the reading at Aberdeen was as low as 34°.

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, 9th October

1888.

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

STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea 0 to 9.)	Shade Temp.	Max.	Min.	Amount of Rain.
			Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)						
SCANDINAVIA.	Haparanda ..	29.64	31	2	0	6	29.68	+ 14	31	31	- 5	ENE	2	5	*	41	30	-
	Hernösand ...	29.81	37	2	0	6	29.75	- 08	37	30	- 1	2	0	6	*	46	32	-
	Stockholm ...	30.02	39	SSW	2	6	29.92	- 08	44	42	+ 7	SSW	2	0	*	46	30	-
	Wisby ...	30.10	41	E	2	6	30.04	+ 01	46	43	0	W	2	6	*	50	37	-
	Bodö ...	29.61	35	ENE	2	6	29.73	+ 20	35	33	- 4	ESE	2	6	1	39	32	-
	Christiansund...	29.67	46	SW	6	7	29.93	?	42	40	0	WSW	7	7	5	?	41	0.16
	Skudesnaes ...	29.99	49	WNW	4	0	30.04	- 03	50	48	+ 9	NW	2	0	4	?	41	-
	Christiania Fjord (Farder)	29.95	49	WSW	8	0	29.90	- 12	49	46	+ 4	WNW	4	6	3	?	41	-
	Skagen (The Scaw)	30.05	43	NW	2	60	29.95	- 11	49	48	+ 7	WNW	3	6	3	50	41	-
	Fanö ...	30.15	39	Z	0	6	30.08	00	42	41	- 1	NE	1	6	*	48	34	-
BRITISH ISLANDS.	Sumburgh Head	29.94	49	W	3	0	30.02	+ 09	49	49	+ 1	Z	0	0	2	52	47	0.01
	Stornoway ...	30.10	49	W	2	0	30.08	- 02	48	47	- 3	W	2	0	3	56	43	-
	Wick ...	30.09	49	NW	3	0	30.09	+ 03	49	47	- 3	NW	2	60	0	52	44	0.01
	Nairn ...	30.11	52	W	1	0	30.10	+ 01	46	43	- 4	Z	0	60	1	56	43	-
	Aberdeen...	30.14	51	W	1	0	30.14	+ 01	48	47	+ 1	SW	1	0	1	56	47	0.06
	Leith ...	30.13	53	E	1	m	30.11	- 04	50	50	+ 3	W	1	m	*	60	46	0.07
	Shields ...	30.14	50	S	1	m	30.14	- 04	49	47	+ 3	SW	1	om	3	54	44	-
	Spurn Head ...	30.15	49	E	1	6	30.14	- 03	45	43	+ 1	NW	1	6	2	49	41	-
	York ...	30.19	49	SE	1	0	30.16	- 07	44	42	+ 3	SE	1	6	*	52	40	-
	Loughborough	30.18	48	ENE	1	0	30.18	- 05	29	28	- 7	Z	0	6m	*	51	28	-
GERMANY.	Ardrossan ...	30.16	53	WNW	3	0	30.14	- 05	50	49	+ 2	NW	2	cm	1	57	47	-
	Malin Head ...	30.21	51	NW	2	0	30.14	- 09	50	48	- 2	NW	2	0	2	53	43	0.19
	Mullaghmore ...	30.23	51	NW	2	Cp	30.15	- 12	48	46	- 2	E	2	0	2	58	45	-
	Belmullet ...	30.26	52	WSW	1	0	30.15	- 15	51	48	- 1	S	1	0	*	56	47	-
	Donaghadee ...	30.20	53	N	2	C	30.16	- 07	48	47	- 2	W	2	C	1	57	46	-
	Barrow-in-Furness	30.17	49	E	2	0	30.14	- 04	47	46	+ 1	ENE	2	om	*	52	46	-
	Liverpool (Bidston)	30.18	50	NW	1	0	30.16	- 06	46	44	+ 1	ESE	2	0	2	53	45	-
	Holyhead ...	30.19	53	NW	1	0	30.13	- 08	49	47	- 3	Z	0	cm	0	56	49	0.06
	Parsonstown ...	30.17	52	Z	0	0	30.21	- 13	45	45	- 2	Z	0	0	*	52	44	-
	Valencia ...	30.26	54	NW	1	om	30.16	- 19	50	49	- 2	Z	0	0	1	57	44	0.01
FRANCE & NETHERLANDS.	Roche's Point...	30.23	52	N	1	p	30.14	- 14	50	48	- 1	NNW	2	cm	3	56	46	-
	Pembroke ...	30.19	51	NE	2	C	30.11	- 12	50	49	- 1	ENE	2	Cp	1	54	48	0.15
	Seilly ...	30.19	54	N	4	0	30.10	- 14	52	49	- 1	NE	2	0	4	54	50	0.01
	Prawle Point ...	30.18	49	N	1	0	30.12	- 12	48	44	- 1	ENE	2	C	1	53	40	0.01
	Jersey ...	30.17	51	N	1	om	30.08	- 15	51	47	+ 1	ENE	4	6m	3	54	47	-
	Hurst Castle ...	30.17	49	NNE	1	m	30.13	- 11	43	41	+ 1	NE	2	6m	0	55	38	-
	Dungeness ...	30.11	46	NNE	4	6	30.05	- 12	42	40	+ 3	NNE	3	C	3	52	39	0.15
	London ...	30.17	48	N	1	C	30.14	- 09	33	32	- 1	Z	0	6m	*	51	30	-
	Oxford ...	30.19	46	NNW	1	0	30.16	- 08	38	36	- 3	WSW	1	6m	*	53	30	-
	Cambridge ...	30.17	45	NW	1	0	30.15	- 07	43	41	+ 9	NW	1	C	*	55	32	-
PENIN-SULA.	Yarmouth ...	30.16	48	NNE	3	6LV	30.12	- 04	50	47	+ 8	ENE	3	6	3	50	41	0.02
	Cuxhaven ...	30.17	43	N	2	6	? 30.03	- 08	45	44	+ 5	NE	4	C	*	47	?	-
	Berlin ...	30.05	48	NE	3	0	29.88	- 19	46	44	+ 4	NNE	5	7	*	54	?	0.04
	Wiesbaden ...	*	*	*	*	*	29.84	- 23	42	40	+ 3	N	2	7	*	48	?	0.04
	Munich ...	29.91	34	Z	0	C	29.74	- 23	33	33	0	NW	2	S	*	37	32	0.51
	The Helder ...	*	*	*	*	*	30.13	+ 04	46	43	0	ENE	1	60	1	48	43	0.04
	Brussels ...	*	*	*	*	*	30.05	- 07	38	37	- 1	NNE	3	0	*	51	37	-
	Cape Gris Nez...	30.10	48	NE	7	7	30.04	- 10	40	37	- 5	ESE	4	60	2	54	37	0.08
	Paris ...	30.08	42	NNW	3	C	30.01	- 15	36	36	+ 6	N	3	0	*	53	?	-
	Brest ...	30.21	52	N	1	0	30.12	- 16	49	48	- 2	E	3	0	2	57	39	0.08
GERMANY.	Lorient ...	30.17	52	N	1	0	30.06	- 17	49	46	+ 3	NNE	4	0	2	54	46	-
	Rochefort ...	30.17	51	NNE	5	60	30.06	- 15	44	41	- 3	N	5	6	2	59	39	-
	Belfort ...	29.95	43	E	3	0	29.84	- 14	40	39	+ 2	E	1	0	*	46	36	0.04
	Lyons ...	29.94	41	N	7	0	29.89	- 09	38	36	- 1	NNW	5	7	*	51	37	-
	Nice ...	29.57	48	NE	3	C	29.63	- 10	45	42	+ 1	NE	3	60	2	59	41	0.04
	Perpignan ...	29.92	50	W	7	6	29.92	- 05	46	41	+ 1	NW	7	6	*	54	45	-
	Biarritz ...	30.10	53	ENE	5	0	30.00	- 14	48	43	- 10	S	4	C	2	64	46	0.24
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	30.11	58	NNW	7	6	30.00	- 24	54	49	- 1	N	3	6	?	66	52	-

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on Tuesday, 9th October

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

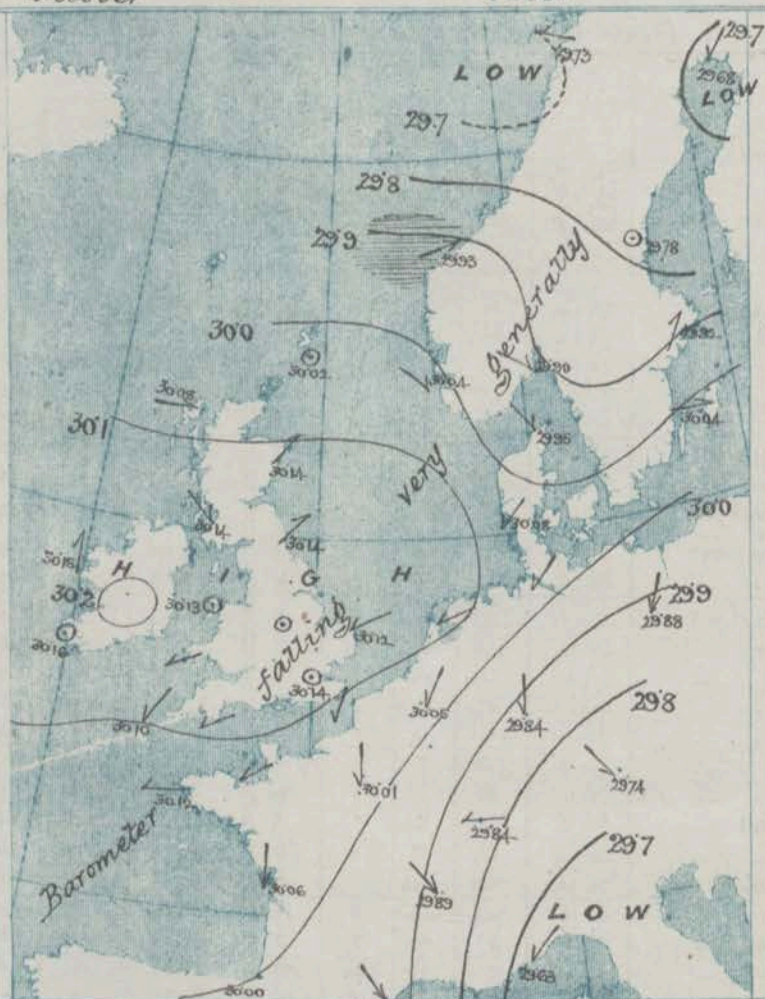
Sea Disturbance — where considerable, is shown thus.

■ — Rough; ■ — High.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS
Sumburgh Head	29.708
Stornoway	29.785
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.813
Donaghadee	29.832
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roche's Point	29.870
Pembroke	29.868
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.886



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 1/16 in. or more are quoted in figures.

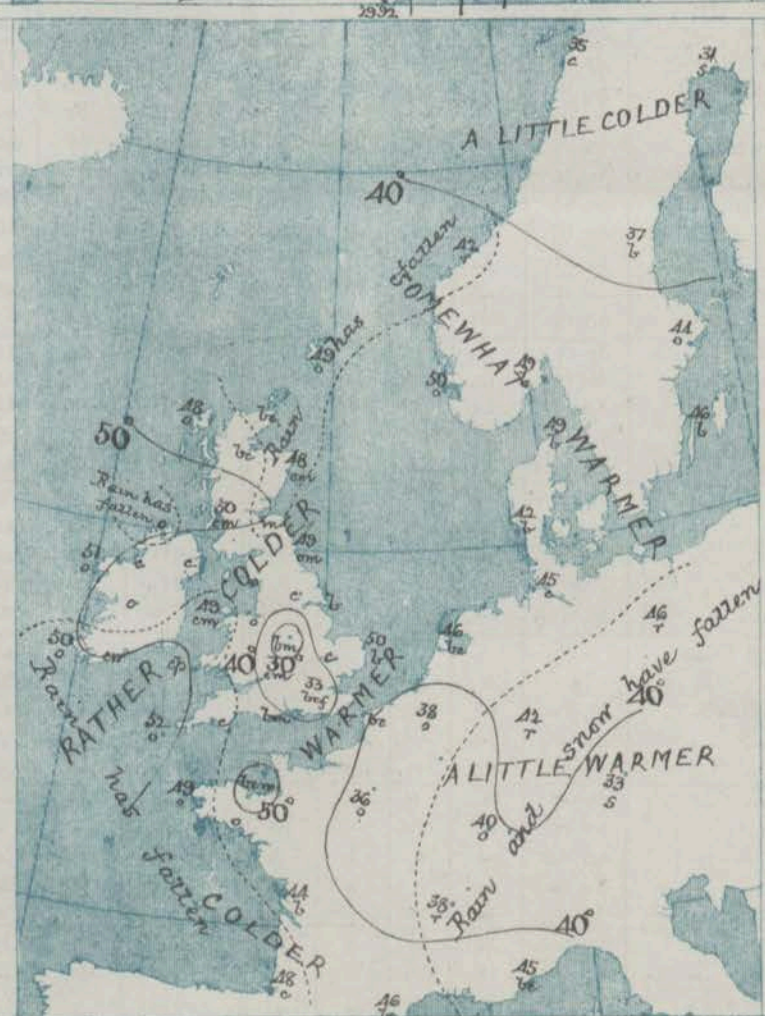
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of October.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min	Dry	Wet	
Sumburgh Head	49.7	41.6	46.0	44.3	4.83
Stornoway	50.5	39.5	45.3	44.1	4.94
Wick	51.8	40.1	46.1	44.3	2.94
Nairn	51.6	40.6	44.5	42.5	2.38
Aberdeen	52.3	41.0	45.5	43.5	2.88
Leith	54.7	41.5	46.5	44.7	1.94
Shields	53.0	42.8	47.1	45.4	2.46
York	54.8	41.0	45.9	44.5	2.64
Loughborough	55.3	41.4	46.4	45.0	2.98
Ardrossan	53.5	43.6	47.6	45.6	4.31
Donaghadee	53.2	43.3	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.6	44.6	47.8	45.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.3	49.1	6.09
Roche's Point	55.8	45.9	50.2	48.4	4.17
Pembroke	54.8	48.0	51.2	49.1	4.13
Scilly	56.6	50.3	53.8	51.7	3.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.25
LONDON	56.6	43.2	48.0	46.4	2.74
Oxford	55.3	42.5	46.7	45.3	2.72
Cambridge	56.4	41.2	46.4	45.4	2.36
Yarmouth	54.3	44.8	49.2	47.9	2.97

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and upwards, in a large anticyclone ^{lying} over our Islands.
Lowest, 29.7 in. and less, in two small depressions lying respectively off the northwest of Norway and over the north of Sweden, and also in a larger disturbance ^{lying} over Switzerland and N. Italy.
Gradient moderate over Germany and the east of France, but slight elsewhere. Barometer falling generally—most at the German stations.

TEMPERATURE

Highest, 54° at Lisbon, 52° at Seilly, 51° at Palermo and Jerez, and 50° at Laith, Ardrossan, Malin Head, Valencia, Rochefort and Lombothe.
Lowest, 29° at Loughborough, 31° at Haparanda, 33° in London and at Munich, 35° at Rostock, 36° at Paris, and 37° at Helsingfors.
Sharp frost was again experienced last night over the inland parts of England.

WIND

Light from the W. in the north of Scotland and the south of Scandinavia; strong to a gale from W.S.W. at Christiansund.
Light or moderate from N.E. over North Germany, the Netherlands, and the south of our Islands.
Fresh from the N. at several of the French stations.

WEATHER

Fair over the greater part of our Islands, as well as in Denmark and the southern parts of Sweden and France.
Raining in Germany and the east of France. Snow was falling at Haparanda and also at Munich.

SEA

Slight or smooth generally, but rather rough at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over Switzerland appears to be increasing both in size and intensity, and is inclined to spread out in a northerly and northwesterly direction. Freshening N.E. winds are, therefore, probable over the southeast of England, with rain in some localities, but in the northern parts of our Islands no important change in the weather is likely at present.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	W. winds, light or moderate, cloudy, rain locally.
1	SCOTLAND EAST	Light breezes, chiefly W.; fair generally.
2	ENGLAND N.E.	Variable or N.E. airs; fair generally, but some fog or mist.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	N.E. winds freshening; fair at first, unsettled later, possibly some rain.
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No 1.
7	ENGLAND N.W.	Same as No 2.
8	ENGLAND S.W.	N.E. winds, light to fresh, fair generally, but slight rain locally.
9	IRELAND NORTH	Same as No 1.
10	IRELAND SOUTH	Same as Nos 3 to 5.
WARNINGS		NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	30.03	48	46	Sw 6	r	4	Holyhead ...	30.21	54	51	N 3	bc	2
Sumburgh Head ...	29.95	49	49	W 3	o	3	Valencia ...	30.29	56	53	NW 2	o	2
Stornoway ...	30.11	56	53	W 3	c	3	Scilly ...	30.21	54	49	N 4	o	4
Aberdeen ...	30.13	55	51	WNW 2	c	2	Jersey ...	30.20	52	47	NNE 1	o	1
Shields ...	30.15	53	49	W 1	o	3	Dungeness ...	30.13	51	44	NNE 4	c	3
Ardrossan ...	30.17	56	54	WNW 1	o	1	London ...	30.18	50	44	N 2	bc	*
Malin Head ...	30.23	63	51	NW 2	o	2	Yarmouth ...	30.17	50	45	NNE 3	bcv	4
Mullaghmore ...	30.25	45	52	NW 2	o	2	Rocheport ...	30.20	54	49	N 7	o	2
Belmullet ...	30.28	56	51	NW 2	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. and upwards, in an anticyclone, lying to the westward and southward of the British Isles, but high, 30.1 ins. and upwards, over Central Russia. The lowest readings, 29.6 ins. and less, were reported in a depression which was passing eastwards across Lapland, but a long band of low pressure 29.9 ins. and less, extended eastwards, from the southeast of France and the Balearic Islands to the Black Sea. The wind was NW² over the greater part of Scandinavia and the north of our Islands, and SW² over the Baltic and Northern Russia. Over Ireland, England, France, and the greater part of Germany and Austria it was NW² or N², in Italy SW², and in South Austria S². Rain was falling at some of the German and Austrian stations, and showers in the west and north of our Islands, but elsewhere the weather was mostly fair. Temperature had risen somewhat over the greater part of our Islands as well as on the eastern shores of the North Sea, but fallen elsewhere; readings ranged from 65° and ^{upwards at} several of the Spanish, Italian, and Algerian stations to 40° or less over Northern Europe and the central parts of England, France and Germany. The highest individual readings were 72° at Rhindini, 71° at Sfax, 69° at Legna, 68° at Ouan, 64° at Palermo, and 63° at Hermannstadt, the lowest were 30° at Paris, 33° at Munich, 34° at Cambridge and in London, 35° at Hamburg, Munster, and Charleville, and 36° at Kuopio, Habaranda, Carrel, and Loughborough.

In the course of the day very little change occurred either in pressure, winds, or weather. Showers fell in many parts of the United Kingdom, but in the southeast of England conditions remained generally fair.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Wednesday 10th OCTOBER 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R.H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.86	29	NW	2	b	30.09	+ .44	24	23	— .7	N	2	b	*	36	?	0.20	
	Hernösand ...	30.06	35	Z	0	b	30.12	+ .34	35	33	— .2	N	2	o	*	32	32	—	
	Stockholm ...	30.00	45	Z	0	b	29.88	— .04	42	40	— .2	NNE	4	o	*	34	36	—	
	Wisby ...	29.99	44	W	4	o	29.76	— .28	44	43	— .2	ENE	4	r	*	30	39	0.35	
	Bodö ...	30.07	34	Z	0	b	30.06	+ .33	31	28	— .4	ENE	4	bv	2	37	28	—	
	Christiansund...	30.07	42	ESE	2	c	29.99	+ .06	39	37	— .3	ESE	1	c	2	43	37	0.16	
	Skudesnaes ...	30.04	46	NNW	2	b	29.94	— .10	44	41	— .6	NNW	4	o	3	52	44	—	
	Christiania Fjord (Fjorder)	29.96	?	NNW	5	b	29.95	+ .05	41	37	— .8	NNE	5	o	2	54	?	—	
	Skagen (The Scaw)	29.91	48	Z	0	b	29.84	— .11	47	46	— .2	NE	3	o	3	52	45	—	
	Fanö ...	29.86	45	N	1	o	29.78	— .30	46	45	+ .4	N	4	o	*	54	41	—	
BRITISH ISLANDS.	Sumburgh Head	30.05	46	Z	0	r	30.01	— .01	43	43	— .6	NE	2	o	3	51	41	0.51	
	Sornoway ...	30.09	51	W	2	o	30.08	— .00	46	45	— .2	Z	0	o	2	56	42	—	
	Wick ...	30.09	49	NN	1	o	30.01	— .08	47	46	— .2	NW	4	cp	2	55	43	0.03	
	Nairn ...	30.10	52	Z	0	o	30.06	— .04	47	45	+ .1	SW	1	bv	1	58	46	0.01	
	Aberdeen...	30.12	50	S	1	c	30.06	— .08	46	44	— .2	W	1	cu	1	54	41	—	
	Leith ...	30.11	51	E	1	o	30.07	— .04	48	47	— .2	NNW	1	cu	*	53	46	—	
	Shields ...	30.09	52	Z	0	of	30.05	— .09	51	49	+ .2	NNW	2	c	2	54	47	—	
	Spurn Head ...	30.11	51	N	1	b	29.97	— .17	48	47	+ .3	NW	3	o	3	50	44	—	
	York ...	30.12	49	E	1	c	30.06	— .10	46	46	+ .2	N	1	o	*	55	40	0.02	
	Loughborough	30.12	48	Z	0	o	30.08	— .10	40	39	+ .11	Z	0	bv	*	58	29	—	
GERMANY.	Ardrossan ...	30.13	52	SW	2	c	30.09	— .05	49	48	— .1	NW	1	cu	1	57	46	—	
	Malin Head ...	30.14	51	NNW	2	o	30.13	— .01	50	48	— .0	NNW	2	c	2	53	48	0.01	
	Mullaghmore ...	30.16	52	NE	1	c	30.14	— .01	48	48	— .0	SW	1	c	1	58	47	0.06	
	Belmullet ...	30.16	51	WGN	1	o	30.15	— .00	51	50	— .0	NNW	2	o	*	56	47	—	
	Donaghadee ...	30.15	52	NE	1	ov	30.11	— .05	48	47	— .0	W	2	b	1	55	45	0.01	
	Barrow-in-Furness	30.11	52	NN	3	o	30.09	— .05	47	46	— .0	NE	2	o	*	53	46	—	
	Liverpool (Bidston)	30.13	50	W	1	o	30.10	— .06	50	48	+ .4	NNW	1	o	2	54	46	—	
	Holyhead ...	30.13	52	N	1	o	30.10	— .03	51	49	+ .2	NNW	1	c	1	54	49	—	
	Parsonstown ...	30.10	51	Z	0	o	30.20	— .01	48	47	+ .3	Z	0	o	*	56	44	0.01	
	Valencia ...	30.17	53	NNW	2	o	30.18	+ .02	54	53	+ .4	NNW	2	c	3	57	44	0.09	
FRANCE & NETHERLANDS.	Roche's Point...	30.16	52	E	1	c	30.16	+ .02	51	49	+ .1	W	3	o	3	56	48	—	
	Pembroke ...	30.12	51	SE	1	o	30.13	+ .02	50	49	— .0	NE	1	bv	1	54	47	—	
	Scilly ...	30.09	50	Z	0	c	30.15	+ .05	52	50	— .0	Z	0	cu	1	53	49	0.16	
	Prawle Point ...	30.13	45	NE	2	bv	30.15	+ .03	44	42	— .4	NNW	2	bv	1	55	38	—	
	Jersey ...	30.08	51	N	3	b	30.13	+ .05	48	44	— .3	NNW	2	bv	2	55	42	—	
	Hurst Castle ...	30.10	49	NNE	2	bv	30.11	— .02	43	42	— .0	N	3	cu	1	53	38	—	
	Dungeness ...	30.02	49	NNE	3	cu	30.02	— .03	45	43	+ .3	N	4	c	3	53	41	—	
	London ...	30.10	49	NNE	2	c	30.07	— .07	45	41	+ .9	W	1	o	*	56	32	—	
	Oxford ...	30.13	38	NNW	1	b	30.10	— .06	41	40	+ .3	NW	1	cu	*	55	37	—	
	Cambridge ...	30.10	42	N	1	o	30.05	— .10	47	44	+ .4	NW	1	c	*	57	38	—	
PENINSULA.	Yarmouth ...	30.06	48	N	2	c	29.99	— .13	51	50	+ .1	NNW	3	c	4	52	46	0.01	
	Cuxhaven ...	29.94	44	NNE	5	o	29.48	— .25	46	46	+ .1	NNE	5	r	*	58	43	0.18	
	Berlin ...	29.64	47	ESE	3	r	29.48	— .15	42	41	— .4	S	2	o	*	48	41	1.18	
	Wiesbaden ...	*	*	*	*	*	29.50	— .04	42	41	— .0	NW	1	o	*	46	37	0.98	
	Munich ...	29.80	35	W	4	b	29.89	+ .15	39	37	+ .6	W	5	r	*	39	32	0.08	
	The Helder ...	29.93	50	NNE	4	r	29.85	— .28	50	49	+ .4	N	4	o	3	52	45	0.08	
	Brussels ...	*	*	*	*	*	29.89	— .16	49	48	+ .11	NW	4	r	*	40	2	0.35	
	Cape Gris Nez...	30.04	50	NE	4	c	29.99	— .05	50	49	+ .10	NNE	8	o	6	54	39	—	
	Paris ...	30.03	42	NNE	3	r	29.99	— .02	46	44	+ .10	NW	4	o	*	49	34	0.20	
	Brest ...	30.13	50	E	3	b	29.19	+ .07	45	43	— .4	Z	0	b	0	52	41	—	

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts.

WEATHER

CHARTS

for 8 a.m. on **WEDNESDAY, 10TH OCTOBER**

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

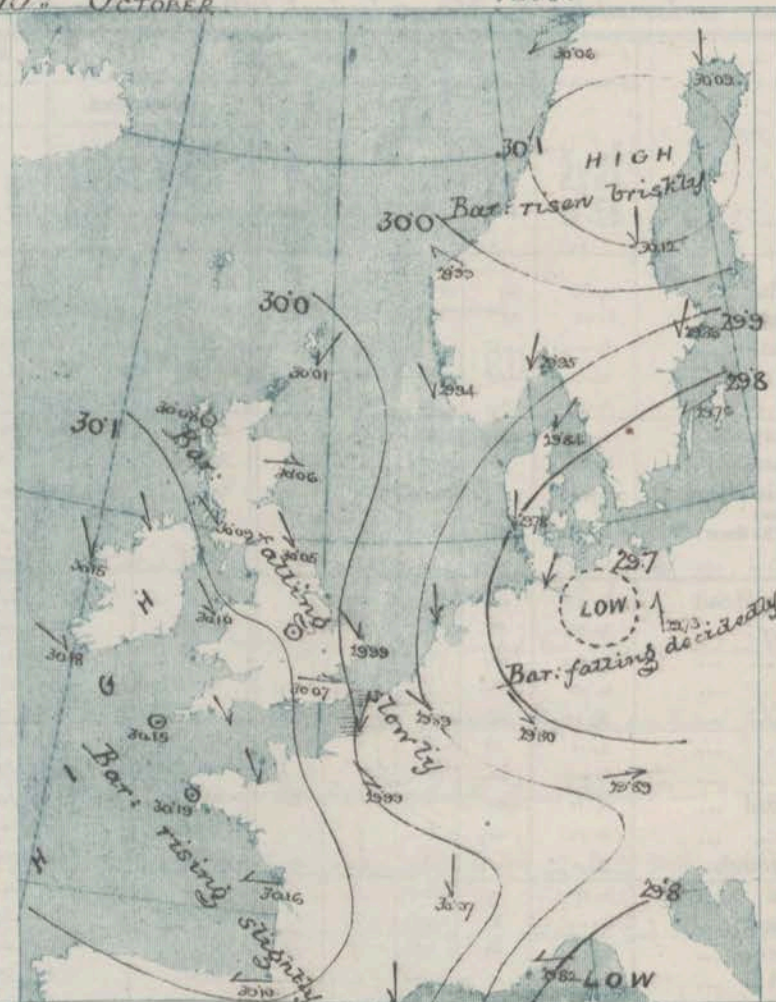
→ = forces above 10. → = forces 8 to 10.
 → = forces 5 to 7. → = forces 1 to 4.
 ○ = dead calm.

Sea Disturbance — where considerable, is shown thus.

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.708
Stornoway	29.735
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.813
Donaghadee	29.832
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roche's Point	29.870
Pembroke	29.868
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.886



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.

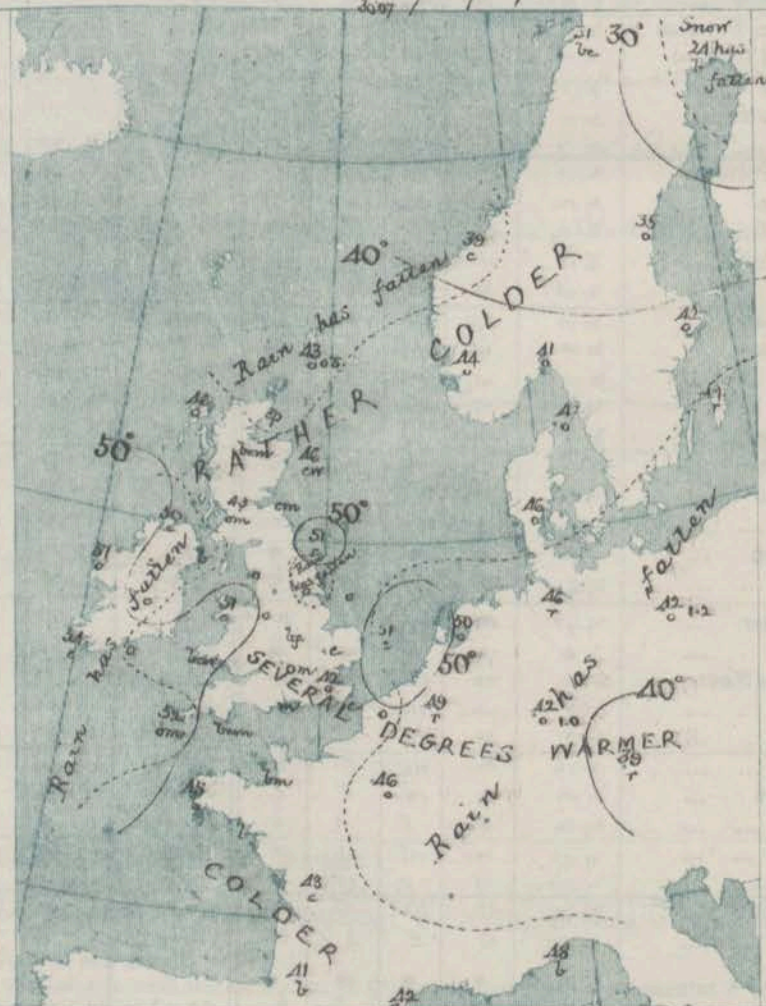
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
 for the month of October

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily max	Daily Min	at 8 a.m.		
			Dry	Wet.	
Sumburgh Head	49.7	41.6	46.0	44.3	4.33
Stornoway	50.5	39.5	45.3	44.1	4.94
Wick	51.6	40.1	46.1	44.3	2.94
Nairn	51.6	40.6	44.5	42.5	2.38
Aberdeen	52.3	41.0	45.5	43.5	2.88
Leith	51.7	41.5	46.5	44.7	1.94
Shields	52.0	42.8	47.1	45.4	2.46
York	54.8	41.0	45.9	44.5	2.64
Loughborough	55.3	41.4	48.4	45.0	2.98
Ardrossan	53.5	43.6	47.6	45.6	4.31
Donaghadee	53.2	43.3	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.6	44.6	47.8	45.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.3	49.1	6.09
Roche's Point	55.8	45.9	50.2	48.4	4.17
Pembroke	54.8	48.0	51.2	49.1	4.13
Scilly	56.6	50.3	53.8	51.7	3.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.28
LONDON	55.8	43.2	48.0	46.4	2.74
Oxford	55.3	42.5	46.7	45.3	2.72
Cambridge	56.4	41.2	46.4	45.4	2.86
Yarmouth	54.3	44.8	49.2	47.9	2.97

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.1 ins. and upwards, over Finland, the southwest of England, the west of France, ^{and} the Bay of Biscay, as well as in the north of Scandinavia. Lowest 29.8 ins. and less, over north Germany and the southern parts of Denmark and the Baltic. Gradients slight generally. Barometer falling in Denmark, the south of Scandinavia and the North of our Islands, but rising elsewhere.
TEMPERATURE	Highest 54° at Valencia and Lisbon, 52° at Seilly, 51° at Shields, Holyhead and Roches Point, and 50° at Melin N ^o . Liverpool and Pembroke. Lowest 26° at Haparanda, 31° at Bodø, 35° at Hermsund, 39° at Christiansund and Munich, and 45° at Loughborough. A considerable rise has taken place over central England.
WIND	Light NW ^{ly} over our Islands, the Netherlands and the north of France. Moderate N ^{ly} in Sweden and Denmark, E ^{ly} in the west and south of France.
WEATHER	Cloudy or overcast generally with rain at Wisby, Lulea, and Munich, and passing showers at Ulick. Fine in the west and south of France, and also in the north of Scandinavia. Showers fell yesterday in some parts of the United Kingdom, and heavy rain, fell at some of the German stations.
SEA	Slight or smooth generally, but rough at Cape Gris Nez.


PROBABLE CHANGES IN SYSTEM NOW PREVALENT


The low pressure system over Germany and Denmark seems likely to extend slowly westwards, and showers are probable at several of our eastern stations.

FORECASTS

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

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

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wva.	Sea.		Bar.	Dry.	Wet.	Wind.	Wva.	Sea.
Skudesnes ...	30.06	51	49	NW 2	c	3	Holyhead ...	30.13	53	50	NNE 1	ov	1
Sumburgh Head ...	30.06	48	48	L 0	m	1	Valencia ...	30.16	55	52	N 2	ov	2
Stornoway ...	30.08	56	52	W 2	c	3	Scilly ...	30.10	52	50	W 1	cp	3
Aberdeen ...	30.12	53	50	S 1	c	1	Jersey ...	30.08	54	49	NE 4	c	3
Shields ...	30.11	53	49	ESE 1	c	3	Dungeness ...	30.03	53	47	NE 4	c	4
Ardrossan ...	30.13	55	51	SSW 2	bc	0	London ...	30.07	53	47	NE 3	c	*
Malin Head ...	30.15	53	51	NNW 1	b	1	Yarmouth ...	30.06	52	48	N 4	b	4
Mullaghmore ...	30.15	54	50	NE 1	c	1	Rocheport ...	30.06	54	49	NNE 5	bc	2
Belmullet ...	30.16	54	50	SW 2	bc	*							

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

The reports for yesterday morning showed that pressure varied from between 30.1 ins. and 30.2 ins. over nearly the whole of the British Islands, to about 29.5 ins. in a depression lying between Corsica and Italy, and to rather below 29.7 ins. in another low pressure area lying over Lapland. The wind was consequently W.^{ly} (SW to NW) over northern Europe, N.^{ly} over Germany and France and NE.^{ly} over the greater part of England. Temperature was low generally, and varied from between 65° and 70° over the southern parts of the Mediterranean to less than 40° over central France, and to about 30° over some parts of central England and Scandinavia. The highest individual values were 68° at Sfax, Malta, Brindisi and Hermannstadt, 64° at Palermo and Cagliari, 65° at Lesina, 59° at Buda Pesth and Odessa, 53° at Langunaire, and 52° at Sully; the lowest were 29° at Loughborough, 31° at Haparanda, 33° in London, 35° at Bodo, and 38° at Oxford, Brussels and Lyons. Little change occurred later, beyond the ordinary diurnal change of temperature for fine weather in October.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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for Thursday, 11th October, 1888.
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		+ 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 3.)	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 ..	30.05	31	NE	2	bc	29.67	- 12	29	28	+ 5	NE	4	0	*	34	19	.	
	Hernösand ...	30.01	36	NE	6	o	29.82	- 30	34	32	- 1	N	4	0	*	41	25	.	
	Stockholm ...	29.72	39	NNE	2	o	29.71	- 17	36	35	- 6	NNE	2	0	*	52	36	0.32	
	Wisby ...	29.66	46	ESE	4	o	29.73	- 03	44	42	0	N	4	1	*	50	36	0.16	
	Bodö ...	30.01	31	E-NE	1	b	29.81	- 22	37	34	- 4	ESE	4	6	2	27	27	.	
	Christiansund...	29.93	36	Z	0	b	29.79	- 20	37	35	- 2	ESE	2	60	2	43	32	.	
	Skudesnaes ...	29.90	42	NNE	2	bc	29.89	- 05	41	39	- 3	NNE	2	0	2	45	?	.	
	Christiania Fjord (Fjorder)	29.87	44	NNE	4	o	29.86	- 09	40	37	- 1	NNE	3	0	1	45	39	.	
	Skagen (The Scaw)	29.82	44	NE	1	c	29.84	00	42	41	- 5	ESE	1	0	1	48	41	.	
	Fanö ...	29.86	41	N	2	b	29.87	+ 09	43	43	- 3	Z	0	0	*	52	39	0.16	
BRITISH ISLANDS.	Sumburgh Head	30.05	40	NNE	1	o	29.82	- 19	44	43	+ 1	W	2	1	3	46	37	0.05	
	Stornoway ...	30.14	42	N	3	c	29.95	- 13	46	45	0	W	4	0	4	49	39	0.10	
	Wick ...	30.07	45	NW	3	o	29.89	- 12	44	43	- 3	S	3	2	2	48	37	0.07	
	Nairn ...	30.08	42	SW	2	c	30.02	- 04	42	41	- 5	Z	0	1	1	51	40	0.04	
	Aberdeen...	30.08	45	NW	2	c	30.04	- 02	42	41	- 4	W	1	0	1	55	40	0.01	
	Leith ...	30.06	52	W	1	c	30.05	- 02	46	45	- 2	W	2	0	*	60	43	0.06	
	Shields ...	30.05	50	Z	0	o	30.07	+ 02	47	45	- 4	SW	2	0	2	54	43	0.03	
	Spurn Head ...	30.04	50	NNE	3	o	30.05	+ 08	47	46	- 1	NNE	2	60	3	53	46	.	
	York ...	30.07	50	NW	1	o	30.09	+ 03	43	43	- 3	W	1	0	*	54	39	.	
	Loughborough	30.08	48	W	1	o	30.13	+ 05	40	40	0	WNW	1	0	*	57	37	.	
GERMANY.	Ardrossan ...	30.09	51	NNE	1	b	30.10	+ 01	46	44	- 3	NW	3	0	2	56	43	.	
	Malin Head ...	30.12	50	N	3	c	30.14	+ 01	48	46	- 2	NW	3	0	2	53	46	.	
	Mullaghmore ...	30.14	52	NNE	3	bc	30.17	+ 03	48	47	0	WNW	1	0	1	58	46	.	
	Belmullet ...	30.19	49	N	3	o	30.21	+ 06	46	45	- 5	NW	2	0	*	52	43	0.06	
	Donaghadee ...	30.12	52	N	3	bc	30.16	+ 05	47	45	- 1	W	3	0	1	56	45	.	
	Barrow-in-Furness	30.09	51	NW	2	o	30.10	+ 01	47	46	0	NNE	2	0	*	53	45	.	
	Liverpool (Widston)	30.11	49	W	1	o	30.13	+ 03	49	47	- 1	W	1	0	2	53	46	0.02	
	Holyhead ...	30.10	52	NNE	2	o/p	30.14	+ 04	51	49	0	NNE	1	0	1	55	50	0.07	
	Parsonstown ...	30.15	52	Z	0	o	30.21	+ 01	42	41	- 6	Z	0	0	*	56	41	0.05	
	Valencia ...	30.18	52	NNE	3	c	30.22	+ 04	48	45	- 6	Z	0	0	1	58	40	0.02	
FRANCE & NETHERLANDS.	Roche's Point...	30.14	55	N	3	c	30.20	+ 04	46	45	- 5	N	3	0	3	57	45	.	
	Pembroke ...	30.12	52	WNW	2	c	30.17	+ 04	48	47	- 2	NE	1	0	0	56	48	.	
	Scilly ...	30.15	54	WNW	2	o	30.15	00	54	53	+ 2	NW	1	0	2	57	50	0.03	
	Prawle Point ...	30.14	49	NNE	2	bc	30.17	+ 02	49	49	+ 5	NNE	1	0	1	59	43	0.06	
	Jersey ...	30.14	52	WNW	2	bc	30.18	+ 05	46	44	- 2	NW	3	0	3	57	41	.	
	Hurst Castle ...	30.10	53	NNE	1	m	30.16	+ 05	47	46	+ 4	NW	2	0	0	58	43	.	
	Dungeness ...	30.05	53	N	2	m	30.10	+ 08	44	43	- 1	N	1	0	1	57	42	.	
	London ...	30.09	48	NW	1	m	30.13	+ 06	45	44	+ 3	Z	0	0	*	59	42	.	
	Oxford ...	30.12	47	NW	1	o	30.14	+ 04	46	45	+ 5	WSW	1	0	*	56	41	.	
	Cambridge ...	30.07	50	Z	0	o	30.07	+ 02	46	45	- 1	Z	0	0	*	55	44	.	
PENINSULA.	Yarmouth ...	30.02	51	NW	2	bc	30.07	+ 08	47	46	- 4	WNW	2	0	2	53	41	0.01	
	Cuxhaven ...	29.92	43	NNE	5	o	29.94	+ 16	48	48	+ 2	SW	2	0	*	50	40	0.22	
	Berlin ...	29.75	42	SW	4	r	29.91	+ 18	48	44	+ 3	WNW	3	0	*	48	41	0.28	
	Wiesbaden ...	*	*	*	*	*	30.10	+ 30	48	46	+ 6	N	2	0	*	48	?	.	
	Munich ...	30.01	40	W	2	r	30.16	+ 27	42	41	+ 3	SW	4	0	*	45	39	0.04	
	The Helder ...	29.98	51	NW	3	o	30.02	+ 17	50	48	0	NW	3	0	3	52	48	0.16	
	Brussels ...	*	*	*	*	*	30.13	+ 24	46	45	- 3	WSW	3	0	*	53	45	0.16	
	Cape Gris Nez...	30.07	53	NE	5	m	30.09	+ 10	51	50	+ 1	WSW	1	0	1	54	50	.	
	Paris ...	30.12	51	NW	3	o	30.19	+ 20	44	?	- 2	SSW	1	0	*	55	44	.	
	Brest ...	30.20	50	NNE	1	b	30.24	+ 05	51	47	+ 6	?	?	0	0	59	39	0.04	

WEATHER CHARTS

for 8 a.m. on

Thursday, 11th October.

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

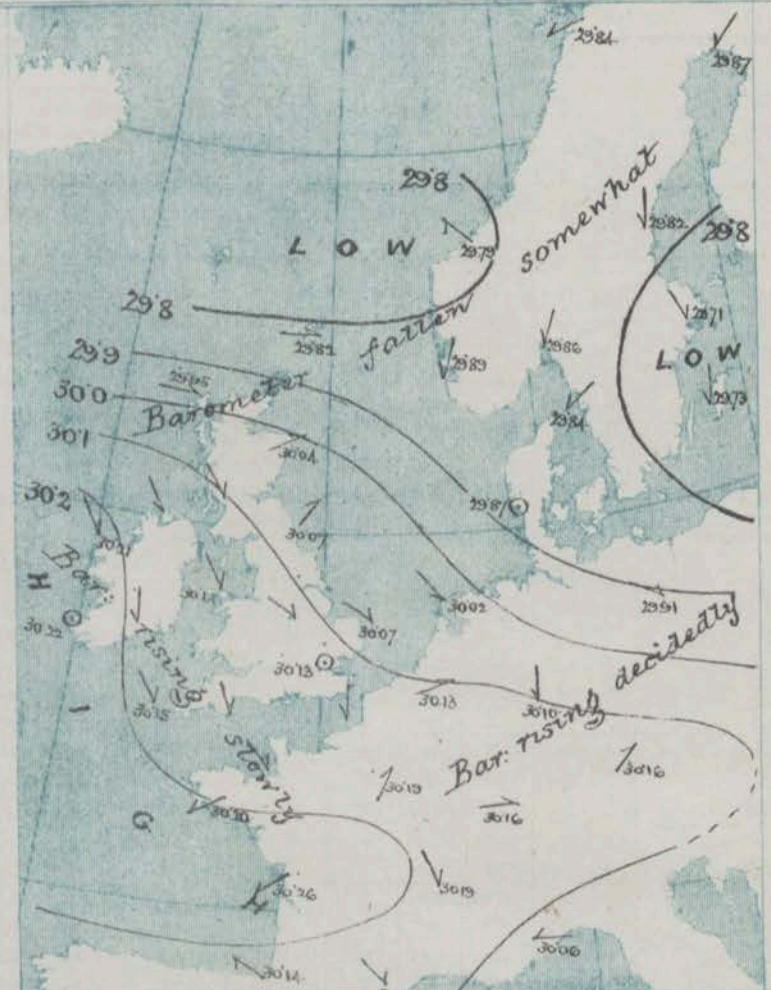
Sea Disturbance — where considerable is shown thus.

— = Rough — = High

MEAN HEIGHT of the BAROMETER

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

STATIONS	MEAN READINGS.
Sumburgh Head	29.708
Stornoway	29.735
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.813
Donaghadee	29.832
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roche's Point	29.870
Pembroke	29.868
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.886



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 October.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 p.m.	
Sumburgh Head	49.7	41.6	46.0	44.3	4.83
Stornoway	50.5	39.5	45.3	44.1	4.04
Wick	51.6	40.1	46.1	44.3	2.94
Nairn	51.5	40.6	44.5	42.5	2.38
Aberdeen	52.3	41.0	45.5	43.5	2.88
Leith	54.7	41.5	46.5	44.7	1.94
Shields	53.0	42.8	47.1	45.4	2.46
York	54.8	41.0	45.9	44.5	2.04
Loughborough	55.3	41.4	46.4	45.0	2.98
Ardrossan	53.5	43.6	47.6	45.6	4.31
Donaghadee	53.2	43.3	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.6	44.6	47.8	45.8	3.02
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.3	49.1	6.00
Roche's Point	55.8	45.9	50.2	48.4	4.17
Pembroke	54.8	48.0	51.2	49.1	4.13
Scilly	56.6	50.3	53.8	51.7	3.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.28
LONDON	56.6	43.2	48.0	46.4	2.74
Oxford	55.3	42.5	46.7	45.3	2.72
Cambridge	56.4	41.2	46.4	45.4	2.36
Yarmouth	54.3	44.8	49.2	47.9	2.97

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.2 ins. and more, over the west of Ireland, the west of France, and the Bay of Biscay.</p> <p>Lowest, 29.8 ins. and less, over the Baltic and off the coast of Norway; 30.0 ins. and less, over the southern half of Spain.</p> <p>Gradient moderate in the north, slight elsewhere.</p> <p>Barometer falling in north, rising slightly in the southwest, and bristly over France and Germany.</p>
TEMPERATURE	<p>Highest, 57° at Lodon, 54° at Bally, 51° at Brest and C. Fin. Neg., and 50° at the Hebrides.</p> <p>Lowest, 27° at Bodo, 29° at Haparanda, 36° at Stockholm, and 42° at Aberdeen.</p> <p>It has risen since yesterday over the south of England, the Channel, and Germany.</p>
WIND	<p>Light to moderate from the E. in the northwest of Norway and from the W. in the north of Scotland.</p> <p>Very light NW in England and the north of Ireland.</p> <p>Light E. over the Bay of Biscay — SW or W over Germany.</p>
WEATHER	<p>Foggy in Ireland, fair as a whole, but misty over England.</p> <p>Dull and rainy in several parts of Scotland and also in France and Germany — Clear and bright in Spain.</p> <p>Some rain has fallen generally in the west and north.</p>
SEA	<p>Moderate at Lodon, slight or smooth elsewhere.</p>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The present distribution of pressure and the changes in progress appear to indicate weather of a less settled character than that recently experienced; damp fogs or mists appear likely in many places.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW ² winds, freshening, cold showers.	6 SCOTLAND WEST	NW ² winds, dull, unsettled, misty.
1 SCOTLAND EAST		7 ENGLAND N. W.	
2 ENGLAND N. E.	NW ² breezes, light to moderate; dull, some rain.	8 ENGLAND S. W.	
3 ENGLAND EAST		9 IRELAND NORTH	Varying N ² airs; dull, foggy.
4 MIDLAND COUNTIES	NW ² airs and light breezes; dull, damp, some rain locally.	10 IRELAND SOUTH	
5 ENGLAND SOUTH			
		WARNINGS	NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.90	45	43	N.W. 2	r	3	Holyhead ...	30.11	53	50	N 3	b.c.p	2
Sumburgh Head ...	30.08	44	41	N.E. 2	b.c.	3	Valencia ...	30.17	56	53	N 2	c.v	2
Stornoway ...	30.13	48	45	N 4	b.c.	4	Scilly ...	30.16	56	51	W.N.W. 1	c	1
Aberdeen ...	30.04	51	49	N.W. 4	b.c.g	3	Jersey ...	30.15	56	49	W.N.W. 3	b	3
Shields ...	30.05	54	49	N 2	r	2	Dungeness ...	30.03	57	51	N 3	c	2*
Ardrossan ...	30.07	56	52	W.N.W. 2	b.c.	1	London ...	30.06	58	49	N.W. 2	b.c.m	
Malin Head ...							Yarmouth ...	30.01	53	50	N.W. 3	b.c.	4
Mullaghmore ...	30.13	55	51	N.W. 1	b.c.v	1	Rocheport ...	30.20	58	52	N.W. 3	b	2
Belmullet ...	30.16	52	49	N.W. 2	o	*							

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

The reports for yesterday morning showed that large areas of high pressure, 30.1 ins. and upwards, were lying respectively over Central Russia and to the southward of our Islands, while a small depression with readings below 29.75 ins. existed in the neighbourhood of Hamburg. To the southward of the Iberian Peninsula there was another depression with reading below 29.9 ins. The wind was NE or E in Spain and the west of France and NW in most other parts of Western Europe. Over the most central countries, however, it was chiefly S, while in the extreme north it was somewhat variable. The weather was fine in Spain, the west and south of France, and the north of Scandinavia, but cloudy elsewhere, with rain over the Baltic, Germany, the east of France, and some parts of Austria. Temperature had risen somewhat in the southeast of England and the northern and extreme southern parts of France, but fallen in most other localities; readings ranged from 65° and upwards over Algeria and South Italy to a few degrees below the freezing point in Lapland and Finland. The highest individual readings were 68° at Sfax and Biskra, 67° at Palermo, 65° at Legna and Algiers, 64° at Cagliari, and 63° at Oran and La Jalla; the lowest were 24° at Kaparanda, 26° at Illeraborg, 31° at Rode, 33° at Kiofio, 35° at Himmisand, 38° at Skienfot, and 39° at Archangel, Christianund and Munich.

In the course of the day the depression over North Germany moved northwards, but no important change was observed in pressure or wind over our Islands. The maximum readings of the thermometer over England were, however, somewhat higher than of late.

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, 12th October

1888.

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

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 2.)		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 ..	29.54	31	NE	2	S	29.38	-.16	25	29	0	2	0	0	*		34	27	0.20
	Hernösand ...	29.67	38	E	0	b	29.32	-.50	38	37	+ .4	3	7	7	*		31	28	-
	Stockholm ...	29.75	35	E	0	b	29.49	-.22	37	36	+ .1	4	2	7	*		39	34	0.04
	Wisby ...	29.80	40	N	2	0	29.62	-.18	42	40	- .2	2	2	7	*		50	39	-
	Bodö ...	29.52	28	NNE	6	b	29.02	-.50	7	31	?	NNE	6	0	3		?	?	-
	Christiansund...	29.29	40	SE	6	r	29.16	-.13	39	36	+ .2	W	5	7	5		41	37	0.20
	Skudesnaes ...	29.65	46	WSW	3	r	29.42	-.23	47	45	+ .6	WSW	5	0	5		?	?	-
	Christiania Fjord (Færdar)	29.69	46	SW	5	0	29.27	-.42	50	49	+ .10	WSW	8	6	4		48	41	0.16
	Skagen (The Scaw)	29.71	44	SW	2	0	29.41	-.30	48	48	+ .6	W	4	0	8		52	43	0.12
	Fanö ...	29.81	47	W	4	0	29.67	-.14	50	49	+ .7	W	6	7	*		52	43	0.12
BRITISH ISLANDS.	Sumburgh Head	29.44	49	WSW	6	r	29.42	-.02	43	40	- .1	WSW	2	0	5		50	41	0.40
	Stornoway ...	29.73	51	W	6	r	29.68	-.05	48	45	+ .2	W	3	0	3		52	44	0.25
	Wick ...	29.64	50	WSW	6	r	29.55	-.09	47	44	+ .3	WSW	5	0	3		52	42	0.18
	Nairn ...	29.71	52	WSW	3	b	29.63	-.08	52	49	+ .10	SW	3	6	2		53	40	0.07
	Aberdeen...	29.76	48	SW	3	r	29.65	-.11	54	51	+ .12	WSW	2	0	2		54	42	0.08
	Leith ...	29.88	50	W	4	c	29.72	-.16	54	52	+ .8	W	6	0	*		54	46	-
	Shields ...	29.95	49	W	4	0	29.77	-.18	54	51	+ .7	WSW	6	0	2		54	46	-
	Spurn Head ...	30.04	49	WSW	3	b	29.88	-.16	51	49	+ .4	SW	4	0	3		52	47	0.01
	York ...	30.03	49	W	3	0	29.89	-.14	52	49	+ .9	W	4	6	*		55	42	0.01
	Loughborough	30.09	47	W	1	c	29.98	-.11	49	47	+ .9	W	3	0	*		59	40	-
GERMANY.	Ardrossan ...	29.96	52	W	4	0	29.82	-.14	54	53	+ .8	WSW	4	7	3		55	45	0.01
	Malin Head ...	29.99	50	WSW	4	0	29.91	-.08	52	52	+ .4	WSW	5	0	6		52	48	0.08
	Mullaghmore ...	30.11	51	W	5	0	30.02	-.09	53	51	+ .5	W	6	0	5		53	48	-
	Belmullet ...	30.13	51	W	4	b	30.08	-.05	53	51	+ .7	W	5	0	*		53	45	0.01
	Donaghadee ...	30.06	50	WSW	3	b	29.95	-.11	53	51	+ .6	WSW	3	0	2		53	45	-
	Barrow-in-Furness	30.06	50	SW	3	0	29.96	-.10	52	50	+ .5	SW	4	7	*		52	47	0.05
	Liverpool (Bidston)	30.10	50	W	3	0	30.00	-.10	50	48	+ .1	W	6	0	4		52	48	-
	Holyhead ...	30.12	49	WSW	1	0	30.05	-.07	51	49	+ .1	WSW	5	0	4		54	49	-
	Parsonstown ...	30.21	50	SW	1	0	30.10	-.11	51	49	+ .9	SW	1	0	*		54	41	-
	Valencia ...	30.21	51	WSW	1	c	30.19	-.02	54	50	+ .6	WSW	2	0	1		58	44	-
FRANCE & NETHERLANDS.	Roche's Point...	30.20	53	W	2	b	30.16	-.04	50	47	+ .4	W	3	6	3		59	44	-
	Pembroke ...	30.15	52	W	2	b	30.12	-.03	52	50	+ .4	W	3	0	2		56	48	-
	Scilly ...	30.18	53	W	0	b	30.18	+ .00	55	51	+ .1	WSW	3	6	2		61	50	-
	Prawle Point ...	30.17	49	WSW	1	b	30.18	+ .01	51	50	+ .2	WSW	2	6	1		57	44	0.01
	Jersey ...	30.18	54	WSW	2	c	30.19	+ .01	49	47	+ .3	WSW	2	6	2		58	43	0.10
	Hurst Castle ...	30.14	44	W	3	b	30.13	-.01	53	51	+ .6	W	4	4	1		59	44	-
	Dungeness ...	30.09	49	WSW	1	m	30.06	-.03	52	49	+ .8	WSW	4	6	3		55	40	-
	London ...	30.12	46	WSW	1	b	30.06	-.06	46	45	+ .1	WSW	2	6	*		57	42	-
	Oxford ...	30.13	46	WSW	1	b	30.06	-.07	47	46	+ .1	WSW	1	6	*		57	44	-
	Cambridge ...	30.09	47	W	1	b	30.01	-.08	50	48	+ .4	SW	1	0	*		56	40	-
PENINSULA.	Yarmouth ...	30.06	51	WSW	1	b	29.96	-.10	47	45	0	W	4	6	3		53	44	-
	Cuxhaven ...	30.01	48	W	3	r	29.87	-.14	50	49	+ .2	W	5	7	*		50	43	0.11
	Berlin ...	29.97	48	WSW	5	0	29.99	+ .02	45	43	0	SW	2	7	*		50	43	0.04
	Wiesbaden ...	*	*	*	*	*	30.13	+ .03	41	40	- .4	W	0	6	*		55	41	0.04
	Munich ...	30.19	43	W	0	0	30.22	+ .03	43	42	+ .1	SW	3	0	*		50	41	0.04
	The Helder ...	30.04	50	WSW	1	b	29.90	-.14	51	49	+ .1	WSW	5	0	3		54	50	-
	Brussels ...	*	*	*	*	*	30.09	-.04	45	44	- .1	SW	4	0	*		?	?	0.04
	Cape Gris Nez...	30.09	54	WSW	3	m	30.07	-.02	53	50	+ .2	WSW	5	0	4		57	50	-
	Paris ...	30.18	47	SW	1	b	30.20	+ .02	57	57	- .7	SW	1	m	*		57	35	-
	Brest ...	30.25	57	WSW	3	b	30.25	+ .00	54	50	+ .3	W	0	6	1		61	41	-

WEATHER CHARTS

For 8 a.m. on

Friday, 12th OCTOBER

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

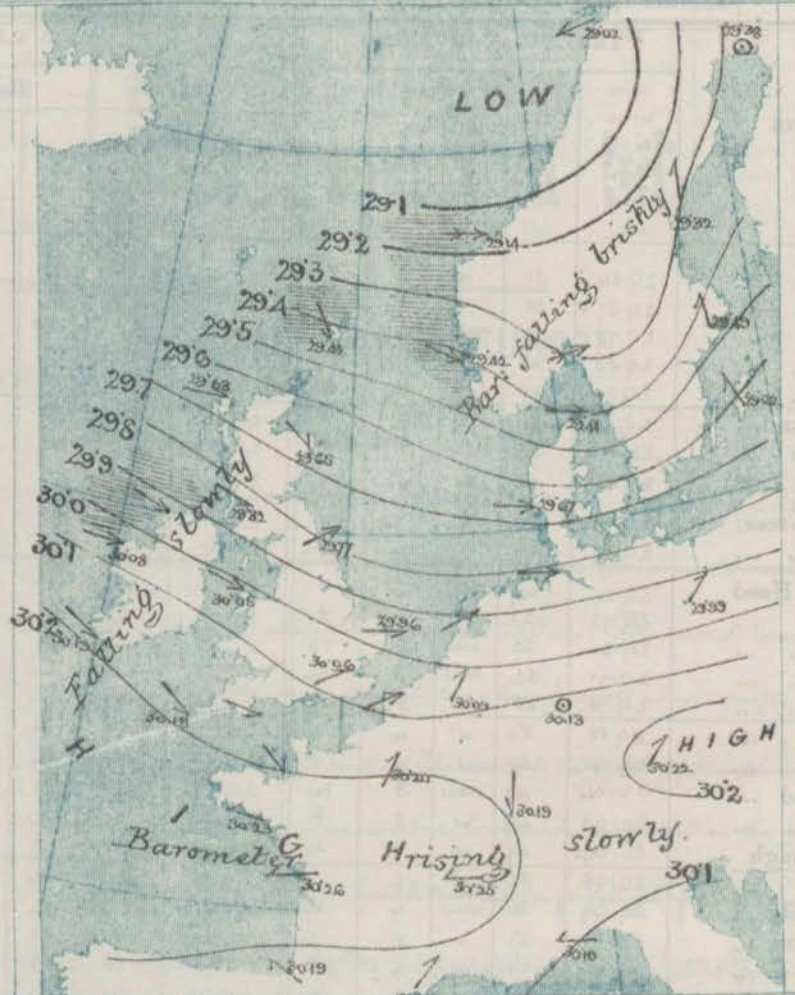
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus —

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

Sea Disturbance — where considerable is shown thus.

— Rough — High
MEAN HEIGHT of the BAROMETER
at 8 a.m. for the month of October
during the 15 Years 1871 — 1885.

STATIONS	MEAN READINGS
Sumburgh Head	29.708
Sornoway	29.786
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.813
Donaghadee	29.852
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roche's Point	29.870
Pembroke	29.868
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.880



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.

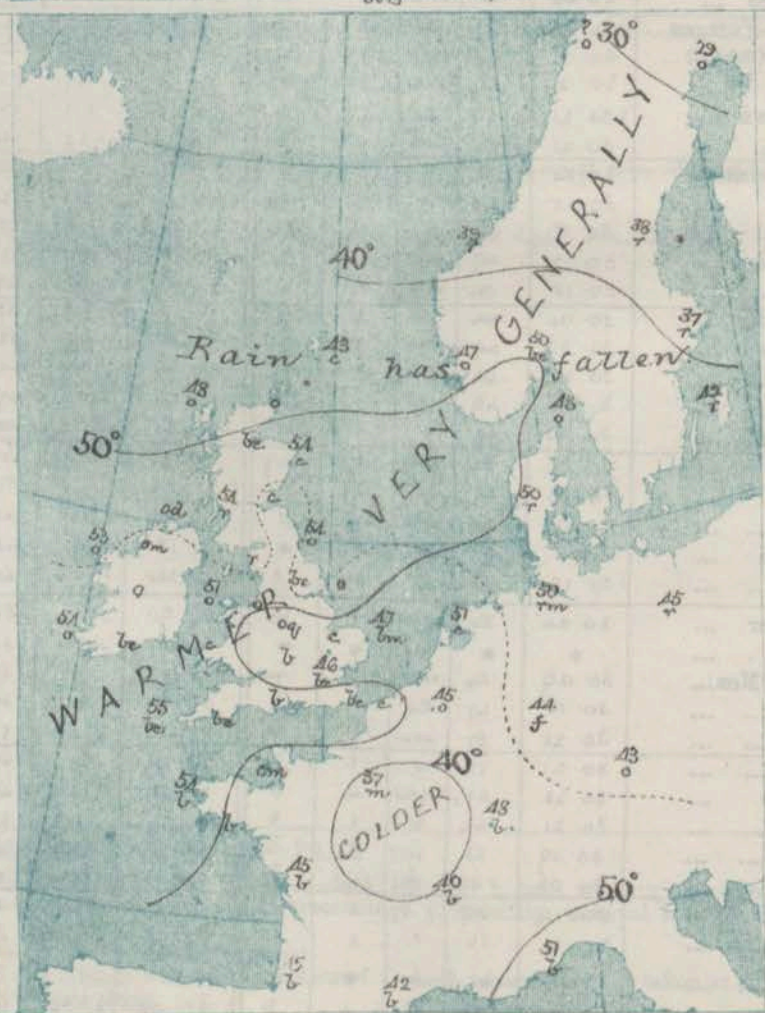
Weather — is shown by Letters of the Beaufort Scale.

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 October.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	Dry at 8 a.m.	Wet	
Sumburgh Head	49.7	41.6	46.0	44.3	4.38
Sornoway	50.5	39.5	45.3	44.1	4.94
Wick	51.6	40.1	46.1	44.3	2.94
Nairn	51.6	40.6	44.5	42.5	2.38
Aberdeen	52.3	41.0	45.5	43.5	2.88
Leith	54.7	41.5	46.5	44.7	1.94
Shields	53.0	42.8	47.1	45.4	2.46
York	54.8	41.0	45.0	44.5	2.61
Loughborough	55.3	41.4	46.4	45.0	2.98
Ardrossan	53.5	43.6	47.8	45.6	4.31
Donaghadee	53.2	43.3	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.6	44.6	47.8	45.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.3	49.1	6.00
Roche's Point	55.8	45.9	50.2	48.4	1.17
Pembroke	54.8	48.0	51.2	49.1	4.13
Scilly	56.6	50.3	53.8	51.7	3.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.25
LONDON	56.6	43.2	48.0	46.4	2.74
Oxford	55.3	42.5	46.7	45.3	2.72
Cambridge	50.4	41.2	46.4	45.4	2.36
Yarmouth	54.3	44.8	49.2	47.9	2.97

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in: and upwards, in an anticyclone lying over France and the Bay of Biscay, and also over South Germany.
Lowest, 29.1 in: and less, in a depression lying off the north-east of Norway. A secondary disturbance is lying over the south of Scandinavia.
Gradients rather steep over Northern Europe, but slight in the southwest. Barometer falling at all but the French stations.

TEMPERATURE

Highest, 61° at Limerick, 55° at Dublin, and 54° at Aberdeen, Leith, Shields, Antwerp, Rotterdam and Berlin.
Lowest, 22° at Hafnarfjörður, 37° at Stockholm and Paris, 38° at Amsterdam, 33° at Christiania, 40° at Lyons, and 42° at Nancy.

WIND

Light to fresh from the W. over our islands and the North Sea; strong to gale from W. at Christiania and Antwerp.
Light from SW in Germany, S in Sweden, E in the east and south of France.
A fresh W. gale was experienced last night in the extreme north of Scotland.

WEATHER

Fine in France and the south of our islands.
Cloudy elsewhere, with rain in Sweden, Denmark, North Germany, and the northwest of our islands.
In the course of the past twenty-four hours rain has fallen at most of our northern stations.

SEA

Rather rough in the extreme north and northwest of our islands, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression which lay to the northward of our islands yesterday has now reached the north-east of Norway, and a secondary disturbance which skirted the north of Scotland last evening has travelled away to the south of Scandinavia.

The distribution of pressure remains favourable for the advance of further depressions from the Atlantic, and unsettled weather is likely to continue over the northern parts of the United Kingdom.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW ^{ly} to W ^{ly} winds, moderate or fresh; changeable, some showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	W ^{ly} winds, fresh; changeable, some showers.
3	ENGLAND EAST	W ^{ly} winds, moderate or fresh; fair generally, but some showers.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	


DISTRICTS.


FORECASTS.

6	SCOTLAND WEST	Same as N°2
7	ENGLAND N.W.	
8	ENGLAND S.W.	W ^{ly} or NW ^{ly} winds, moderate, fair generally.
9	IRELAND NORTH	W ^{ly} to SW ^{ly} winds, fresh; cloudy, some rain.
10	IRELAND SOUTH	

WARNINGS

The north cone was hoisted yesterday afternoon in district 0, but the signal has been lowered again this morning.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.81	46	42	SSW 2	0	3	Holyhead ...	30.14	52	49	NW 3	c	2
Samburgh Head ...	29.58	48	48	WSW 6	r	6	Valencia ...	30.22	57	53	N 2	bc	2
Stornoway ...	29.79	51	50	W 6	r	5	Scilly ...	30.17	57	53	W 0	bc	1
Aberdeen ...	29.84	54	49	SSW 2	bc	1	Jersey ...	30.18	58	52	WNW 2	0	2
Shields ...	29.99	57	46	SW 3	c	2	Dungeness ...	30.10	54	51	NW 2	m	1
Ardrossan ...	30.03	51	48	W 3	0	2	London ...	30.12	57	51	WNW 2	cm	1
Malin Head ...	30.06	51	48	WNW 3	0	3	Yarmouth ...	30.08	52	50	NNE 1	c	3
Mullaghmore ...	30.15	52	49	W 4	c	2	Rochefort ...	30.15	60	54	NW 4	b	2
Belmullet ...	30.18	52	48	WSW 2	c	*							

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

The reports for yesterday morning showed that pressure then varied from 30.2 ins. and more in a high pressure area lying over the Bay of Biscay, the west of Ireland, and the adjacent parts of the Atlantic to about 29.7 ins. in a depression lying over the Gulf of Finland, and to rather below 29.8 ins. in a new depression which was advancing from the Wnd towards Norway. The prevalent wind over Western Europe was, consequently, NW^{ly} to NE^{ly}, while that over Germany was W^{ly} and SW^{ly}, and that in Northern Europe NE^{ly}. The weather varied greatly, but was, as a whole, cloudy, rainy in Scotland, and foggy in Ireland. Temperature varied from 70° and more over the southern part of the Mediterranean and from 50° and more at the mouth of the Channel, and from between 40° and 50° in the south and west of France to several degrees below the freezing point over the extreme north of Europe, but was rising in England, France, and Germany. The highest individual values were 75° at Palermo, 72° at Malta, 69° at Oran, Algiers and Apt., 68° at Cagliari, 67° at Brindisi, 61° at Legna, 59° at Langunais and Barcelona, 58° at Naples, and 54° at Scilly; the lowest were 27° at Bodo, 29° at Haparanda, 30° at Archangel, 31° at Uleaborg, 36° at Stockholm, and 42° at Aberdeen.

Later on the new depression in the north grew much deeper, and a moderate to fresh gale from NW. was felt in the north of Scotland.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for

Saturday, 13th October

1888.

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

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.37	30	N	2	bc	29.15	- 23	33	32	+ 4	ESE	4	2	*	36	27	0.08	
	Hernösand ...	28.92	36	NE	4	r	28.95	- 37	34	32	- 4	SW	4	7	*	41	23	0.39	
	Stockholm ...	29.11	44	WSW	2	b	29.12	- 37	39	36	+ 2	Z	0	7	*	46	36	0.08	
	Wisby ...	29.30	49	S	6	0	29.19	- 43	46	44	+ 4	WSW	4	60	*	54	37	-	
	Bodö ...	29.16	33	ENE	6	3	29.15	- 13	33	31	- 2	ENE	2	6	1	?	28	-	
	Christiansund...	29.13	38	ESE	2	bc	29.24	+ 10	37	36	- 2	NNW	5	5	5	?	32	0.4	
	Skudesnaes ...	29.19	41	WNW	5	r	29.30	- 12	41	37	- 6	WNW	6	60	6	?	41	-	
	Christiania Fjord (Varder)	29.16	46	WNW	4	0	29.10	- 17	37	35	- 13	ENE	5	r	3	52	34	-	
	Skagen (The Scaw)	29.24	46	W	6	b	29.05	- 36	42	39	- 6	W	6	5	4	52	37	0.16	
	Fanö ...	29.48	50	W	6	r	29.37	- 30	47	43	- 3	W	6	5	*	52	45	0.16	
BRITISH ISLANDS.	Sumburgh Head	29.23	40	W	8	r	29.64	+ 22	42	39	- 1	W	6	5	6	46	37	0.20	
	Sornoway ...	29.71	47	W	7	0	29.97	+ 29	42	39	- 6	W	6	5	5	49	39	0.12	
	Wick ...	29.46	42	W	8	0	29.84	+ 29	41	39	- 6	WNW	6	5	4	51	39	0.10	
	Nairn ...	29.65	46	WSW	4	0	29.90	+ 27	42	40	- 10	WSW	4	5	4	54	41	0.02	
	Aberdeen...	29.60	45	W	7	bcq	29.80	+ 15	41	39	- 13	W	6	bcq	5	57	40	0.01	
	Leith ...	29.70	50	W	4	b	29.85	+ 16	47	41	- 7	W	3	5	*	61	43	-	
	Shields ...	29.66	55	WSW	4	b	29.85	+ 08	44	41	- 10	WNW	3	bcq	2	55	40	0.02	
	Spurn Head ...	29.75	53	WSW	6	0	29.78	- 10	45	43	- 6	WNW	6	5	5	53	43	0.03	
	York ...	29.78	54	W	6	0	29.85	- 04	43	40	- 9	W	3	5	*	55	38	0.08	
	Loughborough	29.89	53	WSW	4	0	29.87	- 11	45	42	- 4	WNW	3	5	*	55	42	-	
GERMANY.	Ardrossan ...	29.75	50	WNW	6	b	29.94	+ 12	47	41	- 7	W	3	5	2	55	43	-	
	Malin Head ...	29.87	49	W	5	0	30.03	+ 12	47	42	- 5	WNW	5	5	5	55	47	0.10	
	Mullaghmore ...	29.95	54	W	6	0.2	30.09	+ 07	49	44	- 4	WNW	5	5	4	56	42	0.09	
	Belmullet ...	30.01	54	W	5	r	30.15	+ 07	50	45	- 3	W	4	5	*	54	46	0.13	
	Donaghadee ...	29.86	55	W	5	0	30.00	+ 05	48	44	- 5	W	5	5	5	56	45	0.01	
	Barrow-in-Furness	29.81	54	W	4	0	29.89	- 07	47	43	- 5	WNW	4	5	5	54	45	0.07	
	Liverpool (Bidston)	29.86	52	WSW	6	0	29.93	- 07	48	43	- 2	W	5	5	5	54	47	0.02	
	Holyhead ...	29.93	53	WSW	5	0.5	29.98	- 07	50	46	- 1	WNW	6	5	5	56	49	0.01	
	Parsonstown ...	30.01	54	W	2	0	30.09	- 01	42	41	- 1	W	0	5	*	55	40	0.02	
	Valencia ...	30.13	54	W	3	0	30.10	- 09	53	51	- 1	WNW	3	5	5	56	51	0.01	
FRANCE & NETHERLANDS.	Roche's Point...	30.08	54	WNW	3	bc	30.06	- 10	48	46	- 2	WNW	3	5	3	56	48	-	
	Pembroke ...	30.02	54	W	4	0	30.00	- 12	49	46	- 3	W	3	5	2	55	47	0.03	
	Scilly ...	30.11	55	WNW	4	0	30.00	- 13	55	52	- 0	WNW	4	5	4	58	51	0.01	
	Prawle Point ...	30.09	52	WNW	4	0	29.96	- 22	52	52	+ 1	WNW	3	5	1	57	44	0.01	
	Jersey ...	30.12	54	W	3	b	29.96	- 23	55	53	+ 6	WNW	4	5	3	58	43	0.03	
	Hurst Castle ...	30.04	54	WNW	5	0	29.91	- 22	49	49	- 4	W	6	5	2	59	49	0.06	
	Dungeness ...	29.93	54	WNW	5	0	29.82	- 24	48	45	- 4	W	2	5	2	59	47	0.10	
	London ...	29.94	52	WNW	3	bc	29.87	- 19	48	44	+ 2	W	2	5	*	59	45	0.04	
	Oxford ...	29.95	51	W	3	0	29.90	- 16	47	43	- 0	W	2	5	*	57	44	-	
	Cambridge ...	29.90	52	SW	2	0	29.85	- 16	46	42	- 4	W	2	5	*	56	44	0.04	
PENINSULA.	Yarmouth ...	29.83	51	W	4	bc	29.77	- 19	44	42	- 3	WNW	4	5	4	53	40	0.13	
	Cuxhaven ...	29.74	46	WSW	6	r	29.57	- 30	49	47	- 1	WNW	6	7	*	51	45	0.44	
	Berlin ...	29.79	50	S	3	0	29.58	- 44	49	48	+ 1	SW	3	7	*	52	?	0.24	
	Wiesbaden ...	*	*	*	*	*	29.78	- 35	50	48	+ 6	SW	3	7	*	55	?	-	
	Munich ...	30.10	41	SW	1	b	29.95	- 27	47	45	+ 4	SW	5	0	*	54	36	-	
	The Helder ...	29.75	52	WSW	5	r	29.67	- 23	49	45	- 2	W	5	5	3	54	48	0.24	
	Brussels ...	*	*	*	*	*	29.70	- 33	50	49	+ 5	W	4	7	*	56	?	0.12	
	Cape Gris Nez...	29.95	54	WSW	8	0	29.83	- 24	51	49	- 2	WNW	8	0	6	57	30	0.02	
	Paris ...	30.10	48	W	1	bc	29.94	- 26	48	47	+ 11	WSW	3	0	*	60	?	-	
	Brest ...	30.20	58	WNW	3	0	30.10	- 15	54	50	- 0	W	4	0	2	59	41	-	
PENINSULA.	Lorient ...	30.19	57	WNW	4	bc	30.06	- 17	?	51	- 2	W	4	2	2	61	46	-	
	Roche fort ...	30.21	57	W	4	b	30.10	- 16	53	52	+ 8	S	4	0	2	63	45	-	
	Belfort ...	30.13	44	W	1	b	29.97	- 22	46	45	- 2	WNW	1	5	*	55	33	-	
	Lyons ...	30.17	49	W	1	b	30.09	- 16	38	37	- 2	NE	1	5	*	56	37	-	
	Nice ...	30.06	63	SE	1	b	29.95	- 15	50	48	- 1	WNW	5	5	1	64	46	-	
	Perpignan ...	30.13	52	W	3	b	30.07	- 12	45	43	+ 3	W	3	5	*	58	41	-	
	Biarritz ...	30.16	57	ENE	4	b	30.05	- 14	45	43	- 0	W	0	5	0	64	43	-	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
	Lisbon ...	30.01	65	SE	3	0	29.93	- 11	62	61	+ 1	SE	4	7	2	70	61	1.38	

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on *Saturday, 13th OCTOBER.*

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

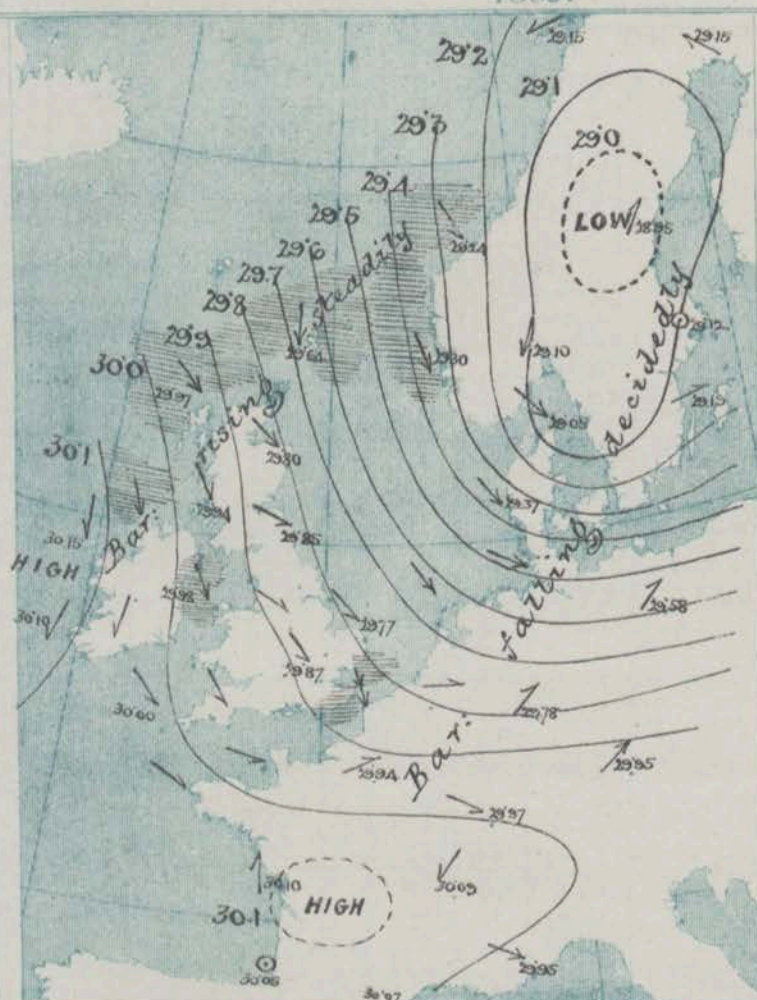
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 — force above 10, — force 6 to 10,
 — force 5 to 7, — force 1 to 4,
 ☉ — dead calm

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.708
Stornoway	29.735
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.813
Donaghadee	29.832
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roche's Point	29.870
Pembroke	29.868
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.886



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.00 in. to 30.15 in. over Ireland, Central and Western France, and the north of Spain.
 Lowest, 29.0 in. and less, in a depression lying over Scandinavia.
 Gradient moderate to slight in our Islands, rather steep over the North Sea.
 Barometer rising north and northwest, falling in far east, steady in south of England.

TEMPERATURE

Highest, 62° at Lubeck, 55° at Killybegs, 53° at Valmiera and Rostock, and 50° at Birkenhead.
 Lowest, 33° at Bodø and Haparanda, 34° at Hango, and 37° at Christianaund and Vaerø, 38° at Stockholm, 41° at Malmö, and Aberdeen.
 It has fallen very decidedly in the north and east, and the fall seems to be spreading.

WIND

N^W or NW^W over the Bay of Biscay, British Islands, and North Sea, moderate at the southernmost stations, strong in the north and east.
 SW^W moderate over Germany — SSW^W in Sweden — E^W in Lapland.
 A fresh gale from NW^W was felt in the east of Scotland last night.

WEATHER

Cloudy in many places, clear in others, with showers in several places, especially in the north and east.
 Some showers have fallen in all parts of the Kingdom.

SEA

Rough in the north, rather rough in the northwest and northeast, smooth in the south.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Some showers are likely to fall during the day except in the west and southwest, but a fair cold night is probable in most places — especially cold at the inland stations.

FORECASTS

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

DISTRICTS.

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

FORECASTS.

NW^W winds, strong to moderate; showery to fair — very cold at night.
 NW^W breezes, fresh to light, perhaps some showers, fine and cold at night.

DISTRICTS.

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

FORECASTS.

Same as Nos 0 to 2.

N^W winds, moderate; fair, very cold inland at night.

NONE ISSUED.

WARNINGS

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.29	45	42	SSW 5	r	5	Holyhead ...	29.97	55	52	W 5	c	5
Laburgh Head ...	29.32	43	42	NW 7	op	6	Valencia ...	30.16	56	56	WNW 2	om	2
Stornoway ...	29.69	49	45	NW 6	bc	4	Scilly ...	30.15	57	52	W 4	b	4
Aberdeen ...	29.60	55	47	WNW 6	bc	3	Jersey ...	30.16	58	53	W 3	c	3
Shields ...	29.71	54	52	WSW 7	o	2	Dungeness ...	29.95	58	53	W 6	c	4
Ardrossan ...	29.75	54	50	WNW 4	c	3	London ...	29.98	59	52	W 4	bc	*
Malin Head ...	29.84	53	53	WNW 5	o	4	Yarmouth ...	29.90	52	50	W 4	op	3
Mullaghmore ...	29.97	54	53	WSW 6	oa	5	Rochefort ...	30.25	57	54	NW 3	b	2
Belmullet ...	30.02	54	53	W 5	o	*							

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

The reports for yesterday morning showed that pressure was highest, 30.2 ins. and upwards, in a large anticyclone lying over France and the Bay of Biscay, and also in a smaller system lying over South Germany, and lowest, 29.1 ins. and less, in a large and rather deep depression lying off the northwest of Norway. Light to fresh W^{ly} breezes were reported over our Islands, and W^{ly} gales in Norway, but over Sweden, the Baltic and northern Russia the wind drew into SW. or S, while in Spain and the west and south of France it was chiefly E^{ly}. In Austria, Italy, and Algeria light variable breezes were reported. The weather was fine over southern and southeastern Europe, but cloudy in the north and northwest with rain over Sweden, Denmark, North Germany, and the Baltic, as well as in the northwest of our Islands. Temperature has fallen a little in Russia, but risen in most other countries; readings ranged from 65° and upwards over Algeria and Southern Italy to 40° or less over Northern Europe generally and Central France. The highest individual readings were 72° at St. Petersburg, 68° at Brindisi, 67° at Algiers, La Galle and Tunis, 65° at Oran and Biskra, and 64° at San Fernando and Palermo; the lowest were 29° at Haparanda and Helsingfors, 31° at Clermont, 33° at Nantes, 35° at Uleaborg and Besancon, and 37° at Archangel, Kuopio, Stockholm and Paris.

In the course of the day the depression off the northwest of Norway travelled steadily southwards over Scandinavia, while a small secondary disturbance skirted the Shetlands and passed on the North Sea. The latter system occasioned fresh to strong NW^{ly} gales in the extreme north and northeast of Scotland.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Sunday 14th OCTOBER 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. 0 to 9.)		SHADE TEMP.		Amount of Rainfall.
			Dir.	Force. (0 to 12.)			Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)				Max.	Min.	
SCANDINAVIA.	Haparanda ..	29.27	35	SW	4	0	29.12	- .03	35	35	+ 2	SE	2	0	*		43	30	0.25
	Hernösand ...	29.08	36	Z	0	0	29.30	+ .35	35	33	+ 1	NW	2	0	*		43	30	—
	Stockholm ...	29.21	38	SW	2	7	29.43	+ .31	37	35	- 2	Z	0	0	*		48	30	0.08
	Wibor ...	29.32	40	S	6	0	29.57	+ .32	42	39	- 4	NW	4	0	*		54	37	0.04
	Bodö ...	29.24	33	E	2	0	29.52	+ .37	31	29	- 2	ESF	2	0	1		37	28	—
	Christiansund...	29.39	40	NW	8	7	29.55	+ .31	40	37	+ 3	WNW	8	7	0		42	36	0.35
	Skudesnaes ...	29.60	41	WNW	7	7	29.78	+ .48	39	37	- 2	WNW	2	7	4		42	?	—
	Christiania Fjord (Færd)	29.55	43	WNW	4	0	29.59	+ .49	40	36	+ 5	WNW	3	0	2		43	37	—
	Skagen (The Scaw)	29.39	43	NE	1	0	29.60	+ .55	45	41	+ 3	N	1	0	0		45	39	—
	Fanö ...	29.56	44	NW	4	0	29.69	+ .32	45	41	- 2	NW	4	0	*		50	41	0.08
BRITISH ISLANDS.	Sumburgh Head	29.87	39	N	5	0	29.87	+ .17	45	44	+ 3	NW	3	0	5		45	36	0.17
	Stornoway ...	30.10	41	N	4	0	30.04	+ .07	46	45	+ 4	W	5	0	4		46	37	0.05
	Wick ...	29.93	41	N	5	0	29.95	+ .11	45	43	+ 4	NW	6	0	4		46	37	0.02
	Nairn ...	30.01	43	NNW	3	0	30.06	+ .16	43	41	+ 1	SW	3	0	2		45	37	—
	Aberdeen...	30.00	41	NW	6	0	30.06	+ .26	42	39	+ 2	W	3	0	3		46	38	0.02
	Leith ...	30.03	45	N	3	0	30.14	+ .26	38	36	- 9	WNW	3	0	*		51	35	—
	Shields ...	29.99	43	N	3	0	30.10	+ .25	37	35	- 7	WNW	3	0	2		50	35	—
	Spurn Head ...	29.94	43	NW	6	0	30.07	+ .29	40	39	- 5	NW	4	0	4		48	39	0.04
	York ...	29.97	44	NW	2	0	30.14	+ .29	39	35	- 4	NW	2	0	*		54	34	—
	Loughborough	30.00	40	NW	1	0	30.16	+ .29	34	32	- 11	WNW	2	0	*		53	30	—
GERMANY.	Ardrossan ...	30.06	45	N	2	0	30.18	+ .24	40	37	- 7	N	1	0	1		51	38	—
	Malin Head ...	30.14	46	N	5	0	30.21	+ .18	47	42	- 0	NW	3	0	3		48	45	—
	Mullaghmore ...	30.16	48	N	5	0	30.26	+ .17	43	41	- 6	SW	1	0	2		51	35	—
	Belmullet ...	30.19	48	NNE	3	0	30.28	+ .13	41	39	- 9	SE	1	0	*		52	36	—
	Donaghadee ...	30.08	47	NE	5	0	30.21	+ .21	47	43	- 1	NNE	4	0	3		50	45	—
	Barrow-in-Furness	30.03	45	N	2	0	30.19	+ .30	41	38	- 6	NW	1	0	*		51	36	—
	Liverpool (Bidston)	30.04	46	N	1	0	30.20	+ .27	44	38	- 4	NNE	1	0	2		51	38	—
	Holyhead ...	30.06	49	NNE	6	0	30.20	+ .22	47	43	- 3	NNE	3	0	3		51	46	—
	Parsonstown ...	30.22	46	Z	0	0	30.25	+ .16	30	29	- 12	Z	0	0	*		53	29	—
	Valencia ...	30.17	50	NE	2	0	30.28	+ .18	42	40	- 10	Z	0	0	1		55	36	—
FRANCE & NETHERLANDS.	Roche's Point...	30.12	50	NNE	2	0	30.23	+ .17	40	38	- 8	N	2	0	3		55	38	—
	Pembroke ...	30.06	49	N	4	0	30.19	+ .19	47	45	- 2	NNE	1	0	0		52	42	—
	Scilly ...	30.04	52	NNE	5	0	30.16	+ .16	53	47	- 2	ENE	2	0	3		55	49	0.01
	Prawle Point ...	30.03	47	NNW	2	0	30.19	+ .23	45	41	- 7	N	2	0	1		60	37	—
	Jersey ...	29.98	52	N	3	0	30.16	+ .20	50	43	- 5	NE	3	0	3		56	43	0.07
	Hurst Castle ...	30.00	47	NNE	3	0	30.17	+ .26	38	37	- 11	N	2	0	1		53	34	—
	Dungeness ...	29.90	47	N	2	0	30.08	+ .26	38	36	- 10	N	3	0	2		53	32	—
	London ...	29.98	47	NNW	2	0	30.14	+ .27	37	35	- 11	NW	2	0	*		52	38	—
	Oxford ...	30.03	43	NW	2	0	30.18	+ .28	36	33	- 11	NW	2	0	*		53	31	—
	Cambridge ...	29.95	43	N	1	0	30.13	+ .28	39	36	- 7	NNW	1	0	*		52	35	—
PENINSULA.	Yarmouth ...	29.87	44	NNW	4	0	30.04	+ .27	44	43	- 0	NW	4	0	5		47	41	0.25
	Cuxhaven ...	29.58	44	NW	6	0	29.77	+ .20	46	45	- 3	N	5	0	*		50	44	0.10
	Berlin ...	29.57	46	WNW	3	0	29.76	+ .18	39	38	- 10	WNW	4	0	*		50	37	0.28
	Wiesbaden ...	*	*	*	*	*	29.91	+ .13	42	39	- 8	NW	3	0	*		53	41	0.82
	Munich ...	29.98	43	W	5	0	29.85	- .10	39	38	- 8	NW	4	0	*		50	39	0.35
	The Helder ...	29.78	45	NNE	5	0	29.92	+ .25	48	44	- 1	NNW	4	0	3		50	46	0.08
	Brussels ...	*	*	*	*	*	29.99	+ .23	43	42	- 7	W	2	0	*		50	41	0.12
	Cape Gris Nez...	29.00	49	NNE	4	0	30.03	+ .20	44	42	- 7	NNE	8	0	6		54	43	—
	Paris ...	29.91	46	NNE	3	0	30.04	+ .10	37	37	- 11	NW	1	0	*		53	35	0.12
	Brest ...	30.05	53	NW	3	0	30.16	+ .06	44	43	- 10	NE	1	0	2		59	41	—

WEATHER CHARTS

for 8 a.m. on

Sunday, 14 October

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

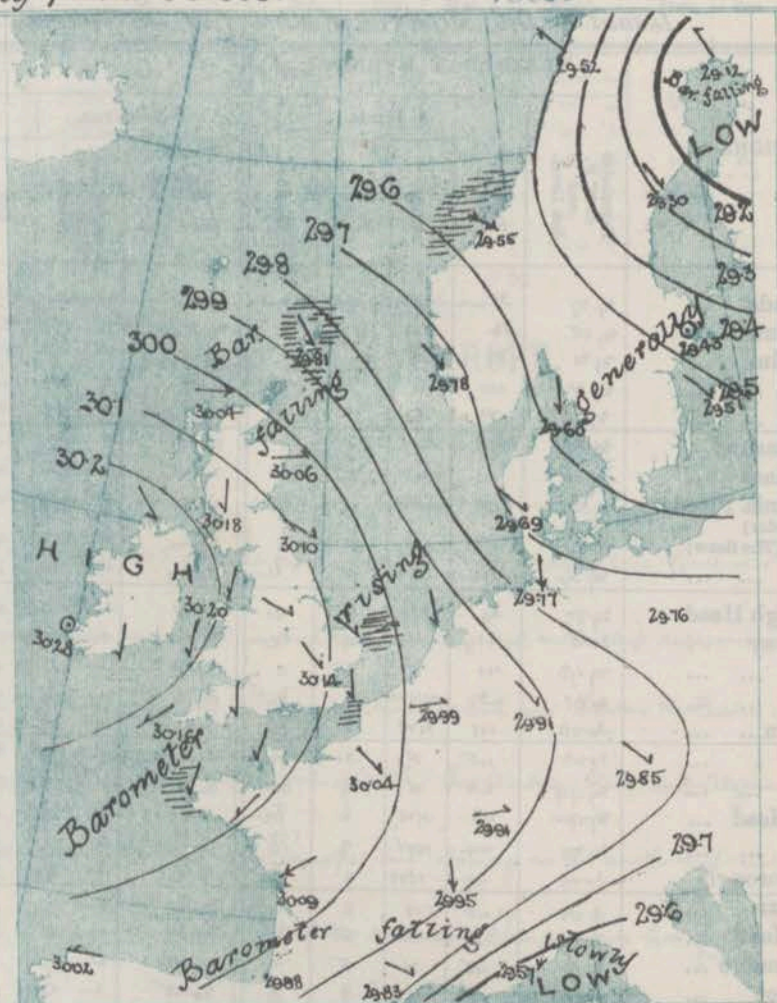
Sea Disturbance — where considerable is shown thus,

— Rough — High

MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of October
During the 16 Years 1871—1885.

STATIONS	MEAN READINGS.
Sumburgh Head	29.708
Stornoway	29.735
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.813
Donaghadee	29.832
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roche's Point	29.870
Pembroke	29.868
Scilly	29.884
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.886



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 October

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	49.7	41.6	46.0	44.3	4.33
Stornoway	50.5	39.5	45.3	44.1	4.94
Wick	51.6	40.1	46.1	44.3	2.94
Nairn	51.6	40.6	44.5	42.5	2.38
Aberdeen	52.3	41.0	45.5	43.5	2.88
Leith	54.7	41.5	46.5	44.7	1.94
Shields	53.0	42.8	47.1	45.4	2.46
York	54.8	41.0	45.9	44.6	2.64
Loughborough	55.3	41.4	46.4	45.0	2.98
Ardrossan	53.5	43.6	47.6	45.8	4.31
Donaghadee	53.2	43.3	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.6	44.6	47.8	45.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.3	49.1	6.09
Roche's Point	55.8	45.9	50.2	48.3	4.17
Pembroke	54.8	48.0	51.2	49.1	4.13
Scilly	56.6	50.3	53.8	51.7	3.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.25
LONDON	55.6	43.2	48.0	46.4	2.74
Oxford	55.3	42.5	46.7	45.3	2.72
Cambridge	56.4	41.2	46.4	45.4	2.36
Yarmouth	54.3	44.8	49.2	47.9	2.97

Note — The Temperature means are for the 16 years 1871—85, the Rainfall means are mainly those for the 20 years 1866—85



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in. and upwards, in an anticyclone lying over Ireland and the St. George's Channel.
Lowest, 29.2 in. and less, in a depression lying over the northern part of the Gulf of Bothnia; 29.0 in. and less in another disturbance lying over the Gulf of Genoa.
Gradients, slight over Ireland, England, and France, but moderate elsewhere.
Barometer falling quickly in the extreme north of Scotland, but rising elsewhere.

TEMPERATURE

Highest, 58° at Corunna and Lisbon, 57° at Helsingfors, 53° at St. Petersburg, 51° at Rangoon and Kien, and 50° at Jassy and Lorient.
Lowest, 30° at Constantinople, 31° at Rangoon, 34° at Loughborough, 35° at Haparanda and Helsingfors, and 36° at Oxford.
Frost occurred last night over the inland parts of England and Ireland.

WIND

N.W. in Scandinavia, Denmark, Germany, the Netherlands, the east of Great Britain; moderate in force generally, but strong at Christiansund.
N. or N.E. in France, the east and south of our Islands; E. in the north of Scandinavia.

WEATHER

Fair or fine generally, but rainy in the Shetlands and west of Norway.
In the north of Scotland the sky has become overcast, with a threatening appearance at Nisk.
Rain fell yesterday at our extreme northern and many of the Continental stations.

SEA

Rough at Christiansund and Cape Hig and rather rough at Loughborough Head and west, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay over Sweden yesterday, is moving away in a northeasterly direction, but the barometer has begun to fall again in the north of Scotland, so that a fresh disturbance is probably approaching.

FORECASTS

for the 24 hours ending at NOON on 15th OCT^r 1888.

DISTRICTS.

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

FORECASTS.

NONE ISSUED.

DISTRICTS.

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

WARNINGS

FORECASTS.

NONE ISSUED.

The north cone has been hoisted this morning in districts 0.1. and 6.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnæs ...	29.49	42	40	NNW	6	r	5	Holyhead ...	30.01	49	44	N	6	c	5
Sumburgh Head ...	29.79	43	40	N	5	c	6	Valencia ...	30.14	54	49	NE	3	bc	4
Stornoway ...	30.08	45	41	N	6	bc	5	Scilly ...	30.04	53	47	N	5	c	4
Aberdeen ...	29.93	44	40	NW	7	b, p, h, r	6	Jersey ...	29.95	55	50	N	4	c	3
Shields ...	29.90	30	43	N	4	c	4	Dungeness ...	29.91	58	45	NNE	3	bc	3
Ardrossan ...	30.00	49	43	NNW	3	bc	2	London ...	29.91	51	44	N	3	o	*
Malin Head ...	30.11	47	43	NNW	5	c	5	Yarmouth ...	29.83	47	44	NW	4	c	5
Mullaghmore ...	30.14	50	44	NNW	6	c	4	Rochefort ...	30.09	61	57	W	1	c	2
Belmullet ...	30.16	51	45	NNE	4	b	*								

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

The reports for yesterday morning showed that pressure varied from between 30.0 in: and 30.1 in: over the western parts of our Islands and France, and from 29.9 in: and more in a high pressure band which stretched across the southern parts of France, Germany, and Russia, to rather below 29.0 in: in a rather complex depression, the centre of which lay over Central Sweden. Thus, while NW winds, strong to a gale in force, prevailed over the North Sea and Scotland, the wind over Germany was SW^{ly}, over the Baltic S^{ly}, and over Finland and Lapland SE^{ly} to E^{ly}. The air was becoming colder over Northwestern Europe, where the thermometer was rather low generally, and though the weather was fair in many localities it was unsettled as a whole, and at many stations showing. Temperature varied from 68° at Brindisi, 66° at Biskra (Algeria), 61° at Cagliari, 55° at Sicily, and 53° at Palermo to 33° at Hakaranda and Bodö, 34° at Uleaborg, 35° at Archangel, 37° at Christianmund and Lander, and 41° at Aberdeen.

Later on the wind after blowing hard in the northeast of Scotland, lulled somewhat, and over England and Ireland the night was fine but very cold.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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DAILY WEATHER REPORT.

for *Monday, 15th October* 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.27	33	2	0	r	29.30	+1.8	31	31	- 4	2	0	bc	*	44	?	0.12
	Hernösand ...	29.49	32	2	0	b	29.43	+1.3	34	33	- 1	2	0	o	*	45	28	-
	Stockholm ...	29.65	36	2	0	b	29.59	+1.6	37	35	0	SSW	2	r	*	45	30	-
	Wisby ...	29.49	38	W	2	r	29.73	+2.2	43	41	+ 1	SW	4	bc	*	46	37	-
	Bodö ...	29.34	33	W	1	b	29.29	-2.3	34	31	+ 3	E	2	o	1	36	30	-
	Christiansund...	29.49	38	SE	4	r	29.62	+0.7	38	36	- 2	WNW	7	S	5	41	34	0.32
	Skudesnaes ...	29.75	43	SSE	4	r	29.82	+0.4	45	42	+ 6	WNW	8	C	5	?	39	-
	Christiania Fjord (Fjord)	29.69	44	WNW	2	bc	29.58	-0.1	47	44	+ 5	W	4	bc	2	?	?	-
	Skagen (The Scaw)	29.70	43	NW	2	c	29.60	-0.0	49	47	+ 4	NW	4	o	2	?	37	0.04
	Fanö ...	29.88	46	SW	3	r	29.90	+2.1	50	49	+ 5	NW	5	r	*	50	43	0.12
BRITISH ISLANDS.	Sumburgh Head	29.72	48	SW	4	o	30.00	+1.9	41	39	- 4	WNW	4	C	4	50	39	0.05
	Stornoway ..	30.01	51	NW	5	r	30.11	+1.07	49	49	+ 3	W	3	f	3	51	45	0.12
	Wick ...	29.91	48	WNW	4	o	30.09	+1.4	48	47	+ 3	2	0	d	1	52	40	0.14
	Nairn ...	29.98	50	W	5	bc	30.11	+0.5	51	49	+ 8	SW	1	b	0	53	43	-
	Aberdeen...	30.01	47	WNW	2	b	30.14	+0.8	51	47	+ 8	W	2	bc	2	51	43	-
	Leith ...	30.13	46	W	3	bc	30.18	+0.4	52	49	+ 4	W	3	cm	*	54	37	-
	Shields ...	30.10	48	W	3	bc	30.19	+0.9	50	47	+ 13	W	3	bc	3	52	35	-
	Spurn Head ...	30.15	47	WSW	2	bc	30.20	+1.3	46	44	+ 6	WSW	4	bc	3	49	40	-
	York ...	30.17	46	W	2	b	30.24	+1.0	42	41	+ 3	W	1	b	*	50	36	-
	Loughborough	30.22	41	WNW	1	b	30.30	+1.4	44	42	+ 10	WSW	2	bc	*	53	34	-
GERMANY.	Ardrossan ...	30.16	50	WNW	3	c	30.23	+0.5	52	50	+ 12	W	2	o	2	52	39	-
	Malin Head ...	30.21	49	WNW	4	o	30.26	+0.5	51	49	+ 4	WNW	4	C	3	51	47	-
	Mullaghmore ...	30.24	49	WSW	4	C	30.31	+0.5	48	45	+ 5	SW	4	o	2	54	42	-
	Belmullet ...	30.28	49	W	2	C	30.32	+0.4	50	47	+ 9	WSW	2	o	*	53	40	-
	Donaghadee ...	30.24	45	NW	3	C	30.30	+0.9	43	41	- 4	W	3	b	1	54	39	-
	Barrow-in-Furness	30.19	49	WNW	2	b	30.26	+0.7	50	47	+ 9	NW	3	C	*	51	40	-
	Liverpool (Bidston)	30.25	45	WNW	2	bc	30.31	+1.1	49	45	+ 5	WNW	3	o	3	50	44	-
	Holyhead ...	30.24	48	WNW	1	bc	30.33	+1.3	49	46	+ 2	WNW	1	bc	1	51	45	-
	Parsonstown ...	30.29	45	2	0	bc	30.36	?	31	30	+ 1	2	0	b	*	52	29	-
	Valencia ...	30.32	45	WNW	1	b	30.36	+0.8	48	46	+ 5	SE	2	C	2	56	38	-
FRANCE & NETHERLANDS.	Roche's Point...	30.30	49	ESE	1	b	30.37	+1.4	42	39	+ 2	WNW	1	b	3	54	39	-
	Pembroke ...	30.24	48	N	2	bc	30.36	+1.7	46	45	- 1	NNE	2	bc	0	52	43	-
	Scilly ...	30.23	52	ESE	1	b	30.34	+1.8	52	47	- 1	2	0	b	1	55	46	-
	Prawle Point ...	30.27	48	ESE	1	b	30.39	+2.0	49	45	+ 4	WNW	1	b	1	56	38	-
	Jersey ...	30.25	48	NNE	3	bc	30.38	+2.2	39	37	- 11	N	2	bc	2	52	35	-
	Hurst Castle ...	30.26	43	N	2	b	30.38	+2.1	41	39	+ 3	NNE	1	m	0	50	31	-
	Dungeness ...	30.18	45	N	3	bc	30.30	+2.2	38	31	- 5	N	3	bc	2	50	30	-
	London ...	30.22	47	NW	2	bc	30.34	+2.0	36	35	- 1	W	1	C	*	51	30	-
	Oxford ...	30.29	37	N	1	b	30.37	+1.9	33	32	- 3	SW	3	o	*	51	32	-
	Cambridge ...	30.25	44	N	1	o	30.32	+1.9	43	41	+ 4	SW	1	o	*	52	32	-
PENIN- SULA.	Yarmouth ...	30.13	46	NW	3	C	30.23	+1.9	39	38	- 5	W	3	bc	3	49	33	0.08
	Cuxhaven ...	29.93	47	N	0	r	30.05	+2.8	50	49	+ 4	NW	5	r	*	50	45	0.18
	Berlin ...	29.94	42	WNW	2	b	30.06	+3.0	41	40	+ 2	WSW	2	r	*	50	36	0.12
	Wiesbaden ...	*	*	*	*	*	30.26	+3.5	45	42	+ 3	N	1	C	*	48	39	-
	Munich ...	30.06	36	W	2	C	30.28	+4.3	36	36	- 3	NW	4	o	*	43	34	0.08
	The Helder ...	30.10	49	WNW	3	C	30.17	+2.5	50	47	+ 2	W	3	C	3	50	46	0.04
	Brussels ...	*	*	*	*	*	30.34	+3.5	45	44	+ 2	WSW	1	C	*	52	43	0.04
	Cape Gris Nez...	30.17	48	NNE	5	C	30.27	+2.4	46	43	+ 2	WNW	5	m	4	52	43	-
	Paris ...	30.21	46	N	1	o	30.35	+3.1	34	34	- 3	NE	1	b	*	54	32	-
	Brest ...	30.25	47	NE	1	o	30.38	+3.3	46	43	+ 9	SE	3	b	2	59	?	-

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on

Monday, 15th October,

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

Sea Disturbance — where considerable is shown thus.

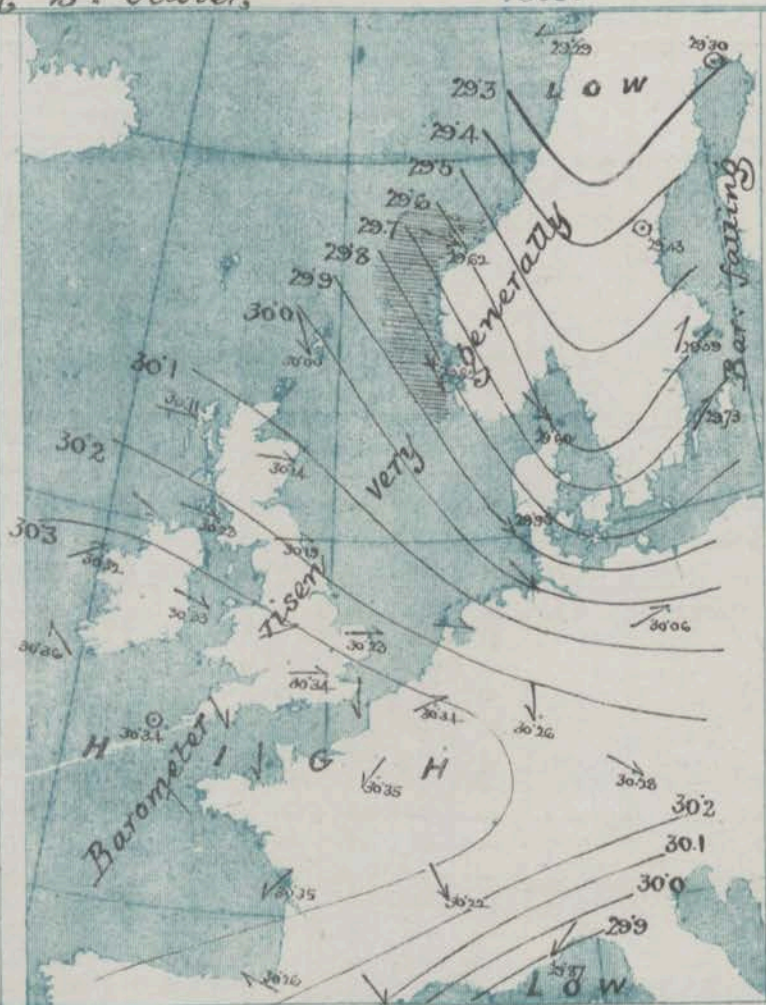
■ = Rough; ■ = High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS
Sumburgh Head	29.705
Stornoway	29.785
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.813
Donaghadee	29.832
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roche's Point	29.870
Pembroke	29.868
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.886



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 October.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min	at 8 a.m.	at 8 a.m.	
			Dry	Wet	
Sumburgh Head	49.7	41.6	46.0	44.3	4.38
Stornoway	50.5	39.5	45.3	44.1	4.94
Wick	51.6	40.1	46.1	44.3	2.94
Nairn	51.6	40.6	44.5	42.5	2.38
Aberdeen	52.3	41.0	45.5	43.5	2.88
Leith	54.7	41.5	46.5	44.7	1.94
Shields	53.0	42.8	47.1	45.4	2.46
York	54.8	41.0	45.9	44.5	2.64
Loughborough	55.3	41.4	46.4	45.0	2.98
Ardrossan	53.5	43.6	47.6	45.6	4.31
Donaghadee	53.2	43.3	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.6	44.6	47.8	45.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.3	49.1	6.09
Roche's Point	55.8	45.9	50.2	48.4	4.17
Pembroke	54.8	48.0	51.2	49.1	4.13
Scilly	56.6	50.3	53.8	51.7	3.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.28
LONDON	56.6	48.2	48.0	46.4	2.74
Oxford	55.3	42.5	46.7	45.3	2.72
Cambridge	56.4	41.2	46.4	45.3	2.36
Yarmouth	54.3	44.8	49.2	47.9	2.97

Note — The Temperature means are for the 15 years 1871—85, the Rainfall means are mainly those for the 30 years 1856—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins: and upwards, over the greater part of Ireland, England, and France.
 Lowest, 29.3 ins: and less, in a depression lying over the north of Scandinavia. A trough of V shaped secondary disturbances extends southwards over Sweden.
 Gradients rather steep over Scandinavia, Denmark, and the Baltic, and also in the south-west of France. Barometer rising at all but the Swedish stations.

TEMPERATURE

Highest, 52° at Luth. Anderson and Hilby, 51° at Kain, Aberdeen, Malin Head and Nid, and 50° at Shields, Banowin, Tames, and Belmullet.
 Lowest, 31° at Haparanda and Parosatoron, 33° at Dungeness and Oxford, and 34° at Rode, Hvosand, Paris and Belfast.
 Sharp frost occurred last night over our eastern and southeastern counties.

WIND

Light or moderate from the Wnd in the north and east of our Islands.
 Fresh or strong from the NWnd on the eastern shores of North Sea, with a gale at Kludenæs.
 Variable on our southern coast, moderate from the End over the Bay of Biscay.

WEATHER

Fair over the greater part of our Islands, as well as in France and the Netherlands.
 Cloudy elsewhere with rain in North Germany and the south of Denmark, and snow at Christiansund.
 Rain fell yesterday in the extreme north of Scotland.

SEA

Rather rough off the west of Norway, but slight, smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large anticyclone noticed above seems to be steadily increasing, both in size and height, and fair weather is therefore likely to continue for a time in nearly all districts.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	W nd and NW nd winds, moderate, cloudy, rain locally.
1	SCOTLAND EAST	W nd winds, light or moderate, fair generally.
2	ENGLAND N.E.	
3	ENGLAND EAST	W nd to NW nd winds, light or moderate; fair generally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	


DISTRICTS.


FORECASTS.

6	SCOTLAND WEST	Same as N ^o 1 and 2.
7	ENGLAND N.W.	NW nd winds, light; fair generally.
8	ENGLAND S.W.	Light variable breezes; fair generally, but local fogs.
9	IRELAND NORTH	Same as N ^o 0
10	IRELAND SOUTH	Variable or S nd airs; fair to cloudy and some rain.

WARNINGS

The north cone was hoisted yesterday in districts 0, 1, and 6, but the signals have been lowered again this morning.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudeanses ...	29.81	42	40	WNW 4	7	4	Holyhead ...	30.24	50	45	N 3	6	2
Sumburgh Head ...							Valencia ...						
Stornoway ...	30.01	51	50	W 5	0	4	Scilly ...						
Aberdeen ...							Jersey ...	30.20	52	44	N 4	60	3
Shields ...							Dungeness ...	30.14	46	42	N 3	60	2
Ardrossan ...							London ...						*
Malin Head ...	30.23	50	45	WNW 5	0	3	Yarmouth ...						
Mullaghmore ...							Rochefort ...	30.15	50	50	NE 5	6	2
Belmullet ...	30.22	52	48	WSW 1	60	*							

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

The reports for yesterday morning showed that pressure varied from 30.2 ins. and more in the west of Ireland, and from 29.4 ins. and more over central Russia to about 29.1 ins. in a depression lying over the northern extremity of the Gulf of Bothnia, and about 29.6 ins. in another disturbance over the Gulf of Genoa. Thus SE⁴ to SW⁴ winds prevailed over the eastern and central European countries, but the wind in our Islands varied from W (at the most northern stations) to NW and N over England and Ireland, while that over the Bay of Biscay and west of France was NE⁴. Temperature was still low over western and northwestern Europe, but higher over Germany and western Russia. The readings at 8 am varied from about 68° over the southern shores of the Mediterranean and from upwards of 50° both off our southwestern coast and in southern Russia to rather below the freezing point in Lapland and central Ireland, and to considerably below 40° over the central parts both of England and France. The highest individual values reported were 68° at Aran, Spain and Constantinople, 64° at Palermo, 63° at Brindisi, 62° at Barcelona, 60° at Cagliari, 58° at Odessa, 53° at Scilly; the lowest were 30° at Parsonstown, 31° at Bodo, 34° at Loughborough, 36° at Oxford, 37° at Paris, London and Nantes. Little change occurred over western Europe later.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 7TH TO THE 13TH OCTOBER 1899.

The weather of this week was fair as a whole over Ireland and England, but less settled in the north and east of Scotland, where disturbances appeared towards the end of the week. The distribution of pressure was partly cyclonic, partly anticyclonic, and the gradients were as a whole favourable for NW⁴ and N⁴ winds. Temperature has been low, and night frosts on the grass frequent. On Thursday a large depression advanced eastwards towards Norway, and the secondary disturbances which accompanied it caused fresh NW⁴ gales in the north and east of Scotland, accompanied by cold showers, and strong squally breezes and showers were felt from the same quarter on the northeast and east coast of England, but in the west and southwest the weather was less disturbed. At the close of the week the wind was N⁴ and still blew strongly in places, especially over the North Sea, but the barometer was rising, and the general appearance improving though temperature was rather low and inclined to fall.

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, 16th October

1888.

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

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. 0 to 9.	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.38	31	Z	0	bc	29.45	+ .15	29	28	- 2	NW	2	c	*	37	2	-	
	Hernösand ...	29.52	36	NW	6	bc	29.73	+ .30	38	35	+ .4	NW	4	bc	*	39	28	-	
	Stockholm ...	29.69	39	WNW	4	b	29.84	+ .25	34	30	- 3	NW	4	b	*	46	30	0.04	
	Wisby ...	29.74	46	S	4	bc	29.91	+ .18	40	36	- 3	NW	6	b	*	50	36	0.08	
	Bodö ...	29.47	37	E	2	m	29.73	+ .44	40	36	+ 6	WNW	4	bc	2	?	30	0.16	
	Christiansund...	29.88	38	WNW	8	r	30.06	+ .44	38	35	0	W	7	c	6	?	34	0.16	
	Skudesnaes ...	30.08	41	NW	7	0	30.25	+ .43	39	37	- 6	WNW	2	0	3	45	?	-	
	Christiania Fjord (Færdor)	29.76	44	WNW	5	b	30.06	+ .30	39	34	- 5	WNW	3	b	2	50	37	-	
	Skagen (The Seaw)	29.88	46	NW	2	c	30.10	+ .50	42	36	- 7	N	2	bc	2	52	41	-	
	Fanö ...	30.09	47	NW	6	c	30.23	+ .33	45	42	- 5	NW	4	c	*	54	45	-	
BRITISH ISLANDS.	Sumburgh Head	30.16	38	Z	0	0	30.23	+ .23	39	37	- 2	Z	0	0	2	43	35	-	
	Stornoway ...	30.17	54	SW	3	0	30.18	+ .07	50	50	+ 1	W	3	r	3	55	47	0.10	
	Wick ...	30.18	46	Z	0	r	30.27	+ .18	50	49	+ 2	Z	0	r	0	51	45	0.35	
	Nairn ...	30.21	53	W	1	c	30.22	+ .11	51	50	0	SW	1	c	1	56	50	-	
	Aberdeen...	30.22	51	Z	0	op	30.25	+ .11	49	49	- 2	W	1	opm	1	56	47	0.05	
	Leith ...	30.25	52	W	2	c	30.27	+ .09	51	49	- 1	W	2	cw	*	58	48	-	
	Shields ...	30.24	53	W	3	c	30.29	+ .10	49	47	- 1	WSW	1	0	2	58	47	-	
	Spurn Head ...	30.27	51	WSW	2	bc	30.31	+ .11	45	44	- 1	WSW	2	bc	3	54	43	-	
	York ...	30.30	50	W	1	bc	30.33	+ .09	41	41	- 1	W	1	f	*	59	39	-	
	Loughborough	30.33	47	W	1	bc	30.38	+ .05	34	33	- 10	Z	0	opm	*	57	30	-	
GERMANY.	Ardrossan ...	30.28	53	W	2	d	30.28	+ .05	51	49	- 1	SW	2	0	2	54	49	-	
	Malin Head ...	30.27	51	W	3	0	30.26	0.00	47	46	- 1	SW	3	0	3	55	46	-	
	Mullaghmore ...	30.31	49	SSW	1	c	30.27	- .04	49	46	+ 1	SSW	2	om	2	55	44	-	
	Belmullet ...	30.30	52	SW	2	0	30.26	- .06	48	47	- 2	SSW	3	ad	*	58	46	0.03	
	Donaghadee ...	30.35	50	W	3	bc	30.32	+ .02	43	43	0	W	2	f	0	55	40	-	
	Barrow-in-Furness	30.31	52	NW	3	0	30.31	+ .05	50	48	0	SW	3	0	*	54	49	-	
	Liverpool (Bidston)	30.34	47	WNW	2	b	30.35	+ .04	43	40	- 6	S	1	om	2	53	43	-	
	Holyhead ...	30.35	47	SSW	1	b	30.34	+ .01	50	48	+ 1	SW	1	om	1	55	43	-	
	Parsonstown ...	30.34	46	Z	0	0	30.32	- .04	45	44	+ 1	SE	1	0	*	56	30	-	
	Valencia ...	30.32	53	SE	2	om	30.28	- .08	54	52	+ 6	?SE	2	egm	3	56	47	-	
FRANCE & NETHERLANDS.	Roche's Point...	30.36	52	SSW	3	c	30.32	- .05	54	52	+ 12	SSW	3	0	3	56	42	-	
	Pembroke ...	30.36	50	W	1	b	30.33	- .03	52	49	+ 6	S	3	og	3	54	44	-	
	Scilly ...	30.34	51	SSW	1	b	30.32	- .02	53	49	+ 1	S	3	0	3	56	47	-	
	Prawle Point ...	30.39	49	Z	0	b	30.38	- .01	51	48	+ 2	E	1	og	1	58	46	-	
	Jersey ...	30.39	49	WNW	1	b m	30.41	+ .03	43	42	+ 4	WNW	2	cw	2	59	38	-	
	Hurst Castle ...	30.38	47	NW	1	m	30.39	+ .01	43	42	+ 2	ENE	1	f	0	57	38	-	
	Dungeness ...	30.34	48	E	2	c	30.33	+ .08	49	46	+ 16	NW	1	m	1	53	32	-	
	London ...	30.36	42	W	1	bf	30.39	+ .05	38	38	+ 2	Z	0	f	*	58	33	-	
	Oxford ...	30.39	41	Z	0	b	30.40	+ .03	34	34	+ 1	Z	0	0	*	54	33	-	
	Cambridge ...	30.33	48	W	1	b	30.39	+ .07	40	40	- 3	SW	1	0	*	58	33	-	
PENINSULA.	Yarmouth ...	30.31	50	WNW	1	bc m	30.35	+ .12	43	42	+ 4	W	2	bcf	2	53	38	-	
	Cuxhaven ...	30.14	46	NW	5	r	30.33	+ .28	50	49	0	SW	4	c	*	52	45	0.08	
	Berlin ...	30.10	49	WNW	4	r	30.25	+ .19	46	43	+ 5	WNW	4	0	*	50	?	-	
	Wiesbaden ...	*	*	*	*	*	30.41	+ .15	46	45	+ 1	WNW	2	0	*	50	45	-	
	Munich ...	30.37	37	W	1	m	30.42	+ .14	34	33	- 2	SW	1	b	*	43	30	-	
	The Helder ...	30.28	51	WNW	3	c	30.33	+ .16	51	50	+ 1	W	1	c	1	52	50	-	
	Brussels ...	*	*	*	*	*	30.42	+ .08	47	46	+ 2	WSW	1	c	*	53	?	-	
	Cape Gris Nez...	30.35	?	WNW	4	0	30.39	+ .12	48	45	+ 2	S	1	0	2	52	45	-	
	Paris ...	30.38	?	SSW	1	b	30.43	+ .08	31	31	- 3	NE	1	0	*	54	31	-	
	Brest ...	30.38	51	SSW	1	b	30.39	+ .01	48	44	+ 2	WSW	4	0	3	59	39	-	
PENINSULA.	Lorient ...	30.38	51	SE	1	b	30.36	+ .02	46	44	+ 4	E	4	bc	2	57	41	-	
	Rochefort ...	30.38	52	E	4	b	30.35	0.00	43	41	0	E	7	c	2	63	37	-	
	Belfort ...	30.26	42	NE	1	b	30.35	+ .02	39	38	+ 5	NE	1	b	*	49	31	-	
	Lyons ...	30.29	44	NW	5	b	30.35	+ .13	37	35	0	N	3	b	*	51	35	-	
	Nice ...	30.02	54	WSW	4	b	30.13	+ .26	48	38	- 3	NE	7	b	1	64	45	-	
	Perpignan ...	30.14	55	NW	5	b	30.22	+ .13	43	41	?	SE	1	b	*	61	41	-	
	Biarritz ...	30.26	54	E	3	b	30.28	+ .02	42	39	0	SSW	1	bc	1	57	39	-	
	Corunna ...	*	*	*	*	*	30.18	+ .12	59	54	+ 2	NE	5	bc	2	78	57	-	
	Lisbon ...	30.08	68	NW	4	bc	30.18	+ .12	59	54	+ 2	NE	5	bc	2	78	57	-	

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on Tuesday, 16th October.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

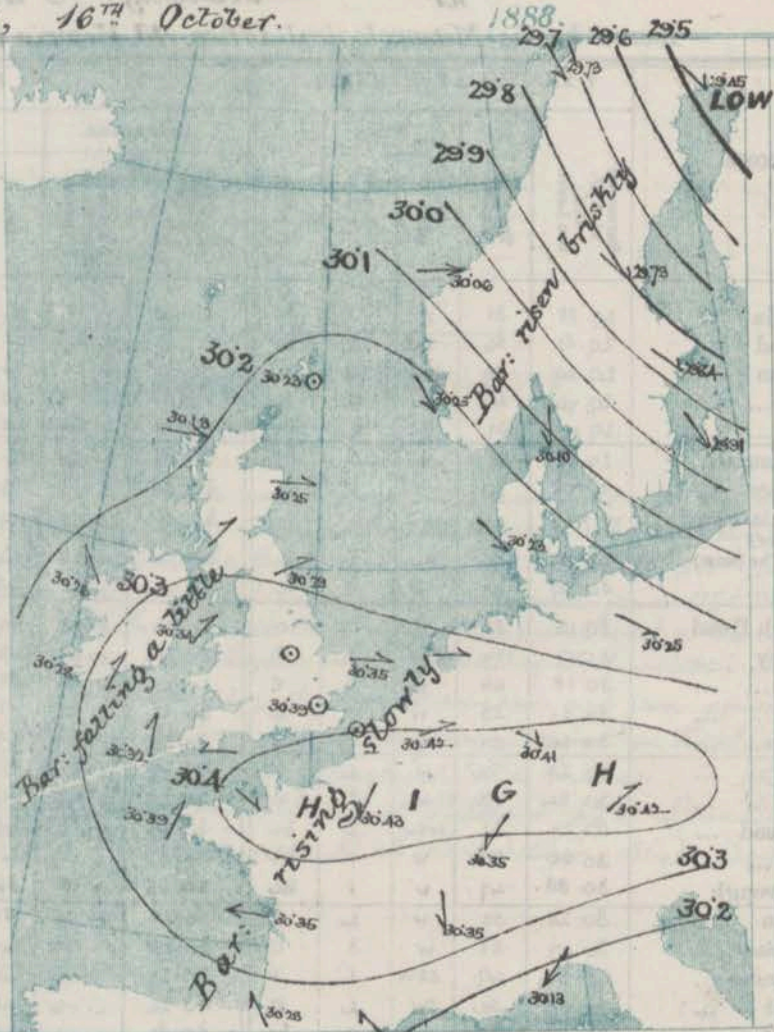
Sea Disturbance — where considerable is shown thus:

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS
Sumburgh Head	29.708
Stornoway	29.785
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.818
Donaghadee	29.832
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.878
Roche's Point	29.870
Pembroke	29.868
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.886



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.

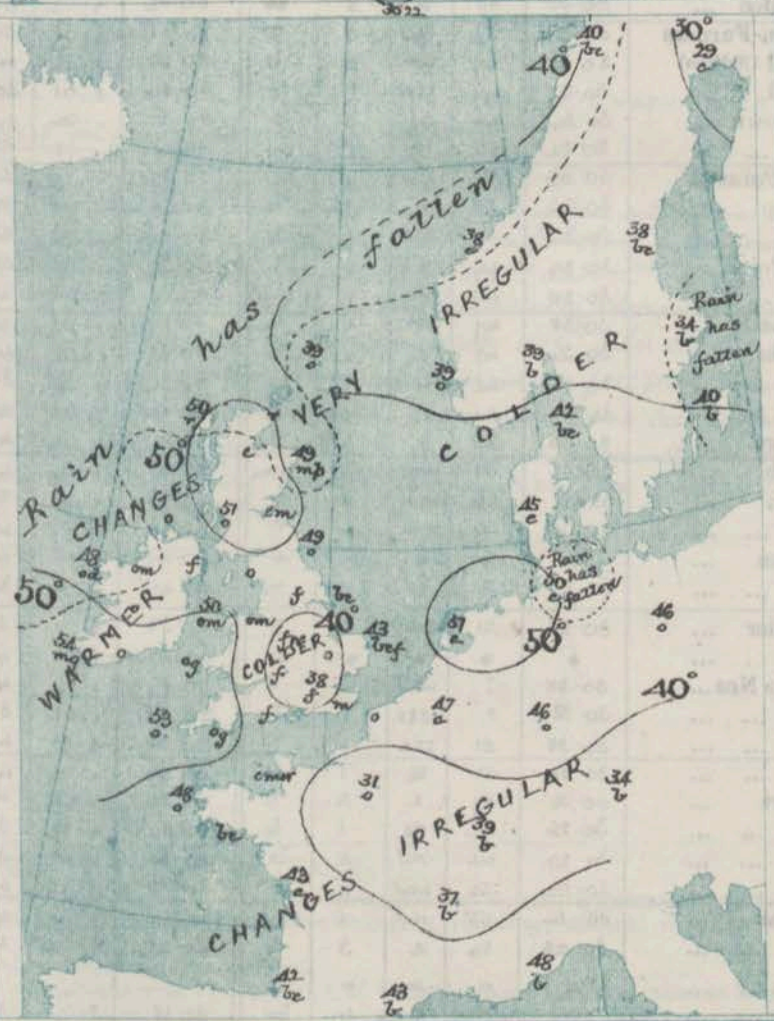
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

For the month of October.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 3 a.m.		
			Dry	Wet.	
Sumburgh Head	49.7	41.6	46.0	44.3	4.33
Stornoway	50.5	39.5	45.3	44.1	4.94
Wick	51.6	40.1	46.1	44.3	2.94
Nairn	51.6	40.0	44.5	42.5	2.38
Aberdeen	52.3	41.0	45.5	43.5	2.88
Leith	54.7	41.5	46.5	44.7	1.94
Shields	53.0	42.8	47.1	45.3	2.46
York	54.8	41.0	45.9	44.5	2.64
Loughborough	55.3	41.4	46.4	45.0	2.98
Ardrossan	53.5	43.8	47.6	45.6	4.31
Donaghadee	53.2	43.3	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.6	44.6	47.8	45.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.3	49.1	6.09
Roche's Point	55.8	45.9	50.2	48.4	4.17
Pembroke	54.8	48.0	51.2	49.1	4.18
Scilly	56.6	50.3	53.8	51.7	3.84
Jersey	58.1	43.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.25
LONDON	56.6	43.2	48.0	46.4	2.74
Oxford	55.3	42.5	46.7	45.3	2.72
Cambridge	56.4	41.2	46.4	45.4	2.36
Yarmouth	54.3	44.8	49.2	47.9	2.97

NOTE — The Temperature means are for the 16 years 1871—85, the Rainfall means are mainly those for the 30 years 1866—85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 ins. and upwards, in a narrow band, extending from the Channel Islands to South Germany.
Lowest, 29.5 ins. and less, over Lapland.

Gradient moderate over Scandinavia, but slight elsewhere. Barometer falling a little in the west of our Islands, but rising elsewhere.

TEMPERATURE

Highest, 55° at Lisbon, 54° at Valencia and Reikiavik, 53° at Scilly, 52° at Hambro, and 51° at Kain, both, Anderson and Brandeburg.
Lowest, 23° at Haparanda, 31° at Paris, 34° at Stockholm, Loughborough, Oxford, and Munich, 37° at Lyons, and 38° at Harwich and in London.

Frost again occurred last night in some parts of Central England.

WIND

NE^{ly} over Central France, E^{ly} over the Bay of Biscay; SE^{ly} or S^{ly} in the west of our Islands.

W^{ly} or SW^{ly} in the east of Great Britain; NW^{ly} in Scandinavia and Denmark.

Light or moderate in force generally, and calm over Central England.

WEATHER

Bull in the west of our Islands, foggy over England, rainy in the north of Scotland.

Fine at most of the Continental stations.

In the course of the past 24 hours solar or lunar halos have been seen in many parts of the United Kingdom.

SEA

Slight or smooth generally, but rough at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone noticed yesterday over Ireland, England and France is now moving slowly eastwards. The S^{ly} winds on our western coasts are likely to freshen somewhat, with rain in Ireland, but at our eastern stations no change is anticipated at present.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SW ^{ly} winds, light to fresh; cloudy, some rain.
1	SCOTLAND EAST	W ^{ly} and SW ^{ly} winds, light; fair generally, but some mist or fog.
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	Light variable airs; fair generally, but local fogs at night.
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	SW ^{ly} and S ^{ly} winds, light or moderate; cloudy, some rain.
7	ENGLAND N.W.	
8	ENGLAND S.W.	SE ^{ly} and S ^{ly} winds, moderate; cloudy generally.
9	IRELAND NORTH	
10	IRELAND SOUTH	S ^{ly} wind, freshening; dull, some rain.

WARNINGS

NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnes ...	29.98	42	40	NW 7	0	5	Holyhead ...	30.35	52	49	WNW 1	6	1
Samburgh Head ...	30.12	42	38	WNW 2	0	3	Valencia ...	30.34	56	50	SSE 3	6c	3
Stornoway ...	30.16	54	52	W 3	0	3	Scilly ...	30.35	54	48	ESE 2	6	3
Aberdeen ...	30.18	56	51	WNW 2	0	1	Jersey ...	30.39	56	49	NW 2	6	2
Shields ...	30.22	56	51	W 4	0	3	Dungeness ...	30.33	51	46	WNW 3	c	2
Ardrossan ...	30.26	54	52	W 2	0	2	London ...	30.35	51	47	WNW 2	cm	2
Malin Head ...	30.27	53	50	W 3	0	3	Yarmouth ...	30.27	53	49	WNW 3	6c	2
Mullaghmore ...	30.32	53	49	SSW 2	0	2	Rochefort ...	30.38	59	54	E 4	6	2
Belmullet ...	30.32	54	49	WSW 2	6	*							

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

The reports for yesterday morning showed that pressure then varied from 30.3 in. and more over Ireland, the south of England, and northwest of France to 29.3 in. or less, in a depression which lay over Denmark and to 29.7 in. and less, in another low pressure area lying over Scandinavia, Italy, the Adriatic and Greece. Gradients were slight over the British Isles and France, steep over Scandinavia, and also over Switzerland and the southeast of France. The wind was NW² and W² over the British Isles and the greater part of Western and Central Europe, SW² over the Baltic and nearly S² over Finland. Over the Western Mediterranean and Algeria, however, it was mainly N² (NNE to NNW) but at Brindisi and Constantinople SSW². The weather was fine in our Islands (but foggy locally) and France, showery over the Baltic, Eastern and Central Europe; very heavy rain had fallen on the Algerian coast and in many parts of Italy. Temperature varied from 68° and more over some parts of the Mediterranean to less than 32° over Northern Europe and to less than 40° in many parts of France and South Germany. The highest individual values were 70° at Palma, 69° at Sfax (Tunis), 67° at Algiers and Malta, 64° at Brindisi, 63° at Constantinople, 62° at Barcelona, 61° at Sanguinari, 52° at Scilly, and 50° at Cuxhaven and Helder; the lowest were 31° at Haparanda, 33° at Uleaborg and Kussis, 34° at Hornsund and Bodø as well as at Paris and Reims, 36° at Moscow and 37° at Lyons.

Little change occurred later on.

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 17th OCTOBER 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 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 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 ..	29.56	31	NNW	4	c	29.82	+ .37	31	31	+ 2	NNW	6	b	*	39	28	—
	Hernösand ...	29.89	36	N	4	b	30.04	+ .31	33	29	— 5	N	2	b	*	45	32	—
	Stockholm ...	29.97	37	NNW	2	b	30.08	+ .19	34	31	0	NNW	4	b	*	43	30	—
	Wisby ...	30.04	42	NNW	6	b	30.05	+ .14	41	35	+ 1	N	4	bc	*	45	36	—
	Bodö ...																	
	Christiansund...																	
	Skudesnaes ...																	
	Christiana Fjord (Færd)	30.13	41	NNW	2	b	30.23	+ .15	39	34	0	NNW	3	b	1	45	37	—
	Skagen (The Scaw)	30.11	39	Z	0	c	30.24	+ .11	42	35	0	NE	2	b	1	45	36	—
	Fanö ...	30.24	45	WSW	2	c	30.20	— .03	42	42	— 3	ESE	3	c	*	50	42	0.05
BRITISH ISLANDS.	Sumburgh Head	30.23	42	NNE	1	o	30.28	+ .05	42	39	+ 3	ESE	1	c	2	43	35	0.01
	Stornoway ...	30.20	52	SW	3	o	30.17	— .01	51	49	+ 1	SW	3	o	3	54	48	0.04
	Wick ...	30.23	49	Z	0	d	30.25	— .02	49	49	— 1	S	2	o	1	52	44	0.12
	Nairn ...	30.23	52	Z	0	o	30.25	+ .03	42	40	— 9	Z	0	b	1	55	41	—
	Aberdeen...	30.25	50	NNW	1	q	30.19	+ .04	45	47	— 1	W	1	bc	2	54	47	0.04
	Leith ...	30.25	50	W	1	r	30.25	+ .01	40	40	— 11	Z	0	f	*	54	37	—
	Shields ...	30.27	51	W	2	c	30.25	— .01	46	45	— 3	WSW	2	cm	2	54	43	—
	Spurn Head ...	30.24	49	W	2	r	30.25	— .08	45	46	+ 3	WSW	1	m	3	51	44	0.02
	York ...	30.31	51	W	1	o	30.31	— .02	45	44	+ 4	NNW	1	o	*	55	40	—
	Loughborough	30.23	46	W	1	o	30.32	— .06	35	34	+ 1	ESE	1	f	*	50	33	—
GERMANY.	Ardrossan ...	30.26	50	SSW	2	o	30.27	— .01	47	46	— 4	ESE	1	of	1	53	44	—
	Malin Head ...	30.25	45	SSW	3	b	30.19	— .07	46	46	— 1	S	3	om	2	53	45	—
	Mullaghmore ...	30.25	52	Z	0	o	30.16	— .09	51	47	+ 2	SSE	4	o	2	56	45	—
	Belmullet ...	30.26	51	SSW	2	b	30.14	— .12	49	48	+ 1	SSE	2	o	*	55	46	—
	Donaghadee ...	30.24	48	SW	2	o	30.27	— .05	40	40	— 3	S	2	f	0	51	39	—
	Barrow-in-Furness	30.29	51	W	2	o	30.29	— .02	46	46	— 4	NE	1	om	*	53	46	—
	Liverpool (Bidston)	30.31	49	SSE	1	o	30.30	— .05	44	43	+ 1	SSE	1	bc	2	53	43	—
	Holyhead ...	30.30	52	SSW	1	o	30.27	— .07	49	48	— 1	SE	1	om	1	54	49	0.04
	Parsonstown ...	30.33	51	SE	1	o	30.22	— .19	45	45	+ 3	Z	0	o	*	51	41	—
	Valencia ...	30.27	55	S	1	o	30.15	— .13	56	54	+ 2	SE	4	rm	4	57	51	0.01
FRANCE & NETHERLANDS.	Roche's Point...	30.28	54	SSW	3	c	30.24	— .11	54	52	0	SSE	4	o	4	55	52	0.03
	Pembroke ...	30.30	53	S	3	c	30.27	— .06	49	49	— 3	NE	3	m	2	53	48	—
	Scilly ...	30.27	54	SE	2	o	30.24	— .08	54	50	+ 1	SE	2	cm	3	56	51	—
	Prawle Point ...	30.30	52	Z	0	o	30.30	— .08	51	50	0	NNE	1	o	1	53	45	—
	Jersey ...	30.33	52	S	2	c	30.29	— .12	47	45	+ 4	Z	0	bm	0	55	39	—
	Hurst Castle ...	30.26	52	ESE	1	m	30.30	— .09	43	43	0	N	1	m	0	54	40	—
	Dungeness ...	30.32	52	S	2	o	30.28	— .10	47	45	— 2	N	1	b	1	53	43	—
	London ...	30.35	47	Z	0	om	30.32	— .07	38	38	0	W	1	f	*	56	36	—
	Oxford ...	30.34	47	W	1	o	30.33	— .07	36	36	+ 2	Z	0	f	*	52	34	—
	Cambridge ...	30.34	48	SW	1	o	30.33	— .06	40	40	0	Z	0	o	*	54	37	—
PENIN-SULA.	Yarmouth ...	30.32	50	W	2	bc	30.29	— .06	46	45	+ 3	W	1	bf	2	53	41	—
	Cuxhaven ...	30.35	47	W	1	c	30.24	— .09	49	49	— 1	W	1	f	*	50	46	—
	Berlin ...	30.31	47	W	3	o	30.25	— .06	46	46	0	WSW	1	o	*	50	45	—
	Wiesbaden ...	*	*	*	*	*	30.28	— .13	46	45	0	Z	0	o	*	54	45	—
	Munich ...	30.25	47	NE	2	b	30.24	— .15	36	36	+ 2	E	2	f	*	48	30	—
	The Helder ...	30.30	50	W	1	c	30.26	— .07	50	49	— 1	W	1	bc	1	54	50	—
	Brussels ...	*	*	*	*	*	30.33	— .09	47	46	0	WSW	1	c	*	54	46	—
	Cape Gris Nez...	30.31	50	SSE	1	o	30.29	— .10	46	44	— 2	SSE	1	c	1	54	45	—
	Paris ...	30.35	45	NNE	1	o	30.25	— .15	42	41	+ 11	N	1	c	*	?	?	—
	Brest ...	30.26	51	NE	1	o	30.28	— .11	44	43	— 4	E	4	b	2	59	37	—

WEATHER CHARTS

for 8 a.m. on

WEDNESDAY, 17th October,

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

Sea Disturbance — where considerable is shown thus.

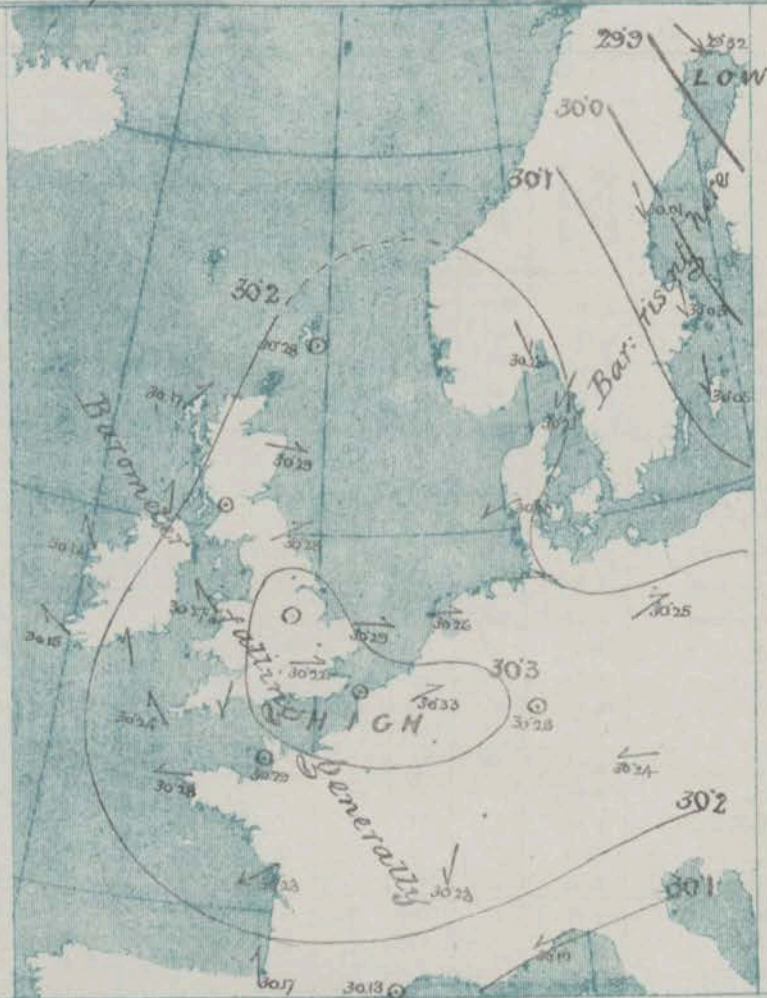
— = Rough; — = High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.708
Stornoway	29.735
Wick	29.745
Nairn	29.761
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TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

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

Weather — is shown by Letters of the Beaufort Scale.

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

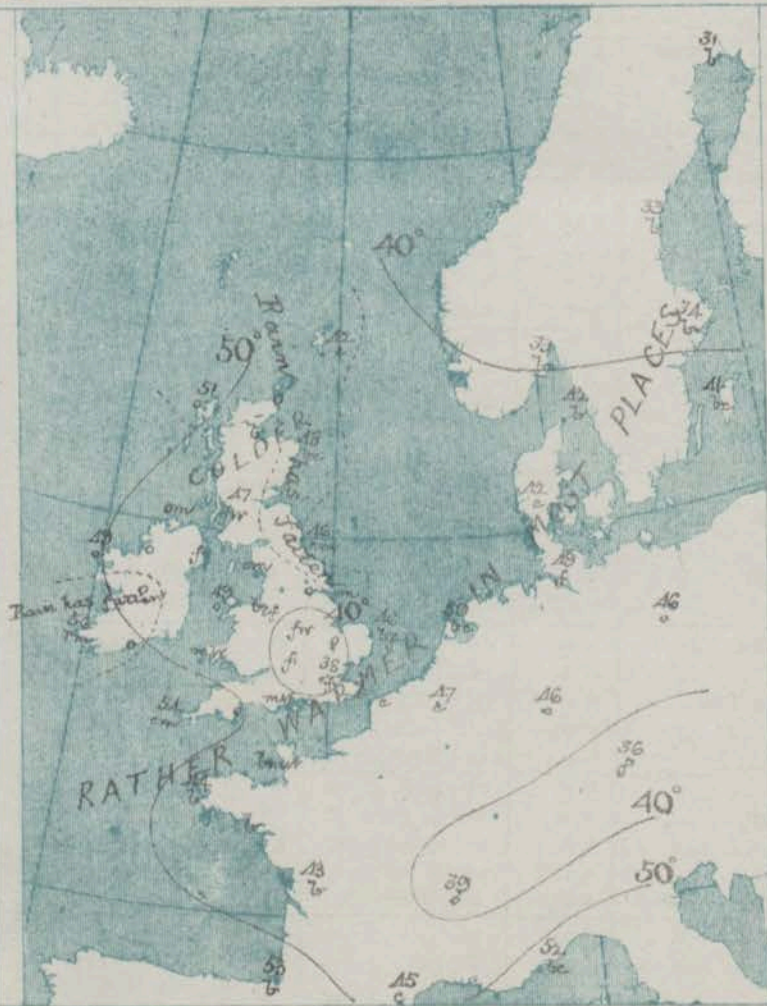
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of October.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.	49.7	41.6	46.0	44.8	4.33
Stornoway.	50.5	39.5	45.3	44.1	4.94
Wick.	51.6	40.1	46.1	44.3	2.94
Nairn.	51.6	40.6	44.5	42.5	2.38
Aberdeen.	52.3	41.0	45.5	43.5	2.88
Leith.	54.7	41.5	46.5	44.7	1.94
Shields.	53.0	42.8	47.1	45.4	2.46
York.	54.8	41.0	45.9	44.5	2.64
Loughborough.	55.3	41.4	46.4	45.0	2.98
Ardrossan.	53.5	43.6	47.6	45.6	4.31
Donaghadee.	53.2	43.3	47.7	46.5	3.35
Holyhead.	54.5	47.0	50.2	48.2	4.53
Liverpool.	53.6	44.6	47.8	45.8	3.62
Parsonstown.	54.7	41.1	46.4	44.7	3.27
Valencia.	56.6	46.5	51.3	49.1	6.09
Roche's Point.	55.8	45.9	50.2	48.4	4.17
Pembroke.	54.8	48.0	51.2	49.1	4.13
Scilly.	56.6	50.3	53.8	51.7	3.84
Jersey.	58.1	49.2	53.6	51.1	4.34
Hurst Castle.	57.1	46.0	51.4	49.6	3.24
Dover.	55.8	47.0	50.7	48.7	3.28
LONDON.	56.6	43.2	48.0	46.4	2.74
Oxford.	55.3	42.5	46.7	45.3	2.72
Cambridge.	56.4	41.2	46.4	45.4	2.36
Yarmouth.	54.3	44.8	49.2	47.9	2.97

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	<i>Highest 30.3 ins. and upwards over England, Belgium and the northeast of France. Lowest 29.9 ins. and less in the north of Sweden. The Norwegian reports have not yet arrived. Gradients slight. Barometer falling at all but the Scandinavian stations, — most in the west of Ireland.</i>
TEMPERATURE	<i>Highest 62° at Lisbon, 56° at Valencia, 54° at Roches Point and Scilly, 53° at Biarritz and 52° at Nice. Lowest 31° at Haparanda, 33° at Hernösand, 34° at Stockholm, 35° at Loughborough, and 36° at Oxford and Munich. Ground frost was experienced last night over the inland parts of England.</i>
WIND	<i>Moderate E. over the Bay of Biscay and S.E. in Ireland. Light from W. on our east coast, and also in the Netherlands and North Germany. Moderate N. in Sweden; calm over central England.</i>
WEATHER	<i>Dull on our western and extreme northern coasts, as well as in Germany, with rain at Valencia. Foggy over central England and the south of Scotland; fair in most other localities. Light rain fell yesterday at some of our western and northern stations.</i>
SEA	<i>Moderate off the south of Ireland, but slight or smooth elsewhere.</i>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large anticyclonic system recently noticed over our Islands appears to be gradually breaking up. Freshening S.E. winds are probable on our extreme western coasts, but no other change is indicated at present.

FORECASTS

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

DISTRICTS.

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

FORECASTS.

S. winds, light to fresh; dull, some rain.
SW. to S. winds, light or moderate; fair generally.
Variable or S.E. winds; fair generally, but some fog or mist.

DISTRICTS.



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

FORECASTS.

SE. winds, light or moderate; dull, some rain.
SE. winds, light to fresh; cloudy rain locally.
SE. and S. winds, freshening considerably; dull, some rain.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		
Skudesnaes ...	30.26	43	39	NNE	1	0	3	Holyhead ...	30.30	53	49	SW	1	r	1
Sumburgh Head ...	30.22	42	41	Z	0	r	1	Valencia ...	30.26	57	54	SSE	2	cm	3
Stornoway ...	30.20	53	51	W	3	0	3	Scilly ...	30.24	56	52	SSE	4	0	4
Aberdeen ...	30.23	51	50	E	1	ogp	1	Jersey ...	30.30	54	49	SSW	2	c	2
Shields ...	30.25	53	49	WSW	1	0	2	Dungeness ...	30.35	53	49	Z	0	c	0
Ardrossan ...	30.25	52	49	SSW	1	0	2	London ...	30.35	53	50	Z	0	cm	*
Malin Head ...	30.25	52	49	SW	1	0	2	Yarmouth ...	30.35	53	50	W	2	bm	2
Mullaghmore ...	30.26	54	50	ESE	2	c	2	Rochefort ...	30.32	54	53	E	7	0	2
Belmullet ...	30.24	53	51	S	2	0	*								

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

The reports for yesterday morning showed that the area of high pressure recently prevailing over our Islands and their neighbourhood was moving southwards, its central area being found over the north of France, Belgium and western Germany. Its northern parts still spread over the whole of the United-Kingdom and while the barometer still rose slowly in most places, it was beginning to fall a little in the west. Over Finland and Lapland there still lay a large depression, with readings below 29.5 ins, and over the Mediterranean another with minimum readings rather below 29.9 ins. Thus while W. and SW. winds and somewhat unsettled weather prevailed over the Baltic coast, SW. and S. airs and calms, with cold foggy weather were experienced over the British Islands, and N. airs and fine bright weather over the southern parts of England. In Italy the weather showed some improvement, but a great deal of rain had again fallen at many stations, both in that country, Algeria and southern Russia. Temperature was low all over western and central Europe. The readings varied from 65° and more, over the southern parts of the Mediterranean, and from a little above 50° on our own southwestern coasts, to less than the freezing point in some parts of France, as well as over the extreme north of Europe. The highest individual values were 69° at Malta, 66° at Sfax (Tunis) 64° at Rhindisi, 63° at Palma, 62° at Larouna, 59° at Lisbon, 52° to 54° at our own southwestern stations, and 50° to 51° in the north of Scotland. The lowest were 29° at Haparanda, 31° at Paris, 32° at Uleaborg, 34° at Kuopio, Stockholm, Munich and Kieff. Later in the day there was some further encroachment of the S. wind on our west coasts, but over England the night was again cold, fine, and in several places foggy.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Orford, 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, 18th October 1888.*
 Issued by the Meteorological Office, 116, Victoria Street, London. R.H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETR.		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 ..	29.96	28	N	6	b	30.07	+ .25	29	29	- .2	2	6	c	*	34	28	-	
	Hernösand ...	30.18	32	2	0	b	30.29	+ .25	33	30	0	2	6	c	*	43	30	-	
	Stockholm ...	30.16	34	2	0	0	30.21	+ .18	31	29	- .3	2	4	s	*	41	28	-	
	Wisby ...	30.14	41	NE	4	b	30.16	+ .11	39	35	- .2	NNE	6	bc	*	45	34	-	
	Bodö ...																		
SCANDINAVIA.	Christiansund...																		
	Skudesnaes ...	30.33	36	2	0	b	30.34	+ .07	37	35	+ .2	ENE	2	b	2	48	34	-	
	Christiania Fjord (Fjord)	30.31	43	NNW	2	b	30.36	+ .15	39	34	0	NNW	4	b	1	45	34	-	
	Skagen (The Scaw)	30.26	42	NNE	1	b	30.37	+ .16	40	36	- .2	NE	1	0	1	45	36	-	
	Fanö ...	30.33	38	E	1	b	30.37	+ .17	38	36	- .4	SE	1	b	*	46	36	-	
BRITISH ISLANDS.	Sumburgh Head	30.26	44	SE	3	r	30.19	- .09	47	47	+ .5	SE	3	r	4	47	42	0.03	
	Stornoway ...	30.12	52	SW	5	0	30.02	- .15	52	50	+ .1	S	5	0	4	55	49	-	
	Wick ...	30.20	50	S	3	0	30.13	- .12	49	47	0	S	5	0	3	52	45	-	
	Nairn ...	30.18	50	2	0	c	30.13	- .12	47	45	+ .5	SSE	1	bm	1	54	42	-	
	Aberdeen...	30.24	49	SSE	2	og	30.23	- .06	49	47	+ .1	SSE	3	omg	3	53	48	-	
	Leith ...	30.25	46	SE	1	c	30.20	- .08	44	43	+ .4	SE	1	om	*	53	39	0.01	
	Shields ...	30.24	49	E	1	0	30.24	- .04	47	45	+ .1	2	0	om	3	53	43	-	
	Spurn Head ...	30.25	49	ENE	2	b	30.26	- .02	46	45	- .2	S	1	f	3	54	41	0.01	
	York ...	30.28	50	2	0	0	30.26	- .05	42	42	- .3	E	1	f	*	54	41	-	
	Loughborough	30.28	44	2	0	m	30.28	- .04	35	35	0	ENE	1	f	*	57	32	-	
BRITISH ISLANDS.	Ardrossan ...	30.22	50	2	0	om	30.16	- .11	47	45	0	ENE	3	ofw	2	54	44	-	
	Malin Head ...	30.09	52	SSE	4	bcm	30.03	- .16	51	50	+ .5	S	5	om	3	54	46	-	
	Mullaghmore ...	30.10	53	SE	4	org	30.02	- .16	53	50	+ .2	SE	5	og	4	55	50	0.22	
	Belmullet ...	30.05	52	SSE	3	0	29.96	- .18	52	49	+ .3	SSE	3	0	*	54	49	0.30	
	Donaghadee ...	30.22	53	S	2	0	30.17	- .10	53	52	+ .13	S	3	0	1	55	40	-	
	Barrow-in-Furness	30.23	51	NE	2	0	30.21	- .08	48	46	+ .2	ESE	5	om	*	54	46	-	
	Liverpool (Bidston)	30.25	50	SE	1	b	30.22	- .08	45	44	+ .1	SE	2	0	3	55	43	-	
	Holyhead ...	30.23	50	2	0	om	30.16	- .11	51	49	+ .2	SSE	2	0	2	55	48	-	
	Parsonstown ...	30.15	52	SSE	2	0	30.05	- .17	51	48	+ .3	SE	1	0	*	52	43	0.02	
	Valencia ...	30.06	56	SE	5	om	29.93	- .22	54	54	+ .1	SE	6	om	6	57	53	0.12	
GERMANY.	Roche's Point...	30.14	55	S	5	0	30.01	- .20	55	53	+ .1	S	5	0	4	56	53	-	
	Pembroke ...	30.21	52	SE	3	c	30.11	- .16	54	52	+ .5	SE	5	bc	3	58	48	-	
	Soilly ...	30.16	54	SE	5	bc	30.06	- .18	55	52	+ .1	ESE	5	om	4	57	52	-	
	Prawle Point ...	30.24	53	E	4	c	30.18	- .12	54	51	+ .3	ESE	4	bc	2	57	49	-	
	Jersey ...	30.23	55	E	3	b	30.20	- .09	52	49	+ .5	ESE	4	bmw	3	59	45	-	
	Hurst Castle ...	30.26	50	ENE	2	bm	30.23	- .07	52	51	+ .9	E	2	m	0	57	43	0.01	
	Dungeness ...	30.24	52	ENE	1	b	30.25	- .03	53	50	+ .6	ESE	3	m	1	57	46	-	
	London ...	30.29	45	2	0	f	30.28	- .04	40	40	+ .2	2	0	f	*	57	38	-	
	Oxford ...	30.29	42	2	0	0	30.28	- .05	40	40	+ .4	2	0	f	*	57	34	-	
	Cambridge ...	30.29	46	2	0	0	30.29	- .04	37	37	- .3	N	1	om	*	58	31	-	
FRANCE & NETHERLANDS.	Yarmouth ...	30.28	50	2	0	b	30.29	- .00	46	45	0	2	0	f	2	52	39	-	
	Cuxhaven ...	30.29	44	N	3	b	30.39	+ .15	43	41	- .6	ESE	2	b	*	51	41	-	
	Berlin ...	30.23	48	NNE	1	0	30.33	+ .08	40	37	- .6	NNW	1	c	*	52	37	0.16	
	Wiesbaden ...	*	*	*	*	*	30.26	- .02	48	46	+ .2	2	0	c	*	55	43	-	
	Munich ...	30.24	43	NNE	1	0	30.25	+ .01	41	40	+ .5	NE	3	0	*	46	?	-	
	The Helder ...	30.30	50	NNE	1	bc	30.31	+ .05	48	46	- .2	GSE	1	c	1	54	48	-	
	Brussels ...	*	*	*	*	*	30.31	- .02	43	43	- .4	ENE	1	f	*	55	42	-	
	Cape Gris Nez...	30.24	48	E	3	b	30.26	- .03	46	46	0	SE	3	m	1	57	?	-	
	Paris ...	30.26	47	NE	1	b	30.25	- .03	38	38	- .4	NE	1	b	*	60	38	-	
	Brest ...	30.24	56	S	3	b	30.11	- .17	51	48	+ .7	SE	5	0	4	61	39	-	
FRANCE & NETHERLANDS.	Lorient ...	30.20	53	SE	1	b	30.12	- .13	48	46	+ .2	E	5	c	5	59	45	-	
	Rochefort ...	30.21	56	ENE	4	b	30.15	- .08	45	44	+ .2	ENE	5	bc	2	68	41	-	
	Belfort ...	30.09	43	N	1	b	30.16	- .05	49	47	?	E	3	b	*	52	38	-	
	Lyons ...	30.17	46	NNW	3	b	30.17	- .06	37	36	- .2	SE	3	b	*	55	36	-	
	Nice ...	30.03	53	N	3	b	29.96	- .14	51	48	- .1	ENE	3	b	1	64	46	-	
	Perpignan ...	30.06	51	SE	3	b	30.03	- .10	45	43	0	SW	1	b	*	73	43	-	
	Biarritz ...	30.13	58	N	1	0	30.06	- .11	50	48	- .3	ESE	4	c	1	64	48	-	
	Corunna ...	*	*	*	*	*													
	Lisbon ...	30.12	68	2	0	0	29.99	- .16	65	62	+ .3	NNE	1	0	5	73	?	-	
	PENINSULA.																		

WEATHER CHARTS

for 8 a.m. on Thursday, 18th October, 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

Barometer — Isotherms 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.

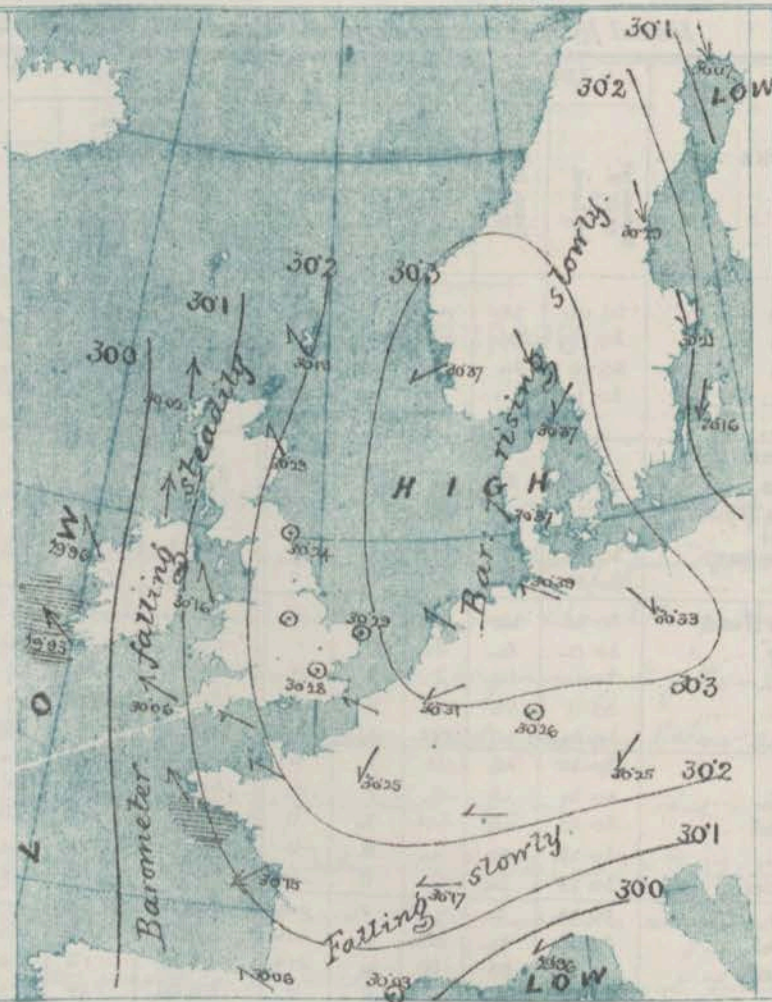
Sea Disturbance — where considerable is shown thus.

— = Rough — = High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS
Sumburgh Head	29.708
Stornoway	29.735
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.813
Donaghadee	29.832
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roche's Point	29.870
Pembroke	29.868
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.886



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.

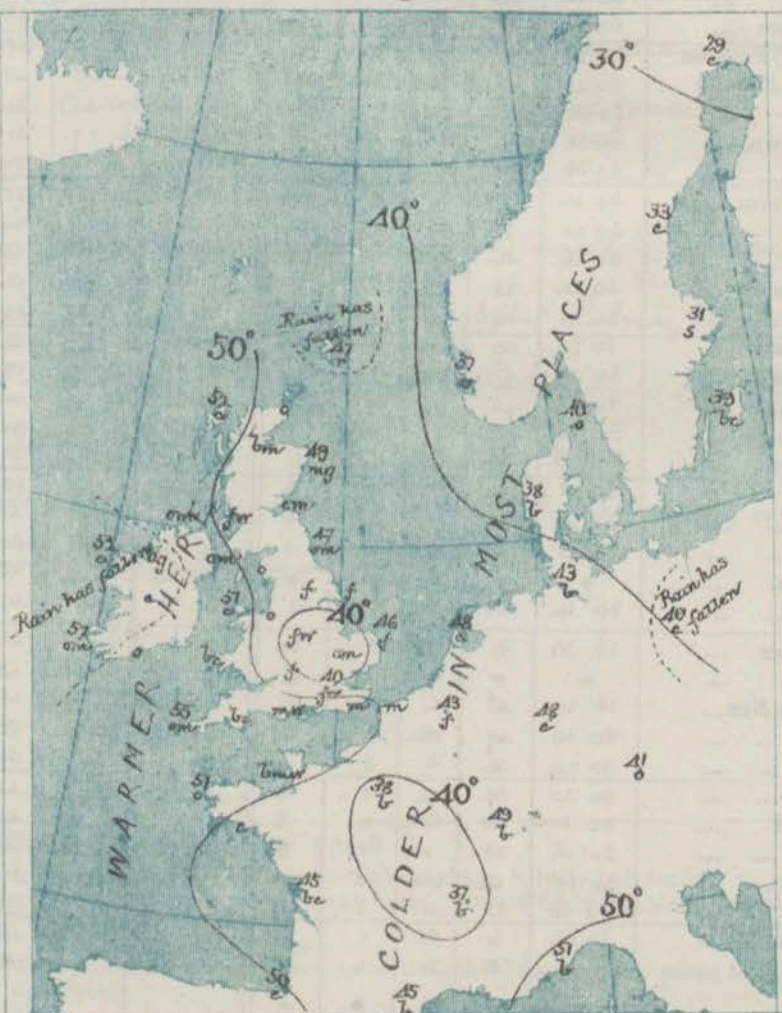
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.
for the month of October.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet.	
Sumburgh Head	49.7	41.6	46.0	44.3	4.33
Stornoway	50.5	39.5	45.3	44.1	4.94
Wick	51.6	40.1	46.1	44.3	2.94
Nairn	51.6	40.6	44.5	42.5	2.38
Aberdeen	52.3	41.0	45.5	43.5	2.88
Leith	54.7	41.6	46.5	44.7	1.94
Shields	53.0	42.8	47.1	45.4	2.46
York	54.8	41.0	45.9	44.5	2.64
Loughborough	55.3	41.4	46.4	45.0	2.98
Ardrossan	53.5	43.6	47.6	45.6	4.31
Donaghadee	53.2	43.3	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.6	44.6	47.8	45.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.3	49.1	6.09
Roche's Point	55.8	45.9	50.2	48.4	4.17
Pembroke	54.8	48.0	51.2	49.1	4.13
Scilly	56.6	50.3	53.8	51.7	3.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.25
LONDON	56.6	43.2	48.0	46.4	2.74
Oxford	55.3	42.5	46.7	45.3	2.72
Cambridge	56.4	41.2	46.4	45.4	2.86
Yarmouth	54.3	44.8	49.2	47.0	2.97

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.3 in. and upwards over Denmark, North Germany, the Netherlands, the south of Norway and the eastern portions of the North Sea.
Lowest 30.0 in. and less in a large area extending northwards from Portugal to the west of Ireland.
Gradients moderate over our extreme west coasts, but slight elsewhere. Barometer falling steadily in our islands and France, but rising elsewhere.

TEMPERATURE

Highest 65° at Lisbon, 57° at Valencia, 55° at Roche's Point and Scilly and 54° at Pembroke and Brawle Point.
Lowest 29° at Haparanda, 32° at Stockholm, 33° at Helsingfors, 35° at Loughborough, and 37° at Skutumpah, Cambridge and Lyons.
Frost again occurred last night over the central parts of England.

WIND

Fresh from E. over the Bay of Biscay, from SE. on our west coasts, and from S. in the extreme north.
Light and variable over eastern and central England, and also in Germany.
Strong from the N.W. in Sweden.

WEATHER

Dull in the west and extreme north of our islands with rain at Lumburg Head.
Foggy over eastern and central England, fine at most of the continental stations, but snow reported at Stockholm.
Rain fell yesterday in the west and south of Ireland.

SEA

Rough at Valencia and moderate on our western and extreme north coasts generally, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone continues to move away in an easterly direction, and depressions are travelling northwards outside our western coasts.

The SE. winds in the west will probably extend shortly to our eastern stations, and the fog is therefore likely to clear, with some increase of temperature.

FORECASTS

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

DISTRICTS.

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

FORECASTS.

SE⁴ winds, moderate or fresh; cloudy, some rain.

SE⁴ or E⁴ winds, light or moderate; fair, mild.

DISTRICTS.

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

FORECASTS.

SE⁴ winds, moderate or fresh; cloudy, some rain.

SE⁴ winds, fresh or strong; fair generally, but slight rain locally.

SE⁴ or S⁴ winds, strong; dull, some rain.

WARNINGS

NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	?	48	40	17E 2	6	2	Holyhead ...	30.25	54	51	? E 2	c	2
Samburgh Head ...	30.29	44	42	ESE 2	0	3	Valencia ...	30.10	56	54	SE 6	ogm	5
Stornoway ...	30.17	53	50	SW 4	c	3	Scilly ...	30.19	55	52	SE 5	a	4
Aberdeen ...	30.29	51	49	SE 2	0	2	Jersey ...	30.26	58	52	E 3	b	3
Shields ...	30.28	51	49	E 1	bcm	2	Dungeness ...	30.23	56	50	ESE 2	b	1
Ardrossan ...	30.25	54	52	W 0	0	0	London ...	30.31	56	56	Z 0	bm	*
Malin Head ...	30.16	63	51	SSE 4	0	3	Yarmouth ...	30.29	52	50	Z 0	bm	2
Mullaghmore ...	30.14	55	51	SE 4	og	2	Rochefort ...	30.23	64	56	ESE 4	b	2
Belmullet ...	30.09	52	51	SSE 4	r	*							

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

The reports for yesterday morning showed that pressure varied from between 30.20 ins. and 30.33 ins. in a large anticyclonic area which covered the whole of the British Islands and France, to rather below 29.4 ins. in a depression the centre of which lay over the White Sea, to rather below 29.9 ins. in another depression lying over Sicily, and to about 30.1 ins. off the west of Ireland and the southwest of Spain. Thus while calms and foggy (but otherwise fine) weather prevailed over a great part of the British Islands, strong N^W to NW^W breezes, with cloudy and rather unsettled showery weather were felt over the Baltic, NE^W breezes and fair cold weather over the southern half of France, and variable cyclonic breezes, with rather showery weather on the southern and southeastern shores of the Mediterranean. Temperature showed a slight tendency to increase in most places, and ranged from 65° at Brindisi, (the Malta observations are not to hand) 64° at La Calle (Algeria), 60° at Barcelona and Sanguinaires, 59° at Cagliari, 56° at Valencia (Ireland), 54° at Scilly, and 51° at Stornoway, to 28° at Limoges, 31° at Haparanda, 33° at Hernösand and Uleaborg, 34° at Kuopio and St Petersburg, 36° at Oxford and Munich, and 38° in London.

Later on the S^W current in the west of Ireland continued to encroach slowly, but fog remained prevalent over England (especially in London) where the barometer fell very slightly indeed.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT.

for *Friday, 19th October 1888.*
 Issued by the *Meteorological Office, 116, Victoria Street, London. R.H. SCOTT, Secretary.*

STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 2.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	30.22	30	N	6	b	30.34	+ .27	29	29	0	N	4	0	*	36	28	-
	Hernösand ...	30.39	30	N	2	b	30.47	+ .18	23	22	- 10	N	2	0	*	39	?	-
	Stockholm ...	30.32	34	NW	4	0	30.36	+ .15	32	26	+ 1	NW	2	0	*	37	27	-
	Wisby ...	30.25	39	N	6	bc	30.29	+ .13	38	33	- 1	N	6	0	*	45	34	-
	Bodö ...	30.38	33	ENE	1	b	30.25	- 10	30	27	- 5	ENE	4	0	2	37	27	-
	Christiansund...	30.32	36	ENE	1	b	30.20	- .19	35	32	- 1	ESE	2	0	2	39	32	-
	Skudesnaes ...	30.36	43	E	4	b	30.39	+ .02	44	40	+ 7	SE	6	0	4	46	34	-
	Christiania Fjord (Fjorden)	30.40	42	NW	2	b	30.43	+ .05	39	36	0	WSW	2	0	1	43	37	-
	Skagen (The Scaw)	30.42	40	ENE	1	c	30.46	+ .09	35	32	- 5	W	1	0	1	43	28	-
	Fanö ...	30.40	36	N	1	b	30.46	+ .09	35	33	- 3	SE	3	0	*	46	34	-
BRITISH ISLANDS.	Sumburgh Head	30.13	48	SSE	3	0	30.05	- .14	49	49	+ 2	SSE	2	0	4	49	45	0.09
	Stornoway ..	29.99	52	SW	6	m	29.97	- .05	52	52	0	SW	7	0	6	54	48	0.08
	Wick ...	30.06	50	S	5	0	30.02	- .11	51	49	+ 2	S	3	0	2	52	45	-
	Nairn ...	30.05	52	W	1	0	30.07	- .06	52	50	+ 5	SW	1	0	0	58	46	0.01
	Aberdeen...	30.16	50	S	2	omg	30.18	- .05	49	47	0	S	3	0	4	50	48	-
	Leith ...	30.14	48	S	1	m	30.18	- .02	49	47	+ 5	NW	1	0	*	53	43	-
	Shields ...	30.20	51	SSE	2	cm	30.26	+ .02	48	46	+ 1	S	4	0	2	55	46	-
	Spurn Head ...	30.23	51	SE	2	b	30.30	+ .04	50	46	+ 4	SE	4	0	3	51	46	-
	York ...	30.23	51	E	2	bc	30.31	+ .05	47	46	+ 2	SSE	2	0	*	55	40	-
	Loughborough	30.23	48	W	0	m	30.29	+ .01	45	44	+ 10	E	1	0	*	60	35	-
GERMANY.	Ardrossan ...	30.12	52	E	2	c	30.17	+ .01	52	50	+ 5	ENE	3	0	2	57	46	-
	Malin Head ...	29.48	53	S	5	om	30.06	+ .03	52	52	+ 1	S	4	0	3	56	51	0.02
	Mullaghmore ...	29.94	55	SE	6	og	30.04	+ .02	55	52	+ 2	SE	5	0	4	59	52	0.04
	Belmullet ...	29.92	54	S	7	0	30.02	+ .06	53	52	+ 1	SE	1	0	*	56	52	0.03
	Donaghadee ...	30.10	52	SSW	2	c	30.16	- .01	53	52	0	SSW	3	0	1	56	51	0.01
	Barrow-in-Furness	30.16	51	E	4	bc	30.23	+ .02	47	45	- 1	ESE	4	0	*	55	44	-
	Liverpool (Biston)	30.18	52	SE	3	b	30.25	+ .03	47	45	+ 2	SE	3	0	3	55	44	-
	Holyhead ...	30.12	53	Z	0	b	30.18	+ .02	52	49	+ 1	S	1	0	1	59	48	-
	Parsonstown ...	30.01	54	SSW	3	0	30.07	+ .02	54	51	+ 3	SSE	1	0	*	60	46	-
	Valencia ...	29.91	56	SE	7	og	29.97	+ .04	57	54	0	ESE	4	0	5	57	54	0.25
FRANCE & NETHERLANDS.	Roche's Point...	30.00	55	SSE	6	0	30.03	+ .02	56	53	+ 1	SSE	5	0	4	56	54	-
	Pembroke ...	30.07	55	SE	5	c	30.13	+ .02	52	51	- 2	ESE	5	0	4	57	51	-
	Scilly ...	30.02	55	ESE	6	0	30.02	- .04	56	53	+ 1	ESE	6	0	5	56	47	-
	Prawle Point ...	30.15	55	ESE	5	bc	30.15	- .03	55	51	+ 1	ESE	6	0	4	57	51	-
	Jersey ...	30.12	56	E	3	bcm	30.14	- .06	52	49	0	E	4	0	3	61	49	-
	Hurst Castle ...	30.20	53	ESE	2	m	30.23	- .00	50	50	- 2	E	4	0	2	60	50	0.01
	Dungeness ...	30.21	51	E	5	m	30.22	- .03	49	46	- 4	ESE	5	0	3	55	46	-
	London ...	30.23	49	ESE	3	0	30.28	- .00	44	43	+ 4	SE	1	0	*	56	40	-
	Oxford ...	30.23	47	SSE	2	b	30.23	- .00	44	43	+ 4	E	1	0	*	58	40	-
	Cambridge ...	30.23	46	SE	1	c	30.31	+ .02	39	38	+ 2	E	1	0	*	60	32	-
PENIN- SULA.	Yarmouth ...	30.27	50	SE	3	bc	30.30	+ .01	48	45	+ 2	ESE	4	0	4	53	44	-
	Cuxhaven ...	30.42	46	Z	0	b	30.49	+ .10	41	40	- 2	SE	2	0	*	47	39	-
	Berlin ...	30.35	41	ENE	3	c	30.41	+ .08	37	33	- 3	NW	4	0	*	46	36	-
	Wiesbaden ...	*	*	*	*	*	30.38	+ .12	39	35	- 4	NW	1	0	*	55	36	-
	Manich ...	30.23	43	SW	1	b	30.32	+ .07	32	31	- 9	NE	4	0	*	48	30	-
	The Helder ...	30.33	45	E	1	b	30.36	+ .05	43	41	- 5	ESE	1	0	1	50	41	-
	Brussels ...	*	*	*	*	*	30.34	+ .03	35	35	- 8	E	3	0	*	50	34	-
	Cape Gris Nez...	30.24	48	ENE	4	f	30.25	- .01	41	40	- 5	SE	4	0	2	53	39	-
	Paris ...	30.18	48	ENE	3	b	30.22	- .03	37	37	- 1	NE	1	0	*	60	36	-
	Brest ...	30.06	57	SE	5	0	30.06	- .05	50	45	- 1	ESE	5	0	4	61	40	-
PENIN- SULA.	Lorient ...	30.08	55	ESE	5	0	30.03	- .09	48	46	0	E	5	0	4	59	46	-
	Rochefort ...	30.07	55	ENE	5	bc	30.03	- .12	45	44	0	E	5	0	2	64	41	-
	Belfort ...	30.16	43	E	1	b	30.21	+ .05	44	41	- 5	NE	4	0	*	52	34	-
	Lyons ...	30.12	44	WSW	1	b	30.24	+ .07	31	31	- 6	NE	1	0	*	51	31	-
	Nice ...	29.94	57	W	3	b	30.04	+ .08	51	45	0	ESE	3	0	1	66	37	-
	Perpignan ...	29.97	63	Z	0	c	30.03	- .00	52	52	+ 7	Z	0	0	*	68	?	-
	Biarritz ...	29.94	60	E	5	0	29.91	- .15	54	50	+ 4	SE	5	0	1	66	?	-
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
Lisbon ...	29.86	68	SSE	4	0	29.87	- .12	68	66	+ 3	SSW	7	0	8	72	64	0.08	

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on

Friday, 19th October

1888.

BAROMETER, WIND & SEA

(Explanation of Map)

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

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

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

⊙ = dead calm.

Sea Disturbance — where considerable is shown thus.

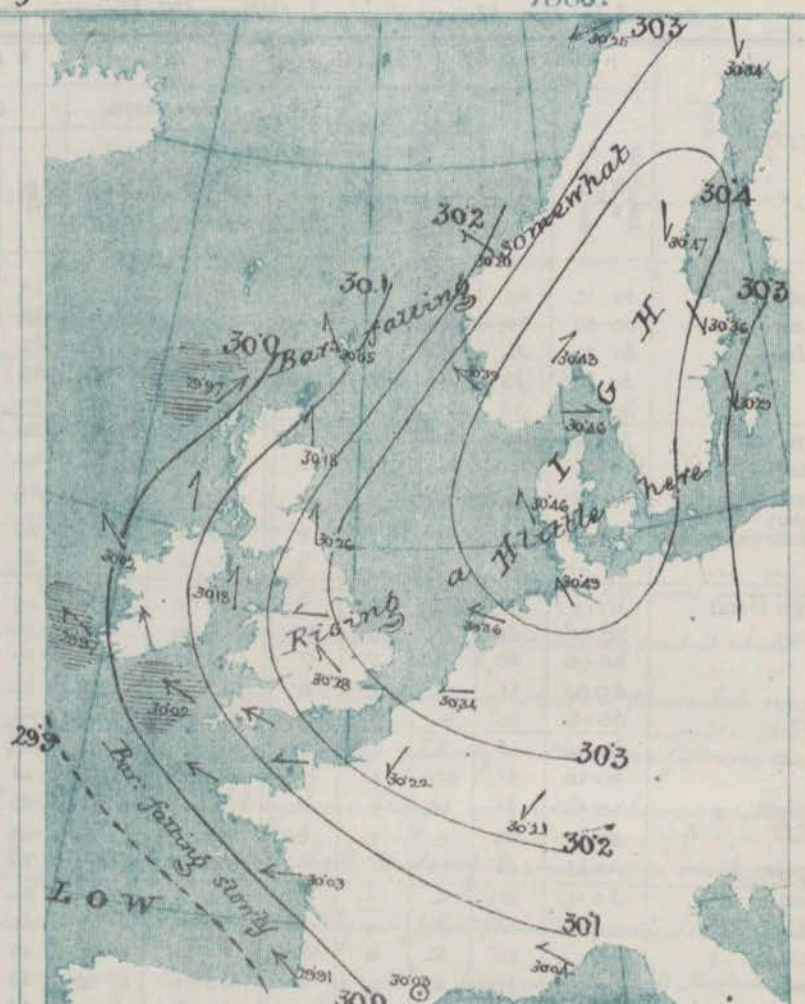
— Rough — High

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.708
Stornoway	29.735
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.813
Donaghadee	29.832
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roche's Point	29.870
Pembroke	29.868
Seilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.886



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.

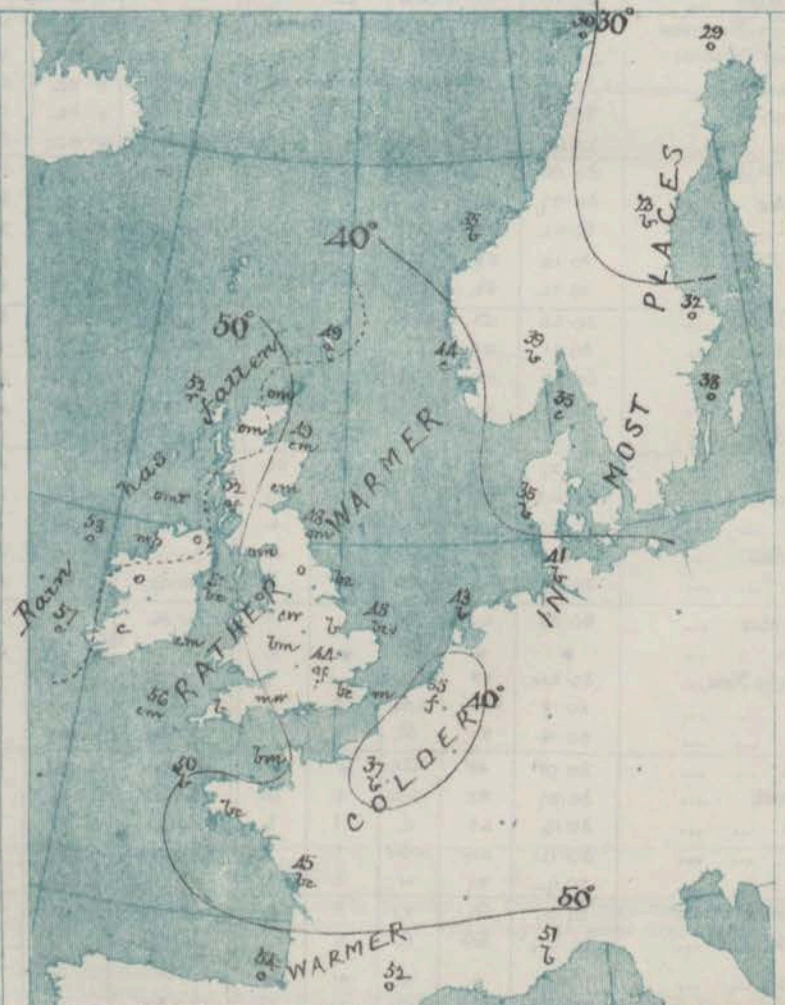
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of October.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min	Dry at 8 a.m.	Wet	
Sumburgh Head	49.7	41.6	46.0	44.3	4.33
Stornoway	50.5	39.5	45.3	44.1	4.94
Wick	51.6	40.1	46.1	44.3	2.94
Nairn	51.6	40.6	44.5	42.5	2.38
Aberdeen	52.3	41.0	45.5	43.5	2.88
Leith	54.7	41.5	46.5	44.7	1.94
Shields	53.0	42.8	47.1	45.4	2.46
York	54.8	41.0	45.9	44.5	2.64
Loughborough	55.3	41.4	46.4	45.0	2.98
Ardrossan	53.5	43.6	47.6	45.6	4.31
Donaghadee	52.2	43.3	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.8	44.6	47.8	45.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.3	49.1	6.09
Roche's Point	55.8	45.9	50.2	48.4	4.17
Pembroke	54.8	48.0	51.2	49.1	4.13
Seilly	56.8	50.3	53.8	51.7	3.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.28
LONDON	56.6	43.2	48.0	46.4	2.74
Oxford	55.3	42.5	46.7	45.3	2.72
Cambridge	56.4	41.2	46.4	45.4	2.36
Yarmouth	54.3	44.8	49.2	47.9	2.07

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.4 ins. and upwards, in a long anticyclonic band lying over Sweden and Denmark. Lowest, 29.9 ins. and less over Spain and the southern parts of the Bay of Biscay.
TEMPERATURE	Gradients moderate or slight. Barometer falling in Norway and the extreme north of Scotland, as well as in the west of France, but rising elsewhere. Highest 68° at Lisbon, 57° at Valencia, 56° at Roche's Point and Scilly and 55° at Mullaghmore and Brawley Point. Lowest 23° at Helsingfors, 24° at Naparanda, 30° at Rode, 32° at Stockholm, and 33° at Christiansand, Hagen, Tams and Brussels. During yesterday the thermometer rose to 60° at Loughborough, Parsonstown, Hurst Castle and Cambridge, and 61° at Jersey.
WIND	Light to fresh from the E ^W over France and the eastern parts of the Channel. Strong from SE on our extreme southwest coast, and moderate from the same quarter over the greater part of England & the North Sea. S ^W or S ^W ⁴ in the north of Scotland, N ⁴ in Sweden.
WEATHER	Dull over the northern parts of our Islands and Scandinavia, as well as in the south of France, with rain at Helsingfors and passing showers at Mullaghmore. Fine in most other localities, but foggy in London and at Brussels. Slight rain fell yesterday on our extreme north and northwest coasts.
SEA	Rough at Helsingfors and rather rough at Valencia and Scilly, but moderate to smooth elsewhere.



PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over Sweden and Denmark is inclined to move slowly southwards, but depressions are still skirting our extreme west coasts, and strong winds from the SE^W are likely to continue in the south of Ireland and the southwest of England.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	S ^W and S ^W ⁴ winds, fresh or strong; dull, some rain.	6 { SCOTLAND WEST	SE ⁴ winds, moderate at first; fair generally, but much fog.
1 { SCOTLAND EAST	S ^W winds, moderate or fresh; cloudy, rain locally.	7 { ENGLAND N. W.	
2 { ENGLAND N. E.	SE ⁴ winds, moderate; fair generally.	8 { ENGLAND S. W.	E ⁴ and SE ⁴ winds, strong; fair generally.
3 { ENGLAND EAST		9 { IRELAND NORTH	Same as N ^o 1.
4 { MIDLAND COUNTIES	E ⁴ and SE ⁴ winds, moderate; fair generally, but local fogs at night.	10 { IRELAND SOUTH	SE ⁴ winds, strong; fair to dull and some rain.
5 { ENGLAND SOUTH		WARNINGS	
		The South Cone was hoisted yesterday in district 10.	

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.38	46	40	SSE 4	b	2	Holyhead ...	30.14	57	52	S 3	bc	2
Sumburgh Head ...	30.15	48	48	SSE 3	o	4	Valencia ...	29.90	56	55	SE 7	om	6
Stornoway ...	29.99	53	51	W 6	m	5	Scilly ...	30.02	56	52	SE 6	o	5
Aberdeen ...	30.18	50	48	SSE 4	omg	1	Jersey ...	30.15	53	53	ESE 4	o	3
Shields ...	30.20	54	50	S 2	bm	2	Dungeness ...	30.23	54	51	E 4	e	3
Ardrossan ...	30.13	55	53	ESE 2	o	2	London ...	30.24	56	52	SE 2	bm	*
Malin Head ...	30.01	55	52	ESE 4	o	3	Yarmouth ...	30.28	53	51	ESE 2	o	2
Mullaghmore ...	29.98	57	53	SE 5	e	4	Rochefort ...	30.09	62	57	ESE 5	e	2
Belmullet ...	29.93	56	52	SSE 3	e	*							

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

The reports for yesterday morning showed that the whole of the weather system noticed on the previous day over western and northern Europe had moved in a northeasterly direction. (1) The depression over the White Sea had moved away outside the area of observation; (2) the anticyclone noticed over the British Islands and France had reached the eastern shores of the North Sea; and (3) the fall of the barometer in the far west had spread to all our coasts, but was not of a very decided character. The depressions over the Mediterranean, however, had not moved much, but had grown deeper. Readings consequently varied from 30.3 ins. and more over the central area of the anticyclone mentioned, to about 29.5 ins. at Archangel, to 29.5 ins. at Malta, and to a little below 30.0 ins. over the west of Ireland.

The wind was consequently freshening from SE and S over the United Kingdom, with fair and milder weather (but with fogs in England); over the Baltic it was fresh but moderating from the N^W, with cloudy and somewhat showery weather, while over central Europe and southern France it was light and variable (chiefly HE^{ly}) with fair weather. In Italy the wind was N^{ly} and the weather fair.

Temperature had decreased, except over the British Islands, and ranged from rather less than 70° on the southern shores of the Mediterranean to considerably below the freezing point over northern Europe. The highest individual values were 67° at Malta, 66° at Brindisi, 64° at Sfax and La Calle (Algeria) 62° at Sanguinaire, 57° at Lesina and at Valencia (Ireland) 55° at Scilly, and 52° at Stornoway; the lowest were 28° at Helsingfors, 29° at Haparanda, 31° at Stockholm, 32° at Kuopio, Hangö and St. Petersburg, 33° at Narkov, and Hernösand, and Colermont, 34° at Kiev, 35° at Loughborough, 37° at Lyons, and 38° at Paris.

Little change occurred later.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for Saturday, 20th October

1888.

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

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 2.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	30.25	27	Z	0	0	29.84	- .50	34	33	+ .5	SW	4	0	*	34	23	-	
	Hernösand ...	30.34	30	Z	0	c	29.99	- .48	32	31	+ .9	SSW	2	0	*	37	21	-	
	Stockholm ...	30.38	31	Z	0	r	30.18	- .18	36	34	+ .4	SW	4	0	*	36	28	-	
	Wisby ...	30.34	37	Z	4	b	30.30	+ .01	41	37	+ .3	WNW	4	0	*	41	36	-	
	Bodö ...	29.97	34	E	4	m	29.60	- .65	45	43	+ .15	WSW	6	6	3	?	27	1.69	
	Christiansund...	30.02	44	SSE	2	r	29.99	- .21	47	45	+ .12	WSW	8	0	4	?	?	0.12	
	Skudesnaes ...	30.34	48	S	7	0	30.22	- .17	49	49	+ .5	SSW	6	0	5	?	?	-	
	Christiania Fjord (Fjorder)	30.31	46	WSW	5	0	30.15	- .28	47	45	+ .8	WSW	8	0	4	?	?	-	
	Skagen (The Scaw)	30.43	41	SW	3	0	30.30	- .16	43	42	+ .8	SW	2	0	3	43	34	-	
	Fanö ...	30.48	37	SSE	3	c	30.45	- .01	42	39	+ .7	SW	4	0	*	45	34	-	
BRITISH ISLANDS.	Sumburgh Head	30.06	49	SW	2	r	30.25	+ .20	44	46	- .2	W	2	0	3	52	44	0.40	
	Stornoway ...	30.07	52	SW	5	r	30.34	+ .37	46	46	- .6	E	3	0	3	53	44	0.20	
	Wick ...	30.10	50	Z	0	r	30.36	+ .34	48	47	- .3	N	1	0	0	52	46	0.87	
	Nairn ...	30.12	53	W	1	0	30.33	+ .26	53	51	+ .1	Z	0	0	1	56	52	0.20	
	Aberdeen...	30.20	50	S	4	comp	30.35	+ .17	51	50	+ .2	WNW	1	0	4	54	49	0.09	
	Leith ...	30.22	49	W	1	c	30.32	+ .14	48	46	- .1	W	1	0	*	56	45	-	
	Shields ...	30.27	49	S	8	c	30.33	+ .07	40	39	- .8	SW	2	0	2	55	38	-	
	Spurn Head ...	30.28	50	SE	3	b	30.37	+ .07	47	45	- .3	SSE	3	0	3	50	44	-	
	York ...	30.30	48	SSE	2	b	30.38	+ .07	36	36	- .11	Z	0	0	*	55	31	-	
	Loughborough	30.28	46	ESE	1	b	30.39	+ .10	29	29	- .16	WSW	1	0	*	60	23	-	
GERMANY.	Ardrossan ...	30.22	51	Z	0	of	30.32	+ .15	48	46	- .4	E	1	0	0	52	46	-	
	Malin Head ...	30.14	54	S	3	of	30.28	+ .22	51	51	- .1	E	2	0	2	55	51	-	
	Mullaghmore ...	30.14	57	SE	2	om	30.27	+ .23	49	48	- .6	E	4	0	2	58	47	-	
	Belmullet ...	30.10	55	ESE	1	0	30.25	+ .23	49	47	- .4	E	3	0	*	57	49	0.05	
	Donaghadee ...	30.22	51	SSW	2	c	30.31	+ .15	50	48	- .3	E	2	0	1	55	49	-	
	Barrow-in-Furness	30.24	50	ENE	4	0	30.31	+ .08	45	43	- .2	SE	3	0	*	53	44	-	
	Liverpool (Bldston)	30.25	50	ESE	2	b	30.32	+ .07	40	39	- .7	SE	5	0	4	54	39	-	
	Holyhead ...	30.21	51	Z	0	b	30.27	+ .09	49	48	- .3	Z	0	0	0	61	45	-	
	Parsonstown ...	30.16	53	SE	1	0	30.22	+ .15	47	45	- .7	W	1	0	*	58	45	-	
	Valencia ...	30.06	57	ESE	4	0	30.16	+ .19	54	51	- .3	ESE	1	0	1	59	52	0.02	
FRANCE & NETHERLANDS.	Roche's Point...	30.09	56	SE	5	c	30.18	+ .15	53	51	- .3	ESE	5	0	4	57	52	-	
	Pembroke ...	30.13	54	ESE	5	60	30.22	+ .09	47	47	- .3	ESE	4	0	3	55	48	-	
	Seilly ...	30.03	56	E	6	0	30.16	+ .14	55	52	- .1	ESE	6	0	5	58	39	-	
	Prawle Point ...	30.14	53	ESE	6	60	30.21	+ .06	52	49	- .3	E	6	0	5	57	47	-	
	Jersey ...	30.10	56	E	4	60	30.21	+ .07	48	45	- .4	E	5	0	4	59	45	-	
	Hurst Castle ...	30.22	53	ESE	4	m	30.30	+ .07	49	48	- .1	Z	3	0	2	56	47	-	
	Dungeness ...	30.25	52	ESE	4	b	30.35	+ .13	46	42	- .3	SSE	4	0	3	56	43	-	
	London ...	30.29	47	ESE	3	b	30.37	+ .09	39	38	- .5	ESE	1	0	*	58	34	-	
	Oxford ...	30.30	43	ESE	1	b	30.37	+ .09	34	33	- .10	ESE	1	0	*	57	31	-	
	Cambridge ...	30.36	44	E	1	b	30.40	+ .09	38	32	- .6	Z	0	0	*	58	27	-	
PENIN-SULA.	Yarmouth ...	30.31	49	SE	5	b	30.38	+ .08	48	45	- .0	SSE	3	0	3	51	45	-	
	Cuxhaven ...	30.53	41	E	2	b	30.54	+ .05	34	33	- .7	SSE	2	0	*	41	32	-	
	Berlin ...	30.48	38	ENE	3	e	30.54	+ .13	33	31	- .4	WNW	1	0	*	43	30	-	
	Wiesbaden ...	*	*	*	*	*	30.50	+ .12	35	32	- .4	E	2	0	*	46	30	-	
	Munich ...	30.40	29	NE	3	b	30.47	+ .15	26	25	- .6	E	3	0	*	37	23	-	
	The Helder ...	30.42	44	ESE	1	b	30.44	+ .08	36	35	- .7	SSE	1	0	1	46	36	-	
	Brussels ...	*	*	*	*	*	30.43	+ .09	35	33	- .0	E	1	0	*	50	31	-	
	Cape Gris Nez...	30.26	46	E	3	b	30.34	+ .09	34	33	- .7	E	1	0	1	46	34	-	
	Paris ...	30.24	43	ENE	3	b	30.32	+ .10	30	29	- .7	ENE	1	0	*	56	29	-	
	Brest ...	30.02	59	ESE	4	0	30.08	+ .02	50	46	- .0	SE	5	0	4	63	39	0.20	
PENIN-SULA.	Lorient ...	30.01	57	ESE	5	0	30.10	+ .07	49	47	+ .1	ESE	7	0	5	63	46	0.04	
	Rochefort ...	30.32	56	E	5	c	30.13	+ .10	49	47	+ .4	E	5	0	2	70	45	-	
	Belfort ...	30.22	42	E	5	b	30.35	+ .14	34	33	- .10	NE	4	0	*	54	26	-	
	Lyons ...	30.18	40	W	1	b	30.34	+ .10	29	29	- .2	E	1	0	*	47	28	-	
	Nice ...	30.03	58	ENE	4	0	30.19	+ .15	53	49	+ .2	ENE	8	0	4	66	50	-	
	Perpignan ...	30.02	51	Z	0	60	30.21	+ .18	46	46	- .6	SW	1	0	*	63	43	-	
	Biarritz ...	29.92	67	ESE	4	0	30.10	+ .19	65	62	+ .11	W	7	0	2	75	?	-	
	Corunna ...	*	*	*	*	*	30.05	- .11	64	61	- .3	SW	1	0	4	70	53	0.35	
	Lisbon ...	30.00	67	SW	4	60	30.03	+ .16	61	60	- .7	ENE	4	0	2	72	61	-	

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on Saturday, 20th October 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

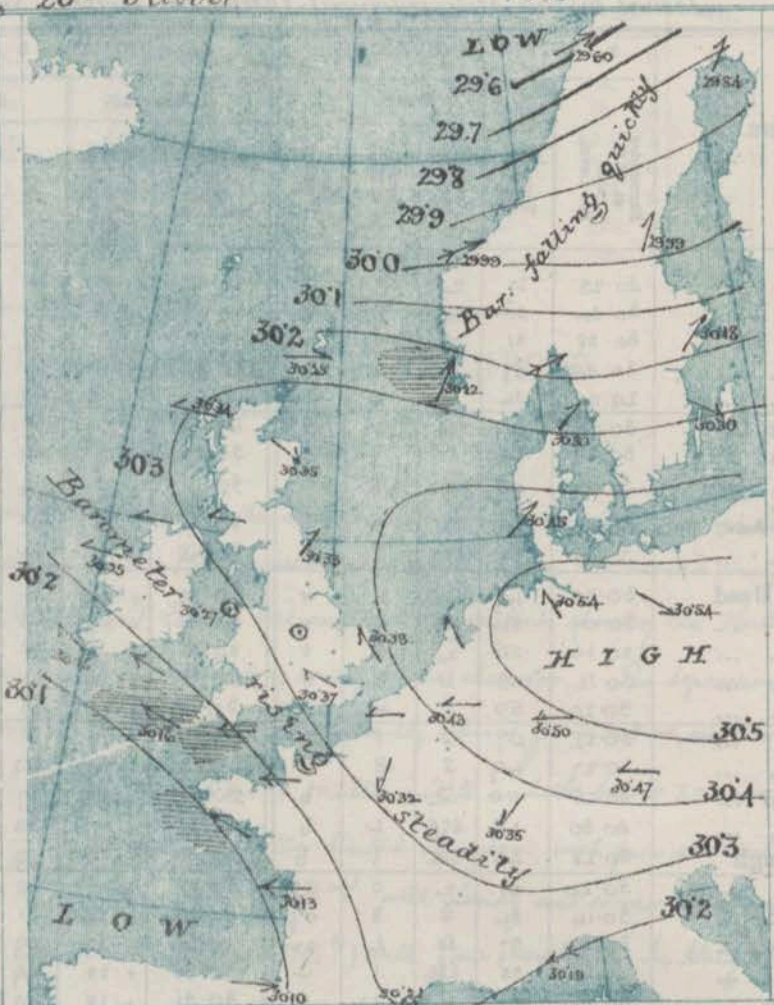
Sea Disturbance — where considerable is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.705
Stornoway	29.735
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.818
Donaghadee	29.832
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roches Point	29.870
Pembroke	29.868
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.886



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 October.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	Dry	Wet	
Sumburgh Head	49.7	41.6	46.0	44.8	4.83
Stornoway	50.5	39.6	45.3	44.1	4.94
Wick	51.6	40.1	46.1	44.3	2.94
Nairn	51.6	40.6	44.5	42.5	2.38
Aberdeen	52.3	41.0	45.5	43.5	2.88
Leith	54.7	41.5	46.5	44.7	1.94
Shields	53.0	42.8	47.1	45.4	2.46
York	54.8	41.0	45.9	44.5	2.64
Loughborough	55.3	41.4	46.4	45.0	2.98
Ardrossan	53.5	43.6	47.6	46.6	4.31
Donaghadee	53.2	43.3	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.6	44.6	47.8	46.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.3	49.1	6.09
Roches Point	55.8	45.9	50.2	48.4	4.17
Pembroke	54.8	48.0	51.2	49.1	4.13
Scilly	56.6	50.3	53.8	51.7	3.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.25
LONDON	55.6	43.2	48.0	46.4	2.74
Oxford	55.3	42.5	46.7	45.3	2.72
Cambridge	56.4	41.2	46.4	45.4	2.36
Yarmouth	54.3	44.8	49.2	47.0	2.97

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.6 ins. and upwards, in an anticyclone lying over Germany. Lowest 29.6 ins. and less, in a depression lying off the northwest of Norway. Gradients rather steep over the northwest of Norway and moderate over Scandinavia generally, but slight elsewhere. Barometer falling quickly in Scandinavia, but rising elsewhere.
TEMPERATURE	Highest 65° at Biarritz, 61° at Lisbon, 58° at Seilly, 54° at Valencia, and 53° at Nain, Rocher Point and Nice. Lowest 25° at Munich, 29° at Loughborough, 30° at Paris, 32° at Narnsund, 33° at Cambridge and 34° at Haparanda, Oxford, Luchhaven, Berlin and Belfast. Sharp frost occurred last night over the inland parts of England.
WIND	SW. in Scandinavia and Denmark; strong to a gale at some of the Norwegian stations. Light from W in the east of Scotland; E. or SE., strong in force at the mouth of the Channel.
WEATHER	Rainy in the south of Norway and the northwest of France, dull in Scandinavia the north of Scotland, and the W and S of France generally. Fine in most other localities, but foggy over central England and the south of Scotland. Heavy rain fell yesterday at some of the extreme northern stations.
SEA	Rather rough at the mouth of the Channel, and also at Skudsmoes, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the northwest of Norway will probably travel eastwards across the north of Scandinavia, but secondary disturbances may possibly appear off the north of Scotland, and the wind on our extreme north coast is therefore likely to freshen from the W.

FORECASTS

For the 24 hours ending at NOON on 21st October 1888.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.	
0 { SCOTLAND NORTH	<i>W^{ly} winds, freshening; dull, rain locally.</i>	6 { SCOTLAND WEST	<i>Same as N^o 2.</i>	
1 { SCOTLAND EAST	<i>Light breezes, chiefly W^{ly}, fair generally, but some fog or mist.</i>	7 { ENGLAND N. W.		
2 { ENGLAND N. E.	<i>Light, S^{ly} breezes; fine generally, but some fog or mist.</i>	8 { ENGLAND S. W.	<i>SE^{ly} winds, moderating in force; fair generally.</i>	
3 { ENGLAND EAST	<i>SE^{ly} winds, light; fine generally, but local fogs at night.</i>	9 { IRELAND NORTH	<i>E^{ly} to SE^{ly} winds, moderate; fair generally.</i>	
4 { MIDLAND COUNTIES		10 { IRELAND SOUTH		
5 { ENGLAND SOUTH		WARNINGS		
		<i>The SOUTH CONE was lowered yesterday in district 10.</i>		

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudsmoes ...	30.38	46	45	SSE 8	r f	5	Holyhead ...	30.20	57	52	2 0	6	0
Sumburgh Head ...	30.05	50	50	SW 1	r	3	Valencia ...	30.02	59	54	ESE 5	0 m	5
Stornoway ...	30.06	53	52	SW 6	m	6	Scilly ...	30.02	57	52	ESE 6	c	5
Aberdeen ...	30.19	52	49	S 3	cm	4	Jersey ...	30.10	59	53	ESE 5	0	4
Shields ...	30.25	53	50	S 3	cm	4	Dungeness ...	30.24	55	50	ESE 4	6	3
Ardrossan ...	30.19	52	50	SSE 2	of	2	London ...	30.27	54	49	ESE 3	6	*
Mahin Head ...	30.12	55	55	SSW 1	0	2	Yarmouth ...	30.31	57	48	SE 4	6	3
Mullaghmore ...	30.08	57	53	SE 4	0 m	4	Rocheport ...	30.02	67	59	E 4	6	2
Belmullet ...	30.06	57	54	SSE 1	0	*							

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

The reports for yesterday showed that the depressions recently observed over northern Europe and the Adriatic had both passed almost completely outside the area of observations, but that a shallow secondary had apparently been developed over Italy, causing some renewal of the disturbed weather recently observed in that country. Pressure at 8 a.m. varied from 30.30 ins. and 30.46 ins. over the eastern shores of the North Sea on the one hand, to rather below 29.9 ins. over northern Russia, southeastern Europe, and the Spanish Peninsula, and to 30.0 ins. in the west of Ireland. The wind was still N^{ly} over the Baltic, with cloudy weather, NE^{ly} to E^{ly} over Central Europe and France, with fine weather, and SE^{ly} to S^{ly} in our Islands, with dry weather in most places, but fogs locally, and rain in the extreme north of Scotland. Temperature had decreased somewhat, except over our Islands. It had become low locally over central Algeria, as well as over the inland and northern parts of the Continent. The highest morning readings were 68° at San Fernando and Lisbon, 66° at Malta, Palma, Corunna and Oren, 64° at Brindisi, 63° at Cagliari and Barcelona, 57° at Valencia (Ireland), 56° at Scilly and Lesina, 53° at Belmullet, and 52° at Stornoway and Holyhead; the lowest were 26° at Moscow, 29° at Haparanda and Uleaborg, 31° at Archangel, St. Petersburg, Helmingfors and Lyons, 32° at Munich, 33° at Brussels, and 34° at Paris.

The day temperatures were in most places much higher than the above, but beyond this little change was reported.

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 21st OCT^r 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.			
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	29.29	36	SW	2.	C	29.20	-.64	34	33	0	NNW	2	0	*	37	28	0.30.	
	Hernösand ...	29.61	42	S	7	O	29.64	-.35	37	38	+	5	NNW	6	bc	43	27	—	
	Stockholm ...	30.00	41	Z	0	C	29.82	-.26	39	35	+	3	NNW	4	b	43	27	0.20	
	Wisby ...	30.13	45	WSW	4	C	29.87	-.43	45	42	+	4	NNW	2	b	45	27	0.08	
	Bodö ...	29.49	40	WSW	8	C	29.64	-.06	37	35	—	8	WSW	6	r	46	24	0.24	
	Christiansund...	29.97	45	WSW	9	r	30.14	+.15	37	35	—	10	N	9	s	47	34	0.28	
	Skudesnaes ...	30.32	47	WNW	11	O	30.31	+.09	43	38	—	6	NNW	8	o	49	43	—	
	Christiania Fjord (Fjord)	30.07	51	SW	4	O	30.09	-.06	46	39	—	1	NNW	4	b	50	46	0.20	
	Skagen (The Scaw)	30.17	47	NNW	5	C	30.08	-.22	47	44	+	4	NNW	4	bc	48	43	0.08	
	Fanö ...	30.37	48	WSW	4	O	30.32	-.18	47	45	+	5	WNW	4	C	50	41	—	
BRITISH ISLANDS.	Sumburgh Head	30.33	47	NNW	3	O	30.48	+.23	39	37	—	8	N	1	b	49	36	—	
	Sornoway ...	30.40	45	Z	0	O	30.47	+.13	46	45	0	E	4	O	3	50	36	0.02	
	Wick ...	30.42	48	W	1	O	30.52	+.16	46	44	—	2	Z	0	O	49	43	—	
	Nairn ...	30.42	48	E	1	O	30.49	+.16	46	45	—	7	E	1	O	53	45	—	
	Aberdeen...	30.45	47	ESE	1	bc	30.53	+.18	46	44	—	5	ESE	1	C	53	45	0.01	
	Leith ...	30.42	54	NE	1	C	30.47	+.15	49	49	+	1	ESE	1	C	58	46	—	
	Shields ...	30.42	49	NE	1	bc	30.48	+.15	42	42	+	2	Z	0	fw	56	39	—	
	Spurn Head ...	30.58	49	SE	2.	bc	30.44	+.07	41	41	—	6	NNW	2.	f	51	39	0.01	
	York ...	30.41	43	SE	1	b	30.49	+.11	38	38	+	2	N	1	f	45	27	0.01	
	Loughborough	30.40	43	L	0	b	30.47	+.08	33	33	+	4	NNW	1	f	62	28	—	
GERMANY.	Ardrossan ...	30.36	52	NE	1	bf	30.45	+.13	50	47	+	2	ESE	3	bc	56	45	—	
	Malin Head ...	30.32	52	E	3	bf	30.42	+.14	46	47	—	3	SE	4	bf	55	47	—	
	Mullaghmore ...	30.29	55	E	4	bc	30.35	+.08	46	44	—	3	ESE	5	bc	50	44	—	
	Belmullet ...	30.27	54	E	3	C	30.31	+.06	48	44	—	1	ESE	2	C	59	44	—	
	Donaghadee ...	30.36	51	E	2.	C	30.42	+.11	50	47	0	E	3	b	1	55	48	—	
	Barrow-in-Furness	30.34	51	NE	3	O	30.42	+.11	48	43	+	2	NE	1	b	57	41	—	
	Liverpool (Bidston)	30.38	50	ESE	2.	b	30.45	+.13	38	36	—	2	SE	1	b	54	37	—	
	Holyhead ...	30.31	48	Z	0	b	30.27	+.10	46	43	—	3	ESE	1	bc	58	42	—	
	Parsonstown ...	30.27	51	Z	0	C	30.22	+.10	51	45	+	4	Z	0	C	60	43	—	
	Valencia ...	30.19	54	SE	1	bc	30.21	+.05	55	54	+	1	SE	5	om	60	50	0.01	
FRANCE & NETHERLANDS.	Roche's Point...	30.24	52	ESE	5	O	30.26	+.08	54	54	+	1	SE	5	mm	55	50	0.05	
	Pembroke ...	30.23	55	ESE	5	C	30.31	+.09	50	48	+	1	ESE	5	C	53	48	—	
	Scilly ...	30.09	54	F	7	r	30.23	+.14	54	52	—	1	ESE	5	C	55	51	0.34	
	Prawle Point ...	30.26	53	F	1	C	30.32	+.11	55	51	+	3	F	6	b	55	49	—	
	Jersey ...	30.25	54	E	4.	bc	30.24	+.10	53	47	+	5	E	4.	b	57	45	—	
	Hurst Castle ...	30.32	50	E	4.	C	30.38	+.08	46	44	—	3	ESE	4.	bc	56	42	—	
	Dungeness ...	30.36	51	ESE	5	C	30.40	+.05	45	44	+	3	ESE	3	b	53	45	—	
	London ...	30.37	46	SE	2	b	30.43	+.06	46	35	—	3	E	1	b	56	38	—	
	Oxford ...	30.41	42	E	0	b	30.45	+.08	41	31	—	3	NE	1	bc	57	31	—	
	Cambridge ...	30.41	42	E	1	b	30.44	+.04	29	28	—	4	Z	0	b	60	25	—	
PENINSULA.	Yarmouth ...	30.42	41	ESE	2	b	30.44	+.06	41	40	—	7	Z	0	bc	51	35	—	
	Cuxhaven ...	30.44	41	S	2	b	30.43	-.11	43	42	+	9	NNW	3	O	*	43	?	—
	Berlin ...	30.52	40	N	1	O	30.38	-.16	38	35	+	5	NNW	3	C	*	43	33	—
	Wiesbaden ...	*	*	*	*	*	30.46	-.04	34	33	—	1	Z	0	C	*	45	32	—
	Munich ...	30.44	24	E	3	b	30.44	-.03	29	28	+	3	E	4	b	*	39	26	—
	The Helder ...	*	*	*	*	*	30.44	+.01	37	35	+	2	Z	0	b	*	49	34	—
	Brussels ...	30.38	46	E	1	b	30.40	+.06	42	37	+	8	SSE	1	b	O	54	34	—
	Cape Gris Nez...	30.36	42	NE	3	b	30.38	+.06	30	29	0	NE	1	b	*	54	23	—	
	Brest ...	30.19	55	SE	5	r	30.25	+.17	47	44	—	3	E	3	b	3	59	39	—
	Lorient ...	30.24	57	ESE	4	O	30.19	+.09	45	41	—	4	E	5	b	4	57	43	—
PENINSULA.	Roche'fort ...	30.22	57	E	4	bc	30.22	+.09	47	46	—	2	ESE	5	bc	2	70	43	—
	Belfort ...	30.36	38	E	3	b	30.39	+.04	35	32	+	1	E	3	b	*	55	28	—
	Lyons ...	30.36	40	N	1	b	30.29	+.05	34	33	+	5	N	1	C	*	49	29	—
	Nice ...	30.32	48	ESE	3	O	30.25	+.13	48	45	—	5	E	3	O	2	54	46	—
	Perpignan ...	30.26	58	Z	0	O	30.25	+.04	58	54	+	2	E	3	O	*	63	37	—
	Biarritz ...	30.15	63	N	3	b	30.08	-.02	57	55	—	8	ESE	4	C	2	70	55	0.04
	Corunna ...	*	*	*	*	*	30.05	+.03	61	61	—	3	NNW	3	r	3	75	57	0.59
	Lisbon ...	30.05	62	Z	0	O	30.12	+.09	63	62	+	2	N	1	b	?	72	61	0.32

WEATHER

CHARTS

for 8 a.m. on Sunday, 21st October. 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

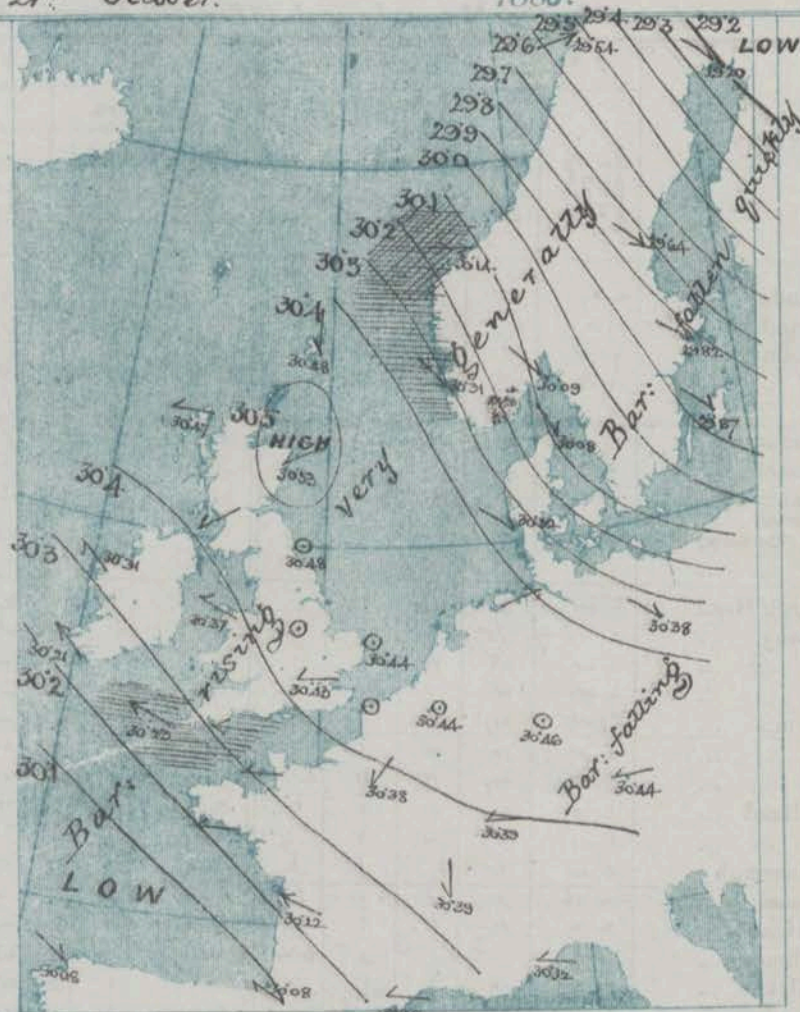
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus —

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

Sea Disturbance — where considerable is shown thus.

— Rough. — High.
MEAN HEIGHT of the BAROMETER
at 8 a.m. for the month of October.
During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS
Sumburgh Head	29.708
Stornoway	29.735
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.813
Donaghadee	29.832
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roche's Point	29.870
Pembroke	29.868
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.886



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.

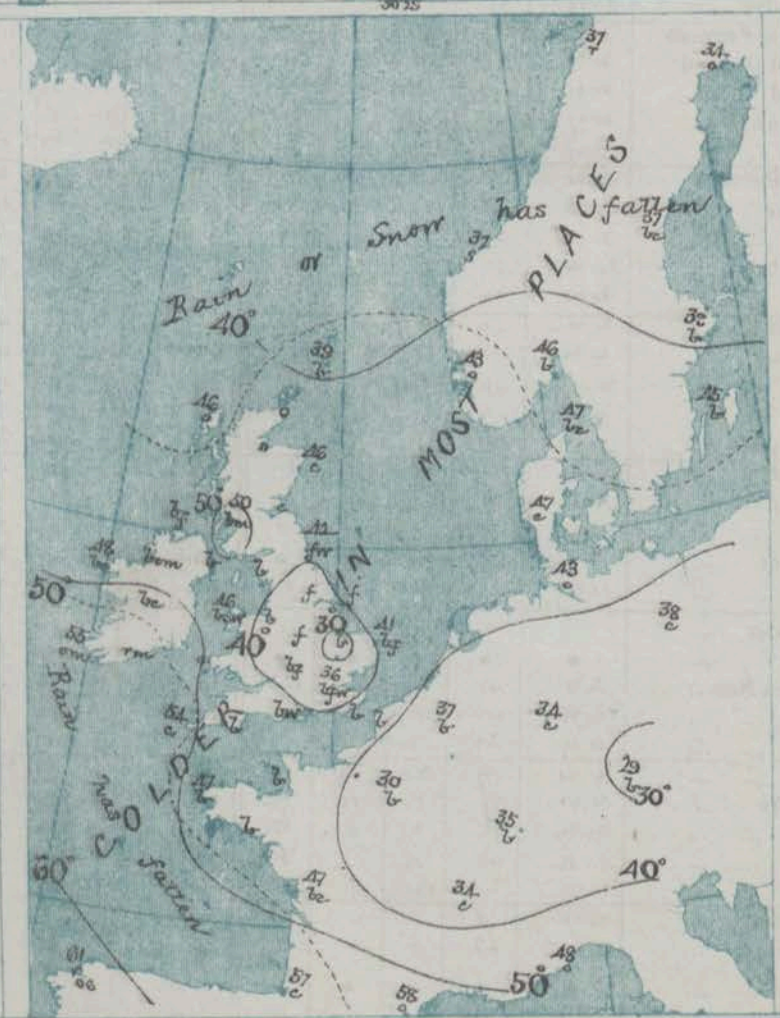
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of October.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min	at 8 a.m. Dry	Wet	
Sumburgh Head	49.7	41.6	46.0	44.3	4.33
Stornoway	50.5	39.5	45.3	44.1	4.94
Wick	51.6	40.1	46.1	44.3	2.94
Nairn	51.6	40.6	44.5	42.5	2.38
Aberdeen	52.3	41.0	45.5	43.5	2.88
Leith	54.7	41.5	46.5	44.7	1.84
Shields	58.0	42.8	47.1	45.4	2.46
York	54.8	41.0	45.9	44.5	2.64
Loughborough	55.3	41.4	46.4	45.0	2.98
Ardrossan	58.5	43.6	47.6	45.6	4.81
Donaghadee	58.2	43.3	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.6	44.6	47.8	45.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.3	49.1	6.09
Roche's Point	55.8	45.9	50.2	48.4	1.17
Pembroke	54.8	48.0	51.2	49.1	4.13
Scilly	56.6	50.3	53.8	51.7	8.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.28
LONDON	56.6	43.2	48.0	46.4	2.74
Oxford	55.3	42.5	46.7	45.3	2.72
Cambridge	56.4	41.2	46.4	45.4	2.36
Yarmouth	54.3	44.8	49.2	47.0	2.97

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.5 in. and upwards, in a small area lying off the northeast of Scotland.
Lowest, 29.2 in. and less, over Eastern Lapland, 30 in. and less, over the Bay of Biscay and the north of Spain.
Gradients steep over Scandinavia and the north of Germany, but slight elsewhere.
Barometer rising at all but the Swedish, Danish, and North German stations.

TEMPERATURE

Highest, 63° at Lisbon, 61° at Corunna, 58° at Liverpool, 57° at Biarritz, and 55° at Valencia and Pauillac.
Lowest, 29° at Cambridge and Munich, 30° at Paris, 31° at Oxford, 33° at Loughborough, and 34° at Huford, Wiesbaden and Lyons.
Sharp frost occurred last night over Central England.

WIND

Strong to a gale from W. or NW. over Scandinavia, moderate from the same quarters over Denmark and Germany.
E. or SE. over the greater part of our islands and France; fresh or strong in force over the Bay of Biscay and our southern coast.

WEATHER

Cloud in Norway, with rain at Rode and snow at Christiansund.
Fair or fine in most other parts of Western Europe, but foggy over Eastern and Central England and rainy at Roches Point.
Solar and lunar halos were seen yesterday in the south of England.

SEA

High at Christiansund and rather rough at the mouth of the Channel, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression which lay off the northwest of Norway yesterday, has travelled eastwards and is now passing away towards North Russia. No important change in the weather is indicated at present over our islands.

FORECASTS

For the 24 hours ending at NOON on 22nd OCT^r 1888.

DISTRICTS.

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

FORECASTS.

NONE ISSUED.

DISTRICTS.

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

WARNINGS

FORECASTS.

NONE ISSUED.

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		
Skudesnaes ...	30.25	46	45	NNW	1	r f	5	Holyhead ...	30.29	57	52	NNW	1	b	1
Sumburgh Head ...	30.21	45	47	NNW	2	o	3	Valencia ...	30.16	60	55	ESE	2	bcm	2
Stornoway ...	30.38	50	40	E	2	o	3	Scilly ...	30.08	53	52	E	6	rm	6
Aberdeen ...	30.44	49	48	ENE	2	o	4	Jersey ...	30.22	55	48	E	4	c	3
Shields ...	30.36	55	50	SW	2	bcm	2	Dungeness ...	30.35	52	46	E	4	b	3
Ardrossan ...	30.35	56	52	NE	1	b	1	London ...	30.57	55	47	SE	2	b	*
Malin Head ...	30.32	53	52	ESE	4	b	2	Yarmouth ...	30.41	50	46	SSE	3	b	2
Mullaghmore ...	30.28	55	52	E	5	bcm	4	Rochefort ...	30.19	68	60	E	4	b	2
Belmullet ...	30.26	57	52	E	2	b	*								

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

The reports for yesterday morning showed that pressure was highest, 30.5 ins: and upwards, in an anticyclone lying over North Germany and lowest 29.6 ins: and less, in a depression lying off the northwest of Norway. A large area of relatively low readings 30.1 ins: and less, was however, reported over the Bay of Biscay and the west of Spain. The wind was strong SW in Scandinavia, with a gale in the west of Norway, but light from the N^W over Central Europe, and moderate from E or NE in most of the southern countries. In the west and south of our Islands, however, it was chiefly SE^W with a strong breeze at the mouth of the Channel. The weather was dull in the north with snow in Lapland and Finland and rain in the south of Scandinavia. Rain was also falling in the extreme northwest of France, but elsewhere the weather was generally fair. Temperature had risen several degrees in Scandinavia and (b. ...), but fallen in most other localities; readings ranged from 65° and upwards in Algeria and 60° and upwards in Spain and South Italy to 32° and upwards over Northern and Central Russia, and also over the central parts of England, France and Germany. The highest individual readings were 68° at Algiers, 67° at Nemours, 66° at Orléans, 65° at Sfax, 64° at Barcelona, and 61° at Lisbon and Tunis; the lowest were 24° at Kuspio, 26° at Munich, 27° at Casel, 28° at Helsinki and Moscow, 29° at Loughborough, and 30° at Archangel, Uleaborg, St Petersburg and Kiev.

In the course of the day the depression off the northwest of Norway moved steadily eastwards, and at night a heavy W^W gale was experienced on some parts of the Norwegian coast. At the mouth of the Channel the wind increased to a moderate gale from the E^W with rain but in other parts of our Islands no important change was observed.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

* 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 22nd OCTOBER 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R.H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 29° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.			
			Dirac.	Force (0 to 12.)		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dirac.	Force (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..																	
	Hernösand ...	29.74	34	NN	9	b	29.72	+ .08	29	33	+ 2	NNN	8	c	*	42	30	—
	Stockholm ...	29.82	36	NN	6	b	29.84	+ .02	28	28	— 6	NNN	6	o	*	46	33	—
	Wisby ...																	
	Bodö ...	29.66	37	NN	8	r	29.71	+ .05	40	37	+ 3	NNN	4	c	2	?	32	0.16
	Christiansund...	30.24	34	NNN	8	c	30.25	+ .01	36	23	— 1	N	8	o	7	36	30	0.24
	Skudesnaes ...	30.24	29	NNN	6	r	30.26	+ .02	39	36	— 4	N	4	o	3	43	37	—
	Christiania Fjord (Farder)	30.12	42	NN	4	b	30.18	+ .06	38	33	— 5	NN	3	b	1	50	34	—
	Skagen (The Scaw)	30.12	44	NN	5	b	30.19	+ .07	41	37	— 4	N	1	b	1	48	37	—
	Fanö ...	30.25	44	NN	6	c	30.26	— .01	42	39	— 3	NNN	4	c	*	52	42	—
BRITISH ISLANDS.	Sumburgh Head	30.54	36	N	1	b	30.41	— .07	30	24	— 3	Z	0	c	1	44	32	—
	Stornoway ...	30.45	40	E	2	b	30.33	— .12	45	45	— 1	S	3	b	3	50	35	—
	Wick ...	30.51	44	SW	1	b	30.37	— .14	45	43	— 1	SW	3	o	1	52	43	—
	Nairn ...	30.49	45	E	1	c	30.38	— .11	40	39	— 6	Z	0	b	1	50	38	—
	Aberdeen...	30.53	45	Z	0	o	30.44	— .09	44	41	— 2	SSW	2	c	2	48	42	—
	Leith ...	30.51	49	SE	1	c	30.46	— .05	43	41	— 6	SE	1	om	*	57	42	—
	Shields ...	30.50	48	NE	1	o	30.46	— .04	45	42	+ 3	SSW	2	o	2	50	43	—
	Spurn Head ...	30.46	49	NNE	3	o	30.45	+ .01	47	44	+ 6	ENE	1	o	3	52	43	—
	York ...	30.49	48	E	1	o	30.49	00	44	41	+ 6	E	1	o	*	51	37	—
	Loughborough	30.48	44	ENE	1	f	30.48	+ .01	43	43	+ 10	Z	0	om	*	44	33	—
GERMANY.	Ardrossan ...	30.46	48	NE	3	b	30.45	00	40	39	— 10	NE	1	bm	1	56	38	—
	Malin Head ...	30.36	51	SE	5	b	30.37	— .01	46	44	— 2	SSW	3	af	2	54	44	—
	Mullaghmore ...	30.35	53	ENE	4	b	30.37	+ .02	46	44	0	ENE	4	bm	2	57	45	—
	Belmullet ...	30.32	50	E	2	c	30.36	+ .04	47	44	— 1	SE	1	c	*	58	43	—
	Donaghadee ...	30.44	52	ESE	2	b	30.45	+ .01	44	43	— 6	WSW	2	c	1	54	42	—
	Barrow-in-Furness	30.44	49	NE	2	b	30.45	+ .01	40	39	— 8	NE	2	b	*	56	39	—
	Liverpool (Bidston)	30.46	47	ESE	2	o	30.46	+ .01	42	40	+ 4	SE	2	b	3	53	38	—
	Holyhead ...	30.38	53	ESE	1	b	30.41	+ .03	48	46	+ 2	Z	0	bm	0	59	42	—
	Parsonstown ...	30.39	53	SE	2	o	30.39	+ .07	36	35	— 15	Z	0	c	*	58	35	—
	Valencia ...	30.39	56	ESE	3	b	30.33	+ .06	46	44	— 9	Z	0	bm	1	60	41	—
FRANCE & NETHERLANDS.	Roche's Point...	30.38	55	ESE	4	c	30.35	+ .03	53	51	— 1	ESE	4	bm	4	56	49	0.01
	Pembroke ...	30.34	52	ESE	4	c	30.38	+ .04	45	44	— 5	E	3	bm	3	56	43	—
	Scilly ...	30.24	55	E	6	b	30.28	+ .04	55	52	+ 1	ESE	5	b	4	59	52	—
	Prawle Point ...	30.33	52	ENE	5	b	30.38	+ .05	50	48	— 5	NE	5	c	4	52	48	—
	Jersey ...	30.31	52	ENE	3	b	30.37	+ .06	49	44	— 4	ENE	3	bm	2	66	45	—
	Hurst Castle ...	30.39	51	E	3	b	30.42	+ .03	46	46	0	NE	4	om	2	56	42	—
	Dungeness ...	30.39	51	E	3	b	30.42	+ .03	50	48	+ 1	ESE	3	c	3	55	48	—
	London ...	30.42	48	SE	2	bm	30.45	+ .03	42	42	+ 6	Z	0	f	*	57	36	—
	Oxford ...	30.46	44	NE	2	b	30.48	+ .02	40	40	+ 9	Z	0	om	*	58	31	—
	Cambridge ...	30.48	41	E	1	b	30.48	+ .04	43	42	+ 14	N	1	o	*	57	27	—
PENINSULA.	Yarmouth ...	30.45	50	NE	2	b	30.45	+ .01	48	45	+ 7	NE	2	bm	3	53	39	—
	Cuxhaven ...	30.37	43	NN	5	o	30.33	— .04	45	43	+ 2	N	4	o	*	48	41	—
	Berlin ...	30.28	46	NN	4	o	30.19	— .09	42	39	+ 4	NN	4	o	*	46	41	—
	Wiesbaden ...	*	*	*	*	*	30.37	— .08	37	36	+ 3	Z	0	o	*	46	32	—
	Munich ...	30.29	31	SW	1	m	30.24	— .05	34	31	+ 5	NN	4	b	*	43	28	—
	The Helder ...	30.42	48	NNN	1	c	30.41	+ .01	46	43	— 3	N	1	c	2	52	36	—
	Brussels ...	*	*	*	*	*	30.46	+ .02	40	39	+ 3	NE	1	o	*	53	37	—
	Cape Gris Nez...	30.39	46	E	3	b	30.39	— .01	45	43	+ 3	ESE	4	o	1	55	42	—
	Paris ...	30.36	44	NNE	3	b	30.38	— .02	36	36	+ 6	NNE	1	f	*	56	30	—
	Brest ...	30.28	55	ENE	3	b	?	— .?	43	40	— 4	?	4	b	3	64	36	—
PENINSULA.	Lorient ...	30.24	57	E	4	b	30.25	+ .01	45	41	— 0	E	5	b	2	63	48	—
	Rochefort ...	30.24	57	E	5	b	30.26	+ .02	46	45	— 1	ESE	4	b	2	70	41	—
	Belfort ...	30.35	41	NE	1	b	30.32	— .03	41	39	+ 6	NE	1	b	*	48	26	—
	Lyons ...	30.32	46	NE	1	c	30.35	— .03	36	34	+ 2	NNN	1	b	*	52	35	—
	Nice ...	30.31	49	NE	4	b	30.24	— .07	50	43	+ 2	NE	3	b	0	57	41	—
	Perpignan ...	30.24	58	SE	3	o	30.21	— .03	54	53	— 4	SE	3	c	*	67	33	—
	Biarritz ...	30.12	65	S	4	o	30.19	+ .07	61	59	+ 4	WSW	3	o	1	72	31	—
	Corunna ...	*	*	*	*	*												
	Lisbon ...	30.22	61	NNE	3	b	30.25	+ .03	58	57	— 5	N	3	b	2	70	55	—

WEATHER CHARTS

for 8 a.m. on Monday, 22nd October.

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;
 ○ = drail calm.

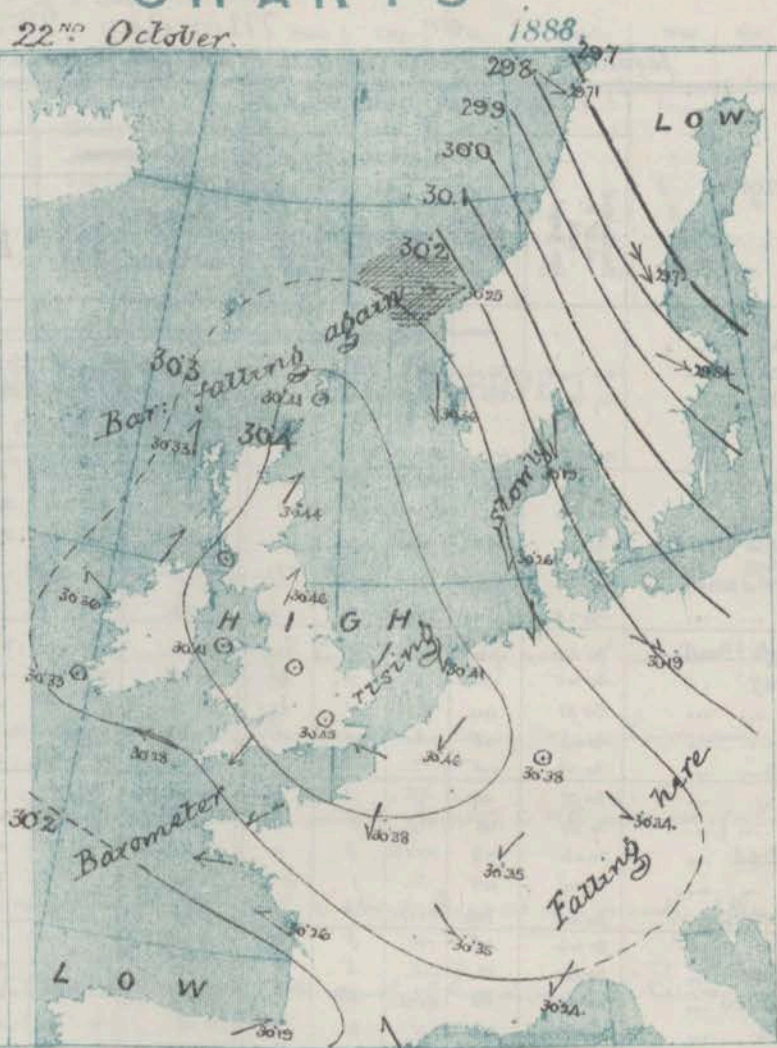
Sea Disturbance — where considerable is shown thus.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS	MEAN READINGS.
Sumburgh Head	29.708
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Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roche's Point	29.870
Pembroke	29.888
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.880



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.

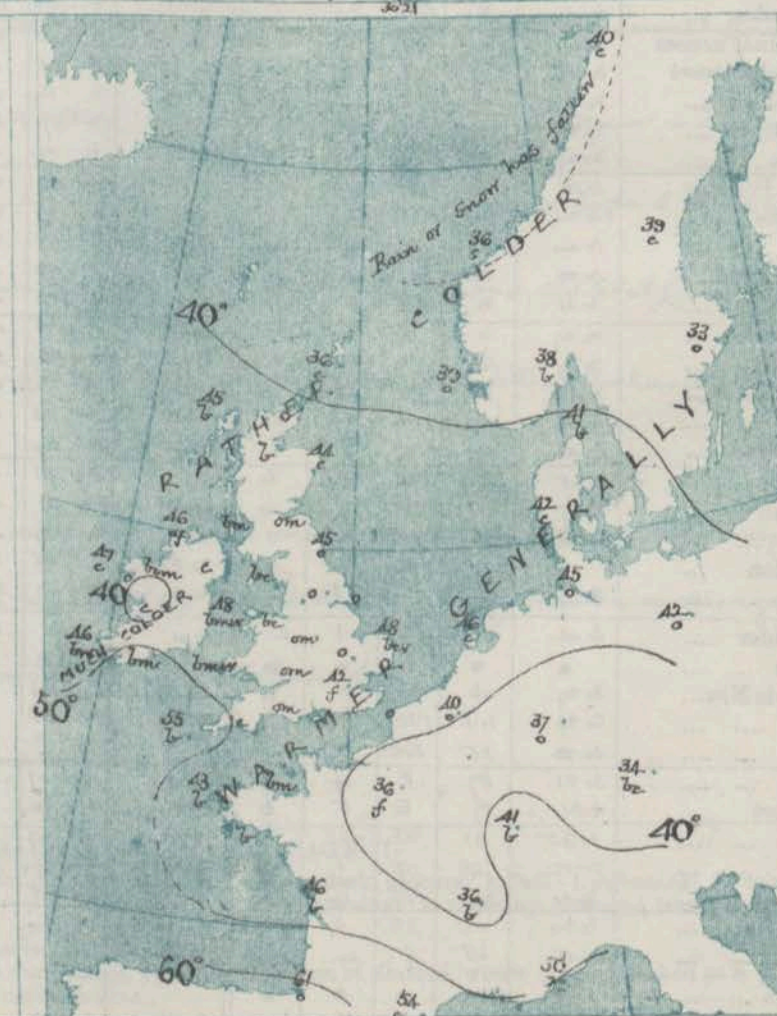
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of October.

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	Daily Max	Daily Min	at 8 a.m.		
			Dry	Wet	
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Nairn	51.6	40.6	44.5	42.5	2.38
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Leith	54.7	41.5	46.5	44.7	1.94
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York	54.8	41.0	45.9	44.5	2.64
Loughborough	55.3	41.4	46.4	45.0	2.98
Ardrossan	53.5	43.6	47.6	45.6	4.31
Donaghadee	53.2	43.3	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.6	44.6	47.8	45.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.3	49.1	6.09
Roche's Point	55.8	45.9	50.2	48.4	4.17
Pembroke	54.8	48.0	51.2	49.1	4.13
Scilly	56.6	50.3	53.8	51.7	8.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.28
LONDON	56.6	43.2	48.0	46.4	2.73
Oxford	55.3	42.5	46.7	45.3	2.72
Cambridge	56.4	41.2	46.4	45.4	2.36
Yarmouth	51.3	44.8	49.2	47.9	2.97

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.30 to 30.50 ins. on an anticyclone lying over the British Islands, North Sea, the Netherlands, northeast France and western Germany. Lowest 29.7 ins. and less over the Gulf of Bothnia and eastern Lapland—30.2 ins. and less over the southern part of the Bay of Biscay. Gradients slight within the anticyclonic area, steep over Scandinavia. Barometer falling again on our extreme north and northwest coasts, rising slowly in the south.

TEMPERATURE

Highest 61° at Biarritz, 58° at Scilly, 55° at Nice, 44° at Belmullet and 45° at Stornoway. Lowest 33° at Stockholm, 34° at Munich, 36° at Lyons, Paris, Bournemouth, Edinburgh, and Christiania, 37° at Wiesbaden, and 40° at Brussels and Vienna. It has risen over England during the past 24 hours, but fallen fast in Ireland, and is low generally for the time of year.

WIND

W^{ly} to NW^{ly} strong to a gale, over the northern and eastern parts of Scandinavia. N^{ly} over Holstein, NE^{ly} to E^{ly} at the southern stations, SE^{ly} on the southwest, and S^{ly} in the northwest. Calms and variable airs prevail over England.

WEATHER

Cloudy and rather unsettled over Scandinavia, with snow at Christiansand. Fair over the United Kingdom generally and in France, foggy and hazy at many stations. Dull over Germany. Rain and snow have fallen over the northern parts of Norway.

SEA

High at Christiansand. Moderate at the mouth of the English and St George's Channels, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There appears to be another depression advancing towards Scandinavia from the north-westward, which is likely to produce a southerly motion of the anticyclone and cause SW^{ly} and W^{ly} breezes over the northern half of the British Islands, with some rain in the extreme north and northwest. Farther to the southward light airs and foggy weather are likely to prevail, but with some intervals of bright weather.

FORECASTS

for the 24 hours ending at NOON on 23rd October 1888.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SW ^{ly} and W ^{ly} winds, freshening, with rainy unsettled weather.
1	SCOTLAND EAST	SW ^{ly} breezes, light to moderate, fair as a whole.
2	ENGLAND N.E.	
3	ENGLAND EAST	Calms and NE ^{ly} airs; dull and foggy, with some bright intervals.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	NE ^{ly} and E ^{ly} winds, light and foggy inland; moderate and fair on the coast.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	SW ^{ly} winds, freshening; fair generally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	E ^{ly} and SE ^{ly} winds, moderate, fair.
9	IRELAND NORTH	S ^{ly} and SW ^{ly} breezes, moderate; fair generally; showers in west.
10	IRELAND SOUTH	

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Woa.	Sea.		Bar.	Dry.	Wet.	Wind.	Woa.	Sea.
Skudesnaes ...	30.35	4.5	34	NNW 8	c	5	Holyhead ...	30.29	58	32	2	0	0
Sumburgh Head ...							Valencia ...	3					
Stornoway ...	30.47	50	48	E 4	6	3	Scilly ...						
Aberdeen ...							Jersey ...	30.30	58	51	E 3	bm	3
Shields ...							Dungeness ...	30.39	55	47	ESE 4	6	8
Ardrossan ...							London ...						*
Malin Head ...	30.36	54	60	SE 5	6f	3	Yarmouth ...						
Mullaghmore ...							Rochefort ...	30.24	68	61	E 5	6	2
Belmullet ...	30.31	56	57	SE 2	c	*							

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

The reports for yesterday morning showed that pressure was highest 30.5 ins. and upwards in a small area lying off the northeast of Scotland, but high 30.4 ins. and upwards in a long and broad band extending from the north of our Islands across our east coasts and the North Sea, to the Netherlands, South Germany and Austria. The lowest readings 29.2 ins. and less, were found in a deep depression lying over eastern Lapland. The wind was strong to a gale from W. or NW in Scandinavia, and equally strong from W. or SW in Finland and northern Russia. Over south Europe however, France and the west and south of our Islands it was light or fresh from the E. while in Spain it was very variable. Snow was falling in some parts of Scandinavia and northern Russia, and fog prevailed over eastern and central England, but elsewhere the weather was fair or fine. Temperature had risen somewhat in Sweden, Denmark, Germany and northern Russia, but fallen in most other localities, readings ranged from 68° and upwards, at several of the Spanish and Algerian stations to 32° or less, over the central parts of England, Germany and Russia and the neighbourhood of the White Sea. The highest individual readings were 68° at Nemours, 67° at Bilbao, San Fernando, Oran and Algiers, 66° at Palma and Oran, and 65° at Gize; the lowest were 23° at Archangel, 27° at Charkov, 28° at Kiew, 29° at Cambridge, Munster and Auda Pesth, and 30° at Moscow.

In the course of the day the depression over Lapland travelled away to the eastward, and the barometer rose somewhat in Scandinavia, with improving weather. Over our Islands little change was observed.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 14TH TO THE 20TH OCTOBER 1888.

During the past week the distribution of pressure over western Europe has again been anticyclonic, fair, dry weather has prevailed in all but the extreme western and northern districts, where a little rain has fallen. Thick fogs have been experienced pretty generally over England, and night frosts have occurred at most of the inland stations.

At the commencement of the time the central portion of the anticyclone lay over Ireland, and the prevailing winds were therefore N. — inclining to NW in the north, but to NE in the south. The high pressure system subsequently moved southeasterly to France and south Germany, whence it gradually extended northwards across the North Sea and Denmark to Scandinavia. The winds over our Islands therefore shifted to the SE. and on the 18th and 19th when some shallow depressions skirted our extreme west coasts they increased to a strong breeze at some of our western stations, with rain. At the close of the week, however, the anticyclone again extended westwards towards our Islands, and the strong winds in the west gradually subsided.

Two large depressions have passed across the north of Scandinavia.

The first, which was not very deep, but which was accompanied by a trough of "V-shaped" secondary disturbances, travelled across on the 15th and occasioned strong NW winds or gales in Norway.

The second, an equally large, but much deeper disturbance, passed over in the night of the 20th, when violent W. gales were experienced on some parts of the Norwegian coast.

The temperature of the period has remained low for the time of year, and over England night frosts have been very general.

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 23rd OCT^r 1888.
Issued by the Meteorological Office, 116, Victoria Street, London. R.H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.67	27	NN	4	b	29.75	+ .31	23	22	- 8	NNW	2	bc	*	34	?	-	
	Hernösand ...	29.87	36	NN	6	b	29.95	+ .23	33	31	- 6	Z	0	b	*	45	30	-	
	Stockholm ...	29.90	35	WNW	4	c	29.97	+ .13	30	27	- 3	WNW	2	b	*	43	28	-	
	Wisby ...	29.95	41	N	6	b	30.00		38	35		W	6	bc	*	48	28	-	
	Bodö ...	29.89	37	NN	4	r	29.91	+ .20	33	31	- 2	ESE	1	s	1	41	32	0.08	
	Christiansund...	30.17	37	WNW	6	r	30.00	- .15	38	36	+ 2	ESE	3	0	4	38	26	0.20	
	Skudesnaes ...	30.27	40	NNW	1	0	30.07	- .29	42	39	+ 3	ESE	4	0	3	42	39	0.12	
	Christiania Fjord (Fardar)	30.17	37	Z	0	0	30.08	- .10	42	36	+ 4	ENE	2	0	1	45	?	-	
	Skagen (The Scaw)	30.15	39	W	1	b	30.11	- .08	42	38	+ 1	SW	1	0	1	43	38	0.04	
	Fanö ...	30.23	45	NN	5	c	30.17	- .09	46	43	+ 4	WNW	4	c	*	46	?	-	
BRITISH ISLANDS.	Sumburgh Head	30.19	45	SW	1	0	29.94	- .47	49	49	+ 13	WNW	2	r	3	50	36	0.11	
	Stornoway ...	30.18	50	SW	4	r	30.04	- .29	53	53	+ 8	W	6	0	5	58	43	0.20	
	Wick ...	30.19	45	S	3	bc	30.03	- .34	53	52	+ 8	W	3	c	1	53	45	0.05	
	Nairn ...	30.23	51	W	1	r	30.09	- .29	52	50	+ 2	SW	1	0	1	55	40	0.05	
	Aberdeen...	30.26	45	SSW	1	c	30.10	- .34	46	45	+ 2	SW	1	cmp	3	49	43	0.07	
	Leith ...	30.31	47	SE	1	m	30.16	- .30	50	47	+ 7	W	3	c	*	52	42	-	
	Shields ...	30.33	46	SSW	2	m	30.18	- .18	48	46	+ 3	W	3	0	2	50	37	-	
	Spurn Head ...	30.38	47	SSW	2	0	30.23	- .22	41	39	- 6	SW	3	b	3	48	39	-	
	York ...	30.40	43	SE	1	b	30.24	- .25	35	35	- 9	SSW	1	bc	*	46	30	-	
	Loughborough	30.41	41	E	1	b	30.32	- .16	36	36	- 7	ESE	1	cfr	*	53	29	-	
GERMANY.	Ardrossan ...	30.35	49	SSW	2	om	30.21	- .24	51	50	+ 11	SSW	1	omv	1	52	39	-	
	Malin Head ...	30.26	32	S	4	af	30.21	- .16	49	48	+ 3	SW	4	om	3	52	46	-	
	Mullaghmore ...	30.30	51	WSW	1	bc	30.25	- .12	44	43	- 2	?	2	b	2	57	41	-	
	Belmullet ...	30.30	52	SW	1	b	30.23	- .13	52	49	+ 5	WSW	2	0	*	59	46	-	
	Donaghadee ...	30.34	48	SW	2	c	30.25	- .10	42	42	- 2	SW	2	f	0	53	40	-	
	Barrow-in-Furness	30.36	44	NE	2	b	30.27	- .18	43	42	+ 3	NE	2	f	*	47	39	-	
	Liverpool (Bidston)	30.38	45	SE	2	b	30.30	- .16	37	36	- 5	SSE	1	bef	2	50	33	-	
	Holyhead ...	30.36	50	Z	0	bm	30.28	- .13	56	49	+ 2	SSW	2	cmv	1	58	42	-	
	Parsonstown ...	30.38	48	Z	0	0	30.28	- .11	39	38	+ 3	SE	1	f	*	57	33	-	
	Valencia ...	30.30	53	SE	2	bm	30.27	- .06	50	48	+ 4	SE	1	omv	1	62	46	-	
FRANCE & NETHERLANDS.	Roche's Point...	30.25	53	SE	4	b	30.26	- .09	48	48	- 5	N	1	f	3	57	45	-	
	Pembroke ...	30.35	49	E	2	b	30.30	- .08	45	45	0	E	2	f	2	52	43	0.01	
	Scilly ...	30.29	55	E	5	bm	30.25	- .08	55	53	0	SE	2	bm	3	58	53	-	
	Prawle Point ...	30.37	52	ENE	5	b	30.32	- .06	52	50	+ 2	E	2	bc	3	55	48	-	
	Jersey ...	30.34	53	ENE	3	bm	30.33	- .04	41	39	- 8	NE	2	bm	2	60	38	-	
	Hurst Castle ...	30.40	49	ESE	3	m	30.34	- .09	48	47	+ 2	ESE	2	m	2	55	46	-	
	Dungeness ...	30.39	50	E	4	c	30.33	- .09	46	44	- 4	Z	0	c	0	51	45	-	
	London ...	30.43	43	SE	1	cf	30.24	- .11	34	32	- 8	SW	1	af	*	54	29	-	
	Oxford ...	30.44	39	SE	1	bc	30.24	- .14	41	40	+ 1	S	1	af	*	55	31	-	
	Cambridge ...	30.41	40	E	1	b	30.32	- .16	35	32	- 8	SW	1	f	*	49	27	-	
PENINSULA.	Yarmouth ...	30.43	47	Z	0	c	30.30	- .15	41	40	- 7	WSW	2	bm	2	49	37	-	
	Cuxhaven ...	30.34	44	NNW	3	0	30.21	- .12	47	45	+ 2	WNW	3	0	*	47	43	-	
	Berlin ...	30.29	40	Z	0	b	30.25	+ .06	44	42	+ 2	WNW	4	0	*	46	36	-	
	Wiesbaden ...	*	*	*	*	*	30.38	00	32	31	- 5	Z	0	f	*	48	32	-	
	Munich ...	30.38	36	Z	0	0	30.39	+ .05	31	30	- 3	SE	1	b	*	46	28	-	
	The Helder ...	30.40	47	WNW	1	c	30.29	- .12	45	45	+ 2	WSW	3	c	2	48	46	-	
	Brussels ...	*	*	*	*	*	30.37	- .09	36	36	- 4	Z	0	f	*	49	34	-	
	Cape Gris Nez...	30.40	46	ENE	4	0	30.38	- .06	39	39	- 6	S	1	m	1	32	37	-	
	Paris ...	30.57	44	NE	3	b	30.36	- .02	28	28	0	E	1	f	*	57	28	-	
	Brest ...	30.34	52	E	1	b	30.32	?	49	45	+ 6	ESE	4	b	3	64	37	-	
GERMANY.	Lorient ...	30.28	55	ESE	3	b	30.29	+ .03	45	41	0	E	4	b	2	61	43	-	
	Rocheport ...	30.28	58	ENE	4	b	30.30	+ .04	42	40	- 4	ENE	5	b	2	70	57	-	
	Belfort ...	30.33	39	E	1	b	30.30	- .02	41	39	0	E	1	b	*	50	29	-	
	Lyons ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Nice ...	30.15	53	FNE	4	b	30.22	- .02	49	46	- 1	NE	5	b	1	61	45	-	
	Perpignan ...	30.22	58	NE	3	0	30.24	+ .03	49	47	- 7	NE	3	b	*	67	46	-	
	Biarritz ...	30.23	62	WNW	4	0	30.24	+ .05	57	56	- 4	Z	0	0	1	66	55	-	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	30.23	61	NNW	5	b	30.25	00	55	54	- 3	N	4	b	3	70	54	-	

For Explanation of Columns, see p. 4.

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

1888.

(Explanation of Map)

\rightarrow = forces above 10; \rightarrow = forces 8 to 10;
 \rightarrow = forces 5 to 7; \rightarrow = forces 1 to 4;
 () = dead calm.

 = Rough = High

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

[illegible]

Rainfall. A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 1/5 in. or more, are quoted in figures.

[illegible]

NOTE - The Temperature means are for the 45 years 1871-85, the Rainfall means are mainly those for the 30 years 1866-85

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in. and more, in an anticyclone lying over France, South Germany, and the southern half of England.
Lowest, about 29.7 in. at Haparanda; 30.0 in. and less off the north of Scotland and west of Norway; and rather below 30.3 in. over the Bay of Biscay.
Gradients slight in the north, almost nil in the south.
Barometer falling, rather decidedly on our north and east coasts, slightly in the west and south.
Rising, quickly over the north of Sweden, slightly in the south-west of France.

TEMPERATURE

Highest, 57° at Bernitz, 55° at Linton and Sully, 53° at Stomox and Wick, 52° at Stirling and Balmuccie, and 50° at Valencia.
Lowest, 23° at Haparanda, 28° at Paris, 30° at Stockholm, 31° at Munich, 32° at Wiesbaden, 34° in London, 35° at York and 36° at Brussels.
It has risen decidedly over Scotland since yesterday.

WIND

Light from SW. in the north of Ireland, from W. in Scotland and the north-east of England, as well as over North Germany, from the E. in the west of Norway and also in the English Channel.
It is moderate E. over the Bay of Biscay, while calms and variable airs prevail over England and Ireland.

WEATHER

Showery and dull in the north, with snow at Bodø, fair elsewhere, but foggy in many places.
The rainfall in the north has not been heavy.

SEA

Moderate in the far north, slight to very smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow low-pressure system which has appeared near the Shetlands seems to be spreading southwards over the North Sea, so that a change of wind to NW. is probable on our north and east coasts. Elsewhere no great alteration is likely.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	{ SCOTLAND NORTH	NW ² winds, moderate and light; colder, cloudy, some cold showers.
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	W ² or NW ² winds and light breezes; foggy and fair alternately.
3	{ ENGLAND EAST	
4	{ MIDLAND COUNTIES	Calms and variable winds; cold foggy.
5	{ ENGLAND SOUTH	



DISTRICTS.

FORECASTS.

6	{ SCOTLAND WEST	SW ² and W ² breezes, light; slight showers.
7	{ ENGLAND N.W.	Varying winds and light breezes; foggy to fair.
8	{ ENGLAND S.W.	E ² breezes, light; fair, local fogs.
9	{ IRELAND NORTH	Same as N ^o 6.
10	{ IRELAND SOUTH	Same as N ^o 7.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.35	42	39	NNW	4	0	Holyhead ...	30.30	57	50	2	0	0
Sumburgh Head ...	30.27	45	43	S	1	1	Valencia ...	30.30	61	58	SE	4	bm 4
Stornoway ...	30.24	51	50	SW	6	0	Scilly ...	30.29	58	54	ESE	5	bm 5
Aberdeen ...	30.32	47	49	S	8	3	Jersey ...	30.34	59	51	E	3	6
Shields ...	30.40	45	48	SW	2	2	Dungeness ...	30.42	50	48	ESE	4	3
Ardrossan ...	30.37	51	48	SW	2	2	London ...	30.43	51	48	ESE	1	*
Malin Head ...	30.38	53	49	S	5	3	Yarmouth ...	30.44	49	46	2	0	bc 3
Mullaghmore ...	30.39	56	51	WNW	3	2	Rocheport ...	30.28	67	62	ESE	2	2
Belmullet ...	30.35	54	52	WNW	1	0							

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

The reports for yesterday morning showed that pressure was highest, 30.44 ins. and upwards, in an anticyclone lying over Great Britain, Holland and Belgium, and lowest, 29.3 ins. and less, in a large depression lying over northern Russia. The wind was strong to a gale from the NWnd over Sweden, Finland and the Baltic, and moderate from the same quarter in Denmark and the south of Norway. Over France, Spain and the south of England, however, it was NE^{ly} or E^{ly}, while in the north of our Islands it was S^{ly} or SW^{ly}. Snow was falling in some parts of Scandinavia and northern Russia, and rain at a few of the German and Austrian Stations. Elsewhere the weather was mostly fine, but fog or mist was reported in many parts of the British Islands. Temperature had risen over the greater part of Ireland and England, as well as in Germany and Austria, but fallen elsewhere; readings ranged from 60° and upwards in Spain and Algeria to 32° or less in northern and central Russia, and some parts of Austria and France. The highest individual readings were 67° at Algiers, 64° at Nemours, 63° at Palma, Oran and Jax, 62° at Oporto, and 61° at Bozanna, San Fernando and Biskra; the lowest were 26° at Clermont, 28° at Paris, 29° at Uleaborg and Kuopio, 30° at Charleville, Archangel, Moscow and Carlsruhe, and 31° at Nancy.

In the course of the day the barometer fell somewhat decidedly in the north of our Islands, and the anticyclone moved slowly southwards. SW^{ly} winds set in at most of our northern stations; but in the south variable or E^{ly} airs continued, with local fogs.

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).

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DAILY WEATHER REPORT.

for Wednesday 24th OCTOBER. 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

Issued by the Meteorological Office, No. 1, Victoria Street, London, W. 1. 1907.																			
8 A.M. TO DAY.																			
PAST 24 HOURS.																			
STATIONS.																			
+ YESTERDAY EVENING.																			
BAROMETER.																			
SHADE TEMP.																			
WIND.																			
WEATHER.																			
SEA.																			
RAINFALL.																			
STATIONS.																			
BAROMETER.																			
SHADE TEMP.																			
WIND.																			
WEATHER.																			
SEA.																			
RAINFALL.																			
SCANDINAVIA.	Haparanda ..	29.91	26	Z	0	b	29.91	-15	30	29	-3	Z	0	s	*	43	25	—	
	Hernösand ...	29.92	32	Z	0	b	29.88	-0.9	33	31	+	3	S	2	0	*	37	28	—
	Stockholm ...	29.97	40	N	4	b	29.95	-0.5	38	36	0	5	4	0	*	46	36	—	
	Wisby ...	29.97	40	N	4	b	29.95	-0.5	38	36	0	5	4	0	*	46	36	—	
	Bodö ...	29.85	31	Z	0	b	29.45	-1.6	31	28	-2	ENE	6	c	3	34	27	—	
	Christiansund...	29.94	44	SSW	4	0	29.45	-5.5	48	47	+	10	SW	3	r	3	48	?	0.24
	Skudesnaes ...	29.93	45	SSE	2	r	29.89	-0.5	50	49	+	8	SW	4	0	5	?	?	—
	Christiania Fjord	29.92	44	SW	2	c	29.77	-0.3	45	44	+	3	WSW	4	c	1	45	?	—
	(Færder)	29.92	44	SW	2	c	29.77	-0.3	45	44	+	3	WSW	4	c	1	45	?	—
	Skagen (The Seaw)	29.93	45	W	1	0	29.86	-0.5	48	48	+	6	W	3	f	2	48	?	—
Fanö ...	30.04	48	WSW	4	0	30.04	-1.3	50	40	+	4	WSW	2	m	*	50	46	0.04	
BRITISH ISLANDS.	Sumburgh Head	29.86	44	WNW	2	r	29.64	-3.0	50	50	+	1	W	3	r	3	50	43	0.04
	Stornoway ...	29.46	50	W	3	0	29.72	-3.2	52	52	-	1	SW	4	r	4	55	49	0.10
	Wick ...	29.95	52	W	1	c	29.75	-2.8	52	50	-	1	W	3	0	1	57	49	—
	Nairn ...	29.94	52	W	1	c	29.78	-3.1	52	51	0	SW	2	bc	1	59	50	—	
	Aberdeen...	30.02	48	W	1	b	29.87	-2.3	43	42	-3	SSW	2	cmv	2	62	40	—	
	Leith ...	30.08	50	W	3	c	29.95	-0.2	48	45	-2	W	3	om	*	57	43	—	
	Shields ...	30.10	48	WSW	3	b	29.99	-0.9	40	39	-8	SW	2	bcv	2	59	36	—	
	Spurn Head ...	30.13	48	S	2	bc	30.05	-1.8	45	43	+	4	SW	2	b	3	55	42	—
	York ...	30.14	48	W	2	b	30.06	-1.8	39	39	+	4	S	1	b	*	56	34	—
	Loughborough	30.40	45	WSW	1	bc	30.12	-2.0	29	29	-7	SE	1	f	*	58	29	—	
GERMANY.	Ardrossan ...	30.13	50	SSW	1	bcv	29.96	-2.5	50	48	-	1	SSW	3	bc	3	52	48	—
	Malin Head ...	30.15	50	WSW	3	om	29.92	-2.9	49	47	+	8	SW	5	om	3	54	44	—
	Mullaghmore ...	30.14	45	SW	2	b	29.97	-2.8	52	49	+	8	SW	4	0	2	57	43	—
	Belmullet ...	30.13	52	SSW	2	0	29.95	-2.8	53	52	+	1	SSW	3	0	*	54	51	0.01
	Donaghadee ...	30.15	44	WNW	2	f	30.01	-2.4	46	46	+	4	SSW	3	bc	1	55	41	—
	Barrow-in-Furness	30.17	51	SW	2	0	30.04	-2.3	48	47	+	5	S	3	0	*	53	42	—
	Liverpool (Bidston)	30.20	50	WSW	1	bc	30.08	-2.2	44	43	+	7	SSW	2	gf	2	54	37	—
	Holyhead ...	30.14	51	SSW	3	bc	30.04	-2.4	52	51	+	2	WSW	2	om	2	56	50	—
	Parsonstown ...	30.17	48	Z	0	0	30.08	-2.5	49	47	+	10	Z	0	C	*	54	38	0.01
	Valencia ...	30.16	52	WSW	1	bcv	30.01	-2.6	56	55	+	6	SSE	3	0	3	57	48	0.06
FRANCE & NETHERLANDS.	Roche's Point...	30.16	55	ESE	3	C	30.03	-2.3	55	54	+	7	SW	2	cw	3	56	48	0.01
	Pembroke ...	30.21	44	SSE	2	m	30.09	-2.1	52	51	+	7	W	1	cgp	2	55	45	0.01
	Seilly ...	30.20	55	S	1	0	30.04	-1.6	55	55	0	ESE	1	0.5p	3	60	58	0.04	
	Prawle Point ...	30.24	53	E	2	b	30.15	-1.7	52	52	0	ENE	1	C	2	59	45	0.01	
	Jersey ...	30.25	46	NE	1	bcv	30.18	-1.5	41	40	0	Z	0	bcv	0	59	38	0.04	
	Hurst Castle ...	30.25	49	SW	1	m	30.17	-1.7	39	39	-9	Z	0	f	0	56	35	—	
	Dungeness ...	30.28	49	SSW	2	b	30.16	-1.7	37	36	-9	NNW	1	f	1	54	30	0.01	
	London ...	30.23	41	SW	1	f	30.16	-1.8	34	34	0	WSW	1	f	*	54	32	—	
	Oxford ...	30.22	41	WSW	1	f	30.16	-1.8	39	39	-8	SW	1	f	*	54	32	—	
	Cambridge ...	30.21	40	W	1	b	30.14	-1.8	34	30	-1	SSW	1	b	*	49	30	—	
PENINSULA.	Yarmouth ...	30.14	41	W	2	bf	30.11	-1.9	37	36	-4	W	2	bc	2	46	32	—	
	Cuxhaven ...	30.21	44	WSW	3	0	30.17	-0.4	46	46	-	1	SW	3	f	*	47	43	—
	Berlin ...	30.19	44	WNW	3	0	30.18	-0.7	44	42	0	W	2	0	*	46	41	—	
	Wiesbaden ...	*	*	*	*	*	30.26	-1.2	39	39	+	1	Z	0	C	*	48	30	—
	Munich ...	30.25	55	W	1	m	30.30	-0.9	32	81	+	1	NNW	1	b	*	46	28	—
	The Helder ...	30.15	50	SW	3	C	30.12	-1.7	39	38	-9	S	1	f	1	52	39	—	
	Brussels ...	*	*	*	*	*	30.20	-1.7	40	39	+	4	SSW	4	bc	*	50	36	—
	Cape Gris Nez...	30.23	46	SW	1	m	30.15	-1.8	44	44	+	5	S	3	f	1	50	37	0.04
	Paris ...	30.26	41	NNE	1	b	30.23	-1.3	28	28	0	S	1	f	*	54	23	—	
	Brest ...	30.26	57	Z	0	b	30.19	-1.3	54	52	+	5	SE	3	0	3	66	41	—

WEATHER

CHARTS

for 8 a.m. on Wednesday, 24th October, 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

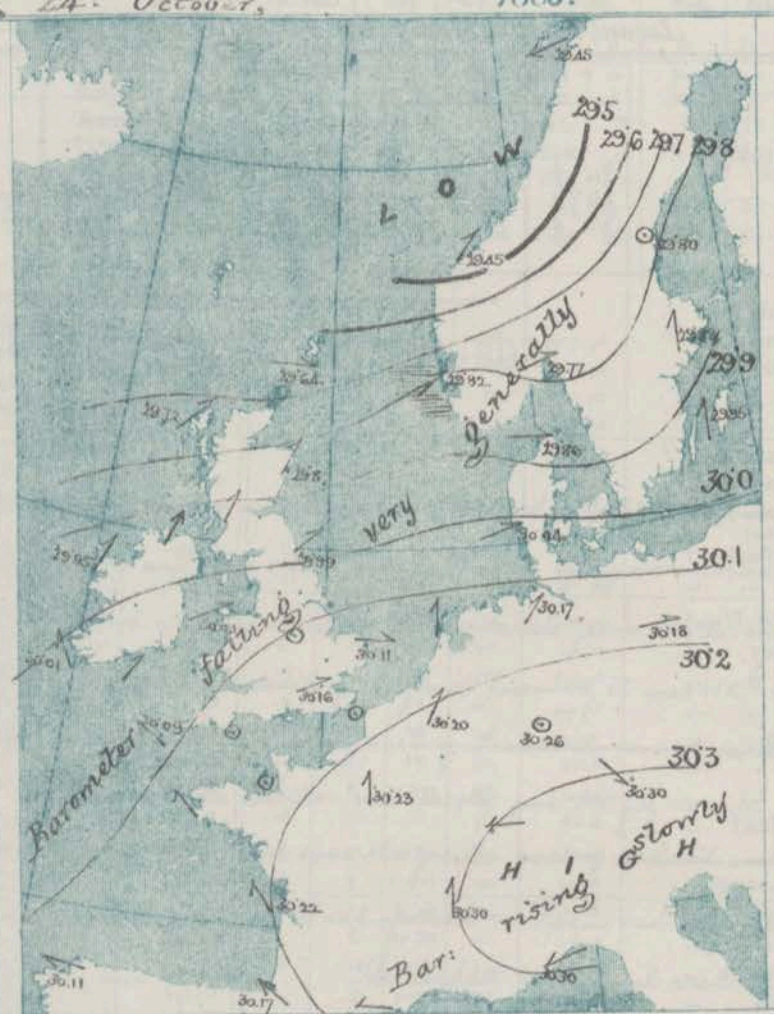
Barometer — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
Wind — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —
 → = forces above 10; → = forces 8 to 10;
 → = forces 5 to 7; → = forces 1 to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

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

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head...	29.708
Stornoway...	29.735
Wick...	29.745
Nairn...	29.761
Aberdeen...	29.774
Leith...	29.804
Shields...	29.835
York...	29.872
Loughborough...	29.891
Ardrossan...	29.813
Donaghadee...	29.832
Holyhead...	29.853
Liverpool...	29.864
Parsonstown...	29.881
Valencia...	29.873
Roche's Point...	29.870
Pembroke...	29.868
Scilly...	29.894
Jersey...	29.904
Hurst Castle...	29.907
Dover...	29.909
LONDON...	29.911
Oxford...	29.910
Cambridge...	29.900
Yarmouth...	29.886



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 October.

For the month of OCTOBER.						RAINFALL. (Inches)
STATIONS	TEMPERATURE.					
	Daily Max.	Daily Min.	at 3 a.m.			
Dry.			Wet.			
Sumburgh Head	49.7	41.6	46.0	44.3	4.83	
Stornoway	50.5	39.5	45.3	44.1	4.94	
Wick	51.6	40.1	46.1	44.3	2.94	
Nairn	51.6	40.6	44.5	42.5	2.38	
Aberdeen	52.3	41.0	45.5	43.5	2.88	
Leith	54.7	41.5	46.5	44.7	1.94	
Shields	53.0	42.8	47.1	45.4	2.46	
York	54.8	41.0	45.9	44.5	2.64	
Loughborough	55.3	41.4	46.4	45.0	2.98	
Ardrossan	53.5	43.6	47.6	45.6	4.31	
Donaghadee	53.2	43.3	47.7	46.5	3.85	
Holyhead	54.5	47.0	50.2	48.2	4.53	
Liverpool	53.8	44.6	47.8	45.8	3.62	
Parsonstown	54.7	41.1	48.4	44.7	3.27	
Valencia	56.6	46.5	51.3	49.1	6.09	
Roche's Point	55.8	45.9	50.2	48.4	4.17	
Pembroke	54.8	48.0	51.2	49.1	4.13	
Scilly	56.6	50.3	53.8	51.7	3.84	
Jersey	58.1	49.2	53.6	51.1	4.34	
Hurst Castle	57.1	46.0	51.4	49.6	3.24	
Dover	55.8	47.0	50.7	48.7	3.28	
LONDON	56.6	43.2	48.0	46.4	2.74	
Oxford	55.3	42.5	46.7	45.3	2.72	
Cambridge	56.4	41.2	46.4	45.4	2.36	
Yarmouth	54.3	44.8	49.2	47.9	2.97	

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest 30.20 to 30.30 ins. in an anticyclone lying over France and Germany.</p> <p>Lowest 29.5 ins. and less on the northwest coast of Norway, and about 29.7 ins. in the west of Scotland.</p> <p>Gradients moderate in the north, slight elsewhere.</p> <p>Barometer falling generally, most in the north and northwest.</p>
TEMPERATURE	<p>Highest 57° at Lisbon, 56° at Valencia, 65° at Scilly, 54° at Brest and Perpignan 52° at Hornum and thick, 50° at Lumburg, 49° at Paris.</p> <p>Lowest 28° at Paris, 29° at Loughborough 30° at Hernsand, 31° at Oslo, 32° at Munich, 33° at Wiesbaden and Belfort.</p> <p>It is now rising in the north of England, and the rise seems to be spreading southwards.</p>
WIND	<p>Moderate E⁴ in the south of France — SE⁴ over the Bay of Biscay.</p> <p>S⁴ on our western coasts, SW⁴ in the north, light W⁴ in Denmark.</p> <p>Calms and variable airs prevail over England. Light SW⁴ breezes in the Netherlands.</p>
WEATHER	<p>Rather rainy in the far north with snow at Hernsand, dull in Ireland, slightly showery in the southwest of England.</p> <p>Thick wet fog prevails over the greater part of Holland, England and the Channel, also at Paris.</p> <p>In the southeast and south of France the sky is clear.</p>
SEA	<p>Smooth or nearly so on all our coast.</p>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the barometer still falls in the west and north, it is probable that the SW⁴ wind will become a decided current over England during the day, and bring with it milder and brighter weather. In the west and northwest a freshening of the wind from the S⁴ is probable, accompanied by showers in many places, and some increase of sea disturbance.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	N ⁴ and SW ⁴ winds, moderate to fresh; rain at times.	6 { SCOTLAND WEST	Same as N ^o 0.
1 { SCOTLAND EAST	SW ⁴ breezes, light; fine, mild.	7 { ENGLAND N.W.	
2 { ENGLAND N.E.		8 { ENGLAND S.W.	Same as N ^{os} 3 to 5.
3 { ENGLAND EAST		9 { IRELAND NORTH	S ⁴ winds, freshening; cloudy, rain at times — most in the west.
4 { MIDLAND COUNTIES	SW ⁴ breezes, light; fog clearing off, mild, fine.	10 { IRELAND SOUTH	
5 { ENGLAND SOUTH			
		WARNINGS	NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Waa.	Sea.		Bar.	Dry.	Wet.	Wind.	Waa.	Sea.
Skudesnaes ...	29.86	46	46	SSE 6	rj	4	Holyhead ...	30.22	55	52	SSW 3	c	2
Samburgh Head ...	29.90	50	50	WNW 2	m	3	Valencia ...	30.19	57	52	SSE 3	om	2
Stornoway ...	29.99	55	54	W 3	0	2	Scilly ...	30.22	58	55	SE 2	b	2
Aberdeen ...	30.04	60	54	SSW 2	b	2	Jersey ...	30.28	58	52	L 0	b	0
Shields ...	30.13	56	50	WSW 2	c	2	Dungeness ...	30.27	53	49	SW 1	b	1
Ardrossan ...	30.16	52	50	SSW 2	c	2	London ...	30.27	51	48	WSW 1	cm	*
Malin Head ...	30.24	53	57	SW 4	0	3	Yarmouth ...	30.23	44	43	W 3	b	3
Mullaghmore ...	30.18	55	51	SW 1	b	2	Rochefort ...	30.27	63	59	ESE 3	b	2
Belmullet ...	30.16	54	51	SW 3	0	*							

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

Yesterday morning's reports showed that while pressure was recovering over northern Europe from the depression which passed over that region the previous day, it was giving way in the northwest and west, but not rapidly. At 8 a.m. the readings varied from between 30.3 ins. and 30.4 ins. over France, Germany and Austria to 29.3 ins. over the White Sea, to 29.9 ins. in the Shetlands, and to about 30.2 ins. over the Mediterranean. The winds reported were consequently very light and moderate in force generally. They were SW^{ly} and W^{ly} at the northwestern stations, NW^{ly} over Finland, NE^{ly} in the south, and E^{ly} over the Bay of Biscay. Calms and variable airs prevailed over central Europe and England. The weather was fine in most places, but a great deal of fog prevailed over the British Islands and France, and rain and snow were reported at some of the extreme northern and northwestern stations. Temperature was very low but beginning to rise decidedly in the extreme northwest. It ranged from 60° and more, over the southern and eastern parts of the Mediterranean to considerably below the freezing point over Finland, Russia and central France, and to very little above the freezing point over England. The highest individual values were 64° at Aras, Ispas and Barcelona, 62° at Malta, 57° at Brindisi, 55° at Scilly, 53° at Stornoway and Wick; the lowest were 23° at Haparanda and Ulleaborg, 24° at Clermont, 27° at Loharville, 28° at Paris, 29° at Helsingfors, and 30° at Kiev. Later on the barometer began to fall still more decidedly in the northwest and west, & S^{ly} to SW^{ly} winds became more general in those regions.

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

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. 0 to 2.	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.60	24	SE	7	bc	29.38	- .42	24	23	- 2	ENE	6	0	*	28	21	0.24	
	Hernösand ...	29.36	36	SSW	2	0	29.38	- .42	38	35	+ 8	SW	2	0	*	39	21	0.08	
	Stockholm ...	29.57	48	WSW	2	0	29.58	- .30	48	45	+ 15	WSW	4	0	*	48	27	—	
	Wisby ...	29.78	48	SSW	6	0	29.72	- .23	46	44	+ 8	W	6	0	*	50	36	—	
	Bodö ...	29.26	31	ENE	6	5	29.36	- .09	29	27	- 2	ENE	5	0	*	32	27	—	
	Christiansund...	29.34	42	WSW	8	r	29.60	+ .15	41	38	- 7	WNW	6	0	4	?	37	0.87	
	Skudesnaes ...	29.69	50	WSW	6	r	29.76	- .06	45	44	- 5	NW	2	r	3	50	45	—	
	Christiania Fjord (Færd)	29.60	50	SW	8	c	29.63	- .14	51	49	+ 6	WSW	8	c	4	51	?	—	
	Skagen (The Scaw)	30.12	48	W	4	0	29.73	- .13	48	47	0	W	5	m	3	52	46	—	
	Fanö ...	29.98	49	WSW	5	c	29.90	- .14	51	50	+ 1	SW	4	0	*	52	48	—	
BRITISH ISLANDS.	Sumburgh Head	29.62	47	W	2	0	29.73	+ .09	43	40	- 7	ENE	1	0	2	51	39	0.05	
	Stornoway ...	29.70	47	SW	3	r	29.53	- .19	49	49	- 3	SE	5	r	4	53	43	0.70	
	Wick ...	29.71	48	NW	3	r	29.64	- .11	45	45	- 7	SE	5	du	3	55	43	0.25	
	Nairn ...	29.71	53	WSW	2	bc	29.61	- .17	49	48	- 3	Z	0	r	1	56	49	0.11	
	Aberdeen...	29.77	52	SSW	3	cp	29.69	- .18	50	49	+ 7	S	3	ogr	3	58	43	0.15	
	Leith ...	29.85	51	W	4	c	29.70	- .25	56	52	+ 8	SW	4	c	*	56	47	—	
	Shields ...	29.90	49	SW	2	bc	29.80	- .19	51	49	+ 11	S	2	cm	2	53	39	—	
	Spurn Head ...	29.97	51	SSW	2	0	29.91	- .14	50	49	+ 5	S	4	c	4	55	44	—	
	York ...	29.97	51	S	1	0	29.87	- .19	50	49	+ 11	SSE	1	c	*	54	38	—	
	Loughborough	30.02	51	SW	2	0	29.93	- .19	51	50	+ 12	SSW	2	c	*	59	39	—	
GERMANY.	Ardrossan ...	29.86	51	SSW	4	0	29.69	- .27	53	52	+ 3	S	4	om	3	53	50	0.03	
	Malin Head ...	29.80	53	SSW	5	0	29.54	- .38	52	51	+ 3	S	7	ogr	4	54	48	—	
	Mullaghmore ...	29.82	55	S	5	0	29.55	- .42	56	53	+ 4	SSE	6	og	5	56	51	0.02	
	Belmullet ...	29.83	54	S	4	0	29.52	- .43	55	54	+ 2	SSW	6	om	*	55	52	0.02	
	Donaghadee ...	29.90	52	WSW	2	c	29.70	- .31	54	53	+ 8	SSW	3	c	1	55	45	0.01	
	Barrow-in-Furness	29.95	50	SSE	3	0	29.82	- .22	50	49	+ 2	SE	5	0	*	52	48	0.09	
	Liverpool (Bidston)	29.98	52	SW	2	0	29.86	- .22	50	49	+ 6	SSE	3	0	3	53	44	0.01	
	Holyhead ...	29.97	54	SW	4	om	29.78	- .26	55	53	+ 3	S	4	c	4	55	51	0.02	
	Parsonstown ...	29.90	54	Z	0	0	29.65	- .38	55	53	+ 6	SW	1	c	*	58	48	0.03	
	Valencia ...	29.85	57	SSE	6	og	29.62	- .39	59	57	+ 3	SSW	6	0	6	59	55	0.17	
FRANCE & NETHERLANDS.	Roche's Point...	29.91	56	SW	3	c	29.69	- .24	56	55	+ 1	SSW	5	p	4	57	54	0.28	
	Pembroke ...	29.98	54	S	2	c	29.81	- .28	56	55	+ 4	S	5	ogr	5	56	52	—	
	Scilly ...	29.99	56	WSW	2	0	29.84	- .25	57	56	+ 2	SSW	6	c	5	57	53	0.01	
	Prawle Point ...	30.06	55	SSE	1	0	29.95	- .20	55	54	+ 3	S	5	cu	4	57	50	0.06	
	Jersey ...	30.10	54	Z	0	bc	30.04	- .14	52	50	+ 11	SE	3	cp	3	60	40	—	
	Hurst Castle ...	30.09	52	SSE	1	f	29.99	- .18	55	55	+ 16	SW	4	cp	2	56	31	0.12	
	Dungeness ...	30.09	52	WSW	3	c	30.02	- .14	53	52	+ 16	SW	3	bc	2	59	36	0.01	
	London ...	30.08	48	SW	1	fw	30.00	- .16	52	50	+ 18	S	2	0	*	54	33	—	
	Oxford ...	30.05	49	SSW	1	0	29.97	- .19	51	50	+ 18	S	2	0	*	60	33	0.01	
	Cambridge ...	30.05	44	SW	1	0	29.99	- .15	51	49	+ 17	S	1	0	*	60	32	—	
PENINSULA.	Yarmouth ...	30.03	49	SW	2	bf	29.99	- .12	49	47	+ 12	SW	2	bc	2	54	36	—	
	Cuxhaven ...	30.11	43	WSW	3	f	30.01	- .16	44	43	- 2	SSW	2	f	*	47	42	—	
	Berlin ...	30.14	47	SW	2	0	30.13	- .05	38	37	- 6	SW	1	f	*	52	36	—	
	Wiesbaden ...	*	*	*	*	*	30.13	- .03	34	34	+ 1	Z	0	f	*	45	30	—	
	Munich ...	30.21	39	NE	2	bc	30.30	- .00	38	35	+ 6	SW	4	b	*	54	32	—	
	The Helder ...	30.05	50	SSW	3	bc	30.02	- .10	51	51	+ 12	SSW	3	f	2	52	39	—	
	Brussels ...	*	*	*	*	*	30.12	- .08	43	42	+ 3	S	1	b	*	55	41	—	
	Cape Gris Nez...	30.10	51	SSW	4	m	30.03	- .12	46	43	+ 2	SW	4	b	3	54	43	—	
	Paris ...	30.15	44	SE	1	b	30.04	- .09	30	30	+ 2	S	1	f	*	56	38	—	
	Brest ...	30.15	57	SE	4	0	29.99	- .20	58	57	+ 4	S	4	0	4	66	48	—	

For Explanation of Columns, see p. 4.

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

1888.

(Explanation of Map)

Sea Disturbance—where considerable is shewn thus.

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

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

- Pressure Systems:**
 - A **LOW** pressure system is located in the upper right quadrant, with a central pressure of 29.4 and a minimum of 29.36. It is labeled "LOW" and "rising 1/248".
 - A **LOW** pressure system is located in the lower left quadrant, with a central pressure of 29.5 and a minimum of 29.36. It is labeled "LOW" and "Bar. falling".
 - A **HIGH** pressure system is located in the lower right quadrant, with a central pressure of 30.3 and a maximum of 30.36. It is labeled "rising HIGH".
- Fronts:**
 - A **Bar. falling** front is indicated by a line with triangles pointing towards the low pressure system in the lower left.
 - A **Bar. rising** front is indicated by a line with triangles pointing away from the low pressure system in the upper right.
 - A **Bar. decreasing** front is indicated by a line with triangles pointing towards the low pressure system in the center.
- Other Features:**
 - A **Barometer** is indicated by a line with triangles pointing towards the low pressure system in the lower left.
 - A **Bar. check** is indicated by a line with triangles pointing towards the low pressure system in the lower left.
 - A **Bar. up** is indicated by a line with triangles pointing towards the low pressure system in the lower left.
 - A **Bar. down** is indicated by a line with triangles pointing towards the low pressure system in the lower left.
 - A **Bar. check** is indicated by a line with triangles pointing towards the low pressure system in the lower left.

AND RAINFALL
for the month of October

A hand-drawn map of Europe and North Africa with handwritten weather notes and isotherms. The map shows isotherms for 30, 40, 50, and 60 degrees Fahrenheit. Handwritten notes include "COLDER" and "faster" in the north, "GENERALLY" in the center, and "WARMER" and "RATHER WARMER" in the south. A note in the northwest says "Slight snow has fallen". A note in the center says "MUCH WARMER HERE". The map also shows latitude and longitude lines and various temperature readings at specific locations.

NOTE - The Temperature means are for the 16 years 1871-85, the Rainfall means are mainly those for the 20 years 1866-85

GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.20 to 30.35 ins. over the southeast of France, Switzerland and Austria. Lowest 29.6 ins. and less in a depression lying over Scandinavia; — 29.5 ins. and less in another lying off the northwest of Ireland. Gradients have become somewhat steep, for S.W. winds over the United Kingdom. Barometer is falling except in the northwest of Norway and over the Gulf of Genoa.
TEMPERATURE	Highest 64° at Biarritz, 59° at Valencia, 58° at Bristol, 57° at Lisbon and Bally and 50° to 55° at our western and southern stations generally, and 51° at Fano. Lowest 22° at Haparanda, 29° at Bodö, 30° at Paris, 34° at Wiesbaden, 38° at Berlin and Munich. In Paris it rose to 56° during yesterday, but fell fast again during the night.
WIND	S.W. (SE to SSW) over the British Islands and France — strong at the western stations, light to moderate in the east and south. Over Scandinavia there is an almost complete cyclonic circulation of strong winds reported this morning.
WEATHER	Still foggy over parts of France and Germany — Dull generally elsewhere, with showers in several places. Some rain has fallen generally on the west and northwest — heavily at Stormorway.
SEA	Rough at our western stations, moderate in the north, slight or smooth in the east and southeast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

S.W. winds, and showery squally weather are likely to prevail generally, and gales from the same quarter are not improbable in the far west. The S. cone was hoisted last evening in Ireland and the west of Scotland.

FORECASTS

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

DISTRICTS.		FORECASTS.	
0	{ SCOTLAND NORTH	S ^{ly} winds, freshening considerably, mild, showery.	
1	{ SCOTLAND EAST		
2	{ ENGLAND N. E.		
3	{ ENGLAND EAST	S ^{ly} wind, moderate to fresh. mild, some slight showers.	
4	{ MIDLAND COUNTIES		
5	{ ENGLAND SOUTH		

DISTRICTS.		FORECASTS.	
6	{ SCOTLAND WEST	S ^{ly} winds, strong; squally, possibly a gale in places, showery.	
7	{ ENGLAND N. W.		
8	{ ENGLAND S. W.		
9	{ IRELAND NORTH	The SOUTH CONE was hoisted last evening in districts 9, 10 and part of 6.	
10	{ IRELAND SOUTH		
WARNINGS			

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudeanaes ...	29.75	50	44	WSW	2	of	Holyhead ...	29.99	55	54	SW	4	om	3
Samburgh Head ...	29.61	49	45	W	3	od	Valencia ...	29.92	58	56	S	5	omg	5
Stornoway ...	29.60	53	52	SW	6	o	Scilly ...	30.02	56	56	SSW	1	f	2
Aberdeen ...	29.78	55	50	SW	3	c	Jersey ...	30.12	58	58	SE	1	bc	1
Shields ...	29.93	58	49	SW	2	omv	Dungeness ...	30.09	58	54	W	1	m	1
Ardrossan ...	29.90	51	49	SSW	4	o	London ...	30.09	51	48	SW	1	bm	*
Malin Head ...	29.85	53	52	SSW	5	o	Yarmouth ...	30.06	54	49	WSW	2	b	2
Mullaghmore ...	29.88	56	52	SSW	14	o	Rochefort ...	30.32	51	50	SE	4	m	2
Belmullet ...	29.87	55	48	SW	2	o								

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

The reports for yesterday morning showed that pressure was highest, 30.3 ins. and upwards, in an anticyclone which extended from Switzerland and Northern Italy to the Black Sea and lowest 29.5 ins. and less, in a large depression lying off the west of Norway. Another disturbance, with readings below 29.6 ins., was, however, travelling away over Northern Russia. The wind was SW² over our Islands, the North Sea, and the south of Denmark, and S² in the south of Sweden. Over the Gulf of Finland and the Baltic Provinces, however, N² breezes were reported, while over Southern Europe the wind varied between NE and SE. The weather was fine in all the more southern countries but foggy over England, and cloudy over the northern and northwestern regions, with rain in many places, and snow at Hainan and Moscow. Temperature had fallen somewhat over the central part of England and France, as well as in Northern Russia, but risen in Scandinavia, Denmark and the west of our Islands; readings ranged from 60° and upwards in Spain and Algeria to 32° or less over Northern Russia and the central parts of England, France, Germany, and Austria. The highest individual readings were 66° at Oax, 65° at Malta and Algiers, 64° at Bilbao, Girona, San Fernando, and Algiers, and 63° at Oporto; the lowest were 23° at Kuspie, 25° at Arkangel and Helsinki, 26° at Haparanda, Uleaborg and Hangö, 27° at Clermont, and 28° at Paris, Charleville, and Hermannstadt.

In the course of the day the barometer fell somewhat decidedly over our Islands, while the wind on our extreme western coasts increased from the southward. The weather, however, remained practically unchanged.

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

Issued by the Meteorological Office, 116, Victoria Street, London, W. 1. 1907, Saturday.																		
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 ..	29.93	14	N	2	b	30.21	+ 83	4	3	- 20	2	0	b	*	23	?	-
	Hernösand ...	29.94	30	NE	2	0	30.10	+ 72	32	32	- 6	NE	2	s	*	45	28	0.16
	Stockholm ...	29.91	41	7 th	0	c	29.99	+ 41	40	39	- 8	ESE	2	r	*	52	37	0.05
	Wishby ...	29.93	42	SW	4	r	30.02	+ 30	47	46	+ 1	S	2	o	*	50	?	0.12
	Bodö ...	29.76	29	ESE	6	0	29.92	+ 86	27	25	- 2	ESE	6	b	3	30	25	-
	Christiansund...	29.84	39	W	2	c	29.75	+ 15	37	37	- 4	ESE	1	c	3	14	?	-
	Skudesnaes ...	29.75	50	WSW	7	r	29.75	- 01	51	50	+ 6	S	6	r	3	50	48	0.35
	Christiania Fjord (Farder)	29.84	49	SSE	2	c	29.83	+ 20	50	49	- 1	SSW	4	r	3	50	48	0.08
	Skagen (The Sea)	29.88	49	W	3	m	29.90	+ 17	49	48	+ 1	WSW	3	m	3	54	48	-
	Fanö ...	30.00	50	SW	4	c	30.02	+ 12	49	48	- 2	SW	4	c	*	54	48	-
BRITISH ISLANDS.	Sumburgh Head	29.60	40	ESE	4	r	29.51	- 22	47	46	+ 4	ESE	4	r	5	14	39	0.84
	Stornoway ...	29.41	53	SW	6	r	29.39	- 14	54	54	+ 5	SW	6	r	6	54	47	1.00
	Wick ...	29.50	60	S	3	c	29.46	- 18	58	53	+ 10	W	5	bc	2	55	45	0.15
	Nairn ...	29.50	55	20	0	c	29.47	- 14	58	56	+ 9	W	3	bc	1	58	48	0.01
	Aberdeen...	29.60	52	S	4	og	29.60	- 09	54	52	+ 4	S	4	cq	4	56	50	0.05
	Leith ...	29.62	56	SW	4	bc	29.62	- 08	59	56	+ 3	SW	5	c	*	60	56	0.01
	Shields ...	29.75	57	S	4	bc	29.74	- 06	58	56	+ 7	SSW	3	0	2	59	50	-
	Spurn Head ...	29.86	58	S	4	c	29.90	- 01	55	53	+ 5	SSW	5	0	4	56	50	-
	York ...	29.82	58	SSE	2	0	29.86	- 01	58	56	+ 8	SSE	2	0	*	60	49	-
	Loughborough	29.89	57	SSW	4	c	29.93	- 00	59	57	+ 8	SSW	3	0	*	62	51	-
GERMANY.	Ardrossan ...	29.61	54	S	4	0	29.65	- 04	54	54	+ 1	SW	4	0	4	54	52	0.23
	Malin Head ...	29.48	57	SSW	6	bc	29.54	- 00	56	55	+ 4	SSW	4	0	3	58	52	0.02
	Mullaghmore ...	29.50	58	SSW	6	c	29.57	+ 02	56	55	0	SSW	5	0	4	61	52	0.15
	Belmullet ...	29.46	56	SW	6	cm	29.55	+ 03	55	55	0	SW	6	0	*	57	52	0.32
	Donaghadee ...	29.64	56	S	2	0	29.67	- 03	56	55	+ 2	SSW	3	c	1	57	53	0.04
	Barrow-in-Furness	29.75	54	SE	4	0	29.78	- 04	55	55	+ 5	S	5	0	*	56	50	0.24
	Liverpool (Bidston)	29.80	57	S	3	c	29.83	- 03	60	56	+ 10	SSW	4	60	3	61	50	0.01
	Holyhead ...	29.75	56	SSW	5	0	29.80	+ 02	57	56	+ 2	SSW	6	dm	5	61	50	0.08
	Parsonstown ...	29.68	58	WSW	2	0	29.68	+ 03	57	55	+ 2	WSW	3	c	*	61	54	0.09
	Valencia ...	29.56	59	S	7	og	29.64	+ 02	59	57	0	S	7	og	6	60	57	0.34
FRANCE & NETHERLANDS.	Roche's Point...	29.68	56	SSW	6	op	29.72	+ 03	57	57	+ 1	SSW	5	rm	4	57	56	0.20
	Pembroke ...	29.61	56	S	4	0	29.86	+ 05	57	56	+ 1	SSW	5	dm	6	58	55	0.07
	Scilly ...	29.84	58	SSW	5	0	29.91	+ 07	58	57	+ 1	SSW	5	om	5	59	56	0.03
	Prayle Point ...	29.94	57	S	4	0	30.03	+ 08	57	57	+ 2	S	5	og	4	57	52	0.04
	Jersey ...	30.04	58	S	3	ogm	30.13	+ 09	58	57	+ 6	S	4	ogm	3	59	51	-
	Hurst Castle ...	30.00	57	SSW	5	c	30.07	+ 08	58	57	+ 3	SW	7	cpd	4	58	55	0.03
	Dungeness ...	30.03	55	SSW	4	c	30.10	+ 08	57	56	+ 4	SW	5	c	4	58	53	-
	London ...	29.99	55	S	2	bc	30.06	+ 06	57	57	+ 7	S	3	0	*	63	52	0.01
	Oxford ...	29.95	55	S	3	0	30.01	+ 04	58	57	+ 7	S	3	od	*	60	51	-
	Cambridge ...	29.96	54	SW	1	0	30.01	+ 02	58	57	+ 7	SSW	1	0	*	63	49	-
PENINSULA.	Yarmouth ...	29.98	53	SSW	3	bc	30.02	+ 03	55	54	+ 6	SSW	4	bc	3	55	48	-
	Cuxhaven ...	30.12	86	SW	2	b	30.11	+ 10	48	47	- 6	S	2	m	*	50	?	-
	Berlin ...	30.19	?	SW	1	b	30.26	+ 13	40	39	+ 2	SW	1	b	*	45	37	-
	Wiesbaden ...	*	*	*	*	*	30.34	+ 11	39	38	+ 5	20	0	bc	*	46	?	-
	Munich ...	30.34	41	2	0	c	30.44	+ 14	45	43	+ 7	SE	1	0	*	57	?	-
	The Helder ...	30.04	46	S	1	b	30.08	+ 06	51	50	0	SSW	3	bc	2	54	45	-
	Brussels ...	*	*	*	*	*	30.21	+ 09	53	51	+ 10	S	4	b	*	58	?	-
	Cape Gris Nez...	30.04	53	SW	5	0	30.08	+ 05	54	53	+ 8	SW	5	c	4	57	45	-
	Paris ...	30.19	54	SSE	3	bc	30.26	+ 12	50	49	+ 20	S	3	bc	*	64	?	-
	Brest ...	30.02	59	SW	5	0	30.11	+ 12	59	57	+ 1	SW	5	0	4	66	44	-

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on Friday, 26th October, 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

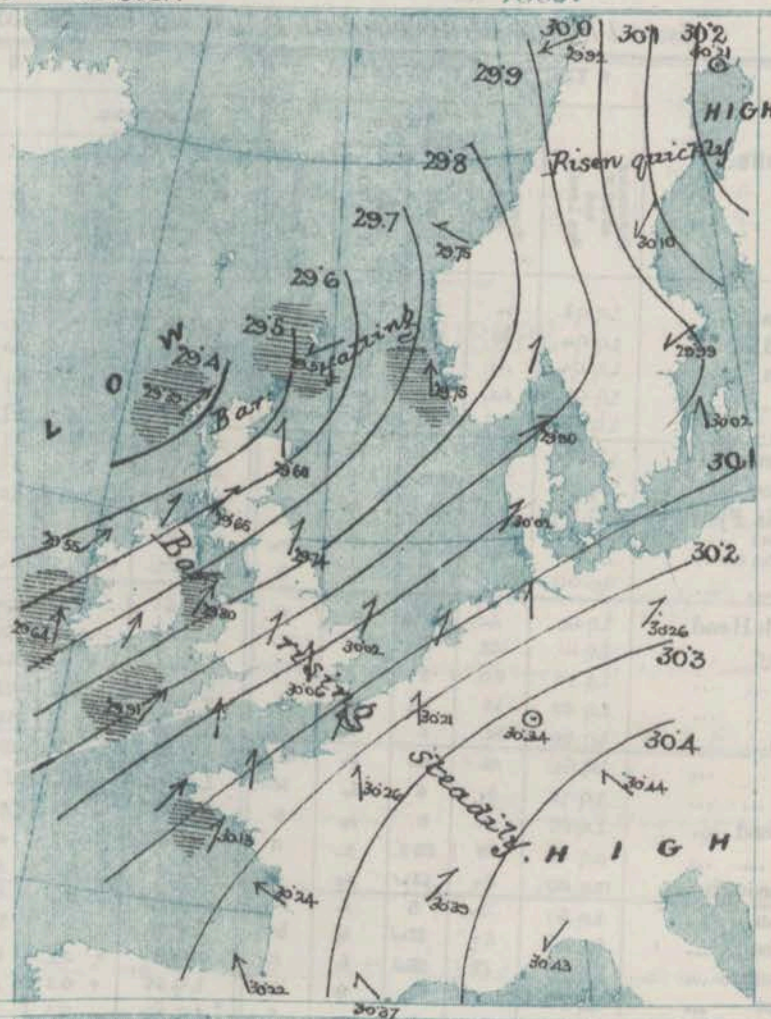
Sea Disturbance—where considerable is shown thus—

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS
Sumburgh Head	29.708
Stornoway	29.735
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.818
Donaghadee	29.832
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roche's Point	29.870
Pembroke	29.865
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.886



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.

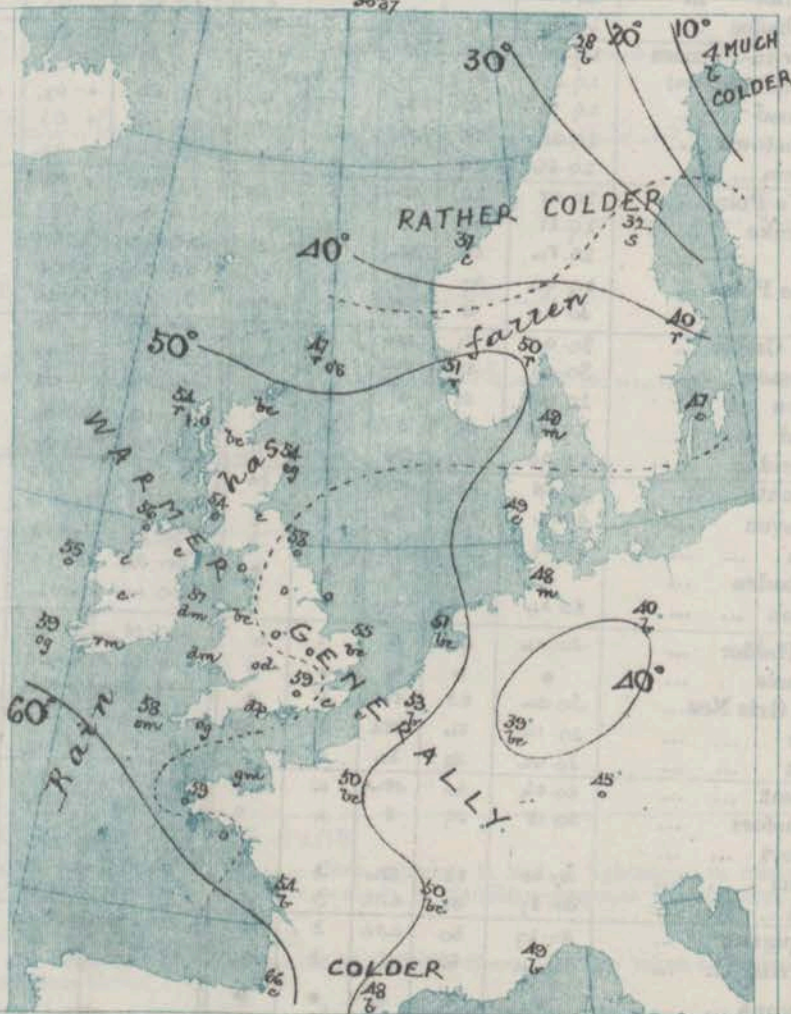
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of October.

STATIONS	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry	Wet.	
Sumburgh Head	49.7	41.6	46.0	44.3	4.33
Stornoway	50.5	39.5	45.3	44.1	4.94
Wick	51.0	40.1	46.1	44.3	2.94
Nairn	51.6	40.8	44.5	42.5	2.38
Aberdeen	52.3	41.0	45.5	43.5	2.89
Leith	54.7	41.5	46.5	44.7	1.94
Shields	53.0	42.8	47.1	45.4	2.46
York	54.8	41.0	45.9	44.5	2.64
Loughborough	55.3	41.4	46.4	45.0	2.98
Ardrossan	53.5	43.6	47.6	45.6	4.31
Donaghadee	53.2	43.3	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.6	44.6	47.8	45.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	50.6	46.5	51.3	49.1	6.09
Roche's Point	55.8	45.9	50.2	48.4	1.17
Pembroke	54.6	48.0	51.2	49.1	4.13
Scilly	56.6	50.3	53.8	51.7	3.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.26
LONDON	56.6	43.2	48.0	46.4	2.74
Oxford	55.3	42.5	48.7	45.3	2.72
Cambridge	56.4	41.2	48.4	45.4	2.36
Yarmouth	54.3	44.8	49.2	47.9	2.07

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in: and more, over South Germany, Northern Italy, and the southeast of France.
Lowest, 29.4 in: and less, to the northward of the British Isles.
Gradual rather steep for SW winds over the British Isles and North Sea, moderates over France and Germany.
Barometer rising except in Scotland. The rise over Lapland has been rapid.

TEMPERATURE

Highest, 66° at Biarritz, 60° at Lorient and Liverpool, 59° at Valencia, London, and Leith.
Lowest, 4° F. at Haparanda, 28° at Porto, 32° at Helsingfors, 39° at Nickebaden, and 40° at Berlin and Stockholm.
The air over England is very close and humid.

WIND

Moderate SE^{ly} to S^{ly} over the Bay of Biscay — SW^{ly} over the British Isles and North Sea.
Strong at the western stations, moderate to fresh in the east and south.
S^{ly} to E^{ly} over Scandinavia. NE^{ly} (locally) at Lumburg Heads.
A fresh to strong gale was felt in the coast of Ireland during the night.

WEATHER

Cloudy and unsettled over the British Isles and North Sea, with much rain in the extreme north, smaller quantities in the west, and slight showers in several parts of England.
Over France and Germany the weather is fine, but in Sweden snow and rain are reported.

SEA

Rough except in the east and southeast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Close changeable weather, with some showers, is still probable, more especially at our western stations, with SW^{ly} and S^{ly} winds.

FORECASTS

for the 24 hours ending at NOON on 27th OCTOBER 1888.

DISTRICTS.

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

FORECASTS.

SW^{ly} winds, dull, rain at times, unsettled.
S^{ly} and SW^{ly} winds, moderate to fresh, close, changeable, rain at times, some bright intervals.

DISTRICTS.

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

FORECASTS.

S^{ly} and SW^{ly} winds, strong, squally, showery.

WARNINGS

The south cone is still flying in districts 9, 10, and part of 6.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.80	45	43	g 1	r 1	2	Holyhead ...	29.75	56	56	SSW 5	o p m	5
Sumburgh Head ...	29.67	41	40	g r a 4	r 1	4	Valencia ...	29.59	60	58	S 7	o g m	6
Stornoway ...	29.43	53	53	Sw 6	r	6	Scilly ...	29.83	58	58	S 5	o m	5
Aberdeen ...	29.63	54	51	SSW 4	e	3	Jersey ...	30.02	57	54	SE 3	o c	3
Shields ...	29.75	56	53	S 4	c	2	Dungeness ...	30.02	57	53	SSW 5	e	3
Ardrossan ...	29.62	54	53	S 4	o	3	London ...	29.94	62	56	S 4	c	*
Malin Head ...	29.50	58	55	SSW 6	o	4	Yarmouth ...	29.99	54	52	S 3	b	3
Mullaghmore ...	29.52	60	56	SSW 6	o g	4	Rochefort ...	30.15	65	61	S 4	c	2
Belmullet ...	29.51	56	55	SW 5	o m	*							

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

The reports for yesterday morning showed that pressure was highest, 30.3 ins. and upwards, in a large anticyclone lying over Italy, Greece, Austria, the Balkan Provinces, and the Black Sea, and lowest, 29.3 ins. and less, in a depression lying over Iceland. Another depression, with readings below 29.4 ins., was, however, reported over the northwest of Norway, while a third, with readings below 29.5 ins., was lying to the westward of the British Islands. The wind was S^W or SW^W over our Islands, France, and Germany, and on our extreme western coast it blew strongly. Over the Baltic and south of Scandinavia, however, it drew into the W^W, in Lapland it was chiefly E^W, while over southern and southeastern Europe it was light and variable. The weather was dull and unsettled in all the more northern and northernmost countries, with rain in several places, and snow at Uleaborg; elsewhere, however, conditions were generally fair. Temperature had risen rapidly over England and to a less extent over Southern Europe, but in the north it had fallen slightly; readings ranged from 60° and upwards over Spain, Italy, and Algeria to a little below the freezing point in the northern part of Scandinavia and Russia, as well as in Austria. The highest individual readings were 67° at Algiers, 66° at Cagliari, 65° at Malta, and 64° at Biarritz, Bilbao, Genoa, Barcelona, Trieste and Tiflis; the lowest were 21° at Anchorage, 24° at Haparanda, 29° at Rode and Hermannstadt, 30° at Kiofis, Moscow, Paris and Charleville, 31° at Uleaborg and Ruda Bank and 32° at Charkov, Vienna, and Prague.

In the course of the day the depression over Scandinavia disappeared, but large areas of low pressure continued to travel along our extreme western coast. Over our Islands temperature remained high for the time of year, the maximum readings being a little above 60° in many parts of the 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 Saturday, 27th October

1888.

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

STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 5.)	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 ..																		
Hernösand ...																		
Stockholm ...	29.88	50	Z	0	0	29.87	- 12	43	42	+ 9	N	2	0	*	52	37	0.23	
Wisby ...	30.04	49	S	6	0	29.98	- 06	50	49	+ 3	W	4	6	*	52	45	0.12	
Bodö ...	30.02	29	ENE	6	0	30.09	+ 17	26	23	- 1	E	6	5	3	28	23		
Christiansund...	29.71	39	ENE	2	+	29.77	+ 02	40	39	+ 3	ENE	4	+	3	2	30	0.08	
Skudesnaes ...	29.81	51	SSW	3	0	29.82	+ 07	51	50	0	ENE	6	+	5	52	50		
Christiania Fjord (Fander) ...	29.81	50	SW	5	f	29.93	+ 10	60	49	0	SW	2	f	4	50	50		
Skagen (The Scaw)	29.93	53	SW	4	m	29.93	+ 03	53	52	+ 4	SW	3	m	2	54	49	0.08	
Fanö ...	30.09	52	SW	4	+	30.10	+ 08	52	52	+ 3	SW	4	0	*	54	48		
Sumburgh Head	29.68	48	Z	0	0	29.59	- 08	51	50	+ 4	SW	1	+	3	52	44	0.46	
Stornoway ..	29.55	54	SW	4	0	29.49	- 10	53	53	- 1	SW	7	+	6	58	52	0.50	
Wick ...	29.68	53	S	2	bc	29.62	- 16	52	51	- 3	W	2	bc	1	62	52	0.09	
Nairn ...	29.66	58	SW	2	bc	29.64	- 17	63	61	+ 5	SW	3	bc	1	63	53	0.02	
Aberdeen...	29.73	57	SSW	3	0	29.73	- 13	61	59	+ 7	SSW	4	oggy	4	60	54	0.08	
Leith ...	29.77	59	SW	4	0	29.79	+ 17	62	59	+ 3	SW	3	0	*	65	59	0.09	
Shields ...	29.86	61	SW	5	om	29.92	+ 18	62	59	+ 4	SSW	4	0	2	65	56	0.01	
Spurn Head ...	30.00	57	S	5	0	30.07	+ 17	58	57	+ 3	SSW	5	0	4	63	55	0.03	
York ...	29.95	62	S	3	0	30.02	+ 16	62	59	+ 4	S	2	0	*	66	56	0.02	
Loughborough	30.04	61	SW	4	0	30.12	+ 19	62	59	+ 3	SW	3	0	*	66	52	0.03	
BRITISH ISLANDS.																		
Ardsrossan ...	29.73	55	S	4	op	29.77	+ 12	56	55	+ 2	S	5	om	4	56	54	0.30	
Malin Head ...						29.59	+ 05	61	59	+ 5	SSW	6	0	4	61	50	0.02	
Mullaghmore ...	29.62	60	S	8	oggy	29.60	+ 03	63	63	+ 7	S	8	op	6	63	53	0.09	
Belmullet ...	29.49	58	SW	9	0	29.53	- 00	59	58	+ 1	SSW	10	0	*	59	55	0.23	
Donaghadee ...	29.74	50	SW	8	0	29.78	+ 11	58	57	+ 2	SW	5	0	3	60	55	0.06	
Barrow-in-Furness	29.92	56	S	5	+	29.97	+ 19	56	55	+ 1	SE	4	0	*	57	54	0.26	
Liverpool (Bidston)	29.94	62	S	2	0	30.01	+ 18	62	59	+ 2	SSW	3	0	3	65	59	0.03	
Holyhead ...	29.87	57	SSW	6	mrg	29.96	+ 16	57	57	0	SSW	7	2mrg	6	58	56	0.17	
Parsonstown ...	29.69	61	SW	2	0	29.79	+ 11	62	60	+ 5	SE	2	0	*	63	56	0.01	
Valencia ...	29.65	61	SSW	9	ogm	29.72	+ 08	63	61	+ 4	SW	9	ogm	7	63	57	0.25	
Roche's Point...	29.79	57	SSW	6	+	29.87	+ 15	58	58	+ 1	SSW	7	+	5	58	56	0.53	
Pembroke ...	29.94	57	S	6	0	30.05	+ 19	57	57	0	S	6	ogm	6	58	57	0.03	
Seilly ...	29.98	59	S	6	om	30.08	+ 17	59	58	0	S	7	om	6	61	56		
Prawle Point ...	30.14	57	S	5	0	30.24	+ 21	59	57	+ 2	SSW	5	0	4	59	55		
Jersey ...	30.22	61	SE	3	0	30.35	+ 22	58	56	0	SE	3	beamer	0	64	57		
Hurst Castle ...	30.18	59	SSW	7	0	30.28	+ 21	60	59	+ 2	SW	7	0	4	62	58	0.02	
Dungeness ...	30.18	57	SSW	4	0	30.30	+ 20	57	56	0	SW	5	0	3	59	56		
London ...	30.18	60	S	4	0	30.25	+ 19	60	58	+ 1	SSW	3	0	*	64	58	0.01	
Oxford ...	30.15	59	SSW	3	0	30.20	+ 19	60	58	+ 2	S	5	og	*	65	58		
Cambridge ...	30.13	59	SSW	1	0	30.19	+ 18	61	59	+ 3	SW	2	0	*	66	56		
Yarmouth ...	30.12	58	SSW	4	bc	30.18	+ 16	58	57	+ 3	SW	3	bc	3	61	55		
Cuxhaven ...	30.21	50	SW	3	bc	30.27	+ 16	55	54	+ 7	SW	3	m	*	57	?		
Berlin ...	30.30	55	SW	1	0	30.36	+ 10	52	51	+ 12	SW	2	0	*	61	?	0.04	
Wiesbaden ...	*	*	*	*	*	30.50	+ 16	48	47	+ 9	Z	0	bc	*	55	?		
Munich ...	30.51	42	Z	0	0	30.59	+ 15	39	38	- 6	SW	1	0	*	57	36		
FRANCE & NETHERLANDS.																		
The Helder ...	30.20	55	SW	4	bc	30.24	+ 16	54	53	+ 3	SW	4	0	3	55	50		
Brussels ...	*	*	*	*	*	30.38	+ 17	55	52	+ 2	SSW	4	bc	*	62	?	0.04	
Cape Gris Nez...	30.22	58	SW	5	0	30.24	+ 16	56	55	+ 2	SSW	5	0	4	61	54		
Paris ...	30.36	54	S	3	bc	30.46	+ 20	45	45	- 5	SSW	1	0	*	66	44		
Brest ...	30.22	59	SW	5	0	30.31	+ 20	60	58	+ 1	SSW	4	0	5	66	?		
Lorient ...	30.24	60	SSW	5	0	30.32	+ 19	60	58	0	S	4	bc	4	64	57		
Rochefort ...	30.37	60	SW	8	0	30.45	+ 21	52	51	- 2	S	4	0	2	68	48		
Belfort ...	30.45	46	E	1	0	30.54	+ 12	37	32	- 1	E	1	0	*	61	28		
Lyons ...	30.45	55	SSW	1	0	30.56	+ 17	41	40	- 1	WSW	1	0	*	65	41		
Nice ...	30.49	55	ENE	1	0	30.52	+ 31	50	48	+ 1	E	3	0	1	63	48		
Perpignan ...	30.43	61	ENE	4	0	30.50	+ 13	55	54	+ 7	NE	1	0	4	66	?		
Biarritz ...	30.31	67	S	4	bc	30.32	+ 10	64	56	- 2	S	5	0	2	73	61		
PENINSULA.																		
Corunna ...	*	*	*	*	*	30.36	+ 19	44	41	- 1	SSW	3	0	3	72	57		
Lisbon ...	30.33	65	ENE	4	0	30.37	+ 11	55	56	- 2	NE	5	0	?	72	57		

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts on p. 4.

WEATHER

CHARTS

for 8 a.m. on Saturday, 27th October.

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

→ = force above 10; →→ = forces 11 to 10;

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

○ = dead calm.

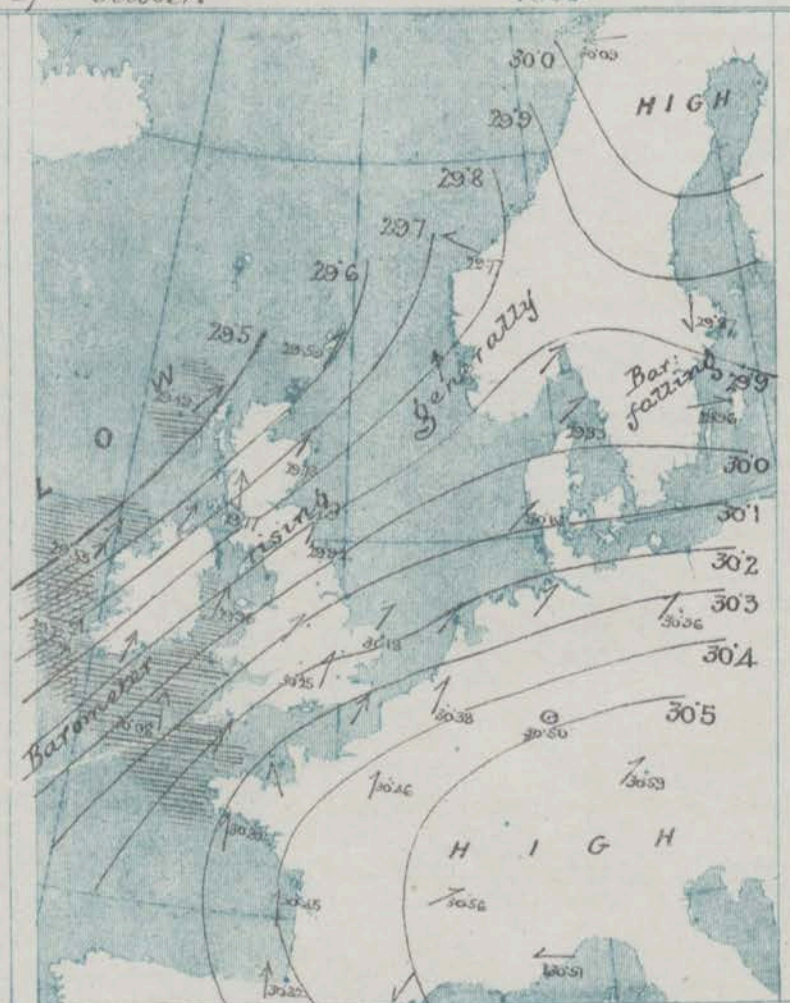
Sea Disturbance — where considerable is shown thus.

■ = Rough; ■ = High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.708
Stornoway	29.735
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.813
Donaghadee	29.832
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roche's Point	29.870
Pembroke	29.868
Seilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.880



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.

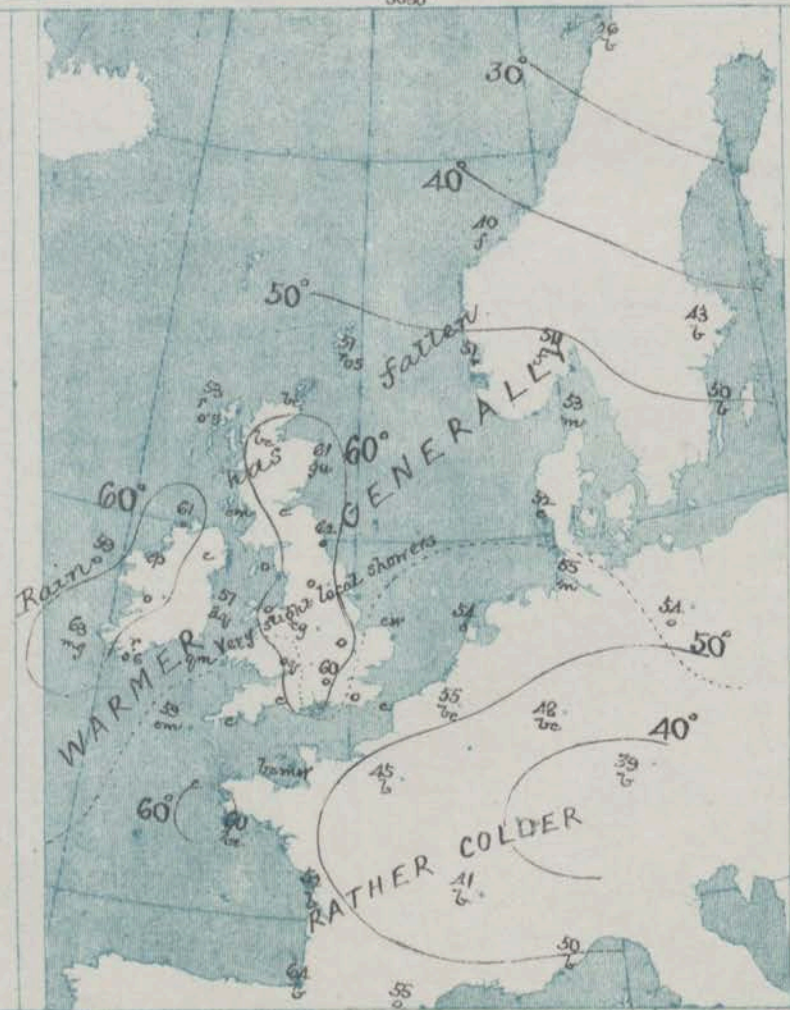
Rainfall — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE AND RAINFALL.

for the month of October.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min	at 8 a.m. Dry	Wet	
Sumburgh Head	49.7	41.6	46.0	44.3	4.33
Stornoway	50.5	39.5	45.3	44.1	4.94
Wick	51.6	40.1	46.1	44.3	2.94
Nairn	51.6	40.6	44.5	42.5	2.38
Aberdeen	52.3	41.0	45.5	43.5	2.88
Leith	54.7	41.5	46.5	44.7	1.84
Shields	53.0	42.8	47.1	45.4	2.46
York	54.8	41.0	45.9	44.5	2.84
Loughborough	55.3	41.4	46.4	45.0	2.08
Ardrossan	53.5	43.6	47.6	45.6	4.31
Donaghadee	53.2	43.3	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.6	44.6	47.8	45.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.3	49.1	6.09
Roche's Point	55.8	45.9	50.2	48.4	4.17
Pembroke	54.8	48.0	51.2	49.1	4.13
Seilly	56.6	50.3	53.8	51.7	3.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.28
LONDON	56.6	43.2	48.0	46.4	2.74
Oxford	55.3	42.5	46.7	45.3	2.72
Cambridge	56.4	41.2	46.4	45.4	2.36
Yarmouth	54.3	44.8	49.2	47.9	2.97

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in. to 30.6 in. over France, South Germany, Switzerland, and North Italy—30.0 in. and more over the north of Scandinavia.
Lowest, 29.5 in. and less, off our extreme northwestern coasts.
Gradient steep over our islands, especially in the northwest.
Barometer rising generally, but not quickly.

TEMPERATURE

Highest, 64° at Biarritz, 63° at Valencia, Mullaghmore, and Kinn, 62° at Liverpool, 60° in London.
Lowest, 26° at Bodo, (Report from Haparanda and Hamö and not received) 39° at Munich, 41° at Lyons, and 45° at Paris.
The sheltered thermometer has not been below 58° in London and 59° at Leith during the night.

WIND

Fresh to strong, from SE and E. on the Norwegian coast. N^W at Stockholm.
S^W or S^W² over the whole of our islands, France, Germany, and the North Sea.
Light to moderate at the eastern stations, strong in the west and northwest, and blowing a strong gale in the extreme west.

WEATHER

Very fine at the Continental stations, cloudy and unsettled over our islands, with rain at times in the west and north.
The rainfall has been somewhat considerable in Ireland and the north of Scotland, very slight elsewhere.

SEA

High on the Atlantic coast of Ireland, rough in the Irish Sea, and about the mouth of the Channel, slight on our south-east and east coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The SSW² gale in the extreme west does not seem likely to spread much in an easterly direction. No important change of weather is indicated at present.

FORECASTS

For the 24 hours ending at NOON on 28TH OCTOBER, 1888.

DISTRICTS.

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

FORECASTS.

SW² winds, strong, to moderate, rain at times.
SW² winds, moderate or fresh; some showers. Mild.
SW² winds, fresh; cloudy to clear, some showers.

DISTRICTS.

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

FORECASTS.

SW² and S² winds, strong, squally, showery.
SW² gales, falling gradually; showery.

WARNINGS

NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Woa.	Sea.		Bar.	Dry.	Wet.	Wind.	Woa.	Sea.
Skudesnaes ...	29.76	51	50	SE 8	r f	6	Holyhead ...	29.87	57	57	SSW 6	m qf	5
Sumburgh Head ...	29.47	51	51	SW 3	r	5	Valencia ...	29.63	61	59	S 8	cm	7
Stornoway ...	29.36	56	56	SW 5	o	5	Scilly ...	29.96	60	58	SSW 6	o	6
Aberdeen ...	29.69	60	57	SSW 3	b	4	Jersey ...	30.18	63	57	S 4	c	3
Shields ...	29.83	64	60	SW 4	o	2	Dungeness ...	30.16	58	56	SW 4	c	3
Ardrossan ...	29.72	55	54	S 4	o	3	London ...	30.12	64	60	SSW 5	o	*
Malin Head ...							Yarmouth ...	30.07	61	59	SW 4	bcu	3
Mallaghmore ...	29.87	61	56	S 6	o q	5	Rochefort ...	30.31	68	64	S 5	b	2
Belmullet ...	29.50	59	55	S 6	o w	*							

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

The reports for yesterday morning showed that a large anticyclone with readings above 30.4 ins. was lying over Switzerland, Italy, Austria, South Germany, and the southeast of France, while a second high pressure system, with readings above 30.2 ins. existed over Eastern Lapland. The lowest readings 29.4 ins. and less, were reported in a depression lying off the northwest of Scotland, and steep gradients for SW winds existed over the British Isles and the North Sea. The wind was S^W or SW^W over the whole of Western and Central Europe, and strong in force on the extreme western coast of our Islands. In Italy, and the south of France, however, as well as in Finland moderate E^W or NE^W breezes were reported, while in Spain and Algeria variable air prevailed. The weather was dull and unsettled over the United Kingdom and Norway, with rain at the northern and showers at several of the more central stations, elsewhere however, conditions were mostly fair. Temperature had risen to a high level for the time of year over the British Islands, France and Germany, but in Scandinavia, Russia and Austria it had fallen somewhat; readings ranged from 60° and upwards over Southern Europe to more than 20° below the freezing point in Lapland. The highest individual readings were 68° at Algiers, 66° at Biarritz and Cagliari, 65° at Corunna, 64° at Bilbao, Barcelona, and La Felle, 63° at Oram, and 62° at Sanquhar and Biskra; the lowest were 4° F at Haparanda, 5° at Uleaborg, 19° at Kuopio, 28° at Rode and Helsingfors, 23° at Hermanstad, 30° at Hangö, St Petersburg and Vienna, and 32° at Helsingfors.

In the course of the day the anticyclone over Southern Europe extended slowly in a northerly and northwesterly direction, the gradients over our Islands became somewhat steeper, and the wind on our extreme western coast increased to a strong gale. Temperature over our Islands remained very high and during the ensuing night the minimum readings were considerably above 55° in all but the extreme northern districts.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT.

for Sunday 28th OCTOBER 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R.H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	30.45	6	Z	0	b	30.21	- .14	16	15	+ 7	SE	2	0	*	18	5	—	
	Hernösand ...	30.16	39	E	2	0	29.96	+ .09	41	40	- 2	SE	4	r	*	52	36	0.05	
	Stockholm ...	30.05	45	WSW	4	r	30.02	+ .06	48	46	- 2	S	4	0	*	52	43	0.12	
	Wisby ...	30.05	27	ENE	8	b	29.93	- .16	27	24	+ 1	ENE	8	s	4	27	23	—	
	Bodö ...	29.65	46	ESE	6	r	29.59	- .18	54	52	+ 14	SW	4	0	3	54	43	0.51	
	Christiansund...	29.59	51	S	8	r	29.84	+ .02	52	51	+ 1	S	8	r	6	52	50	0.87	
	Skudesnaes ...	29.95	50	Z	0	f	29.90	- .03	50	50	0	SSW	4	f	4	50	46	0.24	
	Christiania Fjord (Færdar)	29.97	52	SW	4	0	29.99	+ .06	55	54	+ 2	SW	3	m	2	55	52	0.20	
	Skagen (The Seaw)	30.16	56	SW	4	c	30.15	+ .05	52	52	0	SW	4	c	*	52	52	0.04	
	Fanø ...	29.57	59	SSW	1	0	29.54	- .05	53	52	+ 2	SW	2	r	3	54	50	0.23	
BRITISH ISLANDS.	Sumburgh Head	29.50	58	SW	7	r	29.45	- .04	54	53	+ 1	SW	5	c	5	52	53	0.60	
	Stornoway ...	29.57	59	S	2	bc	29.54	- .05	56	55	+ 4	SW	3	bc	1	63	50	0.04	
	Wick ...	29.59	63	SW	2	c	29.56	- .03	59	58	- 4	SW	3	cr	1	67	58	0.09	
	Nairn ...	29.46	59	SW	3	0	29.68	- .03	57	55	- 14	S	5	0	5	64	56	0.04	
	Aberdeen...	29.82	61	SW	6	r	29.72	- .07	61	58	- 1	SW	6	cq	*	65	59	0.04	
	Leith ...	29.93	64	SSW	5	0	29.88	- .04	61	60	- 1	SSW	5	op	2	66	60	0.03	
	Shields ...	30.10	59	SSW	6	0	30.05	- .02	58	56	0	SSW	6	0	5	63	56	—	
	Spurn Head ...	30.06	64	WSW	3	0	30.00	- .03	62	58	0	S	3	0	*	66	60	—	
	York ...	30.16	63	WSW	3	0	30.10	- .02	61	57	- 1	SSW	4	og	*	69	60	—	
	Loughborough	29.71	57	S	5	r	29.69	- .08	57	56	+ 1	S	5	rm	4	57	55	0.10	
GERMANY.	Ardrossan ...	29.59	60	SSW	6	c	29.55	- .04	56	55	- 5	S	6	ogp	4	64	56	0.12	
	Malin Head ...	29.64	62	SSW	7	c	29.59	- .01	59	58	- 4	SSW	7	ogp	5	64	58	0.24	
	Mullaghmore ...	29.59	59	SW	9	0	29.55	- .03	56	55	- 3	SSW	7	c	*	60	55	0.37	
	Belmullet ...	29.81	58	WSW	5	r	29.75	- .03	57	57	- 1	SW	5	0	3	60	56	0.11	
	Donaghadee ...	29.49	57	S	6	0	29.90	- .07	55	57	- 1	S	5	r	*	59	55	1.10	
	Barrow-in-Furness	30.03	64	SSW	5	0	29.96	- .05	59	58	- 3	S	4	r	4	65	59	0.07	
	Liverpool (Bidston)	29.97	58	SSW	8	m	29.90	- .06	57	57	0	SSW	8	mpy	6	59	56	1.03	
	Holyhead ...	29.79	63	SW	2	0	29.74	- .05	60	57	- 2	SE	1	r	*	64	59	0.28	
	Parsonstown ...	29.71	62	SSW	8	0	29.72	00	61	59	- 2	SSW	8	om	7	63	57	0.25	
	Valencia ...	29.87	58	SW	6	r	29.83	- .04	58	58	0	SW	7	r	5	59	58	1.05	
FRANCE & NETHERLANDS.	Roche's Point...	30.05	58	S	6	0	30.00	- .05	57	57	0	S	7	rgm	7	58	57	0.05	
	Pembroke ...	30.12	59	S	7	0	30.06	- .02	58	57	- 1	SSW	7	om	7	62	56	—	
	Scilly ...	30.27	57	SSW	4	0	30.20	- .04	58	56	- 1	S	6	cu	4	60	55	—	
	Prawle Point ...	30.35	62	S	4	b	30.34	- .01	59	57	+ 1	SSW	4	bm	3	67	55	—	
	Jersey ...	30.30	60	SW	5	bc	30.25	- .03	60	58	0	SW	7	bc	4	62	59	0.02	
	Hurst Castle ...	30.31	58	SW	4	bc	30.30	00	57	55	0	SW	5	c	3	62	56	0.01	
	Dungeness ...	30.30	61	SSW	11	b	30.25	00	59	57	- 1	S	4	tc	*	70	56	—	
	London ...	30.24	61	SW	5	0	30.20	00	58	56	- 2	SW	4	cq	*	67	57	—	
	Oxford ...	30.24	61	SSW	2	b	30.19	00	59	56	- 2	SSW	3	c	*	69	56	—	
	Cambridge ...	30.22	62	SSW	4	bc	30.21	+ .03	58	56	0	SW	4	bc	3	64	55	—	
PENINSULA.	Yarmouth ...	30.31	57	SW	5	r	30.32	+ .05	54	53	- 1	SW	3	b	*	57	50	0.02	
	Cuxhaven ...	30.36	58	SW	1	r	30.38	+ .02	58	55	+ 6	W	4	c	*	63	55	0.16	
	Berlin ...	*	*	*	*	*	30.54	+ .04	42	41	- 6	Z	0	b	*	57	41	—	
	Wiesbaden ...	30.06	42	Z	0	b	30.60	+ .01	38	38	- 1	SE	3	b	*	35	34	—	
	Munich ...	30.28	56	SW	5	c	30.21	+ .03	54	52	0	SSW	4	bc	3	57	54	—	
	The Helder ...	*	*	*	*	*	30.42	+ .04	55	53	0	SSW	4	b	*	65	54	—	
	Brussels ...	30.83	59	SSW	5	b	30.33	?	56	54	0	SSW	5	bc	4	63	55	—	
	Cape Gris Nez...	30.47	55	S	1	b	30.48	+ .02	45	44	0	SSW	1	m	*	58	41	—	
	Paris ...	30.84	60	SSW	4	0	30.28	- .03	59	57	- 1	SW	5	r	8	66	41	—	
	Brest ...	30.35	60	S	4	b	30.36	+ .04	60	58	0	S	4	b	6	64	57	—	
PENINSULA.	Lorient ...	30.47	60	S	3	b	30.47	+ .02	51	50	- 1	SE	4	b	2	70	46	—	
	Rochefort ...	30.50	44	E	1	b	30.56	+ .02	38	37	+ 1	E	1	f	*	61	27	—	
	Belfort ...	30.53	56	N	1	b	30.58	+ .02	40	39	- 1	S	3	b	*	64	38	—	
	Lyons ...	30.46	59	E	1	b	30.52	+ .01	51	47	+ 1	ENE	5	b	1	64	46	—	
	Nice ...	30.52	56	Z	0	b	30.53	+ .01	54	54	- 1	SW	1	0	*	67	51	—	
	Perpignan ...	30.44	61	E	4	b	30.41	+ .04	60	55	- 4	S	4	b	3	73	59	—	
	Biarritz ...	*	*	*	*	*	30.39	+ .03	62	58	- 2	S	5	0	4	73	54	—	
	Corunna ...	30.37	67	N	4	b	30.41	+ .04	58	55	0	NE	5	b	7	73	57	—	
Lisbon ...																			

WEATHER CHARTS

for 8 a.m. on

Sunday, 28th October

1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

Sea Disturbance — where considerable is shown thus.

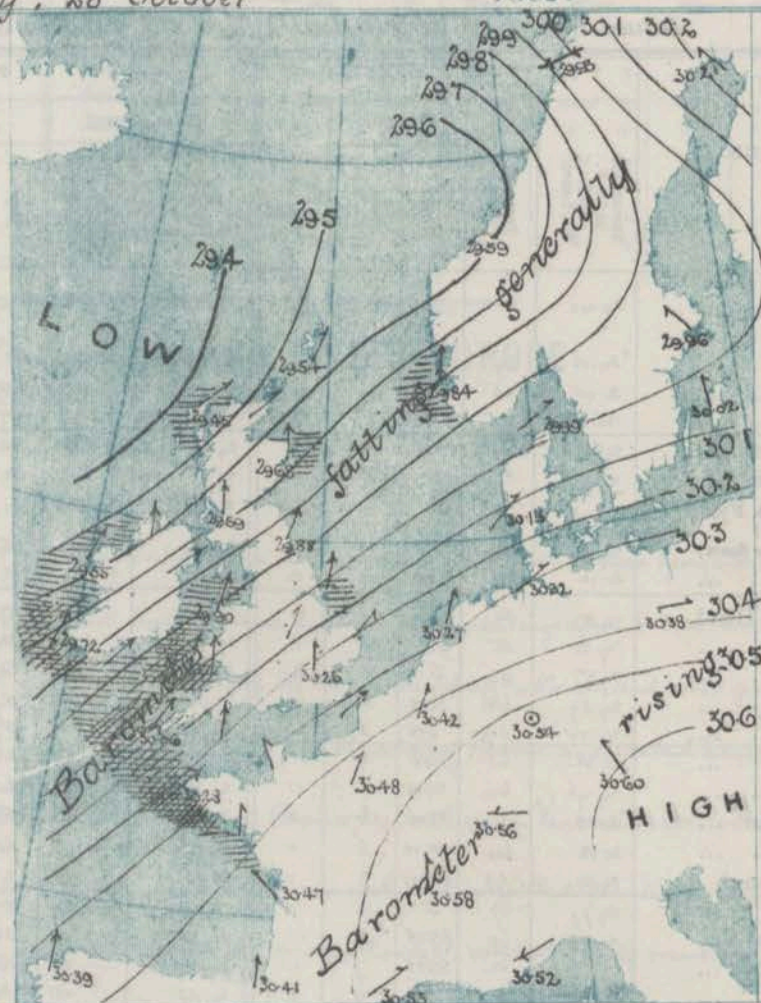
— Rough — High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871 — 1885

STATIONS.	MEAN READINGS.
Sumburgh Head	29.708
Stornoway	29.736
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.818
Donaghadee	29.832
Holyhead	29.858
Liverpool	29.864
Parsonstown	29.881
Valencia	29.878
Roche's Point	29.870
Pembroke	29.868
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.886



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.

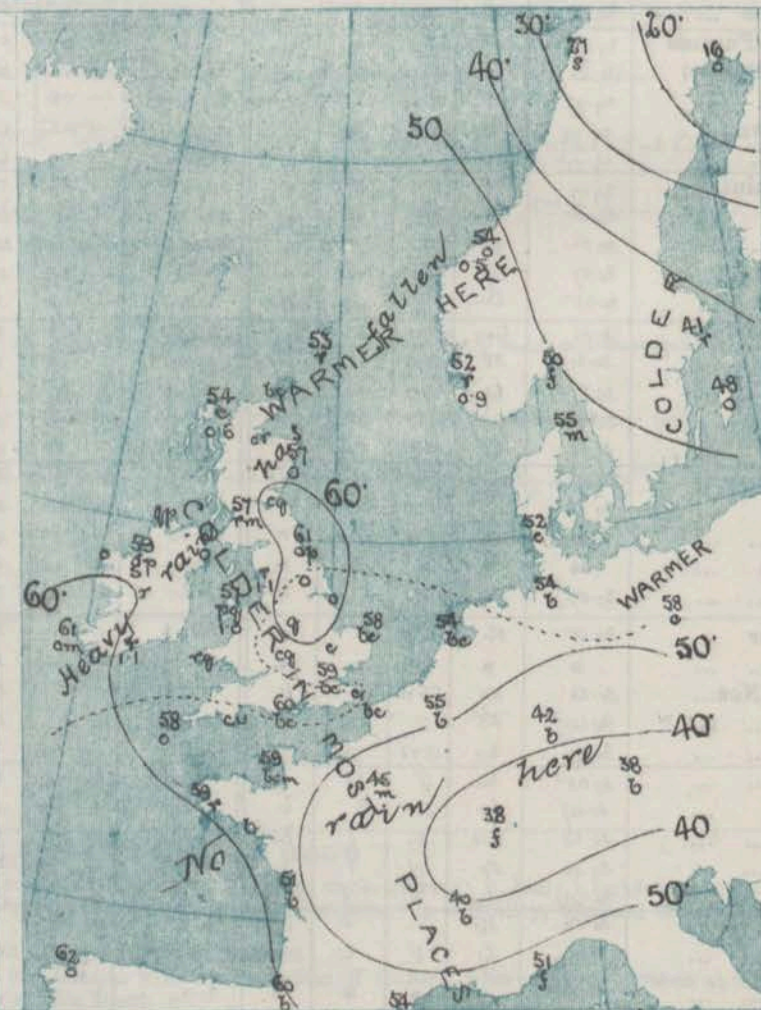
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of October.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max	Daily Min	at 8 a.m.		
			Dry	Wet	
Sumburgh Head	49.7	41.6	46.0	44.3	4.33
Stornoway	50.6	39.5	45.3	44.1	4.94
Wick	51.6	40.1	46.1	44.3	2.94
Nairn	51.6	40.5	44.5	42.5	2.38
Aberdeen	52.3	41.0	45.5	43.5	2.88
Leith	54.7	41.5	46.5	44.7	1.91
Shields	53.0	42.8	47.1	45.4	2.46
York	54.8	41.0	45.9	44.5	2.61
Loughborough	55.3	41.4	46.4	45.0	2.98
Ardrossan	53.5	43.6	47.6	45.6	4.31
Donaghadee	53.2	43.3	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.6	44.6	47.8	45.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.3	49.1	6.00
Roche's Point	55.8	45.9	50.2	48.4	4.17
Pembroke	54.8	48.0	51.2	49.1	4.13
Scilly	56.6	50.3	53.8	51.7	3.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.28
LONDON	56.6	43.2	48.0	46.4	2.74
Oxford	55.3	42.5	46.7	45.3	2.72
Cambridge	56.4	41.2	46.4	45.4	2.36
Yarmouth	54.3	44.8	49.2	47.0	2.97

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.6 ins. at Munich; 30.5 ins. and upwards over South Germany and the east of France.
Lowest, 29.4 ins. and less, in a depression lying off the northwest of Scotland.
Gradients steep over our Islands, Scandinavia, and the North Sea, but slight over France.
Barometer falling at all but the French and German stations.

TEMPERATURE

Highest, 62° at York and Cologne, 61° at Leith, Shields, and Loughborough, and 60° at Passenator, Hunt Castle, Dorset, and Biarritz.
Lowest, 16° at Haparanda, 27° at Bodø, 38° at Munich and Relfort, 40° at Lyons, and 41° at Stockholm.
During yesterday the thermometer rose to 69° at Loughborough and Cambridge and 70° in London.

WIND

S. or S.W. over our Islands, the North Sea, and the north of France; strong to a gale on our western coasts.
E. in the north of Scandinavia, with a gale at Bodø, S.E. over South Germany and Central France.

WEATHER

Clear in France, Germany, the Netherlands, and the southeast of England.
Cloudy or overcast elsewhere, with rain at most of our western and northern stations, and snow at Bodø.
Heavy rain fell yesterday in the west, the largest amount being 1.1 ins. at Llanwr in Llanwr and Rock Point and 1.0 ins. at Holyhead.

SEA

High on our southwest coasts, and rather rough in the north and northwest, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Depressions are still moving in a north-northeasterly direction along our extreme west coasts, and unsettled weather appears to be extending slowly to all parts of the Kingdom.

FORECASTS

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

DISTRICTS.

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

FORECASTS.

NONE ISSUED

DISTRICTS.

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

WARNINGS

FORECASTS.

NONE ISSUED

The South Cone was hoisted yesterday in districts 0, 1, 2, and part of 6.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.86	51	51	S	2	rf	5	Holyhead ...	29.97	58	57	SSW	8	mq	6
Sumburgh Head	29.60	53	52	S	1	o	3	Valencia ...	29.75	62	60	S	9	om	7
Stornoway ...	29.44	54	54	SW	7	r	6	Scilly ...	30.11	60	59	S	7	om	6
Aberdeen ...	29.73	63	59	SSW	7	cu	5	Jersey ...	30.35	67	61	S	3	bm	3
Shields ...	29.90	65	61	SSW	6	o	2	Dungeness ...	30.20	60	57	W	5	bc	*
Ardrossan ...	29.78	56	55	S	4	om	4	London ...	30.27	69	61	SSW	5	bc	*
Malin Head ...	29.54	62	61	SSW	6	o	4	Yarmouth ...	30.20	64	61	SW	4	bc	3
Mullaghmore ...	29.61	64	62	S	7	pg	6	Rochefort ...	30.47	64	60	S	4	b	2
Belmullet ...	29.57	60	54	SW	9	c	*								

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

The Continental Information will appear in Tuesday's Report.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

DAILY WEATHER REPORT.

for *Monday, 29th October 1888.*
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										LAST 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.			
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..																		
	Hernösand ...																		
	Stockholm ...	29.75	54	W	0	†	29.41	- 55	55	52	+ 14	SSW	6	0	*	55	36	0.82	
	Wisby ...	29.93	54	SW	4	0	29.63	- 39	52	50	+ 4	SW	6	0	*	55	43		
	Bodö ...	29.49	44	SW	8	†	28.71	- 122	37	35	+ 10	NNW	4	0	3	45	25	1.46	
	Christiansund...	29.47	51	S	3	†	29.17	- 0.42	48	44	- 6	WSW	9	†	5	45	2.25		
	Skudesnaes ...	29.63	52	SSE	8	†	29.66	- 18	50	48	- 2	WSW	8	0	†	50	0.08		
	Christiania Fjord (Færdor)	29.74	51	SW	8	†	29.44	- 46	52	49	+ 2	SW	8	6	†	50			
	Skagen (The Scaw)	29.86	54	SW	5	0	29.63	- 36	51	49	- 4	WSW	6	0	3	57	50	0.08	
	Fanö ...	30.01	54	SW	6	0	29.95	- 20	52	51	0	WSW	6	60	*	55	52	0.20	
BRITISH ISLANDS.	Sumburgh Head	29.40	51	SW	1	0	29.52	- 02	44	45	- 6	W	4	0	4	54	45	0.22	
	Stornoway ..	29.34	53	SW	6	0	29.62	+ 14	46	45	- 8	SW	5	0	5	57	43	0.40	
	Wick ...	29.33	53	S	2	†	29.69	+ 15	47	46	- 9	W	5	6	1	59	?	0.06	
	Nairn ...	29.42	57	WSW	2	60	29.72	+ 16	45	44	- 14	WSW	4	0	2	62	45	0.13	
	Aberdeen...	29.53	56	SSW	7	60	29.82	+ 14	46	42	- 11	SW	3	6	4	60	44	0.03	
	Leith ...	29.62	56	SW	5	0	29.90	+ 18	49	46	- 12	WSW	5	6	*	62	47	0.11	
	Shields ...	29.77	60	SSW	5	†	29.98	+ 10	50	46	- 11	W	5	6	2	64	49	0.04	
	Spurn Head ...	29.95	59	SSW	6	†	30.14	+ 09	51	50	- 7	SSW	3	0	0	62	50	0.04	
	York ...	29.91	59	S	4	†	30.09	+ 09	52	48	- 10	W	2	0	*	63	49	0.14	
	Loughborough	30.02	60	SW	4	†	30.17	+ 07	53	50	- 8	WSW	3	0	*	64	51	0.18	
GERMANY.	Ardrossan ...	29.65	55	WSW	4	0	29.93	+ 24	51	49	- 6	SW	5	6	4	57	50	0.15	
	Malin Head ...	29.51	52	WSW	6	6	29.84	+ 29	49	47	- 7	SW	6	60	5	61	48	0.38	
	Mullaghmore ...	29.68	53	SW	7	6	29.94	+ 35	49	47	- 10	SW	5	60	4	61	48	0.08	
	Belmullet ...	29.68	52	SW	9	0	29.96	+ 41	52	49	- 4	WSW	6	0	*	58	49	0.11	
	Donaghadee ...	29.72	58	WSW	6	60	29.99	+ 24	47	46	- 10	WSW	4	6	2	59	45	0.02	
	Barrow-in-Furness	29.82	55	S	6	0	30.07	+ 17	52	50	- 3	SW	4	0	*	58	51	0.08	
	Liverpool (Bidston)	29.90	58	SW	5	0	30.12	+ 16	51	48	- 8	SSW	2	0	3	62	50	0.19	
	Holyhead ...	29.86	57	SW	8	m	30.10	+ 20	52	49	- 5	SW	4	0	4	58	51	0.04	
	Parsonstown ...	29.84	54	WSW	2	0	30.06	+ 32	46	40	- 14	SE	1	0	*	60	44	0.02	
	Valencia ...	29.91	57	WSW	7	0	30.08	+ 36	56	52	- 5	WSW	5	0m	5	61	57	0.01	
FRANCE & NETHERLANDS.	Roche's Point...	29.95	56	WSW	4	0	30.11	+ 28	55	53	- 3	WSW	3	0	4	59	50	0.50	
	Pembroke ...	30.00	57	SSW	6	0	30.18	+ 18	55	54	- 2	SSW	3	0	4	57	54	0.46	
	Scilly ...	30.12	58	SW	5	0	30.20	+ 14	52	51	- 6	SW	4	0	6	60	52	0.37	
	Prawle Point ...	30.15	57	SSW	7	†	30.26	+ 06	54	54	- 4	WSW	4	0	3	60	52	0.62	
	Jersey ...	30.24	61	S	4	0	30.30	- 04	56	54	- 3	W	2	†m	2	64	55	0.22	
	Hurst Castle ...	30.18	58	SW	8	†	30.26	+ 01	56	56	- 4	WSW	5	0	4	63	55	0.25	
	Dunoon ...	30.20	60	SW	6	0	30.25	- 05	55	54	- 2	W	4	0	3	61	55	0.04	
	London ...	30.17	62	S	3	0†	30.23	- 02	54	53	- 5	SSW	2	0	*	65	54	0.25	
	Oxford ...	30.10	59	SW	2	†	30.22	+ 02	53	62	- 5	SW	3	0	*	65	53	0.24	
	Cambridge ...	30.12	60	SSW	2	†	30.21	+ 02	54	53	- 5	SW	1	0	*	66	51	0.24	
PENIN-SULA.	Yarmouth ...	30.13	58	SSW	5	0	30.18	- 03	54	52	- 4	WSW	3	0	2	63	52	0.15	
	Cuxhaven ...																		
	Berlin ...	30.34	57	W	1	60	30.21	- 17	51	48	- 7	WSW	3	0	*	64	48		
	Wiesbaden ...	*	*	*	*	*	30.41	- 13	39	38	- 3	W	0	†	*	57	37		
	Munich ...	30.52	44	W	0	6	30.49	- 41	39	38	+ 1	SW	3	60	*	59	36		
	The Helder ...	30.16	57	SSW	7	0	30.17	- 10	54	53	0	SW	4	0	3	57	54	0.12	
	Brussels ...	*	*	*	*	*	30.31	- 11	53	52	- 2	SW	3	†	*	67	53	0.04	
	Cape Gris Nez...	30.23	60	SSW	7	0	30.27	- 06	55	55	- 1	WSW	3	†	2	63	54	0.12	
	Paris ...	30.41	57	S	1	0	30.38	- 10	46	45	+ 1	SSE	2	0	*	69	44		
	Brest ...	30.26	58	SW	7	0	30.26	00	55	55	- 4	ESE	3	†	3	66	41	0.39	

For Explanation of Columns, see p. 4.

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

WEATHER CHARTS

for 8 a.m. on Monday, 29th October, 1888.

BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

Sea Disturbance — where considerable is shown thus.

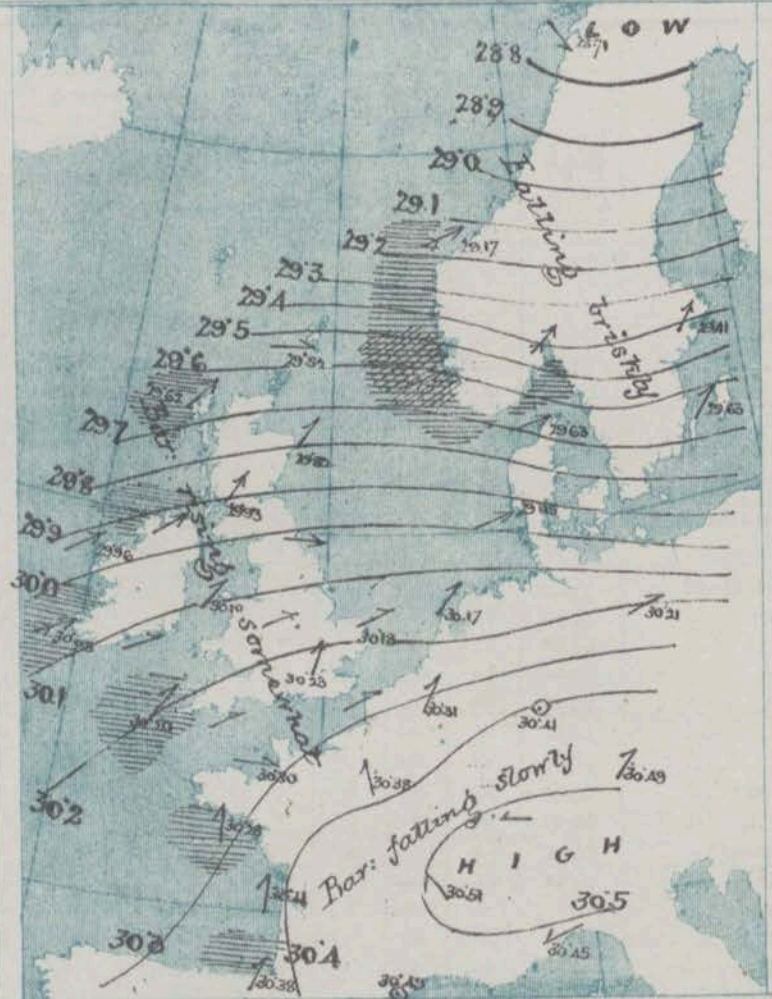
■ = Rough; ■ = High.

MEAN HEIGHT of the BAROMETER

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

During the 15 Years 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.708
Stornoway	29.735
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.813
Donaghadee	29.832
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roche's Point	29.870
Pembroke	29.868
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.886



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.

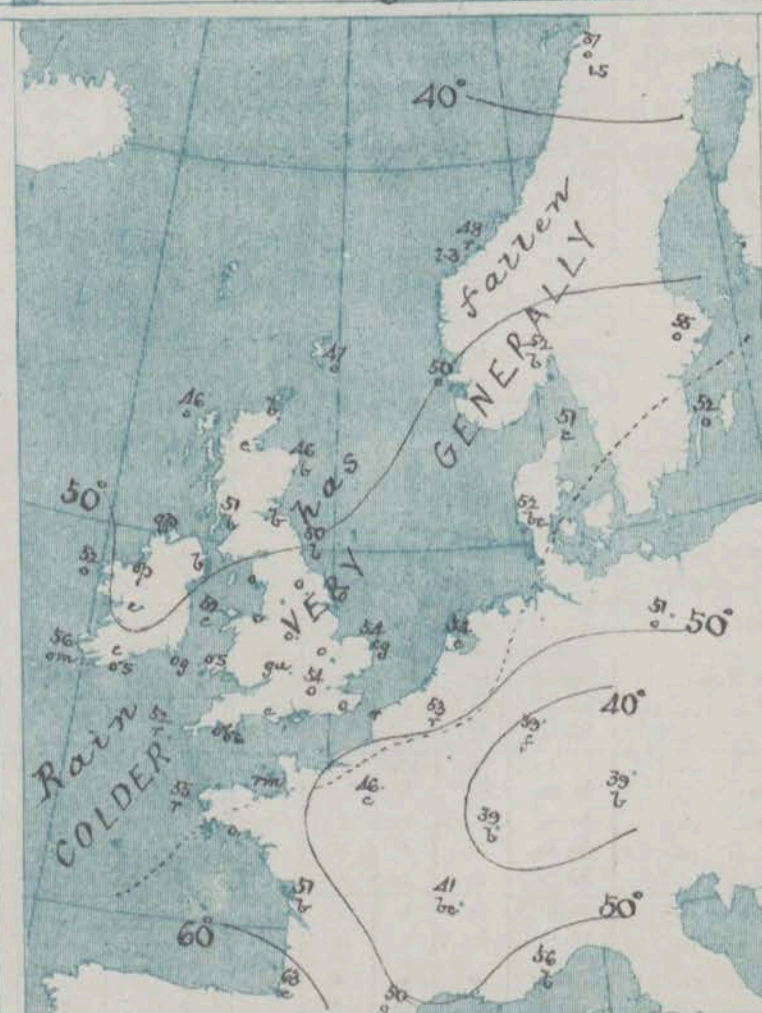
MEANS OF TEMPERATURE IN SHADE,

AND RAINFALL.

for the month of October.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	49.7	41.0	46.0	44.3	4.33
Stornoway	50.5	39.4	45.3	44.1	4.94
Wick	51.6	40.1	46.1	44.3	2.94
Nairn	51.6	40.6	44.5	42.5	2.88
Aberdeen	52.3	41.0	45.5	43.5	2.88
Leith	54.7	41.5	46.5	44.7	1.94
Shields	53.0	42.8	47.1	45.4	2.46
York	54.8	41.0	45.9	44.5	2.04
Loughborough	55.3	41.4	46.4	45.0	2.98
Ardrossan	53.5	43.8	47.6	45.6	4.31
Donaghadee	53.2	43.8	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.8	44.6	47.8	45.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.3	49.1	6.09
Roche's Point	55.8	45.9	50.2	48.4	4.17
Pembroke	54.8	48.0	51.2	49.1	4.19
Scilly	56.6	50.3	53.8	51.7	3.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.28
LONDON	56.6	43.2	48.0	46.4	2.74
Oxford	55.3	42.5	46.7	45.3	2.72
Cambridge	56.4	41.2	46.4	45.4	2.36
Yarmouth	54.3	44.8	49.2	47.9	2.97

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.5 ins: and upwards in an anticyclone lying over South Germany, Switzerland, and the southeast of France.
 Lowest, 28.8 ins: and less, in a depression lying over the north of Norway.
 Gradient steep over Scandinavia, the North Sea and the north of our Islands, but slight elsewhere.
 Barometer rising in our Islands, but falling elsewhere, — slightly in France, but quickly in Scandinavia.

TEMPERATURE

Highest, 63° at Biarritz, 59° at Lorient, 57° at Fieslow, and 56° at Valence, Jersey, Hurst Castle and Ayr.
 Lowest, 37° at Bodö, 45° at Naun, 46° at Stromway, Aberdeen, and Lerwick, and 47° at Lumburg H^t, Nork, and Donaghadee.
 The maxima registered over England yesterday were again high for the time of year: at Cambridge the thermometer rose to 66°.

WIND

SW^{ly} over our Islands, the North Sea, and Scandinavia; strong to a gale in Norway.
 Moderate S^{ly} in the west of France; E^{ly} in the south of that country.
 Fresh SW^{ly} gales were experienced yesterday on several of the more exposed parts of our coasts.

WEATHER

Fine in Denmark, Scotland, the north of England and the greater part of France.
 Cloudy or overcast elsewhere, with rain at the mouth of the Channel, and passing showers in the north of Ireland.
 Rain fell yesterday in all parts of Western Europe, and thunder and lightning were reported in the north of Scotland.

SEA

High at Skudesnaes, and rough on the Norwegian coasts generally, as well as at Lumburg H^t, Malin H^t, Valence, and Sully.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometric rise appears to be slackening in the west, and it is probable that fresh depressions will shortly appear off the Irish or Scotch coasts. A shallow secondary disturbance is apparently advancing eastwards along the English Channel.

FORECASTS

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

DISTRICTS.

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

FORECASTS.

SW^{ly} and W^{ly} winds, fresh or strong; cloudy, some rain.
 SW^{ly} winds, moderate or fresh; fine to unsettled and some rain.
 SW^{ly} winds, moderate or fresh; unsettled, rain at times.

DISTRICTS.

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

FORECASTS.

SW^{ly} winds, fresh or strong; fine to unsettled and some rain.
 Same as Nos 3 to 5.
 SW^{ly} to S^{ly} winds, increasing in force; unsettled, some rain.

WARNINGS

The South Cone is still flying in districts 0, 1, 2, and part of 6.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wva.	Sea.		Bar.	Dry.	Wet.	Wind.	Wva.	Sea.
Skudesnaes ...	29.80	53	52	SSW 8	r f	6	Holyhead ...	29.87	57	57	SSW 9	r q m	7
Smaburgh Head ...	29.88	56	55	SW 6	r	5	Valencia ...						
Stormoway ...							Scilly ...						
Aberdeen ...							Jersey ...	30.28	64	60	S 5	c	4
Shields ...							Dungeness ...	30.24	59	56	SW 5	c	4
Ardrossan ...							London ...						*
Malin Head ...	29.80	59	54	SW 6	b	4	Yarmouth ...						
Mullaghmore ...							Rocheport ...	30.45	69	62	SSW 4	b	2
Belmullet ...	29.87	58	53	WSW 9	b	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that pressure was still high over the Continent, low over the Atlantic - especially off our northwestern coasts - the 8 am readings ranging from between 30.3 ins. and 30.6 ins. in a high-pressure area covering France and Germany, with SE^{an} and S^{an} Europe, and from between 30.2 ins. and 30.4 ins. in another area lying over Finland and northern Europe, to below 29.4 ins. in a large depression, the centre of which lay to the northwestward of the Hebrides. The gradients were moderate over the Continent, but steep and favourable for SW^{ly} winds over the British Islands and the North Sea. The winds reported were consequently S^{ly} to SW^{ly} in the last named regions, and blew a gale at the more western stations though they soon moderated in the east. In France, Germany and Russia the wind was very light and somewhat variable, while in Finland and over northern Europe they were SE^{ly} to E^{ly}. Heavy rain had fallen along the western coasts of the British Isles, and a considerable quantity over Scandinavia, with snow in places. Temperature remained low in the far north and also over Austria - Hungary but was high over the British Islands where the air was humid and close. The highest 8 am readings were 68° at Oron, 66° at Bilbao, 63° at San Fernando and Larvina, 62° at Cagliari, 61° at Valencia (Ireland) and Brindisi, and 55° to 60° in many parts of the British Islands. The lowest were (a) 1° at Uleaborg, 16° at Haparanda, 17° at Archangel and St. Petersburg, 24° at Moscow, and 27° at Bodo, (b) 28° at Hermanstadt, 32° at Buda-Pesth, and 33° at Clermont. During the day the thermometer rose to 70° at Rocheport, to 67° over central England, and to 65° in London, and rainy weather became more general over England.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 21ST TO THE 27TH OCTOBER 1888.

The weather over the British Islands has undergone considerable modification during this period. At the commencement of the week pressure was high, and its distribution anticyclonic; temperature was low (frosts inland) at night, calms, variable air and fog prevailed over England, and light SE^{ly} winds over Ireland and St. George's Channel. Gradually, however, the anticyclonic system moved S^{wd} and SE^{wd} reaching France by Tuesday, and South Germany on the following day. At the same time depressions began to appear in the north and northwest, and very mild and humid SW^{ly} winds spread all over the Kingdom, and blew hard in the west and north, where a great deal of rain fell. Temperature rose so much that readings of 60° and 63° were recorded at 8 am in many parts of our Islands towards the close of the week, and on Saturday a maximum of 70° was recorded in London, and 69° at Loughborough. Over Northern Europe, however, the weather became very cold and the wind SE^{ly} to E^{ly}.

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, 30th October 1888.*
Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 3 P.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 ..																		
	Hernösand ...	29.15	41	2	0	0	29.12		30	29		NE	4	0	*	43	30	0.16	
	Stockholm ...	29.36	48	W	8	6	29.47	+ 0.06	44	40	- 11	WNW	2	0	*	57	?	-	
	Wisby ...	29.57	48	W	8	6	29.60	- 0.03	46	45	- 6	WNW	6	6	*	55	39	-	
	Bodö ...	29.22	35	N	2	0	29.58	+ 0.87	26	23	- 11	E.N.E.	2	0	1	37	23	-	
	Christiansund...	29.35	44	WSW	5	r	29.66	+ 0.49	40	39	- 8	S	2	1	5	?	37	1.18	
	Skudesnaes ...	29.76	49	WNW	6	bc	29.82	+ 0.16	48	46	- 2	W	5	0	5	50	43	-	
	Christiania Fjord (Fjord)	29.59	60	WSW	5	b	29.67	+ 0.23	49	44	- 3	WSW	5	6	4	54	48	-	
	Skagen (The Sound)	29.71	48	NW	6	b	29.72	+ 0.09	47	45	- 4	NW	6	6	4	54	45	-	
	Fanö ...	29.99	49	WSW	4	b	29.97	+ 0.02	48	46	- 4	N	2	6	*	54	48	-	
BRITISH ISLANDS.	Sumburgh Head	29.62	47	W	2	bc	29.71	+ 0.19	47	45	0	W	1	bc	3	50	43	0.05	
	Stornoway ...	29.68	44	W	5	r	29.59	- 0.03	51	50	+ 5	SW	5	0	5	51	43	0.20	
	Wick ...	29.74	44	SW	2	c	29.73	+ 0.04	48	47	+ 1	S	3	0	1	52	?	0.01	
	Nairn ...	29.77	45	W	1	b	29.74	+ 0.02	46	44	+ 1	SSW	2	bc	1	52	42	0.12	
	Aberdeen...	29.84	44	SW	2	b	29.84	+ 0.02	45	43	- 1	SSW	3	bc	3	54	39	-	
	Leith ...	29.92	46	WSW	4	c	29.86	- 0.04	48	46	- 1	S	2	bc	*	56	39	0.01	
	Shields ...	29.95	53	SW	4	c	29.93	- 0.05	47	46	- 3	S	2	bc	2	56	45	-	
	Spurn Head ...	30.07	52	SW	3	0	30.00	- 0.14	49	48	- 2	SSW	2	0	3	53	47	-	
	York ...	30.06	51	SW	3	bc	29.99	- 0.10	45	45	- 4	SSE	1	1	*	55	44	-	
	Loughborough	30.12	52	SW	2	0	30.03	- 0.14	47	47	- 6	E	1	ogym	*	55	46	-	
GERMANY.	Ardrassan ...	29.93	52	WSW	4	c	29.81	- 0.12	51	50	0	S	4	bc	3	53	49	-	
	Malin Head ...	29.69	50	WSW	4	b	29.68	- 0.16	49	47	0	SSW	5	bc	5	54	47	-	
	Mullaghmore ...	29.95	50	SW	4	bc	29.70	- 0.24	52	49	+ 3	S	6	cqyp	5	55	49	0.07	
	Belmullet ...	29.93	53	WSW	3	b	29.68	- 0.28	51	49	- 1	WSW	5	6	*	59	49	0.20	
	Donaghadee ...	29.98	48	SW	4	0	29.83	- 0.16	47	47	0	SW	4	bc	2	56	44	0.06	
	Barrow-in-Furness	30.04	55	S	4	0	29.92	- 0.15	49	48	- 3	SE	5	dm	*	54	48	0.02	
	Liverpool (Bidston)	30.08	52	SW	2	0	29.96	- 0.16	49	48	- 2	SSE	2	r	2	56	47	0.03	
	Holyhead ...	30.06	54	SW	4	0	29.92	- 0.18	53	52	+ 1	SW	5	rgym	5	55	52	0.04	
	Parsonstown ...	30.05	52	W	0	0	29.82	- 0.24	50	48	+ 4	S	2	bc	*	50	46	-	
	Valencia ...	30.04	55	SSW	2	0	29.84	- 0.24	55	52	- 1	SW	5	0	5	58	52	0.04	
FRANCE & NETHERLANDS.	Roche's Point...	30.07	55	WSW	3	c	29.88	- 0.23	55	54	0	SW	4	c	4	57	53	0.01	
	Pembroke ...	30.12	54	SW	3	0	29.95	- 0.23	53	53	- 2	S	3	ogp	3	55	53	0.01	
	Scilly ...	30.12	53	W	0	0	29.94	- 0.26	54	54	+ 2	E	1	r	4	60	52	0.34	
	Prawle Point ...	30.16	51	NE	2	0	29.93	- 0.33	51	51	- 3	E.N.E.	3	rm	2	54	49	0.71	
	Jersey ...	30.13	60	WSW	3	og	30.00	- 0.30	60	59	+ 4	SW	6	ogym	5	62	55	0.24	
	Hurst Castle ...	30.16	52	E.N.E.	3	0	29.97	- 0.29	50	50	- 6	E.N.E.	2	rm	2	60	50	0.64	
	Dungeness ...	30.15	50	N.E.	4	r	30.00	- 0.25	51	51	- 4	E	4	r	3	55	49	0.85	
	London ...	30.17	51	SW	1	0	30.02	- 0.21	49	48	- 5	NE	1	rgf	*	56	48	0.43	
	Oxford ...	30.17	51	SW	1	0	30.04	- 0.18	48	47	- 5	S	1	p	*	56	45	0.20	
	Cambridge ...	30.19	55	SW	1	r	30.03	- 0.18	47	47	- 7	S	1	r	*	56	45	0.06	
PENINSULA.	Yarmouth ...	30.15	50	SW	2	og	30.05	- 0.13	49	48	- 5	SW	2	fg	2	54	46	0.08	
	Cuxhaven ...																		
	Berlin ...	30.16	55	WSW	2	0	30.12	- 0.09	50	49	- 1	W	3	0	*	57	48	0.16	
	Wiesbaden ...	*	*	*	*	*	30.17	- 0.24	50	49	+ 11	W	0	0	*	54	?	0.04	
	Munich ...	30.39	45	W	0	b	30.33	- 0.16	45	44	+ 6	SW	4	0	*	61	39	-	
	The Helder ...	30.15	52	SW	1	r	30.08	- 0.09	51	50	- 3	SW	1	0	1	55	50	0.08	
	Brussels ...	*	*	*	*	*	30.08	- 0.23	50	50	- 3	NE	3	r	*	55	50	1.06	
	Cape Gris Nez...	30.15	57	NE	5	r	30.02	- 0.25	50	50	- 5	E	5	r	4	57	50	1.02	
	Paris ...	30.26	59	SSW	3	0	30.17	- 0.21	55	53	+ 9	E.N.E.	4	0	*	64	?	-	
	Brest ...	30.18	60	SW	5	r	30.02	- 0.26	59	57	+ 4	SW	8	r	8	66	?	1.38	

For Explanation of Columns, see p. 4.

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

for 8 a.m. on Tuesday, 30th October. 1888.

(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_i \rightarrow = forces 8 to W_i
 \rightarrow = forces 5 to 7_i \rightarrow = forces 1 to 4_i
 \odot = dead calm

Sea Disturbance—where considerable, is shewn thus

MEAN HEIGHT *of the* BAROMETER

at 6 a m. for the month of October.
During the 15 Years 1871—1886

This is a hand-drawn weather map of Europe and the North Atlantic. The map features several isobars (lines of equal pressure) and isotherms (lines of equal temperature). Key features include:

- Pressure Systems:** A low-pressure system is labeled "LOW" in the upper right, with values like 29.5, 29.4, 29.3, 29.2, and 29.1. Another low is indicated by "V O W" on the left. High-pressure areas are marked with "H" in the lower right.
- Weather Systems:** A large, shaded area in the center is labeled "Bar: risen quickly". Other areas are labeled "Very" and "Generally".
- Temperature and Pressure Values:** Numerous numerical values are written along the lines, such as 29.6, 29.7, 29.8, 29.9, 30.0, 30.1, 30.2, 30.3, 30.4, 30.5, 30.6, 30.7, 30.8, 30.9, 31.0, 31.1, 31.2, 31.3, 31.4, 31.5, 31.6, 31.7, 31.8, 31.9, 32.0, 32.1, 32.2, 32.3, 32.4, 32.5, 32.6, 32.7, 32.8, 32.9, 33.0, 33.1, 33.2, 33.3, 33.4, 33.5, 33.6, 33.7, 33.8, 33.9, 34.0, 34.1, 34.2, 34.3, 34.4, 34.5, 34.6, 34.7, 34.8, 34.9, 35.0, 35.1, 35.2, 35.3, 35.4, 35.5, 35.6, 35.7, 35.8, 35.9, 36.0, 36.1, 36.2, 36.3, 36.4, 36.5, 36.6, 36.7, 36.8, 36.9, 37.0, 37.1, 37.2, 37.3, 37.4, 37.5, 37.6, 37.7, 37.8, 37.9, 38.0, 38.1, 38.2, 38.3, 38.4, 38.5, 38.6, 38.7, 38.8, 38.9, 39.0, 39.1, 39.2, 39.3, 39.4, 39.5, 39.6, 39.7, 39.8, 39.9, 40.0, 40.1, 40.2, 40.3, 40.4, 40.5, 40.6, 40.7, 40.8, 40.9, 41.0, 41.1, 41.2, 41.3, 41.4, 41.5, 41.6, 41.7, 41.8, 41.9, 42.0, 42.1, 42.2, 42.3, 42.4, 42.5, 42.6, 42.7, 42.8, 42.9, 43.0, 43.1, 43.2, 43.3, 43.4, 43.5, 43.6, 43.7, 43.8, 43.9, 44.0, 44.1, 44.2, 44.3, 44.4, 44.5, 44.6, 44.7, 44.8, 44.9, 45.0, 45.1, 45.2, 45.3, 45.4, 45.5, 45.6, 45.7, 45.8, 45.9, 46.0, 46.1, 46.2, 46.3, 46.4, 46.5, 46.6, 46.7, 46.8, 46.9, 47.0, 47.1, 47.2, 47.3, 47.4, 47.5, 47.6, 47.7, 47.8, 47.9, 48.0, 48.1, 48.2, 48.3, 48.4, 48.5, 48.6, 48.7, 48.8, 48.9, 49.0, 49.1, 49.2, 49.3, 49.4, 49.5, 49.6, 49.7, 49.8, 49.9, 50.0, 50.1, 50.2, 50.3, 50.4, 50.5, 50.6, 50.7, 50.8, 50.9, 51.0, 51.1, 51.2, 51.3, 51.4, 51.5, 51.6, 51.7, 51.8, 51.9, 52.0, 52.1, 52.2, 52.3, 52.4, 52.5, 52.6, 52.7, 52.8, 52.9, 53.0, 53.1, 53.2, 53.3, 53.4, 53.5, 53.6, 53.7, 53.8, 53.9, 54.0, 54.1, 54.2, 54.3, 54.4, 54.5, 54.6, 54.7, 54.8, 54.9, 55.0, 55.1, 55.2, 55.3, 55.4, 55.5, 55.6, 55.7, 55.8, 55.9, 56.0, 56.1, 56.2, 56.3, 56.4, 56.5, 56.6, 56.7, 56.8, 56.9, 57.0, 57.1, 57.2, 57.3, 57.4, 57.5, 57.6, 57.7, 57.8, 57.9, 58.0, 58.1, 58.2, 58.3, 58.4, 58.5, 58.6, 58.7, 58.8, 58.9, 59.0, 59.1, 59.2, 59.3, 59.4, 59.5, 59.6, 59.7, 59.8, 59.9, 60.0, 60.1, 60.2, 60.3, 60.4, 60.5, 60.6, 60.7, 60.8, 60.9, 61.0, 61.1, 61.2, 61.3, 61.4, 61.5, 61.6, 61.7, 61.8, 61.9, 62.0, 62.1, 62.2, 62.3, 62.4, 62.5, 62.6, 62.7, 62.8, 62.9, 63.0, 63.1, 63.2, 63.3, 63.4, 63.5, 63.6, 63.7, 63.8, 63.9, 64.0, 64.1, 64.2, 64.3, 64.4, 64.5, 64.6, 64.7, 64.8, 64.9, 65.0, 65.1, 65.2, 65.3, 65.4, 65.5, 65.6, 65.7, 65.8, 65.9, 66.0, 66.1, 66.2, 66.3, 66.4, 66.5, 66.6, 66.7, 66.8, 66.9, 67.0, 67.1, 67.2, 67.3, 67.4, 67.5, 67.6, 67.7, 67.8, 67.9, 68.0, 68.1, 68.2, 68.3, 68.4, 68.5, 68.6, 68.7, 68.8, 68.9, 69.0, 69.1, 69.2, 69.3, 69.4, 69.5, 69.6, 69.7, 69.8, 69.9, 70.0, 70.1, 70.2, 70.3, 70.4, 70.5, 70.6, 70.7, 70.8, 70.9, 71.0, 71.1, 71.2, 71.3, 71.4, 71.5, 71.6, 71.7, 71.8, 71.9, 72.0, 72.1, 72.2, 72.3, 72.4, 72.5, 72.6, 72.7, 72.8, 72.9, 73.0, 73.1, 73.2, 73.3, 73.4, 73.5, 73.6, 73.7, 73.8, 73.9, 74.0, 74.1, 74.2, 74.3, 74.4, 74.5, 74.6, 74.7, 74.8, 74.9, 75.0, 75.1, 75.2, 75.3, 75.4, 75.5, 75.6, 75.7, 75.8, 75.9, 76.0, 76.1, 76.2, 76.3, 76.4, 76.5, 76.6, 76.7, 76.8, 76.9, 77.0, 77.1, 77.2, 77.3, 77.4, 77.5, 77.6, 77.7, 77.8, 77.9, 78.0, 78.1, 78.2, 78.3, 78.4, 78.5, 78.6, 78.7, 78.8, 78.9, 79.0, 79.1, 79.2, 79.3, 79.4, 79.5, 79.6, 79.7, 79.8, 79.9, 80.0, 80.1, 80.2, 80.3, 80.4, 80.5, 80.6, 80.7, 80.8, 80.9, 81.0, 81.1, 81.2, 81.3, 81.4, 81.5, 81.6, 81.7, 81.8, 81.9, 82.0, 82.1, 82.2, 82.3, 82.4, 82.5, 82.6, 82.7, 82.8, 82.9, 83.0, 83.1, 83.2, 83.3, 83.4, 83.5, 83.6, 83.7, 83.8, 83.9, 84.0, 84.1, 84.2, 84.3, 84.4, 84.5, 84.6, 84.7, 84.8, 84.9, 85.0, 85.1, 85.2, 85.3, 85.4, 85.5, 85.6, 85.7, 85.8, 85.9, 86.0, 86.1, 86.2, 86.3, 86.4, 86.5, 86.6, 86.7, 86.8, 86.9, 87.0, 87.1, 87.2, 87.3, 87.4, 87.5, 87.6, 87.7, 87.8, 87.9, 88.0, 88.1, 88.2, 88.3, 88.4, 88.5, 88.6, 88.7, 88.8, 88.9, 89.0, 89.1, 89.2, 89.3, 89.4, 89.5, 89.6, 89.7, 89.8, 89.9, 90.0, 90.1, 90.2, 90.3, 90.4, 90.5, 90.6, 90.7, 90.8, 90.9, 91.0, 91.1, 91.2, 91.3, 91.4, 91.5, 91.6, 91.7, 91.8, 91.9, 92.0, 92.1, 92.2, 92.3, 92.4, 92.5, 92.6, 92.7, 92.8, 92.9, 93.0, 9

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 October.

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

GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.40 in. and upwards over Switzerland and the southeast of France. Lowest, { 29.2 in. and less, in a depression lying over the Gulf of Bothnia. 29.6 in. and less, in another disturbance lying to the northward of Scotland. A third but very small and shallow system is lying over the English Channel. Gradients slight over England and the Netherlands, but moderately steep elsewhere. Barometer falling at all but the Scandinavian stations.
TEMPERATURE	Highest, 61° at Dorin and Brinnitz, 60° at Jersey, 59° at Brest, 56° at Dijon, and 55° at Valence, Rochefort, and Rochefort. Lowest, 26° at Boats, 30° at Helsingfors, 40° at Christiania, 41° at Ljona, 44° at Stockholm, and 45° at Aberdeen, York, and Munich. The maximum readings over England yesterday were about 10° lower than those of the previous day.
WIND	Light or moderate from E. or NE. over Belgium, the extreme south of England, and the northeast of France. Moderate or fresh from the SW nd in the west and north of our Islands; strong to gale from the same quarter in the northwest of France. W nd on the eastern shores of the North Sea; NE nd in the north of Scandinavia. Fair over the greater part of Iceland and Scotland, as well as in Denmark and the south of France.
WEATHER	Rainy over England, Belgium and the north of France, with fog or mist in many places. Since yesterday 1.4 in. of rain has fallen at Brest, 1.1 in. at Brussels, 1.0 in. at Copenhagen, 0.9 in. at Antwerp, and 0.7 in. at Havre.
SEA	Very high off the northwest of France, and rather rough on several of the more exposed parts of the south-western, western and northern coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions noticed respectively off our northwest coast and over the Channel, will probably move in a northerly direction, but the progress of the latter disturbance is likely to be very gradual. Some further increase in the strength of the SWnd wind will probably take place on our western and northern coasts.

FORECASTS 3rd OCTOBER

for the 24 hours ending at NOON on 1888.

DISTRICTS.

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

FORECASTS.

SWnd winds, increasing in force; cloudy, some rain.
Snd and SWnd winds, fresh; fair to cloudy and some rain.
Light breezes, chiefly SWnd; dull, misty, rain at times.
Variable breezes, finally SWnd; dull, misty, rain at times.

DISTRICTS.

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

WARNINGS

FORECASTS.

Same as N^o 1.
Same as N^o 0.
Snd breezes, moderate or fresh, unsettled, some rain.
SWnd winds, strong, changeable, some rain.
NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudeenæs ...	29.74	50	47	W 8	0	6	Holyhead ...	30.08	55	53	SW 4	0 m	4
Sumburgh Head ...	29.60	46	44	W 3	c	3	Valencia ...	30.07	58	54	SW 4	0 m	4
Stornoway ...	29.68	46	45	W 5	r	5	Scilly ...	30.15	55	53	S 1	c p	5
Aberdeen ...	29.82	50	44	SW 5	c q u	4	Jersey ...	30.16	60	58	S 3	0	3
Shields ...	29.97	56	54	SW 4	c	2	Dungeness ...	30.20	54	54	WSW 4	r	3
Ardrossan ...	29.91	53	50	WSW 4	c	3	London ...	30.20	53	52	W 2	c r	#
Malin Head ...	29.87	53	50	W 5	b	4	Yarmouth ...	30.18	54	53	WSW 2	c r	2
Mullaghmore ...	29.95	55	50	WSW 5	b c	4	Rocheport ...	30.38	65	60	S 5	b c	2
Belmullet ...	29.95	58	55	WSW 4	b	*							

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

The reports for yesterday morning showed that pressure varied from between 30.3 ins. and 30.5 ins. over the Mediterranean, with Southern and Central Europe to somewhat below 28.8 ins.; in a new, and very large depression, the central area of which had advanced eastwards from the Atlantic to Lapland during the previous night. SW^{ly} and W^{ly} winds consequently prevailed over the British Islands, North Sea, Scandinavia, and the Baltic, accompanied by mild and very unsettled weather, and a great deal of rain, while over Central and Southern Europe the wind was light and variable, the weather fine (except at some of the more northern stations), and the sky, in most places, clear. Temperature had risen over Northern Europe, but fallen decidedly over Central Russia, the 8 a.m. readings varied from 60° and more, over the southern and western parts of the Mediterranean to much below the freezing point near Moscow, and to a little below it at some of the more southern of ^{these} French stations. The highest readings reported were 71° at Algiers, Tif, and San Fernando, 70° at Malta, 69° at Palermo, 68° at Brindisi, 59° at Corunna, 56° at Valencia, Jersey, and Hurst Castle, 55° at Stockholm, 53° at Loughborough, and 50° at Shields; the lowest were 17° at Moscow, 27° at Kuopio, 24° at Uleaborg, and 32° at Jop and Clermont.

Rainy unsettled weather continued over the British Islands all day, and temperature began to give way a little in some places.

General Remarks on the Weather over Europe for the 24 hours ended 8 a.m. OCT. 28th

The reports for Saturday morning showed that pressure varied from between 30.3 ins. and 30.6 ins. in a large high pressure area lying over Spain, France, Central Europe and Southern Russia, and from between 30.0 ins. and 30.2 ins. over Lapland and Northern Russia to less than 29.5 ins. in a large depression, the centre of which lay to the northward of the British Isles. Gradients were steep over the whole of the United Kingdom and North Sea, but in most places the barometer was rising slightly, as the southern high pressure area tended to spread northwards. The SW^{ly} wind — so generally prevalent over Northern Europe, blew very hard on the western and northern coasts of the British Isles, and a moderate to fresh breeze in the south and east; it was accompanied by much rain over Ireland and the Irish Sea, but by very fine warm weather over England. Over France and Germany the wind was very light, the weather fine, but the morning was cold. Temperature was as high as 60° and more, not only over the southern and western part of the Mediterranean, but also in many parts of England and Ireland, while it was much below the freezing point over Finland and Northern Europe generally. The highest readings were 69° at Palma, 67° at Malta, 66° at Algiers and Bilbao, 64° at Corunna, 63° at Valencia and Tarragona, 62° at several of the Lotet stations, and 60° in London; the lowest were 3° at Uleaborg, 17° at Kuopio, 18° at Archangel, 26° at St. Petersburg, and 26° (the Haparanda and Hemmstrand reports are not to hand).

On the thermometer rose to 73° at Helsingfors and Birnie, to 70° at Rocheport and in London, 63° at Loughborough, 67° at Tarragona and to 68° in Paris.

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 31st OCTOBER. 1888.
 Issued by the Meteorological Office, 116, Victoria Street, London. R. H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										LAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.			
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ..	29.69	20	N	2	b	29.82	+ .45	14	13	-	6	N	4	b	*	25	?	-
	Hernösand ...	29.84	22	Z	0	b	29.97	+ .85	15	15	-	15	Z	0	b	*	41	?	-
	Stockholm ...	29.76	35	NNE	2	o	29.90	+ .43	31	29	-	13	NNE	2	o	*	50	?	-
	Wisby ...	29.80	39	NN	4	b	29.91	+ .31	37	36	-	9	SE	4	o	*	52	37	-
	Bodö ...	29.85	24	ENE	2	b	29.91	+ .33	23	20	-	3	ENE	2	b	1	28	19	-
	Christiansund...	29.78	39	ESE	2	c	29.67	+ .01	37	36	-	3	ESE	3	b	3	41	34	0.04
	Skudesnaes ...	29.76	48	SSE	7	c	29.58	- .24	49	48	+	1	S	8	r	5	52	46	0.32
	Christiania Fjord (Færd)	29.74	48	WSW	4	b	29.74	+ .07	45	44	-	4	SSE	3	o	2	50	43	-
	Skagen (The Scaw)	29.78	46	WNW	1	b	29.76	+ .04	45	44	-	2	WSW	1	r	1	50	41	0.01
	Fanö ...	29.83	48	SW	2	b	29.84	- .13	47	46	-	1	SW	4	r	*	52	45	-
BRITISH ISLANDS.	Sumburgh Head	29.53	47	SSE	2	o	29.38	- .33	46	45	-	1	W	1	c	3	50	43	0.62
	Stornoway ..	29.42	47	SW	4	o	29.35	- .24	38	38	-	13	W	2	c	3	51	39	0.10
	Wick ...	29.49	48	SW	3	o	29.40	- .33	43	42	-	5	SW	1	o	0	50	40	-
	Nairn ...	29.49	49	SW	2	b	29.36	- .38	43	41	-	3	Z	0	o	0	55	41	0.02
	Aberdeen...	29.56	49	S	5	r	29.45	- .39	46	44	+	1	S	4	cq	4	53	45	0.05
	Leith ...	29.62	47	WSW	3	c	29.53	- .33	51	45	+	2	W	6	cp	*	58	46	-
	Shields ...	29.70	51	SW	5	r	29.65	- .28	47	44	-	0	SW	3	bm	2	52	45	0.24
	Spurn Head ...	29.82	49	SSW	3	r	29.83	- .17	47	45	-	2	SSW	5	b	4	50	45	0.02
	York ...	29.87	50	S	2	r	29.79	- .20	45	43	-	0	SSW	1	b	*	53	43	0.10
	Loughborough	29.87	49	S	2	r	29.90	- .13	46	44	-	1	SW	2	c	*	51	45	0.04
GERMANY.	Ardrossan ...	29.61	52	SSW	4	c	29.52	- .29	50	48	-	1	WSW	6	cpq	5	54	48	0.16
	Malin Head ...	29.57	48	WSW	5	b	29.55	- .13	49	47	-	0	WNW	6	bpq	5	53	43	0.51
	Mullaghmore ...	29.65	49	SW	5	c	29.68	- .02	50	48	-	2	WSW	6	cp	6	53	47	0.47
	Belmullet ...	29.67	50	W	6	b	29.71	+ .03	50	48	-	1	W	4	o	*	54	48	0.33
	Donaghadee ...	29.68	46	SW	3	b	29.64	- .19	46	45	-	1	SW	4	b	2	53	44	0.19
	Barrow-in-Furness	29.74	59	SW	5	b	29.75	- .17	51	48	+	2	SW	5	c	*	52	47	0.23
	Liverpool (Bidston)	29.87	47	SW	3	b	29.83	- .13	49	45	-	0	WSW	2	b	3	54	47	0.31
	Holyhead ...	29.80	52	SW	5	c	29.82	- .10	50	48	-	3	SW	5	bq	5	54	47	0.37
	Parsonstown ...	29.81	46	Z	0	c	29.82	- .00	45	44	-	5	SW	1	c	*	?	44	0.21
	Valencia ...	29.90	52	WSW	6	c	29.90	+ .06	52	50	+	3	W	3	bp	4	56	48	0.11
FRANCE & NETHERLANDS.	Roche's Point...	29.94	52	W	3	b	29.92	+ .04	48	46	-	7	WSW	3	b	4	57	49	0.25
	Pembroke ...	29.89	54	WSW	6	b	29.92	- .03	52	52	+	1	WSW	5	bpq	5	55	49	0.07
	Scilly ...	30.01	55	W	6	b	30.01	+ .07	53	50	-	1	SSW	4	c	4	59	52	0.01
	Prawle Point ...	30.01	54	W	5	b	30.03	+ .10	52	49	+	1	WSW	4	og	3	55	48	0.24
	Jersey ...	30.06	56	WNW	5	c	30.10	+ .10	55	51	-	5	WSW	3	ogm	3	61	53	0.08
	Hurst Castle ...	29.96	55	W	5	c	30.04	+ .07	52	51	+	2	W	5	b	3	50	50	0.26
	Dungeness ...	29.90	57	WNW	3	o	30.00	- .00	52	49	+	1	W	4	c	4	58	49	0.35
	London ...	29.93	57	W	1	b	30.00	- .02	48	46	-	1	SSW	2	b	*	53	44	0.40
	Oxford ...	29.93	50	W	2	b	29.98	- .06	46	45	-	2	SW	3	b	*	52	44	0.16
	Cambridge ...	29.89	50	SE	1	o	29.96	- .07	45	44	-	2	SW	1	c	*	52	41	0.19
PENIN-SULA.	Yarmouth ...	29.87	50	Z	0	o	29.93	- .12	46	45	-	3	SW	2	b	2	50	43	-
	Cuxhaven ...	30.01	48	SW	1	o	29.96	- .18	48	47	-	S	3	c	*	51	44	0.22	
	Berlin ...	29.95	50	SW	2	r	29.94	- .18	46	45	-	4	E	2	r	*	54	45	0.43
	Wiesbaden ...	*	*	*	*	*	30.10	- .07	49	48	-	1	NW	1	c	*	59	48	-
	Munich ...	30.17	52	W	4	b	30.21	- .12	52	50	+	7	SW	5	r	*	63	?	0.04
	The Helder ...	29.84	49	NE	3	c	29.93	- .15	50	49	-	1	WSW	3	b	3	52	48	0.20
	Brussels ...	*	*	*	*	*	30.07	- .01	57	49	+	1	WSW	4	o	*	60	50	0.45
	Cape Gris Nez...	29.90	53	W	8	b	30.02	- .00	53	51	+	3	W	5	b	4	59	50	0.53
	Paris ...	30.07	62	SW	5	o	30.15	- .02	57	50	-	4	SSW	1	o	*	65	49	-
	Brest ...	30.15	57	NW	4	b	30.15	+ .13	55	57	-	4	NW	4	o	3	68	41	0.08
PENIN-SULA.	Lorient ...	30.14	58	WNW	5	c	30.13	+ .04	56	53	-	5	NW	3	o	5	61	55	-
	Rocheport ...	30.35	61	ESE	5	r	30.19	- .11	56	50	+	1	ENE	3	o	2	?	52	-
	Belfort ...	30.20	45	W	1	b	30.20	- .12	53	53	+	10	W	3	r	*	62	32	0.20
	Lyons ...	30.28	52	W	1	b	30.26	- .15	42	41	+	1	ESE	1	b	*	63	41	-
	Nice ...	30.27	61	NE	5	o	30.22	- .14	52	50	+	2	ENE	3	c	0	64	50	-
	Perpignan ...	30.30	61	Z	0	b	30.28	- .16	?	?	-	?	Z	0	o	*	64	41	-
	Biarritz ...	30.27	62	N	3	b	30.45	- .16	53	50	-	8	SSE	3	b	5	68	48	-
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lisbon ...	30.23	64	NNE	4	b	30.19	- .17	52	50	-	2	NE	4	b	4	70	54	-	

WEATHER CHARTS

for 8 a.m. on *WEDNESDAY, 31ST OCTOBER, 1888.*

BAROMETER, WIND & SEA

(Explanation of Map)

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

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

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

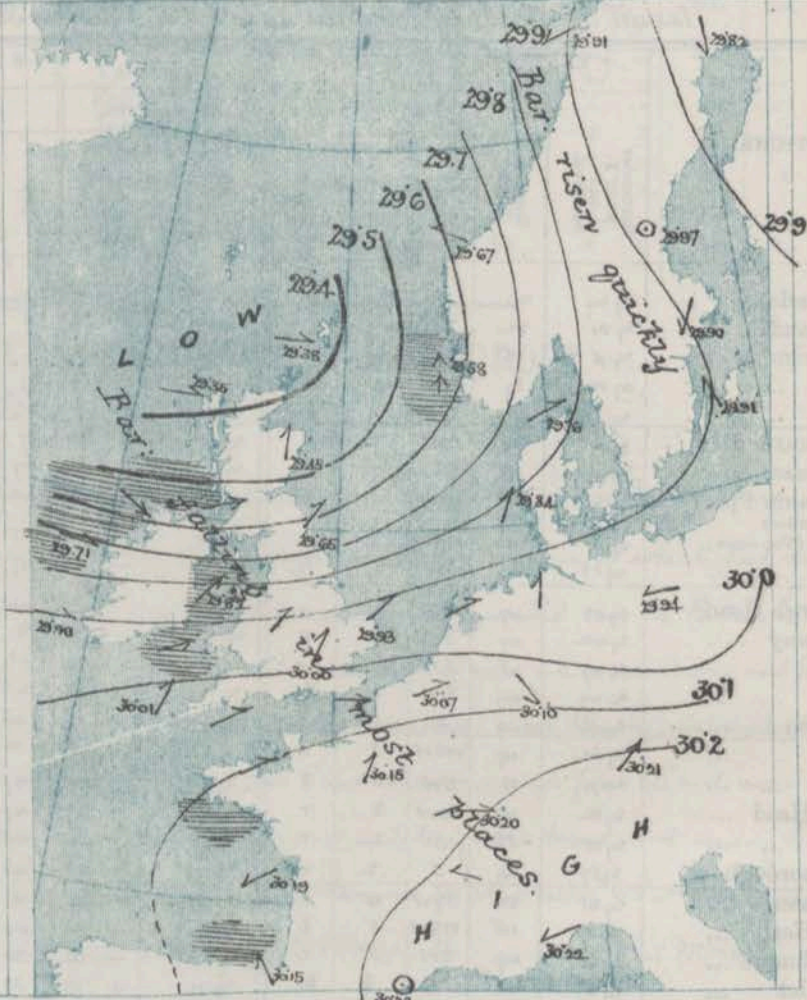
Sea Disturbance — where considerable is shown thus.

— Rough — High

MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS
Sumburgh Head	29.705
Stornoway	29.735
Wick	29.745
Nairn	29.761
Aberdeen	29.774
Leith	29.804
Shields	29.835
York	29.872
Loughborough	29.891
Ardrossan	29.813
Donaghadee	29.832
Holyhead	29.853
Liverpool	29.864
Parsonstown	29.881
Valencia	29.873
Roche's Point	29.870
Pembroke	29.868
Scilly	29.894
Jersey	29.904
Hurst Castle	29.907
Dover	29.909
LONDON	29.911
Oxford	29.910
Cambridge	29.900
Yarmouth	29.886



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.

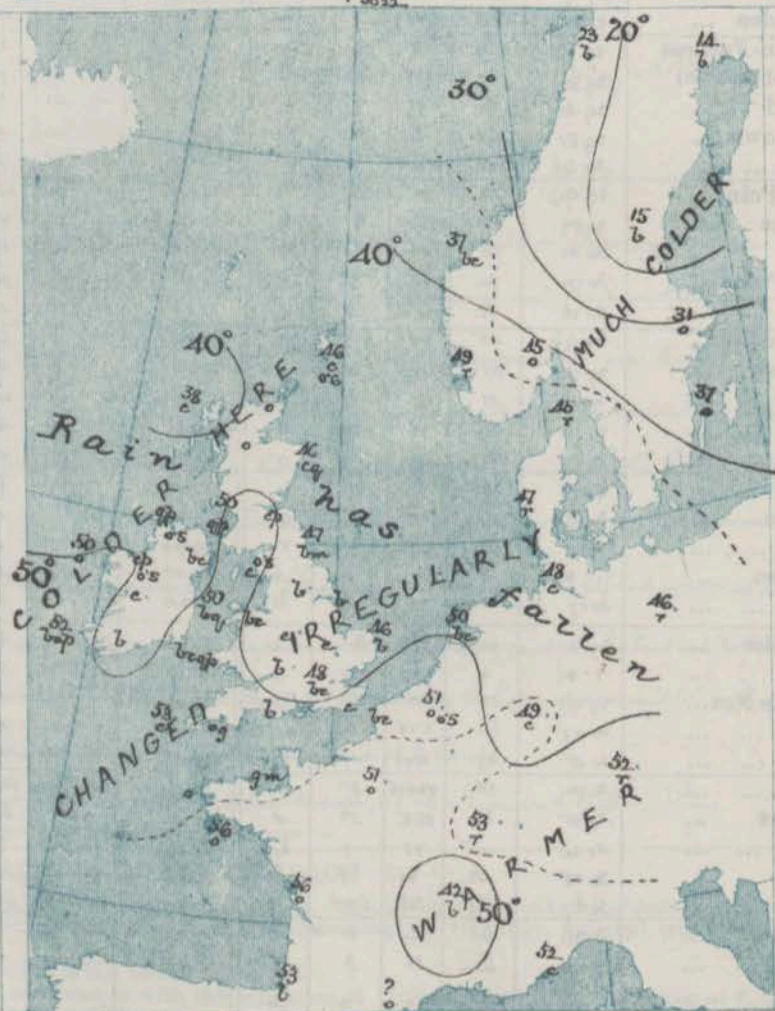
MEANS OF TEMPERATURE IN SHADE.

AND RAINFALL.

for the month of October.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	Dry at 8 a.m.	Wet	
Sumburgh Head	49.7	41.6	46.0	44.3	4.38
Stornoway	50.5	39.5	45.3	44.1	4.94
Wick	51.0	40.1	46.1	44.3	2.94
Nairn	51.6	40.8	44.5	42.5	2.88
Aberdeen	52.3	41.0	45.5	43.5	2.88
Leith	54.7	41.5	46.5	44.7	1.84
Shields	53.0	42.8	47.1	45.4	2.46
York	54.8	41.0	45.9	44.5	2.64
Loughborough	55.3	41.4	46.4	45.0	2.98
Ardrossan	53.5	43.6	47.6	45.8	4.31
Donaghadee	53.2	43.3	47.7	46.5	3.35
Holyhead	54.5	47.0	50.2	48.2	4.53
Liverpool	53.6	44.6	47.8	45.8	3.62
Parsonstown	54.7	41.1	46.4	44.7	3.27
Valencia	56.6	46.5	51.3	49.1	6.09
Roche's Point	55.8	45.9	50.2	48.4	4.17
Pembroke	54.8	48.0	51.2	49.1	4.13
Scilly	56.6	50.3	53.8	51.7	3.84
Jersey	58.1	49.2	53.6	51.1	4.34
Hurst Castle	57.1	46.0	51.4	49.6	3.24
Dover	55.8	47.0	50.7	48.7	3.28
LONDON	56.6	43.2	48.0	46.4	2.74
Oxford	55.3	42.5	46.7	45.3	2.72
Cambridge	53.4	41.2	46.4	45.4	2.36
Yarmouth	54.3	44.8	49.2	47.0	2.97

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and upwards in an anticyclone lying over south Germany and the southeast of France.
Lowest 29.4 ins. and less in a large depression lying off the north of Scotland.
Gradients moderate over our Islands and the North Sea, but slight elsewhere.
Barometer falling at all but the Swedish stations.

TEMPERATURE

Highest 56° at Rochefort, 55° at Jersey and Brest, 54° at Pembroke and Lisbon, and 53° at Scilly, Belfort and Biarritz.
Lowest 44° at Haparanda, 45° at Hernösand, 23° at Bodö, 31° at Stockholm, 37° at Ulsby, and 38° at Stornoway.

WIND

Moderate or fresh from S.W. or W. over the greater part of the United Kingdom.
S. on the eastern shores of the North Sea; strong to a gale at Skudesnäs.
Light from N.W. in the northwest of France, light from E. or S.E. in the southwest of that country.

WEATHER

Fine in the east and south of England, as well as in the north of Scandinavia.
Cloudy elsewhere with showers on our west coasts, and rain in Denmark and Germany.
Rain fell yesterday in all parts of western Europe, the largest amounts being 0.8 in. at Barrois in France, and 0.6 in. at Dumburg, N.

SEA

Rough at Mullaghmore and rather rough on our west coasts generally, as well as over the Bay of Biscay.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The rise of the barometer which took place on our southwest coasts yesterday has been succeeded by a fresh fall, and as the wind there is inclined to back, it is probable that another depression is approaching our Islands from the southwestward.
The large disturbance off the north of Scotland will probably travel away towards Scandinavia.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

SW³ winds, moderate or fresh; fair generally, but some showers.

SW³ to S⁴ or SE³ winds, moderate; some showers at first, with bright intervals, but afterwards dull and rainy.

DISTRICTS.

FORECASTS.

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

Same as N^{os} 0 to 2.

Same as N^{os} 3 to 5.

Same as N^{os} 0 to 2.

W³ winds, backing later; unsettled, some showers.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Woa.	Sea.		Bar.	Dry.	Wet.	Wind.	Woa.	Sea.
Skudesnaes ...	29.82	52	49	W 2	c	4	Holyhead ...	29.78	51	49	SW 6	rmg	5
Sumburgh Head ...	29.62	50	47	S 1	c	3	Valencia ...	29.59	50	51	W 6	bpg	6
Stornoway ...	29.48	48	48	SW 4	r	4	Scilly ...	29.98	50	52	W 6	c	5
Aberdeen ...	29.66	51	49	SSE 4	cp	4	Jersey ...	30.00	59	58	W 7	cpq	5
Shields ...	29.77	50	49	S 3	r	2	Dungeness ...	29.77	50	50	SW 7	r	5
Ardrossan ...	29.63	52	50	SW 4	r	3	London ...	29.86	53	51	E 1	og	*
Malin Head ...	29.57	51	47	SW 5	bc	5	Yarmouth ...	29.88	50	50	ESE 3	r	3
Mullaghmore ...	29.65	51	49	SW 5	cpq	4	Rocheport ...	30.27	63	60	SW 5	c	2
Belmullet ...	29.68	52	48	W 5	bc	*							

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

The reports for yesterday morning showed a rapid decrease of pressure over Northern Russia, and a considerable recovery, over Norway, as the depression which appeared over Lapland on the previous day had moved eastwards to the shores of the White Sea. Over the British Isles the barometer was falling slightly, as a small secondary depression was moving north-eastwards over the English Channel towards the south-east of England. Readings at 8 a.m. varied from 30.0 ins. and more over the Mediterranean, Spain, the south of France, Switzerland, and Italy, to rather below 29.6 ins. off our northwest coasts, and over the whole of Finland and Northern Russia, and to 28.3 ins. at Archangel. The winds reported varied greatly, being SW² to W², strong to a gale, over Central and Western Russia, NW² to NE², strong, over the Gulf of Bothnia; SW² and S² over the northern half of the British Isles, but NE², light, in the south, a SW² gale over Brittany and the north of France, while over Central and Southern Europe the wind was very light. The weather, also, was very variable—More or less wet and unsettled in the north and northwest, very rainy over the south of England and north of France; but fair over Southern and Central Europe. Temperature had risen fast over Central Russia, and varied from 60° and more over the southern half of the Mediterranean, from between 50° and 55° in the west of our islands and from 44° at Moscow to much below the freezing point over Northern Russia and Lapland. The highest individual values were 65° at Algiers, 64° at Malta, San Fernando, and Bilbao, 62° at Barcelona, 59° at Jersey, 55° at Valencia and Rochepoint, 51° at Ardrossan, and 50° at Harthor and Odessa; the lowest were 14° at Archangel, 21° at Helsingfors, Kuopio, and Uleaborg, 26° at Rode, 29° at Hernösand, 33° at Ales and 34° at Clermont.

Later on the small depression over the English Channel passed eastward to the Netherlands and the weather cleared up in the south of England, with a fall 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.

CORRECTIONS AND ADDITIONS TO THE REPORTS FOR OCT 3 1888.

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.				
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.		
1	Belfort.....	29.66	58	W	5	c	29.80	+ .17	44	44	- 18	W	1	bc	*	66	37	0.35		
-	Corunna....	*	*	*	*	*	29.74	- .18	67	67	+ 2	N	5	o	?	73	61	0.08		
-	Lisbon....	29.90	68	SW	3	bc	29.81	- .16	69	67	+ 3	SSW	5	o	5	75	?	-		
2	Corunna....	*	*	*	*	*	29.34	- .40	61	60	- 6	N	7	r	26	68	59	0.43		
3	Corunna....	*	*	*	*	*	29.78	+ .44	54	51	- 7	SW	1	r	4	63	48	0.47		
4	Corunna....	*	*	*	*	*	29.95	+ .17	54	53	0	NE	1	c	4	63	46	0.16		
5	Corunna....	*	*	*	*	*	30.11	+ .16	58	56	+ 4	W	1	r	4	63	50	-		
6	Corunna....	*	*	*	*	*	30.05	- .06	?	56	?	WSW	3	r	5	64	52	0.16		
8	Corunna....	*	*	*	*	*	30.31	.00	53	51	- 3	ESE	1	o	4	61	48	-		
9	Corunna....	*	*	*	*	*	30.10	- .28	53	51	0	NE	1	b	4	63	46	0.04		
10	Corunna....	*	*	*	*	*	30.02	- .08	55	50	+ 2	NE	4	b	4	64	61	-		
-	Matin H. spm	-	-	-	-	-	30.12	-	53	51	-	NNW	2	b	1	-	-	-		
11	Corunna....	*	*	*	*	*	30.06	+ .04	53	49	- 2	ESE	1	b	2	?	45	-		
12	Corunna....	*	*	*	*	*	30.11	+ .05	51	48	- 2	ESE	8	b	3	68	45	-		
13	Corunna....	*	*	*	*	*	29.99	- .12	59	55	+ 8	ENE	1	c	1	70	46	-		
15	Corunna....	*	*	*	*	*	30.10	+ .08	53	50	- 5	ESE	1	b	3	68	46	-		
-	Lisbon....	30.03	64	W	4	bc	30.06	+ .07	57	57	- 1	NE	3	f	?	70	55	-		
16	Corunna....	*	*	*	*	*	30.26	+ .16	62	-	+ 9	SSW	4	b	4	68	50	-		
17	Bodo.....	29.97	36	NNW	2	bc	30.10	+ .37	37	34	- 3	N	4	bc	2	71	34	0.04		
-	Christiansund	30.16	40	WSW	8	r	30.26	+ .20	38	37	0	S	2	o	5	73	36	0.39		
-	Skudesnaes	30.25	40	NNW	1	o	30.30	+ .05	35	33	- 4	NNW	2	b	2	43	?	-		
-	Corunna....	*	*	*	*	*	30.16	- .10	60	58	- 2	E	1	o	0	72	54	-		
18	Bodo.....	30.26	37	N	2	b	30.35	+ .25	35	32	- 2	E	1	c	1	37	32	-		
-	Christiansund	30.40	39	ESE	2	o	30.39	+ .13	36	34	- 2	SE	2	b	3	41	34	-		
-	Corunna....	*	*	*	*	*	29.98	- .18	65	63	+ 5	E	1	o	2	72	37	0.20		
19	Corunna....	*	*	*	*	*	30.16	+ .18	67	65	+ 2	SE	1	o	3	75	61	0.28		
21	The Helzer...	30.45	43	S	1	b	30.44	.00	55	-	- 1	SSW	1	b	1	46	34	-		
22	Haparanda	29.33	36	NNW	8	bc	29.44	+ .24	31	31	- 3	N	4	c	*	39	?	-		
-	Corunna....	*	*	*	*	*	30.24	+ .16	61	60	0	NNW	1	c	0	70	57	-		
23	Lyon.....	30.29	46	NNW	1	b	30.38	- .02	34	33	- 2	E	1	b	*	54	33	-		
-	Corunna....	*	*	*	*	*	30.30	+ .06	55	54	- 6	E	3	bc	2	70	37	-		
24	Haparanda..	29.81	28	NW	2	o	29.81	+ .06	26	-	+ 3	N	2	o	*	32	23	-		
25	Corunna....	*	*	*	*	*	30.06	- .05	64	60	+ 4	S	3	b	3	72	54	-		
26	Belfort....	30.28	43	NE	1	b	30.40	+ .14	38	37	- 3	E	1	b	*	56	?	-		
-	Corunna....	*	*	*	*	*	30.17	+ .11	65	61	+ 1	S	3	b	3	72	57	0.04		
27	Haparanda	30.35	18	Z	0	b	30.35	+ .14	9	8	+ 5	NE	2	b	*	18	1	-		
-	Hernösand..	29.99	33	ESE	6	s	30.09	- .01	32	-	0	NE	6	s	*	46	27	0.71		
29	Haparanda	29.58	29	S	6	s	29.12	- .09	32	32	+ .16	SSW	2	f	*	?	3	0.51		
-	Corunna....	*	*	*	*	*	30.39	.00	60	57	- 2	S	5	o	4	73	54	-		
30	Haparanda	29.09	22	SE	6	o	29.37	+ .25	20	19	- 12	ESE	2	b	*	?	?	-		
-	Corunna....	*	*	*	*	*	30.31	- .08	65	*	+ 5	SW	1	c	1	?	?	-		
31	Corunna....	*	*	*	*	*	30.11	- .20	62	57	- 3	SSW	4	c	3	72	54	-		

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

Names of Districts.	Names of Stations.	Mean height of Barometer (at 32° Fahrenheit and Mean Sea Level) from observations made at 8 a.m.	Air Temperature.								Tension of Vapour
			At 8 a.m.	Means of			Absolute Extremes.				
				Minima	Maxima	Min. and Max. combined	Minimum	Date	Maximum	Date	
		ins.	°	°	°	°	°		°		ins.
0. SCOTLAND, N.	Sumburgh Head ...	29.777	44.0	38.8	43.2	43.5	29	5 th	54	27 th + 28 th	0.257
	Wick ...	29.836	46.7	41.5	51.5	46.5	32	4 th + 5 th	63	27 th	.288
	Stornoway ...	29.844	46.5	41.3	51.5	46.4	31	4 th + 5 th	59	27 th	.302
1. SCOTLAND, E.	Nairn ...	29.864	46.6	42.4	53.3	47.9	32	5 th + 6 th	67	27 th	.279
	Aberdeen ...	29.894	45.8	42.5	52.6	47.6	32	5 th	64	27 th	.265
	Leith ...	29.925	47.8	42.8	55.7	49.3	33	5 th	65	26 th + 27 th	.277
2. ENGLAND, N.E.	Shields ...	29.958	46.7	41.3	54.0	47.7	30	2 nd	65	26 th + 27 th	.268
	York ...	30.018	43.5	37.9	54.0	46.0	26	2 nd	66	26 th + 27 th	.247
	Spurn Head ...	30.000	46.4	43.0	52.0	47.5	35	5 th	63	26 th + 27 th	.273
3. ENGLAND, E.	Yarmouth ...	30.032	45.6	40.1	51.4	46.0	31	5 th	64	27 th	.265
	Cambridge ...	30.066	42.7	35.9	55.9	45.9	25	24 th	69	27 th	.239
4. MIDLAND COUNTIES.	Loughborough ...	30.059	41.1	35.8	56.1	46.0	27	3 rd	69	27 th	.232
	Oxford ...	30.089	41.6	37.4	55.5	46.5	29	3 rd	67	27 th	.239
5. ENGLAND, S.	London ...	30.084	42.5	37.6	55.9	46.8	28	8 th	70	27 th	.242
	Dungeness ...	30.061	46.4	41.0	55.0	48.0	30	5 th 15 th + 24 th	62	27 th	.264
	Hurst Castle...	30.090	47.2	42.7	55.9	49.3	31	15 th + 25 th	63	28 th	.303
6. SCOTLAND, W.	Ardrossan ...	29.943	48.7	44.5	53.7	49.1	37	5 th	57	8 th 9 th 16 th 27 th + 28 th	.294
7. ENGLAND, N.W.	*Hawes Junction ...	28.752	41.5	37.0	49.1	43.1	24	2 nd	59	26 th + 27 th	.254
	Barrow-in-Furness ...	29.998	46.7	43.4	52.5	48.0	32	2 nd	59	27 th	.279
	Liverpool Obs ^y (Bidston)	30.030	46.5	43.1	53.5	48.3	33	23 rd	65	26 th + 27 th	.261
	Holyhead ...	30.016	50.0	47.0	54.8	50.9	38	2 nd	61	19 th	.309
8. ENGLAND, S.W.	Pembroke ...	30.043	57.0	46.9	54.1	50.5	36	2 nd	58	25 th 26 th + 27 th	.306
	Prawle Point ...	30.084	50.5	44.4	56.3	50.4	34	5 th + 7 th	60	13 th 27 th + 28 th	.316
9. IRELAND, N.	Malin Head ...	29.931	49.2	46.4	53.3	49.9	38	5 th	64	27 th	.308
	Donaghadee ...	29.985	47.7	44.3	53.8	49.1	37	5 th	60	26 th + 27 th	.297
	Mullaghmore ...	29.967	49.8	45.4	55.6	50.5	38	2 nd 5 th 74 th	64	27 th	.300
	Belmullet ...	29.978	50.2	46.5	54.5	50.5	36	14 th	60	27 th	.317
10. IRELAND, S.	Parsonstown ...	30.020	45.6	40.3	55.1	47.7	27	2 nd	63	26 th	.265
	Valencia ...	30.025	52.6	47.3	57.0	52.2	36	14 th	63	26 th + 27 th	.336
	Roche's Point ...	30.031	50.5	46.7	55.6	57.2	37	2 nd	59	11 th 27 th + 28 th	.316
CHANNEL ISLANDS.	Scilly (St. Mary's) ..	30.044	53.6	49.7	56.6	53.2	39	20 th	62	27 th	.327
	Jersey (Noirmont) ...	30.102	50.2	44.7	58.0	51.4	35	15 th	67	27 th	.284

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

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

STATIONS in the BRITISH ISLANDS during the Month of OCTOBER 1888.
 Thunderstorms and Gales are counted irrespective of the hours at which they occurred.
 Latitude, beginning in each case with the Station lying furthest North.)

Relative Humidity	Amount of Cloud	Rainfall.			Weather							Wind								
		No. of Days of		Date	Rain	Snow	Hail	Thunderstorms	Clear Sky	Overcast	Gales	No. of Observation of								
		Total Fall in the month	Maximum Fall in one day									North	N.E.	East	S.E.	South	S.W.	West	N.W.	Calms
%		ins.	in.																	
89	84	5.57	0.84	25 th	28	1	1	0	1	18	1	7	4	1	2	1	2	7	3	4
91	82	3.95	0.87	19 th	25	1	1	0	1	19	3	7	1	0	1	5	3	5	6	3
95	92	7.08	1.06	25 th	27	1	0	0	1	26	17	7	0	2	1	2	8	8	1	2
88	64	2.29	0.49	31 st	21	1	1	1	4	12	1	2	0	1	0	1	13	5	2	7
86	73	1.68	0.29	1 st	22	4	0	0	1	12	6	0	0	1	0	8	7	10	5	0
84	63	1.00	0.38	30 th	12	0	1	0	4	6	0	2	0	0	2	2	5	14	5	1
85	73	0.69	0.24	30 th	9	1	0	0	4	16	3	2	0	0	0	5	9	9	4	2
87	65	0.81	0.17	28 th	11	1	1	0	10	17	0	3	0	2	3	7	2	7	5	2
87	54	0.77	0.22	4 th	15	0	0	1	8	11	5	0	0	1	1	6	8	7	8	0
87	40	1.85	0.45	6 th	13	0	2	0	11	3	0	1	1	1	1	7	12	5	2	
87	62	0.80	0.27	28 th	6	0	0	0	9	14	0	4	0	2	0	4	9	2	7	3
90	74	0.39	0.18	28 th	7	1	0	0	6	17	0	1	1	4	1	1	6	6	5	6
92	63	0.72	0.24	28 th	7	0	0	0	10	13	0	2	1	1	1	5	8	6	3	4
89	64	1.32	0.43	29 th	9	0	0	0	8	15	0	0	1	1	2	4	4	7	4	8
84	55	3.44	1.20	3 rd	12	0	0	0	5	4	1	8	1	3	2	1	4	4	7	1
94	54	2.20	0.64	29 th	18	0	0	0	8	3	4	7	6	5	1	0	4	4	3	1
86	72	1.17	0.30	26 th	9	0	0	0	5	18	4	3	3	3	0	5	5	3	8	1
97	77	4.71	0.98	26 th + 30 th	14	2	2	0	4	19	0	1	5	4	2	3	9	3	3	1
88	78	4.34	1.10	27 th	17	0	1	0	2	19	2	3	8	3	5	3	4	0	5	0
84	75	1.59	0.31	30 th	17	0	3	0	4	20	1	1	2	1	9	6	3	6	3	0
86	68	3.10	1.03	27 th	18	0	2	0	4	10	4	3	1	1	2	5	6	4	6	3
82	65	1.60	0.46	28 th	17	0	0	0	1	10	3	3	6	4	3	6	1	4	4	0
86	62	2.26	0.71	29 th	17	0	1	1	5	9	1	6	3	7	1	3	3	3	5	0
89	81	1.90	0.57	30 th	18	1	5	0	4	22	3	6	1	1	1	8	5	1	8	0
90	63	1.41	0.31	2 nd	17	1	2	0	6	10	1	3	3	2	0	4	8	10	1	0
84	72	3.36	0.72	31 st	19	0	3	1	2	8	14	3	2	4	3	5	6	4	4	0
88	83	4.03	0.53	1 st	22	0	0	0	3	21	4	5	1	1	5	5	5	4	5	0
88	72	1.35	0.28	27 th	17	0	0	0	5	15	0	0	1	0	6	2	6	2	2	12
85	82	2.94	0.41	2 nd	25	0	0	0	3	22	6	3	1	1	7	3	3	4	4	5
86	66	3.14	1.05	27 th	16	0	0	0	5	11	4	7	1	1	3	4	6	5	4	0
79	75	2.04	0.37	28 th	19	0	0	0	3	14	6	6	1	5	5	4	3	1	4	2
79	49	2.54	0.49	31 st	15	0	1	0	9	6	1	3	4	4	3	2	3	3	7	2

Barometric Observations at this Station are not corrected for altitude.

2. CORRECTIONS.

[illegible]