

METEOROLOGICAL OFFICE

LONDON.

---

DAILY WEATHER REPORTS.

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1<sup>ST</sup> JULY—31<sup>ST</sup> DECEMBER.

1886.





# DAILY WEATHER REPORT.

July to December 1886.





# DAILY WEATHER REPORT.

for Friday 1<sup>st</sup> October

1886.

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

Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.																			
STATIONS.		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.81	39	NE	2	0	30.06	+4.3	36	35	-6	NE	4	c	4		46	39	0.04
	Hernösand ...	29.80	46	Z	0	5	30.04	+4.2	45	44	+1	Z	0	o	4		54	39	0.04
	Stockholm ...	29.80	45	SE	2	6	30.00	+3.7	42	41	-3	Z	0	f	4		54	41	-
	Wisby ...	29.54	51	W	2	bc	29.92	+3.3	49	48	-2	W	2	b	4		55	40	-
	Bodö ...	29.65	48	ESE	4	bc	29.80	+3.1	48	48	+2	ESE	2	bc	1		52	45	-
	Christiansund...	29.75	47	SW	3	c	29.65	+0.7	49	46	+1	ESE	1	o	3		43	43	0.24
	Skudesnaes ...	29.76	54	SSE	2	0	29.78	+1.1	56	55	+5	SSE	8	o	4		50	50	0.12
	Christiania Fjord (Farder)	29.78	54	WSW	2	6	29.93	+2.9	54	53	+1	SSE	2	m	2		55	52	-
	Skagen (The Scaw)	29.80	54	Z	0	m	29.92	+2.5	56	54	+5	S	1	o	1		50	50	0.04
	Fanö ...	29.68	59	WSW	4	0	29.91	+1.7	59	59	+1	SW	1	o	4		61	54	-
BRITISH ISLANDS.	Sumburgh Head	29.58	50	ESE	4	1	29.42	-2.1	53	52	+4	SSW	3	o	5		54	49	0.03
	Stornoway ...	29.37	56	S	5	1	29.30	-2.4	54	52	+3	SSW	8	bc	7		59	49	0.20
	Wick ...	29.46	55	S	2	0	29.45	-1.5	55	51	+3	S	3	bc	1		57	51	-
	Nairn ...	29.47	62	SSW	3	c	29.43	-1.6	55	49	+4	S	3	bc	3		64	49	-
	Aberdeen...	29.59	61	SSW	5	c	29.53	-0.8	56	53	+2	SSW	4	b	1		68	53	-
	Leith ...	29.61	61	SW	2	c	29.57	-1.0	57	53	-6	SW	1	cm	4		68	54	-
	Shields ...	29.72	61	Z	0	c	29.63	-0.9	56	55	-5	SW	3	o	2		68	54	-
	Spurn Head ...	29.83	59	S	3	bc	29.72	-1.3	57	56	-4	SSE	3	b	2		65	54	-
	York ...	29.80	60	S	2	c	29.66	-1.5	54	53	-7	S	1	c	4		69	51	0.01
	Loughborough	29.84	60	SE	1	c	29.70	-1.9	56	55	-4	SE	2	cm	4		65	51	-
GERMANY.	Ardrossan ...	29.58	57	SSW	4	0	29.55	-1.0	54	52	-3	S	3	o	0		59	?	-
	Malin Head ...	29.37	61	SW	6	0	29.41	-1.0	50	47	-11	S	4	bc	4		63	47	0.02
	Mullaghmore ...	29.40	59	SSW	8	c	29.45	-0.9	52	48	-11	SSW	5	c	4		65	51	0.02
	Belmullet ...	29.35	58	SW	11	c	29.42	-0.6	52	49	-7	SW	5	bc	4		62	52	0.01
	Donaghadee ...	29.57	59	SW	7	0	29.56	-1.2	52	51	-9	SSW	2	c	0		64	47	-
	Barrow-in-Furness	29.72	59	SW	4	b	29.61	-0.7	56	55	-3	SSE	3	1	4		61	55	0.05
	Liverpool (Bidston)	29.75	61	SE	1	c	29.61	-2.2	56	55	-7	SE	1	nf	3		65	55	0.02
	Holyhead ...	29.70	59	S	4	bc	29.60	-2.0	56	56	-2	SSE	1	nm	2		61	55	0.01
	Parsonstown ...	29.56	58	S	3	0	29.54	-1.3	48	47	-13	SE	1	og	4		61	45	0.04
	Valencia ...	29.56	58	SSW	7	c	29.54	-0.4	55	50	-6	SW	4	o	5		62	52	0.02
FRANCE & NETHERLANDS.	Roche's Point...	29.62	58	SW	4	c	29.59	-1.6	54	51	-6	WSW	2	o	4		60	51	0.10
	Pembroke ...	29.75	59	S	4	bc	29.60	-2.8	54	54	-4	Z	0	nm	5		61	54	0.31
	Scilly ...																		
	Prawle Point ...	29.86	60	SSE	3	b	29.63	-3.6	59	58	0	SSE	2	on	3		64	56	0.11
	Jersey ...	29.90	65	SE	3	b	29.62	-4.3	63	60	+3	SE	3	bc	3		67	59	-
	Hurst Castle ...	29.93	60	SSW	3	b	29.65	-3.6	63	61	+3	ESE	2	bc	1		65	58	-
	Dungeness ...	29.95	60	WSW	3	c	29.76	-3.0	63	60	+2	S	3	c	3		65	58	-
	London ...	29.92	60	SW	4	b	29.72	-2.7	57	56	-4	SE	1	bf	4		71	50	-
	Oxford ...	29.89	57	SSW	1	b	29.69	-2.7	58	56	-1	SE	1	c	4		66	54	-
	Cambridge ...	29.89	58	S	1	b	29.72	-2.3	59	57	-1	Z	0	b	4		67	51	-
PENIN- SULA.	Yarmouth ...	29.91	62	SW	2	bc	29.77	-1.5	60	59	+2	SSE	3	bc	3		66	52	-
	Cuxhaven ...	29.94	58	W	2	0	29.98	+1.1	59	58	0	SE	2	o	4		60	56	-
	Berlin ...	29.99	62	WNW	2	c	30.05	+1.0	58	57	-3	Z	0	1	4		66	57	0.12
	Wiesbaden ...						30.04	-1.0	?	50	?	W	1	b	4		73	46	-
	Munich ...	30.14	55	W	2	b	30.09	-1.5	51	49	-6	SE	3	b	4		72	43	-
	The Helder ...	29.95	61	SW	3	c	?	?	55	54	-5	S	1	f	1		63	52	-
	Brussels ...						29.87	-1.8	60	56	+1	SSE	1	b	4		66	53	-
	Cape Gris Nez...	29.97	60	SW	5	b	29.75	-2.4	63	57	+2	S	4	b	2		63	55	-
	Paris ...	30.02	65	SSW	1	b	29.86	-2.7	55	52	+4	SSE	1	b	4		76	?	-
	Brest ...	29.87	62	SSE	5	bc	29.62	-4.1	59	58	-2	?	1	1	6		66	57	-
PENIN- SULA.	Lorient ...	29.93	64	S	5	bc	29.60	-2.8	65	64	+6	SE	7	c	3		72	54	-
	Rocheport ...	30.01	72	SSE	4	b	29.78	-3.7	64	62	+4	SE	8	b	2		84	55	-
	Belfort ...	30.12	64	W	1	b	29.99	-2.2	56	53	-3	W	1	b	4		73	52	-
	Lyons ...	30.08	67	SSW	1	b	29.98	-2.5	57	56	+3	SSE	3	b	4		77	53	-
	Nice ...	30.15	64	SSE	4	0	30.05	-0.2	62	61	+1	E	1	b	0		77	59	-
	Perpignan ...	30.10	60	SE	3	c	29.97	-2.4	65	63	+5	E	3	b	4		74	60	-
	Biarritz ...	29.91	77	ESE	5	b	29.76	-3.4	73	61	+8	SSW	7	bc	2		86	64	-
	Corunna ...																		
	Lisbon ...	29.88	73	WSW	5	c	29.88	-1.4	64	61	-1	WSW	5	c	2		82	63	-

For Explanation of Columns, see p. 4.



# WEATHER

for 8 a.m. on

Friday,

1<sup>st</sup> October

1886.

## BAROMETER, WIND & SEA.

(Explanation of Map)

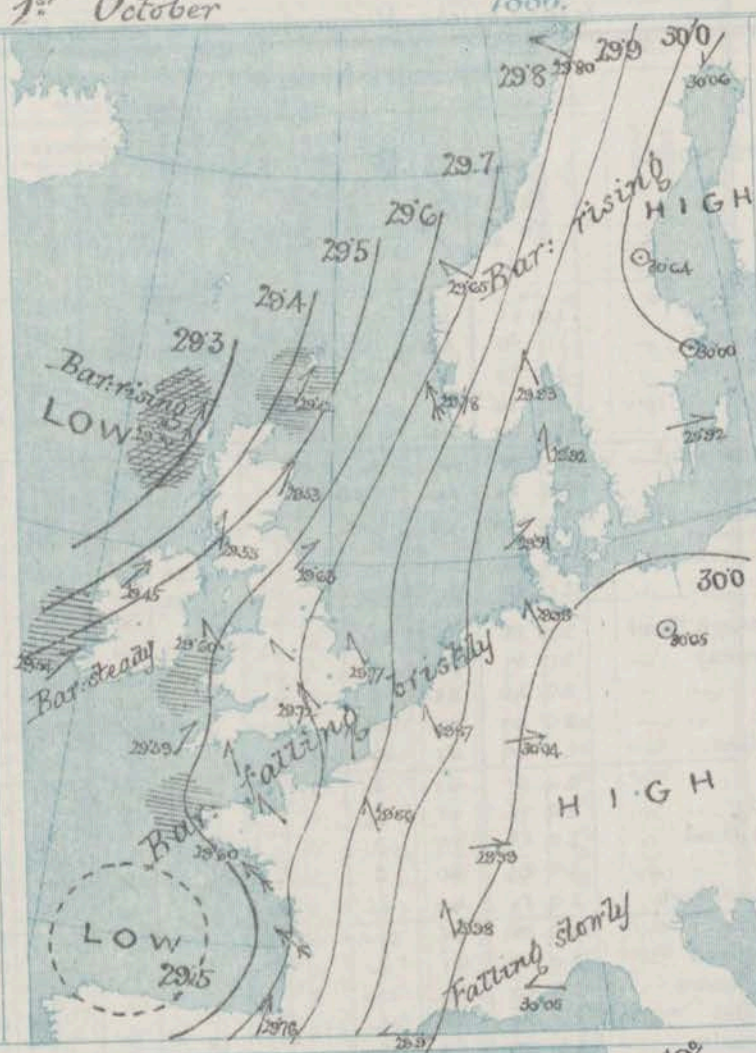
**Barometer**—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind**—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus—  
 — forces above 10 — forces 8 to 10,  
 — forces 5 to 7 — forces 1 to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

STATIONS.	MEAN READINGS.
	in.
Sambargh Head	29.685
Stornoway	29.707
Wick	29.718
Nairn	29.738
Aberdeen	29.748
Leith	29.780
Shields	29.821
York	29.860
Ardrossan	29.749
Donaghadee	29.805
Holyhead	29.830
Liverpool	29.845
Valencia	29.842
Rocha's Point	29.843
Pembroke	29.847
Scilly	29.877
Hurst Castle	29.894
Dover	29.907
LONDON.	29.902
Oxford	29.891
Cambridge	29.894
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.	
Sambargh Head	49.5	41.8	45.9	44.4	4.33
Stornoway	50.2	38.8	45.1	43.9	4.94
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	42.5	2.38
Aberdeen	52.1	41.3	45.5	43.5	2.88
Leith	55.8	41.9	46.7	45.1	1.94
Shields	53.2	43.1	47.3	45.5	2.46
York	55.2	40.0	46.0	44.7	2.64
Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	53.2	43.2	47.8	46.3	3.35
Holyhead	54.9	47.5	50.4	48.6	4.53
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	6.09
Rocha's Point	55.6	46.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.5	49.4	4.13
Scilly	56.8	50.7	53.9	52.0	3.84
Hurst Castle	57.7	46.8	51.5	50.5	3.24
Dover	56.2	47.8	51.5	49.4	3.28
LONDON.	57.1	43.5	48.4	46.8	2.74
Oxford	55.7	42.9	47.0	45.8	2.72
Cambridge	57.0	41.6	46.6	45.7	2.36
Yarmouth	54.9	45.1	43.5	48.2	2.07

NOTE—The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 30 years 1856—85.





## GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.0 ins: and upwards, in a long band extending from Northern Russia to Southern Europe. Lowest, 29.3 ins: and less, off the north-west of Scotland, but relatively low, 29.5 ins: and under, in a depression lying over the Bay of Biscay.
TEMPERATURE	Highest, 73° at Biarritz, 65° at Dorset and Perpignan, and 63° at Hurst Castle, Dungeness and Jersey. Lowest, 36° at Haparanda, 42° at Stockholm and 49° at Rönneby.
WIND	SW <sup>ly</sup> or S <sup>ly</sup> in Ireland and Scotland, with a fresh gale at Stromsøy. Chiefly SE <sup>ly</sup> elsewhere; moderate in force in most places, but strong to a gale in the west of France.
WEATHER	Rainy in the west of England, and dull in Scandinavia, Denmark and the south of Ireland. Fair or fine elsewhere. A little rain fell yesterday on our western and extreme northern coasts.
SEA	High at Stromsøy and rather rough at Lumburgh Head, Valencia and Pembroke, but moderate to smooth elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay off our western coasts yesterday has moved northwards, but in the course of the night a new and apparently a somewhat deep disturbance has appeared over the Bay of Biscay.

The new system seems likely to move in a northerly or possibly in a north-easterly direction, and the wind on our southern coasts may be expected to freshen from the SE<sup>wd</sup>, with rain in most places and cooler weather.

## FORECASTS

For the 24 hours ending at NOON on 2<sup>nd</sup> OCTOBER 1886.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	SW <sup>ly</sup> winds, moderating; fair.
1	SCOTLAND EAST	SE <sup>ly</sup> to E <sup>ly</sup> breezes, light; fine at first, uncertain later.
2	ENGLAND N.E.	-----D°-----D°-----D°-----
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as No 1
5	ENGLAND SOUTH	SE <sup>ly</sup> to NE <sup>ly</sup> winds, becoming dull, rainy, and colder.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	SW <sup>ly</sup> winds, moderate, with improving weather.
7	ENGLAND N.W.	-----D°-----D°-----D°-----
8	ENGLAND S.W.	SE <sup>ly</sup> to E <sup>ly</sup> winds, freshening; dull, rainy.
9	IRELAND NORTH	S <sup>ly</sup> and SW <sup>ly</sup> winds, moderating, fair generally.
10	IRELAND SOUTH	SW <sup>ly</sup> to variable breezes; dull, some rain.

### WARNINGS

NONE ISSUED.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.72	54	50	E 1	0	4	Holyhead ...	29.75	61	59	SSW 6	o q m	5
Sumburgh Head ...	29.66	50	48	E 2	0	2	Valencia ...	29.54	60	58	S 8	o q m	1
Stornoway ...	29.46	59	58	S 5	d	5	Scilly ...	...	...	...	...	...	...
Aberdeen ...	29.62	64	61	S 3	c	0	Dungeness ...	29.98	63	60	W 4	0	3
Shields ...	29.74	66	63	SW 5	c	2	London ...	29.97	64	59	SW 3	0	4
Ardrossan ...	29.63	59	58	SW 4	0	3	Yarmouth ...	29.93	66	61	WSW 4	6c	3
Malin Head ...	29.44	63	60	SSW 6	0	5	Jersey ...	29.98	64	62	ESE 2	6	2
Mullaghmore ...	29.42	65	61	SSE 8	e	6	Rochefort ...	30.09	74	72	S 3	6	2
Belmullet ...	29.38	61	56	SSW 8	0	4							

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

(For condition at 8 a.m. today see pp 2 and 3.)

The Continental Reports for yesterday have not arrived.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Saturday 2<sup>nd</sup> October 1886.

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

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ..	30.18	40	S	6	h	29.99	- 0.7	43	42	+ 7	8	6	0	*	?	34	-		
Hernösand ...	30.15	45	S	4	o	30.07	+ 0.3	48	45	+ 3	8	6	0	*	48	43	-		
Stockholm ...	30.17	48	SE	2	b	30.21	+ 2.1	49	47	+ 7	8	2	6c	*	57	36	-		
Wisby ...	30.14	47	NNE	4	b	30.12	+ 2.0	51	49	+ 2	SE	4	6c	*	59	45	-		
Bodö ...	29.67	51	SE	4	h	29.54	- 2.6	35	50	+ 14	SE	4	0	2	52	40	0.59		
Christiansund...	29.69	57	SE	1	o	29.61	- 0.4	53	52	+ 1	2	0	f	0	59	?	-		
Skudesnaes ...	29.78	58	SE	6	o	29.63	- 1.5	61	55	+ 5	SE	8	0	5	57	55	-		
Christiania Fjord (Fjærd)	29.78	58	SE	2	o	29.95	+ 0.2	55	54	+ 1	SE	6	0	2	38	54	-		
Skagen (The Seaw)	29.98	57	SSW	3	f	29.90	- 0.2	56	55	0	S	5	0	3	65	55	-		
Fanö ...	29.88	56	SE	6	b	29.76	- 1.5	56	55	- 3	SE	6	0	*	61	55	-		
BRITISH ISLANDS.																			
Sumburgh Head	29.48	50	S	3	h	29.50	+ 0.8	49	48	- 1	2	0	0	4	56	48	0.30		
Stornoway ...	29.36	51	S	6	bca	29.51	+ 2.1	50	49	- 1	SE	1	b	2	55	48	0.06		
Wick ...	29.43	54	S	2	o	29.57	+ 1.2	48	46	- 2	NW	1	0	1	56	42	0.04		
Nairn ...	29.41	55	SSW	2	c	29.54	+ 1.1	47	46	- 1	SSW	1	c	1	60	45	-		
Aberdeen...	29.50	52	2	0	d	29.56	+ 0.3	48	47	- 1	W	1	c	0	69	46	0.18		
Leith ...	29.49	53	W	1	o	29.62	+ 0.5	50	48	- 2	W	1	b	4	68	47	0.32		
Shields ...	29.47	58	2	0	hgm	29.64	+ 0.1	48	47	- 1	W	1	b	2	58	46	0.86		
Spurn Head ...	29.47	61	SE	5	c	29.70	- 0.2	53	51	- 2	W	6	b	4	61	51	0.03		
York ...	29.47	62	2	0	o	29.71	+ 0.5	50	47	- 3	W	2	b	4	64	48	0.62		
Loughborough	29.50	66	SE	2	o	29.79	+ 0.9	50	48	- 2	WSW	4	b	8	72	47	0.22		
GERMANY.																			
Ardrossan ...	29.48	53	SE	2	c	29.63	+ 0.8	53	50	- 3	SSW	2	b	1	55	49	0.03		
Malin Head ...	29.41	53	SW	4	b	29.58	+ 1.7	48	47	- 1	SSW	4	b	3	55	42	-		
Mullaghmore ...	29.44	52	SSW	3	b	29.60	+ 1.5	50	47	- 3	S	2	b	3	59	50	-		
Belmullet ...	29.41	54	SSW	5	c	29.58	+ 1.6	54	50	+ 4	SSW	3	b	4	56	50	0.05		
Donaghadee ...	29.49	52	SW	2	o	29.65	+ 0.9	49	48	- 1	WSW	2	b	0	54	42	-		
FRANCE & NETHERLANDS.																			
Barrow-in-Furness	29.48	51	N	2	o	29.68	+ 0.7	52	50	- 2	SW	4	b	4	54	47	0.95		
Liverpool (Bidston)	29.49	51	NW	1	o	29.75	+ 1.4	51	49	- 2	SSW	1	b	3	58	48	0.97		
Holyhead ...	29.52	52	2	0	mp	29.71	+ 1.1	54	51	- 3	SSW	2	b	2	57	48	0.62		
Parsonstown ...	29.50	53	2	0	b	29.66	+ 1.2	47	45	- 2	SE	1	b	2	58	41	-		
Valencia ...	29.50	52	SSW	2	b	29.57	+ 0.3	56	54	+ 2	SE	4	c	4	60	48	0.15		
Roche's Point...	29.51	56	WSW	3	b	29.66	+ 0.7	58	55	+ 3	SW	4	b	4	60	46	-		
Pembroke ...	29.50	53	N	2	e	29.75	+ 1.5	56	55	+ 1	SSW	4	b	4	57	50	0.65		
Seilly ...	29.42	60	SE	4	o	29.84	+ 2.1	58	55	- 3	SSW	5	b	4	61	47	0.44		
Prawle Point ...	29.51	61	S	3	nt	29.91	+ 2.9	58	55	- 3	SW	4	b	4	71	54	0.42		
Jersey ...	29.51	65	NW	3	h	29.88	+ 2.3	54	53	- 1	WSW	5	h	2	67	53	0.61		
Hurst Castle ...	29.56	65	S	3	b	29.87	+ 1.1	57	53	- 4	NW	5	b	5	70	53	-		
Dungeness ...	29.54	67	SE	2	o	29.89	+ 1.7	56	51	- 5	WSW	3	b	4	78	48	0.04		
London ...	29.50	61	SW	2	h	29.85	+ 1.6	52	49	- 3	SW	2	b	4	73	48	0.24		
Oxford ...	29.51	68	S	1	o	29.86	+ 1.4	53	49	- 4	SW	1	b	4	80	48	-		
Cambridge ...	29.57	62	SE	5	b	29.75	- 0.2	53	50	- 3	W	6	c	3	66	51	-		
Yarmouth ...	29.90	58	SE	5	b	29.78	- 2.0	56	55	- 1	S	3	m	4	59	53	-		
Cuxhaven ...	30.02	57	E	2	b	29.98	- 0.7	57	55	- 2	NE	2	b	4	63	55	-		
Berlin ...	*	*	*	*	*	29.96	- 0.8	54	53	- 1	E	1	b	4	73	50	-		
Wiesbaden ...	29.92	54	E	2	b	30.05	- 0.4	57	52	+ 5	SW	4	b	4	72	50	-		
Munich ...	29.70	63	SE	1	b	29.75	?	60	57	+ 3	SW	7	c	4	68	?	-		
PENINSULA.																			
The Helder ...	*	*	*	*	*	29.91	+ 0.4	58	55	- 3	WSW	1	n	4	76	57	0.08		
Brussels ...	29.57	70	SE	5	b	?	?	59	52	- 7	W	8	b	6	79	55	-		
Cape Gris Nez...	29.69	68	NE	1	b	29.97	+ 1.1	56	53	+ 3	NW	3	b	4	77	49	0.12		
Paris ...	29.52	53	NW	9	h	29.87	+ 2.5	59	54	0	SSW	5	b	5	63	52	0.24		
Brest ...	29.57	61	W	9	c	29.94	+ 3.4	59	54	- 5	SW	5	b	4	72	50	0.47		
Lorient ...	29.75	67	W	7	o	30.03	+ 2.5	56	53	+ 3	ENE	4	b	2	77	48	0.12		
Rocheport ...	29.94	67	E	1	b	30.04	+ 0.5	59	55	+ 4	S	1	b	4	72	50	-		
Belfort ...	29.82	70	SE	7	c	30.01	+ 0.3	59	57	+ 2	NW	1	n	3	74	51	0.04		
Lyons ...	30.01	64	E	1	b	30.06	+ 0.1	62	57	0	ENE	1	b	3	73	55	-		
Nice ...	29.90	68	SE	4	o	29.99	+ 0.2	63	60	- 3	NW	2	o	4	75	61	0.04		
Perpignan ...	29.83	64	N	5	h	29.97	+ 2.1	64	59	- 5	S	1	e	2	82	59	0.85		
Biarritz ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Lisbon ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		

For Explanation of Columns, see p. 1.



# WEATHER CHARTS

for 8 a.m. on

Saturday, 2<sup>nd</sup> OCTOBER

1886.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

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

○ = dead calm.

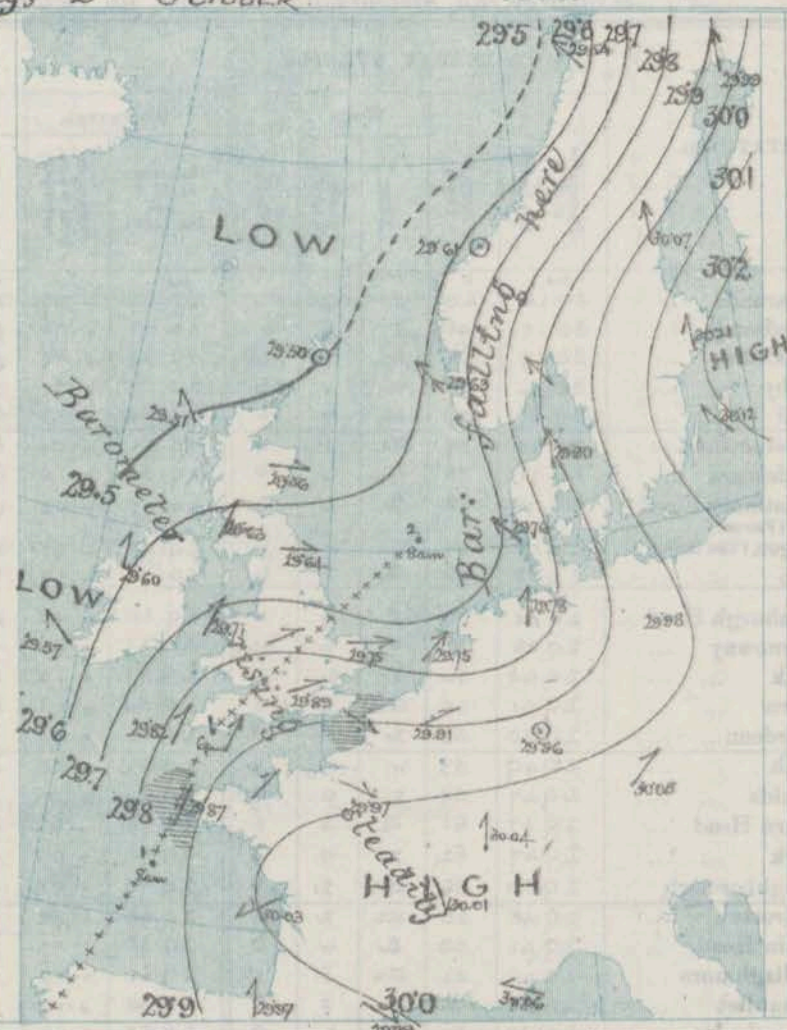
**Sea Disturbance** — where considerable is shown thus

▨ = Rough. ▨ = High

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.685
Stornoway	29.707
Wick	29.718
Nairn	29.738
Aberdeen	29.748
Leith	29.780
Shields	29.821
York	29.860
Ardrossan	29.749
Donaghadee	29.806
Holyhead	29.830
Liverpool	29.848
Valencia	29.842
Roche's Point	29.843
Pembroke	29.847
Scilly	29.877
Hurst Castle	29.894
Dover	29.907
LONDON	29.902
Oxford	29.891
Cambridge	29.894
Yarmouth	29.889



## 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.

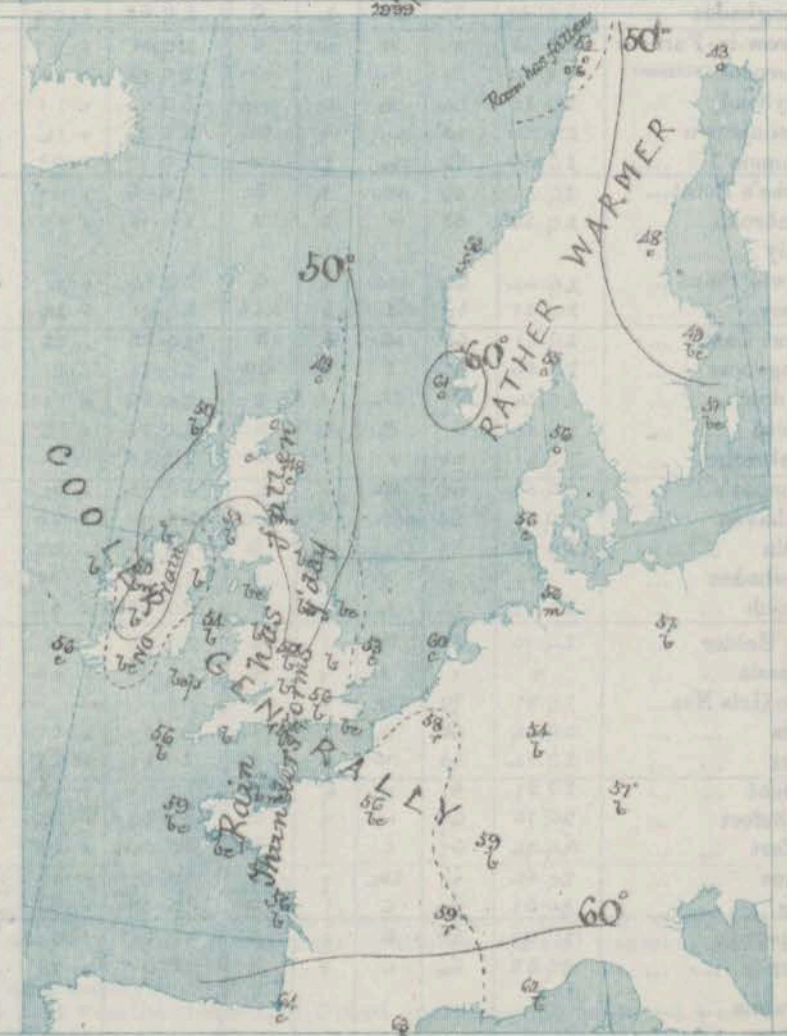
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of October.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min.	A t 8 a.m. Dry.	Wet.	
Sumburgh Head	49.5	41.6	45.9	44.4	4.33
Stornoway	50.2	38.8	45.1	43.9	4.04
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	42.5	2.38
Aberdeen	52.1	41.3	45.5	43.6	2.89
Leith	55.3	41.9	46.7	45.1	1.94
Shields	53.2	43.1	47.3	45.5	2.46
York	55.2	40.9	46.0	44.7	2.64
Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	53.2	43.2	47.8	46.8	3.35
Holyhead	54.9	47.5	50.4	48.6	4.53
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	6.09
Roche's Point	55.6	46.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.5	49.4	4.13
Scilly	56.8	50.7	53.9	52.0	3.84
Hurst Castle	57.7	46.8	51.5	50.5	3.24
Dover	56.2	47.8	51.5	49.4	3.28
LONDON	57.1	43.5	48.4	46.9	2.74
Oxford	55.7	42.9	47.0	45.8	2.72
Cambridge	57.0	41.6	46.6	45.7	2.86
Yarmouth	54.9	45.1	49.5	48.2	2.97

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 ins. and upwards, over the Baltic, but relatively high 30.0 ins. over the south of France.  
Lowest, 29.5 ins. and less, in a large area of low pressure lying to the N<sup>W</sup> and NW<sup>W</sup> of our Islands.  
Rather steep gradients for S<sup>W</sup> winds over Scandinavia.

## TEMPERATURE

Highest, 64° at Biarritz, 63° at Perpignan, 62° at Nice, and 58° at Rochepoint, Hawke Point, and Jersey.  
Lowest, 43° at Haparanda, and 47° at Kain and Pansinstown.  
During yesterday the thermometer rose to 78° in London and 80° at Cambridge.

## WIND

Strong from SE. or S. in Scandinavia and Denmark.  
Light from S. on our western coast, fresh from SW. or W. in the east and south of England.  
Fresh NW gale experienced at Hawke Point last night, and moderate WSW. gale at the Channel stations.

## WEATHER

Dull in Scandinavia and the extreme north of Scotland, but fine elsewhere.  
Heavy rain fell yesterday in many parts of the Kingdom, the largest amount being 1.0 in. at Harrow in London and Liverpool, 0.9 in. at Shields, and 0.7 in. at Pembroke.

## SEA

Rather rough in the Straits of Dover and also at Brest, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed over the Bay of Biscay has become much shallower and moved in a north-easterly direction to the North Sea. In its rear the barometer is now rising at all our own and the French stations.

In the south-west of France the wind after veering to the W<sup>W</sup> yesterday is now backing again so that there is some probability of the advance of a new depression from the S<sup>W</sup>. At present, however, the indications are not very decided.

## FORECASTS

For the 24 hours ending at NOON on 3<sup>rd</sup> OCTOBER 1886.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	SW <sup>W</sup> and S <sup>W</sup> winds, light; fair generally, but some showers.
1	SCOTLAND EAST	-----D-----D-----D-----
2	ENGLAND N.E.	Same as N°5.
3	ENGLAND EAST	Same as N°5.
4	MIDLAND COUNTIES	Same as N°5.
5	ENGLAND SOUTH	W <sup>W</sup> to S <sup>W</sup> winds, fresh and gusty; changeable, some showers.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Same as N°0.
7	ENGLAND N.W.	Same as N°0.
8	ENGLAND S.W.	S <sup>W</sup> to SE <sup>W</sup> winds, fresh; fair to unsettled and some rain.
9	IRELAND NORTH	Varying S <sup>W</sup> winds, moderate; changeable, some showers.
10	IRELAND SOUTH	-----D-----D-----D-----

### WARNINGS

The south coast was hoisted yesterday morning in districts 3, 5 and part of 8, but the signals were lowered again in the evening.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.79	59	56	SSE 8	o m	5	Holyhead ...	29.54	53	51	2 0	cl	0
Sumburgh Head	29.50	54	52	SW 2	0	4	Valencia ...	29.50	59	54	SW 5	bc	5
Stornoway ...	29.33	55	51	S 8	cyp	6	Scilly ...	...	...	...	...	...	...
Aberdeen ...	29.52	56	54	S 4	n	1	Dungeness ...	29.60	69	64	S 3	bc	3
Shields ...	29.55	56	56	2 0	n	2	London ...	29.57	76	63	SE 5	6	4
Ardrossan ...	29.50	54	50	SSE 3	0	2	Yarmouth ...	29.66	66	62	SSE 4	6	4
Malin Head ...	29.39	54	50	S 4	c	4	Jersey ...	29.56	68	65	S 4	0	4
Mullaghmore ...	29.42	58	55	WSW 5	bc	4	Rochefort ...	29.71	75	68	SSE 7	0	2
Belmullet ...	29.40	56	49	SW 6	bc	4							

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

(For condition at 8am today see pp 2 and 3)

The Continental Reports have not yet arrived.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

**WEATHER.**—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; th. 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 3<sup>rd</sup> OCTOBER 1886.  
 Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

+ YESTERDAY EVENING.																		8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.			Weather.	BAROMETER.		SHADE TEMP.			WIND.			Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.												
			Dir.	Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Fxy.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.													
SCANDINAVIA.																														
Haparanda ...	29.68	46	S	8	0	29.28	- .71	46	46	+ 3	S	6	r	4	46	37	0.28													
Hernösand ...	29.83	49	S	8	0	29.51	- .56	55	50	+ 7	W	8	b	2	?	45	0.04													
Stockholm ...	29.96	50	W	6	c	29.87	- .34	55	52	+ 6	SW	4	bc	+	63	48	0.04													
Wishby ...	30.01	53	SSW	6	b	29.95	- .20	54	52	+ 3	W	7	b	+	59	50	-													
Bodö ...	29.50	48	WSW	6	r	29.48	- .06	47	?	- 12	WSW	6	c	4	?	37	0.95													
Christiansund ...	29.43	54	WSW	1	r	29.46	+ .35	46	?	- 7	W	8	c	6	55	43	0.32													
Skudesnaes ...	29.83	53	W	6	bc	30.23	+ .60	51	50	- 10	Z	0	o	3	61	?	0.36													
Christiania Fjord (Færdar) ...	29.74	50	SSE	6	r	30.02	+ .07	54	50	- 1	W	6	b	2	57	54	0.26													
Skagen (The Seaw) ...	29.94	57	S	4	o	30.09	+ .19	55	51	- 1	NNW	5	c	3	59	54	0.04													
Fanö ...	30.04	54	W	6	b	30.20	+ .44	57	55	+ 1	Z	0	b	2	63	46	-													
BRITISH ISLANDS.																														
Sumburgh Head ...	29.73	51	W	2	bc	30.02	+ .52	49	48	0	Z	0	o	3	53	45	0.09													
Stornoway ...	29.78	52	SSW	3	b	29.88	+ .37	53	51	+ 3	EGE	4	bc	4	57	46	0.09													
Wick ...	29.81	51	W	1	b	29.99	+ .42	53	52	+ 5	S	1	o	0	59	44	0.01													
Nairn ...	29.81	53	SW	1	c	29.94	+ .40	51	50	+ 4	Z	0	r	1	61	46	0.04													
Aberdeen ...	29.88	54	SW	1	b	30.02	+ .46	52	51	+ 4	Z	0	om	0	62	47	-													
Leith ...	29.89	55	WSW	1	b	29.98	+ .36	53	51	+ 3	S	1	om	2	63	48	-													
Shields ...	29.92	56	SW	3	o	30.05	+ .41	51	50	+ 3	S	3	mw	2	61	47	-													
Spurn Head ...	29.97	58	S	2	bc	30.07	+ .37	58	56	+ 5	SE	4	bc	3	62	49	-													
York ...	29.96	57	S	1	o	30.08	+ .37	49	48	- 1	SE	1	b	+	63	44	-													
Loughborough ...	29.98	58	SE	1	bc	30.06	+ .27	48	47	- 2	SE	1	bcw	+	66	43	-													
GERMANY.																														
Arrossan ...	29.84	55	S	3	bc	29.92	+ .29	55	53	+ 2	E	3	rm	2	58	52	0.10													
Malin Head ...	29.73	55	SSE	4	o	29.76	+ .18	56	55	+ 8	SSE	4	op	3	58	48	0.09													
Mullaghmore ...	29.66	58	SE	6	o	29.69	+ .09	60	56	+ 10	SE	5	c	4	60	50	0.08													
Belmullet ...	29.58	58	SSE	5	o	29.65	+ .07	57	55	+ 3	SSW	6	om	+	60	53	0.08													
Donaghadee ...	29.83	56	SSW	3	c	29.87	+ .22	55	54	+ 6	SSW	4	r	2	60	49	0.25													
FRANCE & NETHERLANDS.																														
Barrow-in-Furness ...	29.88	56	ESE	2	bc	29.95	+ .27	55	52	+ 3	ENE	5	bc	+	59	52	-													
Liverpool (Bidston) ...	29.92	57	SSE	2	bc	29.99	+ .24	52	49	+ 1	SE	3	bc	3	62	50	-													
Holyhead ...	29.87	57	SSE	3	bc	29.90	+ .19	58	53	+ 4	SSE	3	c	2	61	54	-													
Parsonstown ...	29.70	58	SE	1	c	29.63	- .03	57	56	+ 10	Z	0	c	+	61	45	0.35													
Valencia ...	29.47	59	SE	9	o	29.67	+ .10	56	54	0	S	5	bc	5	61	56	0.32													
Roche's Point ...	29.63	59	S	8	r	29.73	+ .07	59	58	+ 1	SSW	4	o	5	60	53	0.53													
Pembroke ...	29.84	60	S	5	bc	29.87	+ .12	58	56	+ 2	SE	5	c	6	61	55	-													
Scilly ...																														
Prawle Point ...	29.94	59	SE	5	bc	29.94	+ .10	59	57	+ 1	SE	4	bc	4	61	56	-													
Jersey ...	29.97	61	SSE	3	bc	29.96	+ .05	59	58	+ 1	ESE	2	om	2	65	54	-													
HURST CASTLE.																														
Hurst Castle ...	30.01	59	S	2	b	30.00	+ .12	58	57	+ 4	E	2	om	1	66	53	0.02													
Dungeness ...	30.03	59	WSW	3	b	30.04	+ .17	59	58	+ 2	SE	3	bc	2	67	56	-													
London ...	30.04	57	S	2	b	30.04	+ .15	50	48	- 6	ESE	1	f	+	68	48	-													
Oxford ...	30.04	53	ESE	2	b	30.04	+ .19	54	52	+ 2	SE	1	bm	+	64	45	-													
Cambridge ...	30.02	56	SW	1	b	30.09	+ .23	53	52	0	SE	1	c	+	63	43	-													
Yarmouth ...	30.03	60	S	3	bc	30.10	+ .35	58	56	+ 5	SSE	5	b	4	64	52	-													
Cuxhaven ...	30.00	52	W	2	r	30.14	+ .28	50	49	- 6	SSW	1	f	+	55	48	0.01													
Berlin ...	30.05	63	Z	0	b	30.08	+ .20	54	52	- 3	NNW	1	o	+	68	54	-													
Wiesbaden ...	*	*	*	*	*	30.20	+ .24	63	60	+ 9	SW	1	bc	+	70	?	-													
Munich ...	30.20	55	Z	0	b	30.23	+ .18	51	50	- 6	SE	2	b	+	70	45	-													
NETHERLANDS.																														
The Helder ...	30.13	52	WSW	1	b	30.19	+ .44	54	52	- 6	ESE	1	b	1	61	46	-													
Brussels ...	*	*	*	*	*	30.11	+ .20	55	54	- 3	E	1	o	+	64	49	-													
Cape Gris Nez ...	30.08	58	Z	0	b	30.05	?	54	53	- 5	E	4	o	2	66	50	-													
Paris ...	30.08	57	E	1	bc	30.16	+ .09	54	54	- 4	N	1	b	+	65	52	-													
Brest ...	29.89	60	SSW	7	r	?	?	59	56	0	SE	5	o	5	63	50	0.08													
Lorient ...	29.99	61	S	7	b	29.95	+ .04	58	57	- 1	E	5	c	5	68	52	-													
Rochefort ...	30.02	66	E	4	o	29.99	- .04	62	61	+ 6	ESE	4	c	2	68	52	-													
Belfort ...	30.08	64	W	1	c	30.16	+ .12	58	57	- 1	E	1	f	+	67	44	-													
Lyons ...	30.08	61	NNW	1	r	30.13	+ .12	59	57	0	ESE	1	b	+	64	57	0.20													
Nice ...	30.08	68	Z	0	b	30.16	+ .10	63	68	+ 1	Z	0	f	2	73	57	-													
Perpignan ...	30.00	64	Z	0	bc	30.02	+	65	64	+ 5	SE	3	b	+	71	59	-													
Biarritz ...	29.95	68	ENE	5	b	29.97	- .05	63	59	- 1	E	3	bc	2	73	63	-													
Corunna ...	*	*	*	*	*	29.82	-	59	68	-	SE	1	r	3	70	57	0.08													
Lisbon ...	29.96	60	SSW	5	bc	29.89	- .10	62	59	+ 2	SSE	5	o	3	68	60	-													

For Explanation of Columns, see p. 4.



# WEATHER

# CHARTS

for 8 a.m. on

Sunday 3<sup>rd</sup> October

1886.

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(Explanation of Map)

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

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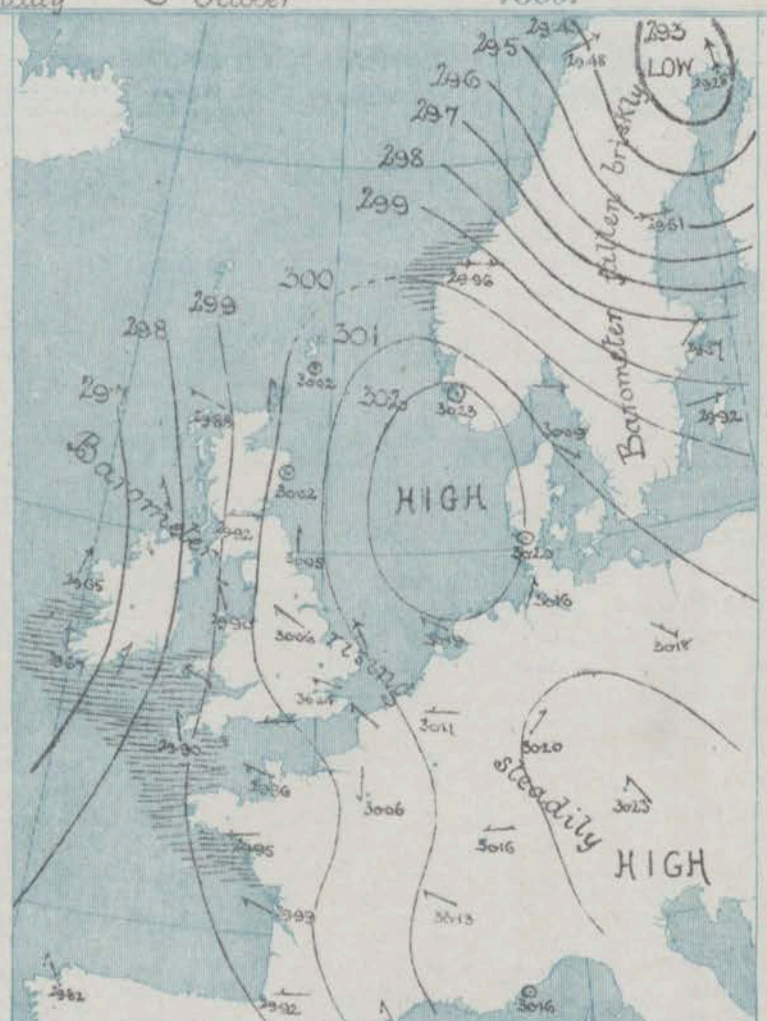
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at 8 a.m. for the month of October.  
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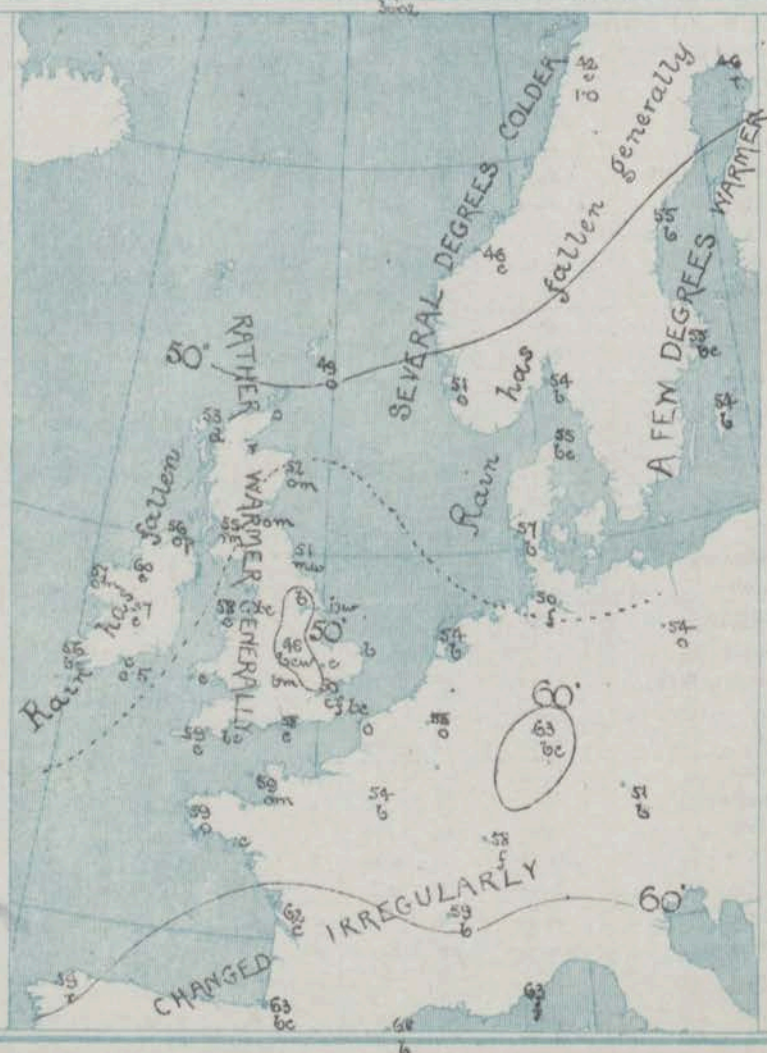
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of October.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.	At 8 p.m.	
Sumburgh Head	40.5	41.6	45.9	44.4	4.33
Stornoway	50.2	38.8	45.1	43.9	4.94
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	42.5	2.38
Aberdeen	52.1	41.3	45.5	43.5	2.88
Leith	55.8	41.9	46.7	45.1	1.94
Shields	53.2	43.1	47.3	45.5	2.46
York	55.2	40.9	48.0	44.7	2.64
Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	53.2	43.2	47.8	46.8	3.85
Holyhead	54.9	47.5	50.4	48.6	4.53
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	6.00
Roche's Point	55.6	46.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.5	49.4	4.13
Scilly	56.8	50.7	53.9	52.0	3.84
Hurst Castle	57.7	46.8	51.5	50.5	3.24
Dover	56.2	47.8	51.5	49.4	3.28
LONDON	57.1	43.5	48.4	46.9	2.74
Oxford	55.7	42.9	47.0	45.8	2.72
Cambridge	57.0	41.6	46.6	45.7	2.36
Yarmouth	54.9	45.1	49.5	48.2	2.97

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





## GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 in. and upwards, in an anticyclone lying over the North Sea.  
Lowest, 29.3 in. and less, in a depression lying near Haparanda, but relatively low 29.7 in. and less off our extreme western coast.

TEMPERATURE

Highest,  $68^{\circ}$  at Perpignan,  $63^{\circ}$  at Biarritz and Nice, and  $62^{\circ}$  at Lisbon  
Lowest,  $42^{\circ}$  at Bodo,  $46^{\circ}$  at Haparanda and Christiansund and  $49^{\circ}$  at Lunnburgh Head.

WIND

Strong to a gale from W. or SW over the northern part of Scandinavia.  
Variable in North Germany, SE<sup>2</sup> or S<sup>4</sup> elsewhere, fresh in force at some of our more exposed stations.  
A strong S<sup>7</sup> gale was experienced last night in the south of Ireland.

## WEATHER

~  
Cool and unsettled over the northern part of our Islands and Scandinavia, with rain  
Fair or fine in most other part of Western Europe.  
Since yesterday rain has fallen at several of our western and northern stations.

SEA

Rather rough on our south-west coast, moderate to smooth elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

During yesterday afternoon a well defined depression appeared off the west of Ireland, and a slight fall of the barometer took place on our extreme western coasts. In the course of the night, however, the disturbance has passed away over the Atlantic. The deep depression over Northern Scandinavia is not likely to affect the weather over our Islands.

## FORECASTS

for the 24 hours ending at NOON on 4<sup>th</sup> OCTOBER. 1886.

## 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

## FORECASTS.

None Issued

## WARNINGS

The south cone was hoisted yesterday in districts 0.1 and 6 to 10, but has been lowered again this morning.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	29.59	58	56	SSE 8	r	5	Holyhead ...	29.82	61	59	S 3	b	2
Sumburgh Head ...	29.40	58	49	W 2	o	4	Valencia ...	29.52	60	50	SE 8	og	6
Stornoway ...	29.67	55	57	SW 3	bp	3	Scilly ...	...	...	...	...	...	...
Aberdeen ...	29.73	59	52	WSW 2	bc	0	Dungeness ...	29.97	64	59	WSW 4	bc	4
Shields ...	29.72	60	52	SW 4	bc	2	London ...	29.96	64	59	S 2	bc	7
Ardrossan ...	29.78	58	53	S 2	b	1	Yarmouth ...	29.96	63	54	W 4	b	3
Malin Head ...	29.70	56	53	S 4	bc	3	Jersey ...	29.96	62	56	SSE 3	b	3
Mullaghmore ...	29.67	58	55	SE 4	c	2	Rochefort ...	30.05	72	62	ESE 5	c	2
Belmullet ...	29.60	58	52	SE 3	o	4							

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

(For condition at 8 am today see pp 2 and 3).

The Continental reports for yesterday (Saturday) showed that an anticyclone with readings above 30.3 ins. was lying over the Baltic Provinces, while relatively high pressures existed over the whole of Central and Southern Europe. To the westward and northward of our Islands, however, there was a large area of low readings in which the barometer was below 29.5 ins. The wind was strong from SE. or S. in Scandinavia and Denmark and variable over Central and Southern Europe, but elsewhere it varied from between S and W. and was light or moderate in force. The weather was fine in most places, but overcast skies were reported at some of the northern stations, and rain was falling at Brussels and Lyons. Temperatures had risen a little in Scandinavia, Denmark and the Netherlands, but fallen elsewhere; readings ranged from between 65° and 70° on the shores of the Mediterranean to 40° or less over Central and Northern Russia. The highest individual readings were 75° at Cagliari and Malta, and 73° at Algiers, Palermo, and Barcelona; the lowest were 35° at Moscow, 39° at St. Petersburg and 43° at Haparanda.

Later in the day a well defined depression appeared off the west of Ireland and the S. winds increased to a gale on our extreme western coast, with rain. At the eastern and most of the Continental stations, however, the weather remained fair and quiet.

For the 24 hours ending at 8 am October 1<sup>st</sup>

The reports for Thursday morning showed that pressure was highest (30.1 ins. and upwards) over Southern Europe, and that, while an area of low reading (29.5 ins.) was moving eastwards over Northern Russia, a new one of similar depth was approaching the west of our Islands. The wind was light and somewhat variable over Scandinavia and Northern Europe generally, and also over Southern Europe, but elsewhere it varied between S. and W., and on our western coasts it blew strongly. The weather was rainy at some of the more central stations, but fair or fine in nearly all other localities. Temperature had risen a few degrees over Central Europe and also in the north of our Islands, but fallen elsewhere, readings ranged from between 65° and 70° on the shores of the Mediterranean to a little below 40° over Northern Russia. The highest individual readings were 78° at Lfay, 77° at Alicante, and 73° at Malta; the lowest 36° at Moscow and 42° at Haparanda.

In the course of the day the low pressure system off our western coasts moved northwards, and slight rain fell at many of our western and northern stations. Over England, however, the weather remained fine, and temperature rose considerably above the average 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 7 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 4<sup>th</sup> October

1886.

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 ...	29.63	41	NW	6	b	29.81	+ .53	36	32	- 10	NW	4	b	4	48	41	0.28															
Hernösand ...	30.06	46	N	6	b	30.17	+ .66	42	37	- 13	N	4	b	4	55	41	-															
Stockholm ...	30.12	50	SEW	2	b	30.21	+ .34	42	38	- 13	N	2	b	4	61	41	-															
Wisby ...	30.10	54	N	4	b	30.15	+ .23	51	49	- 3	N	4	b	4	57	50	-															
Bodö ...	29.87	41	NW	6	c	30.07		40	36		NW	6	b	3	48	37	0.08															
Christiansund...	30.19	45	N	4	c	30.33		44	42		SEW	2	c	5	48	41	0.12															
Skudesuaes ...	30.22	55	NW	2	c	30.29	+ .06	54	52	+ 3	N	0	c	3	57	41	-															
Christiania Fjord (Pierder)	30.17	55	N	2	b	30.26	+ .24	51	46	- 3	NW	2	b	2	57	50	-															
Skagen (The Scaw)	30.22	51	NW	3	b	30.26	+ .17	52	51	- 3	N	0	b	0	59	45	-															
Fanö ...	30.26	52	NW	2	b	30.21	+ .01	53	51	- 4	E	4	c	4	61	48	-															
BRITISH ISLANDS.																																
Sumburgh Head	30.07	51	NE	1	n	30.17	+ .15	50	50	+ 0	ENE	1	c	2	53	48	0.05															
Stornoway ...	29.94	54	ESE	3	o	30.00	+ .12	53	52	0	NE	3	c	2	54	50	0.52															
Wick ...	30.03	53	S	1	n	30.11	+ .12	53	53	0	SE	3	om	2	54	50	0.20															
Nairn ...	29.94	54	N	0	n	30.03	+ .09	50	49	- 1	N	0	c	1	55	44	0.29															
Aberdeen...	30.06	54	S	1	o	30.10	+ .08	54	53	+ 2	SSE	2	om	1	57	51	-															
Leith ...	30.00	59	S	1	c	30.04	+ .06	53	53	0	SE	1	om	4	61	51	-															
Shields ...	30.03	54	SE	4	o	30.04	- .01	54	54	+ 3	ESE	2	n	2	60	49	0.03															
Spurn Head ...	30.03	57	ESE	4	c	29.99	- .08	58	58	0	ESE	5	cm	3	59	56	-															
York ...	30.06	57	ESE	1	o	29.99	- .09	59	58	+ 10	E	1	n	4	66	48	0.07															
Loughborough	30.01	60	ESE	1	o	29.96	- .10	59	59	+ 11	ESE	1	om	4	66	47	0.26															
GERMANY.																																
Ardrossan ...	29.95	57	E	1	o	29.97	+ .05	53	52	- 2	E	3	cm	2	58	51	0.15															
Malin Head ...	29.82	56	SSE	4	o	29.86	+ .10	55	55	- 1	SE	5	om	3	59	55	0.16															
Mullaghmore ...	29.79	58	ESE	3	n	29.82	+ .13	57	55	- 3	ENE	5	cm	4	65	57	0.31															
Belmullet ...	29.77	59	N	1	c	29.76	+ .11	58	57	+ 1	ESE	6	n	4	62	56	0.24															
Donaghadee ...	29.93	57	S	4	o	29.92	+ .03	56	55	+ 1	E	5	o	3	59	49	0.05															
Barrow-in-Furness	29.99	59	E	8	b	29.93	- .02	59	58	+ 4	NE	4	nm	3	62	55	0.05															
Liverpool (Bidston)	29.98	59	SE	2	o	29.91	- .08	59	58	+ 7	E	3	of	3	62	52	0.01															
Holyhead ...	29.91	60	SSE	3	c	29.86	- .04	59	58	+ 1	E	2	b	2	64	57	-															
Parsonstown ...	29.80	59	SE	2	o	29.77	+ .14	60	57	+ 3	SE	1	o	4	61	56	0.13															
Valencia ...	29.73	59	ESE	1	o	29.66	- .01	61	58	+ 5	SE	5	o	5	62	56	1.04															
Roche's Point...	29.77	59	S	4	n	29.75	+ .02	59	58	- 3	SE	5	o	4	60	56	0.30															
Pembroke ...	29.88	60	ESE	4	c	29.83	- .04	60	60	+ 2	ESE	3	b	3	63	58	0.07															
Scilly ...																																
Prawle Point ...	29.91	59	ENE	3	o	29.83	- .11	61	60	+ 2	ENE	4	c	3	62	57	0.02															
Jersey ...	29.89	64	NE	1	c	29.86	- .10	64	62	+ 5	SE	3	cgm	3	65	58	0.05															
FRANCE & NETHERLANDS.																																
Hurst Castle ...	29.97	60	ESE	2	m	29.91	- .09	62	61	+ 4	E	3	b	1	64	57	0.05															
Dungeness ...	29.98	63	E	3	m	29.96	- .08	64	63	+ 5	SSE	2	b	2	65	58	-															
London ...	30.00	62	ENE	1	c	29.96	- .08	59	58	+ 9	SE	2	f	4	68	50	-															
Oxford ...	29.99	61	SE	1	o	29.94	- .10	57	57	+ 3	E	1	b	4	65	54	0.17															
Cambridge ...	30.04	61	S	1	c	29.96	- .13	62	62	+ 9	E	1	c	4	68	51	-															
Yarmouth ...	30.06	59	ESE	3	b	30.01	- .09	60	59	+ 2	ESE	3	b	3	60	57	-															
Cuxhaven ...	30.24	53	E	4	b	30.20	+ .04	56	55	+ 6	ESE	4	o	4	58	41	-															
Berlin ...	30.26	58	E	1	b	30.25	+ .07	52	51	- 2	ESE	2	o	4	63	50	-															
Wiesbaden ...	*	*	*	*	*	30.18	- .05	56	55	+ 5	N	0	b	4	75	41	-															
Munich ...	30.21	57	N	0	b	30.23	+ .03	51	51	- 12	N	2	f	4	70	48	-															
PENINSULA.																																
The Helder ...	30.12	58	E	1	b	30.09	- .10	58	57	+ 4	E	1	b	1	61	54	-															
Brussels ...	*	*	*	*	*	30.06	- .05	66	62	+ 11	SSE	1	b	4	71	41	-															
Cape Gris Nez...	30.01	68	SSE	1	b	29.95	- .10	65	62	+ 11	SE	3	b	1	72	52	-															
Paris ...	30.01	69	ESE	1	b	30.04	- .02	60	58	+ 6	SE	1	b	4	78	57	-															
Brest ...	29.85	62	SSE	3	o	29.74	- .11	63	62	+ 4	ESE	5	o	5	63	57	-															
Lorient ...	29.87	64	SE	4	b	29.81	- .14	64	63	+ 6	SE	5	b	4	68	52	-															
Rockfort ...	29.95	70	SSE	4	c	29.92	- .07	66	64	+ 4	SSE	7	c	2	81	61	-															
Belfort ...	30.14	67	E	1	b	30.19	+ .03	54	53	- 4	S	1	b	4	72	43	-															
Lyons ...	30.08	68	S	1	b	30.14	+ .01	59	56	0	SE	1	b	4	77	57	-															
Nice ...	30.17	65	ENE	1	b	30.18	+ .02	64	58	+ 1	E	1	b	1	75	57	-															
Perpignan ...	30.01	71	S	5	b	30.04	+ .02	70	66	+ 2	SSE	4	o	4	80	66	-															
Biarritz ...	29.86	73	E	4	b	29.86	- .06	73	63	+ 10	E	4	b	1	81	63	-															
Corunna ...																																
Lisbon ...	29.82	66	S	7	n	29.70	- .19	61	60	- 1	S	5	o	4	68	59	1.10															

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Mondays 4<sup>TH</sup> OCTOBER 1886.

## 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 —

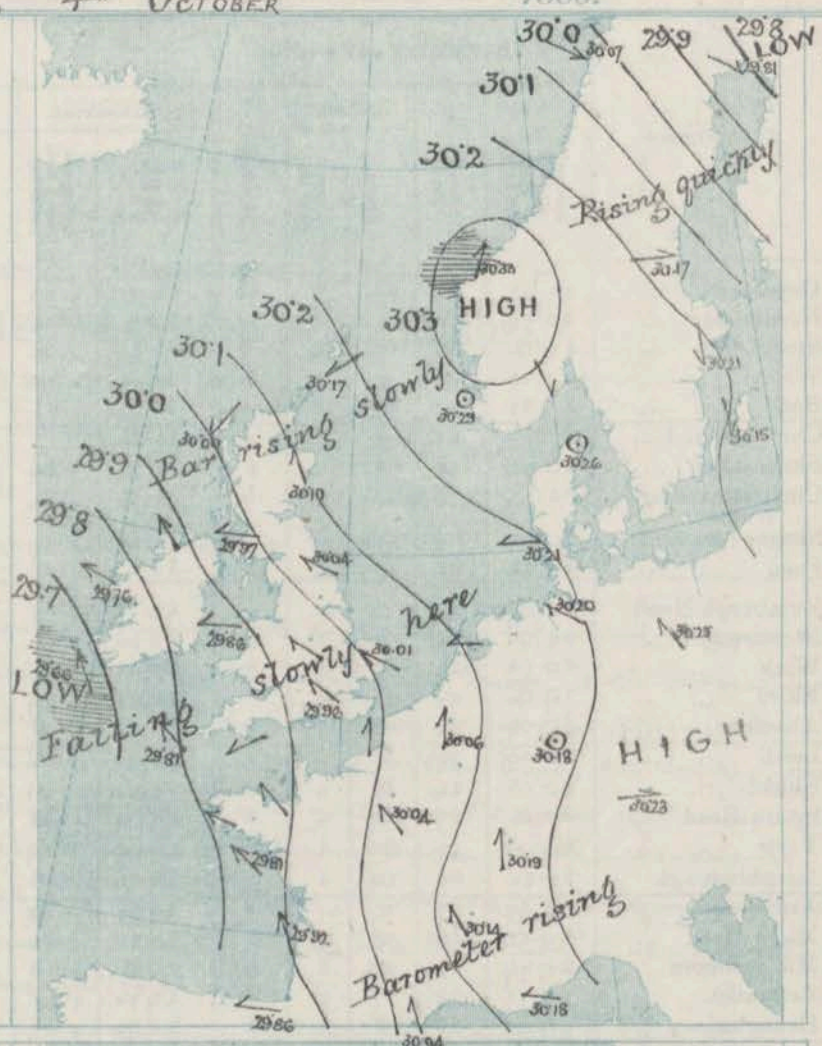
→ = forces above 10, →→ = forces 8 to 10,  
→→ = forces 5 to 7, → = forces 1 to 4,  
○ = dead calm.

**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 10 Years 1871-1880.

STATIONS.	MEAN READINGS
Sumburgh Head	29.685
Stornoway	29.707
Wick	29.718
Nairn	29.738
Aberdeen	29.748
Leith	29.780
Shields	29.821
York	29.860
Ardrossan	29.749
Donaghadee	29.805
Holyhead	29.830
Liverpool	29.848
Valencia	29.842
Roche's Point	29.848
Pembroke	29.847
Scilly	29.877
Hurst Castle	29.894
Dover	29.907
LONDON	29.902
Oxford	29.891
Cambridge	29.894
Yarmouth	29.889



## 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.

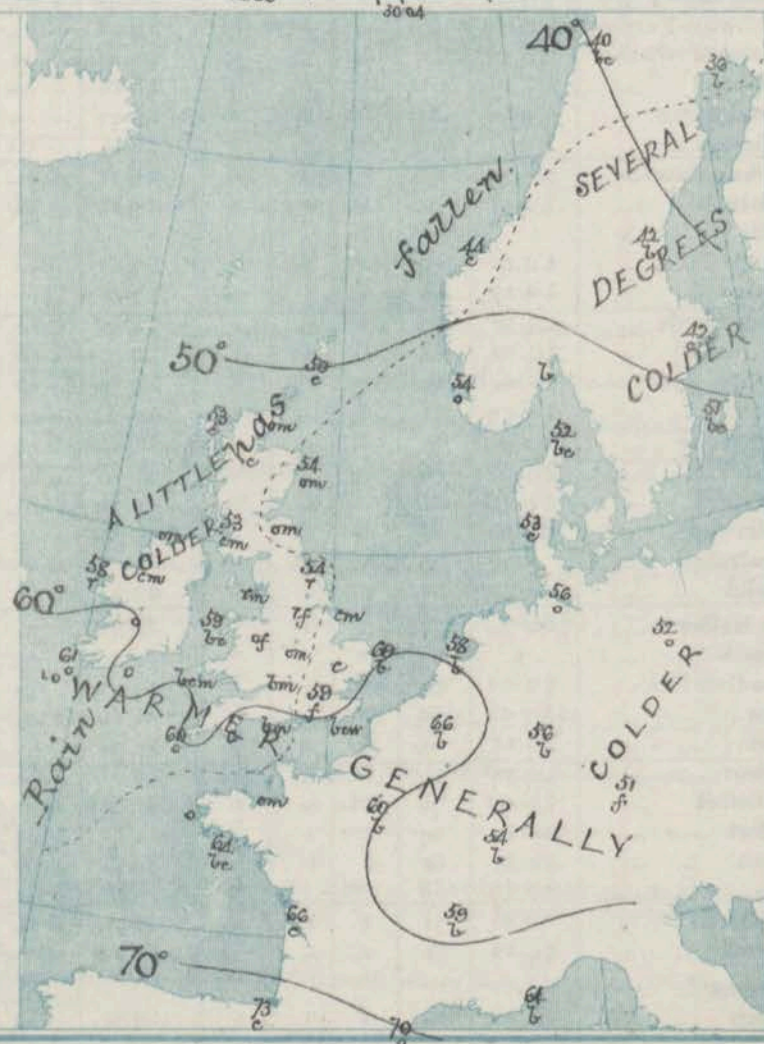
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## 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	49.5	41.6	45.9	44.4	4.33
Stornoway	50.2	38.8	45.1	43.9	4.94
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	42.5	2.38
Aberdeen	52.1	41.3	45.5	43.5	2.88
Leith	55.3	41.9	46.7	45.1	1.04
Shields	53.2	43.1	47.3	45.5	2.46
York	55.2	40.9	46.0	44.7	2.64
Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	53.2	43.2	47.8	46.8	3.35
Holyhead	54.9	47.5	50.4	48.6	4.58
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	6.09
Roche's Point	55.6	46.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.5	49.4	4.13
Scilly	56.8	50.7	53.9	52.0	3.84
Hurst Castle	57.7	46.8	51.5	50.5	3.24
Dover	56.2	47.8	51.5	49.4	3.28
LONDON	57.1	43.5	48.4	46.9	2.74
Oxford	55.7	42.9	47.0	45.8	2.72
Cambridge	57.0	41.6	46.6	45.7	2.36
Yarmouth	54.9	45.1	49.5	48.2	2.97

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.3 ins: and upwards, in an anticyclone lying over Norway. Lowest, 29.7— and less, off the south-west of Ireland. Moderate gradients for SE <sup>ly</sup> winds prevailing generally.
TEMPERATURE	Highest, 73° at Biarritz, 70° at Perpignan, and 64° at Jersey and Rungness. Lowest, 36° at Naparanda, 40° at Bodø, and 51° at Suvaburg Head and Kairn. Over our southern and midland countries temperature is rising fast.
WIND	NW <sup>ly</sup> or N <sup>ly</sup> in Sweden and the north of Norway, but SE <sup>ly</sup> or E <sup>ly</sup> elsewhere. Moderate in force in most places, fresh or strong in Ireland, the west of France.
WEATHER	Rainy in the north of England <sup>and</sup> on our south-west coast. Fair or fine elsewhere, with mist or fog in many places. Rain fell yesterday at all our more western stations, the largest amounts being 1.0 in: at Valencia and 0.5 at Stornoway.
SEA	Rather rough at Valencia, moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The deep depression noticed yesterday over the north of Scandinavia has disappeared from our area, the anticyclone over the North-Sea has moved northwards, and the barometer has risen at all our more northern stations. In the meantime, however, a new but shallow disturbance has appeared off the south-west of Ireland.

The new depression seems likely to move south-eastwards, and some increase of wind is possible over the south-west of England. Elsewhere, however, no decided change is probable either in the winds or weather.

## FORECASTS

For the 24 hours ending at NOON on 5<sup>th</sup> OCTOBER 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	E <sup>ly</sup> winds, light or moderate; fair generally.	6 SCOTLAND WEST	E <sup>ly</sup> winds, light or moderate; cloudy, rain locally.
1 SCOTLAND EAST	SE <sup>ly</sup> winds, moderate; dull, misty, rain locally.	7 ENGLAND N. W.	D° ——— D° ——— D°
2 ENGLAND N. E.	———— D° ——— D° ——— D° ———	8 ENGLAND S. W.	E <sup>ly</sup> and SE <sup>ly</sup> winds, freshening; fair to dull and some rain.
3 ENGLAND EAST	Same as N° 5.	9 IRELAND NORTH	SE <sup>ly</sup> and E <sup>ly</sup> winds, fresh or strong; dull, rain locally.
4 MIDLAND COUNTIES	Same as N° 5.	10 IRELAND SOUTH	———— D° ——— D° ——— D°
5 ENGLAND SOUTH	E <sup>ly</sup> and SE <sup>ly</sup> winds, moderate; fair, warm.	WARNINGS	NONE ISSUED.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Th.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	30.18	58	55	SSW 1	c	3	Holyhead ...						
Sumburgh Head							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rochefort ...	29.96	79	72	SSE 5	c	2
Belmullet ...													

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

The Continental reports for yesterday showed that a large anticyclone covered the whole of Eastern and Central Europe, its central area in which readings exceeded 30.5 ins being found over South Russia. Over the north of Sweden, however, there was a deep depression, with readings below 29.5 ins, while to the west of our islands pressure was relatively low (29.7 ins and less). As a result of this distribution light variable airs were reported over Central, and moderate SE<sup>ly</sup> or S<sup>ly</sup> winds over Western Europe, but in Sweden and the north of Norway there was a gale from the SW<sup>ly</sup>. Rain was falling in the north of Scandinavia and also at some of the Irish and Scotch stations, but elsewhere the weather was fair or fine. Temperature had fallen somewhat in the regions affected by the anticyclone, but risen in the our-lying districts; on the shores of the Mediterranean it ranged between 65° and 75° whence it decreased to 50° in the north of Scandinavia, and to the freezing point or below over Central Russia. The highest individual readings were 76° at Malta, 75° at Cagliari and 73° at Algiers; the lowest were 27° at Moscow, 37° at Nicolaieff and 42° at Rode.

In the course of the day the depression over the north of Sweden travelled away to the eastward, and the wind in the extreme north veered to W and subsided. Shallow disturbances over our western districts occasioned rain in many places, but at our south-eastern and most of the Continental stations the weather remained fair.

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

FROM THE 26<sup>TH</sup> SEPTEMBER TO THE 2<sup>ND</sup> OCTOBER 1886.

During this week the weather was rough, wet and unsettled in all the western and northern parts of the United Kingdom, and at times in France also while over the Central, Southern and Eastern parts of England it was fine, sometimes bright, and at the latter part of the week very warm. The week commenced with rather high pressures (30.2 ins and upwards) over the Bay of Biscay, while readings were about 29.8 ins over the north of Scandinavia and off the north of Scotland. The high-pressure area in the south continued till the middle of the week and increased in height, so that on the 28<sup>th</sup> the maximum readings exceeded 30.4 ins. In the mean time a number of depressions appeared in the west and travelled north-eastwards outside our western coasts causing strong gales and much rain in Ireland and Scotland, the gales extending in some cases, as a strong squally wind even to France and the North Sea. The southern high-pressure area then reached Germany and Switzerland, and while large depressions continued to appear in the west, well-marked subsidaries appeared in the south-west and passed north-eastwards across England. It was in the right front of one of these (on the 1<sup>st</sup> October) that the weather in the south-east of England became so exceptionally warm for the time of year — the maximum temperature in London being 78°, and that at Loughborough 72°.

Four main depressions appeared in the west and north-west:—

The first reached the Irish coast on the night of the 26<sup>th</sup>. It was large and rather deep, and caused SW<sup>ly</sup> to W<sup>ly</sup> gales or strong winds almost all over the Kingdom, with heavy rain in the west and north, but very little in the south-east.

The second was small. It reached our north-west coasts early on the 29<sup>th</sup> and moved slowly. Its gales (from SW) were strong in the west, but in the north E<sup>ly</sup> airs were felt. Rainfall was abundant in the west and north-west.

The third approached Ireland on the 30<sup>th</sup> and was large, but not very deep, strong S<sup>ly</sup> gales were felt in the west, with showers, but fine weather and fresh breezes over England. The subsidiary system which followed in the south-west brought gales and thunderstorms to the southern parts of our area, but filled up as it advanced.

The fourth reached the west of Ireland on the evening of October 2<sup>nd</sup>, but filled up as it advanced northwards, so that its gales and rain were confined to the western districts, while warm SE<sup>ly</sup> breezes were felt in the south-east and halos were seen in London.

## EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Tuesday 5<sup>th</sup> October

1886.

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

Issued by the Meteorological Office, 16, Victoria Street, London, W. H. SCOTT, Secretary.																		
STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.									PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.		WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.			Force (0 to 12.)	Max.		Min.	
SCANDINAVIA.	Haparanda ...	29.97	34	N	2	O	29.83	+0.12	38	35	+2	WNW	2	O	4	45	30	-
	Hernösand ...	30.30	42	N	4	O	30.14	+0.16	40	36	-2	N	2	bc	4	52	39	-
	Stockholm ...	30.11	41	N	0	O	30.24	+0.13	40	38	-2	SW	2	O	4	52	37	-
	Wisby ...	30.25	42	N	4	O	30.21	+0.06	48	45	-3	WNW	4	bc	4	54	41	-
	Bodö ...	30.09	44	WSW	6	bc	30.02	-0.05	45	42	+5	WSW	3	O	3	45	37	0.08
	Christiansund ...	30.35	39	ESE	1	O	30.32	-0.01	38	37	-6	SE	1	O	4	46	34	-
	Skudesnaes ...	30.32	53	E	1	bc	30.29	-0.03	53	50	-1	E	2	bc	3	61	52	-
	Christiania Fjord (Pierder) ...	30.34	53	N	0	O	30.33	+0.01	48	48	-3	N	0	O	0	54	46	-
	Skagen (The Scaw) ...	30.32	50	NE	1	O	30.32	+0.06	51	49	-1	SSE	1	O	1	54	48	-
	Fanö ...	30.19	54	E	4	O	30.18	-0.03	53	51	0	E	4	O	4	61	52	-
BRITISH ISLANDS.	Sumburgh Head ...	30.18	49	E	2	f	30.17	-0.01	52	51	+2	E	2	bc	3	56	47	0.01
	Stornoway ...	29.96	56	NNE	2	O	29.86	-0.10	57	56	+4	ESE	4	bc	4	63	51	-
	Wick ...	30.06	53	SE	3	O	30.02	-0.04	53	53	0	S	4	?	0	54	52	0.01
	Nairn ...	30.02	58	E	2	O	29.95	-0.07	58	57	+8	E	2	bc	1	61	48	-
	Aberdeen ...	30.10	54	SE	3	op	30.03	-0.07	54	53	0	SE	2	dm	1	55	52	0.16
	Leith ...	29.99	55	SE	1	O	29.94	-0.05	55	53	+2	SE	2	om	2	57	53	0.20
	Shields ...	30.01	55	ESE	2	om	29.96	-0.05	54	54	0	E	1	f	2	55	52	0.19
	Spurn Head ...	29.96	58	E	4	bc	29.90	-0.06	59	58	+1	E	4	bc	4	60	57	-
	York ...	29.98	61	E	1	O	29.92	-0.06	59	58	0	E	1	f	2	69	55	0.06
	Loughborough ...	29.93	67	E	1	O	29.88	-0.05	56	55	-3	N	0	f	2	77	54	-
GERMANY.	Ardrossan ...	29.89	59	NE	4	O	29.85	-0.04	57	55	+4	NE	4	cm	2	64	52	-
	Malin Head ...	29.78	57	ESE	5	om	29.68	-0.10	61	60	+6	SE	6	om	5	62	55	0.01
	Mullaghmore ...	29.72	61	ESE	5	cm	29.63	-0.09	61	60	+4	ESE	4	og	2	63	56	0.23
	Belmullet ...	29.69	62	E	4	O	29.55	-0.14	62	59	+4	ESE	6	O	3	64	57	0.10
	Donaghadee ...	29.84	59	SE	4	O	29.78	-0.06	58	57	+2	SE	6	O	4	59	51	-
	Barrow-in-Furness ...	29.90	63	NE	2	bc	29.84	-0.06	60	49	+1	NE	4	bc	4	65	58	-
	Liverpool (Bidston) ...	29.88	66	E	3	O	29.83	-0.05	60	58	+1	E	2	cm	3	68	58	-
	Holyhead ...	29.80	65	E	2	O	29.76	-0.04	63	61	+4	ESE	1	O	2	69	57	-
	Parsonstown ...	29.72	63	SE	1	O	29.63	-0.09	60	58	0	SE	2	O	2	64	59	-
	Valencia ...	29.57	62	E	4	ogm	29.47	-0.10	60	58	-1	SE	8	omv	8	68	59	-
FRANCE & NETHERLANDS.	Roche's Point ...	29.65	60	ESE	5	O	29.60	-0.05	60	58	+1	SE	5	O	4	62	58	0.01
	Pembroke ...	29.74	64	ESE	4	bc	29.75	-0.01	60	60	0	SE	3	cp	2	66	59	0.16
	Scilly ...	29.77	62	E	3	O	29.78	-0.01	60	60	-1	S	2	m	4	65	59	0.05
	Prawle Point ...	29.80	67	ESE	3	ogm	29.79	-0.01	63	62	-1	SE	2	O	2	70	62	0.01
	Hurst Castle ...	29.86	64	ESE	4	bc	29.81	-0.05	62	60	0	E	2	O	0	70	59	-
	Dungeness ...	29.92	65	E	1	bc	29.86	-0.06	64	62	0	SE	2	O	1	69	60	-
	London ...	29.94	66	ESE	3	bc	29.83	-0.11	59	58	0	N	0	bf	4	80	58	-
	Oxford ...	29.92	66	SE	2	bc	29.84	-0.08	59	58	+2	N	0	bw	4	75	54	-
	Cambridge ...	29.94	66	E	1	O	29.86	-0.08	58	58	-4	E	1	O	4	80	51	-
	Yarmouth ...	29.99	61	ESE	3	O	29.89	-0.10	60	59	0	ESE	2	bw	3	63	58	-
PENINSULA.	Cuxhaven ...	30.16	56	ESE	4	O	30.16	-0.04	56	55	0	ESE	4	O	4	60	53	-
	Berlin ...	30.21	58	E	1	O	30.21	-0.04	55	52	+3	ESE	1	bc	2	61	54	-
	Wiesbaden ...	30.19	55	N	0	O	30.12	-0.07	48	47	-3	E	1	f	3	63	43	-
	Munich ...	30.04	64	E	1	O	29.99	-0.05	56	56	-2	E	1	f	1	70	55	-
	The Helder ...	29.97	64	E	1	O	29.97	-0.09	64	61	-2	SE	4	O	4	76	61	-
	Brussels ...	29.92	66	N	0	O	29.83	-0.09	61	59	-4	SE	1	O	0	77	54	-
	Cape Gris Nez ...	29.96	68	ESE	3	O	29.89	-0.07	57	56	-3	ESE	1	O	2	78	56	-
	Paris ...	29.69	65	ESE	5	O	29.78	+0.04	61	59	-2	SW	4	O	5	68	57	-
	Brest ...	29.75	69	ESE	4	O	29.76	-0.05	60	58	-5	N	4	N	3	73	55	0.12
	Lorient ...	29.86	73	ESE	4	O	29.89	-0.03	61	60	-5	S	5	N	2	79	57	0.51
SOUTH AFRICA.	Belfort ...	30.07	69	E	3	O	30.01	-0.06	64	62	+10	E	4	O	4	74	52	-
	Lyons ...	30.03	69	S	1	O	29.97	-0.06	60	57	+1	ESE	1	O	1	78	57	-
	Nice ...	30.13	68	N	0	O	30.07	-0.06	60	54	-4	ESE	1	O	1	77	57	-
	Perpignan ...	30.01	69	ESE	4	O	29.89	-0.12	63	63	-7	E	3	O	4	81	62	0.91
SOUTH AFRICA.	Biarritz ...	29.82	69	WSW	4	N	29.91	+0.09	59	58	-14	N	8	N	3	80	59	1.82
	Coruna ...	29.89	61	SW	4	O	29.99	+0.10	58	55	-9	SSE	2	O	4	66	52	-
SOUTH AFRICA.	Lisbon ...	29.89	61	SW	4	O	30.07	+0.18	62	59	+1	SW	4	O	5	66	55	0.24

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Tuesday, 5<sup>TH</sup> OCTOBER.

1886.

## 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.

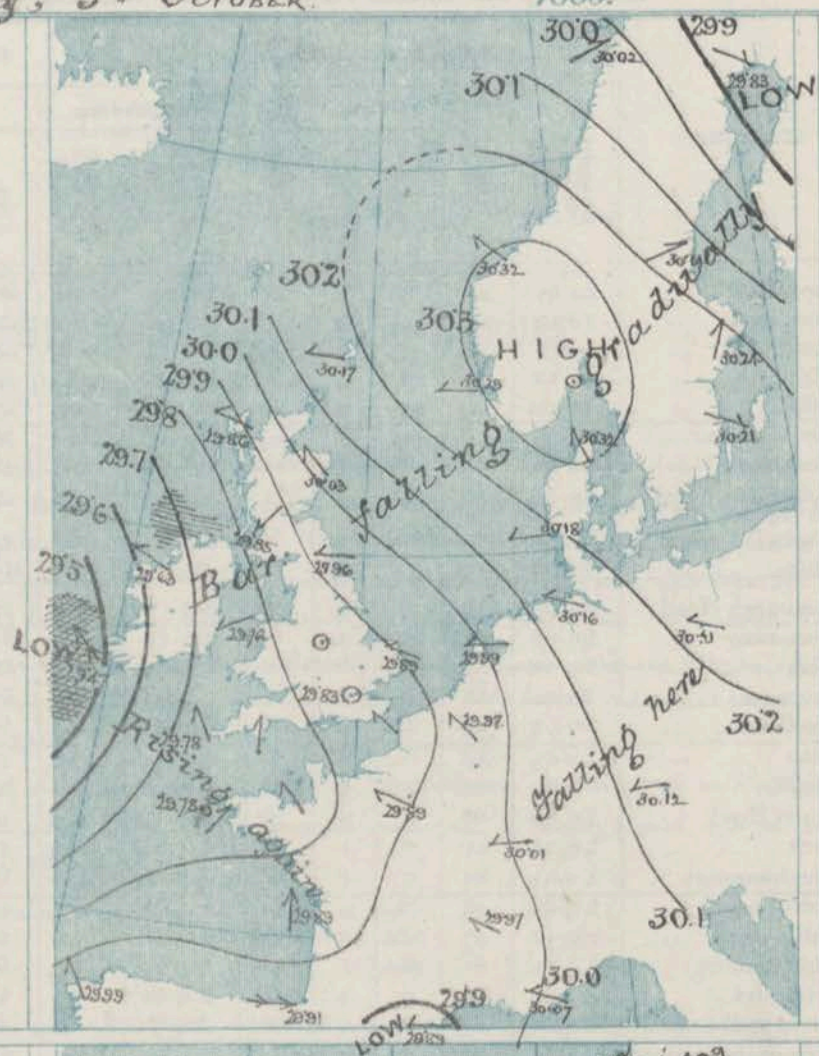
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.685
Stornoway	29.707
Wick	29.718
Nairn	29.738
Aberdeen	29.748
Leith	29.780
Shields	29.821
York	29.860
Ardrossan	29.749
Donaghadee	29.805
Holyhead	29.830
Liverpool	29.848
Valencia	29.842
Roche's Point	29.843
Pembroke	29.847
Scilly	29.877
Hurst Castle	29.894
Dover	29.907
LONDON	29.902
Oxford	29.891
Cambridge	29.894
Yarmouth	29.889



## 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.

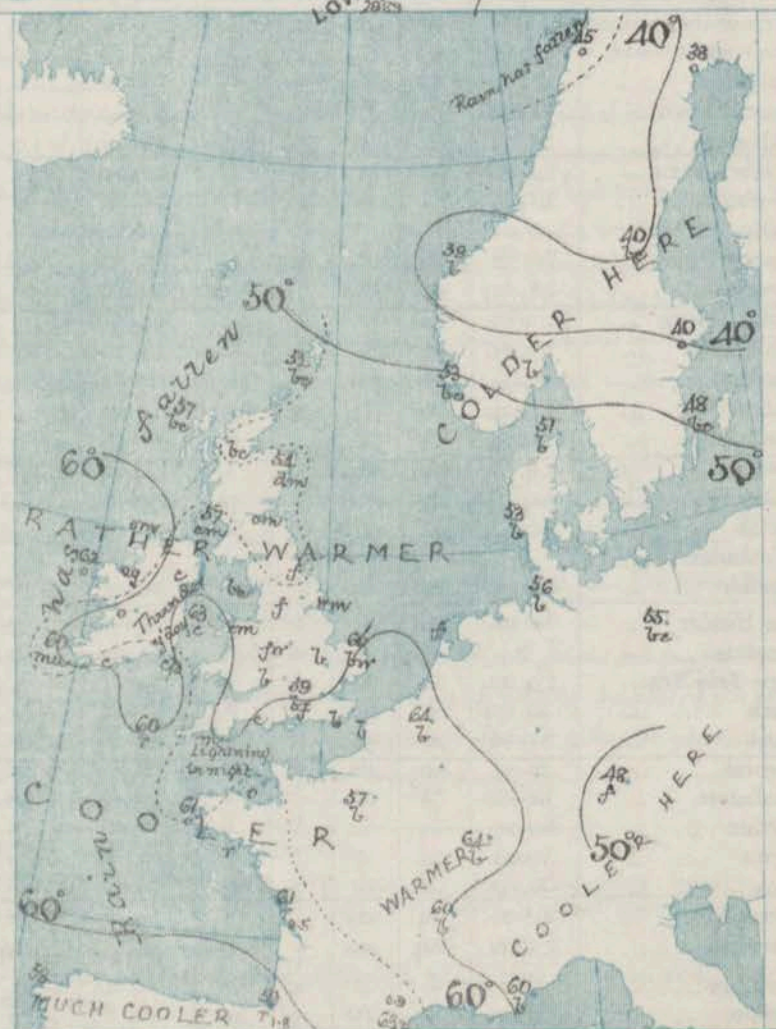
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## 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	49.5	41.6	45.9	44.4	4.33
Stornoway	50.2	38.8	45.1	43.9	4.94
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	42.5	2.38
Aberdeen	52.1	41.3	45.5	43.5	2.88
Leith	55.3	41.9	46.7	45.1	1.94
Shields	53.2	43.1	47.3	45.5	2.46
York	55.2	40.9	48.0	44.7	2.64
Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	53.2	43.2	47.8	46.8	3.35
Holyhead	54.9	47.5	50.4	48.6	4.53
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	6.09
Roche's Point	55.6	46.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.5	49.4	4.13
Scilly	56.8	50.7	53.9	52.0	3.84
Hurst Castle	57.7	46.8	51.5	50.5	3.24
Dover	56.2	47.8	51.5	49.4	3.28
LONDON	57.1	43.5	48.4	46.9	2.74
Oxford	55.7	42.9	47.0	45.8	2.72
Cambridge	57.0	41.6	46.6	45.7	2.36
Yarmouth	54.9	45.1	49.5	45.2	2.97

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1865—85.





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.3 ins. and upwards, in an anticyclone lying over Norway. Lowest, 29.5— and less off the south-west of Ireland. Shallow depressions lying respectively over the north-west and south of France.
TEMPERATURE	Highest, 64° at Dungeness, Bournemouth and Belfort, and 63° at Holyhead and Jersey. Lowest, 38° at Haparanda and Christiansund, and 40° at Hernand and Stockholm. During yesterday the thermometer rose to 77° at Loughborough and to 80° at Cambridge and in London.
WIND	SW <sup>ly</sup> or W <sup>ly</sup> over Spain and the Bay of Biscay and also in Sweden. SE <sup>ly</sup> or E <sup>ly</sup> elsewhere; light or moderate in force in most places, but strong at the Irish stations, with a gale at Valencia.
WEATHER	Rainy in the west of France and the south-west of England; dull in Ireland and the east of Scotland. Fair or fine elsewhere, but foggy at many of the English stations. Rain fell yesterday in the west and north of our Islands, thunder was heard at Holyhead, and lightning was seen at Newcastle.
SEA	Very high at Valencia and rather rough at Malin Head, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general distribution of pressure over Europe remains very similar to that of yesterday— an anticyclone still lying over Norway, and a low pressure system off the south-west of Ireland. In the course of the night, however, a subsidiary depression has advanced to the north-west of France, and in the rear of this i.e. over Spain and the Bay of Biscay the barometer appears to be rising steadily.

The low pressure system in the west seems likely to move northwards, and some increase of wind is probable on the Scotch coast.

The subsidiary disturbance is also likely to advance northwards and occasion unsettled, thundery, weather in many parts of England.

The general indication seems to point to a change in the distribution of pressure, but this will probably be gradual.

## FORECASTS

For the 24 hours ending at NOON on 6<sup>th</sup> OCTOBER 1886.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	SE <sup>ly</sup> and S <sup>ly</sup> winds, freshening; cloudy, rain locally.
1	SCOTLAND EAST	— D° — D° — D° —
2	ENGLAND N.E.	E <sup>ly</sup> and SE <sup>ly</sup> winds, freshening; fine to dull and some rain.
3	ENGLAND EAST	— D° — D° — D° —
4	MIDLAND COUNTIES	Same as N° 5
5	ENGLAND SOUTH	SE <sup>ly</sup> and variable breezes, fine to dull and some rain— perhaps thunder.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	E <sup>ly</sup> to SE <sup>ly</sup> winds, moderate; fair to dull and some rain.
7	ENGLAND N.W.	— D° — D° — D° —
8	ENGLAND S.W.	SE <sup>ly</sup> and S <sup>ly</sup> winds, moderate; dull, some rain.
9	IRELAND NORTH	SE <sup>ly</sup> and S <sup>ly</sup> strong winds or gales; dull, some rain.
10	IRELAND SOUTH	— D° — D° — D° —

### WARNINGS

The south cone was hoisted last evening in districts 9 and 10.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.30	61	55	S 1	c	3	Holyhead ...	29.83	67	62	E 1	c	2
Sumburgh Head ...	30.19	54	53	E 1	b	2	Valencia ...	29.62	65	59	ESE 6	o	5
Stornoway ...	29.98	62	58	ESE 3	b	3	Scilly ...	...	...	...	...	...	...
Aberdeen ...	30.10	55	54	SE 1	o p m	1	Dungeness ...	29.95	69	65	E 1	b c	2
Shields ...	30.02	55	55	ESE 3	o	2	London ...	29.92	78	66	E 3	b c	2
Ardrossan ...	29.90	63	60	NE 4	c	2	Yarmouth ...	30.00	62	61	ESE 3	b	3
Malin Head ...	29.80	59	57	ESE 5	o	3	Jersey ...	29.81	68	65	ESE 3	c	3
Mullaghmore ...	29.77	61	59	ESE 5	o m	3	Rocheport ...	29.86	77	70	ESE 7	c	2
Belmullet ...	29.73	64	60	SSE 5	a	2							

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

(For condition at 8 am today see pp 2 and 3)

The Continental Reports have not yet arrived.

For the 24 hours ending 8 am OCT<sup>r</sup> 2<sup>nd</sup>

The reports for Friday morning showed that pressure was highest 30.1 ins. and upwards over Northern Italy and the Tyrol, and relatively high 29.9 ins. and upwards over the whole of Central and a greater part of Northern Europe. The lowest pressures 29.3 ins. and less were found to the north-westward of our Islands, but a well defined depression with readings below 29.6 ins. had appeared over the Bay of Biscay. The wind was light and variable over Central Europe, and NW<sup>2</sup> on the Eastern shores of the Baltic, but in our Islands and France it varied between SE and S.; on our extreme western coast it blew freshly, or strongly, and in the west of France there was a moderate gale. Rain was general in the west of England and showers were reported at some of the Continental stations, but elsewhere the weather was fair. Temperature had risen a little over Northern Europe, and also in France Spain and Italy, but fallen elsewhere, readings ranged from a little above 70° on the shores of the Mediterranean to a few degrees below 40° over Northern Europe, but its distribution in the intervening regions was somewhat irregular. The highest individual readings were 80° at L'Isle, 75° at Palma, and 73° at Palermo; the lowest 34° at Uleaborg, 36° at Haparanda and 42° at Stockholm. In the course of the day the depression over the Bay of Biscay travelled NE<sup>rd</sup> to the south of England, and occasioned thunderstorms in many places. Before the weather broke up, however, a rapid rise of temperature took place, the thermometer rising to 78° in London and to 80° at Cambridge.

### 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. ngly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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# DAILY WEATHER REPORT.

for Wednesday 6<sup>TH</sup> OCTOBER

1886.

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 55° 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 P. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
		In.	°				In.	In.	°	°	°						°	°	In.
Haparanda ..		29.99	36	Z	0	c	30.09	+ .26	35	33	- 3	Z	0	b	+	48	32	-	
Hernösand ...		30.14	43	NW	2	b	30.20	+ .06	40	37	0	Z	0	b	+	50	37	-	
Stockholm ...		30.16	42	NNE	2	bc	30.19	- .05	37	34	- 3	NNW	2	b	+	50	32	-	
Wisby ...		30.08	52	NW	4	b	30.10	- .11	45	42	- 3	NNE	4	b	+	54	41	-	
Bodö ...		30.12	45	WNW	6	c	30.15	+ .13	46	43	+ 1	WSW	4	c	2	46	45	0.04	
Christiansund...		30.23	45	ENE	1	b	30.15	- .17	45	43	+ 7	E	3	b	3	32	?	-	
Skudesnaes ...		30.15	51	Z	0	bc	30.08	- .21	55	50	+ 2	E	2	c	2	66	50	-	
Christiania Fjord (Fjorder)		30.23	52	SW	2	b	30.21	- .12	43	42	- 5	NNW	2	f	1	54	43	-	
Skagen (The Sound)		30.21	50	SSE	1	b	30.17	- .15	50	46	- 1	SE	1	b	1	54	46	-	
Fanö ...		30.06	52	ESE	4	b	30.06	- .12	51	50	- 2	ESE	4	b	+	63	50	-	
Sumburgh Head		30.03	51	ESE	1	bc	29.88	- .29	52	52	0	SE	4	o	4	55	50	-	
Stornoway ...		29.77	59	ESE	5	bc	29.75	- .13	56	55	- 1	SEW	1	m	1	66	52	-	
Wick ...		29.92	54	SE	4	o	29.80	- .22	53	53	0	SE	3	f	0	54	52	0.01	
Nairn ...		29.84	57	E	2	c	29.77	- .18	52	52	- 6	Z	0	c	1	66	46	-	
Aberdeen...		29.93	54	SE	1	md	29.82	- .21	55	54	+ 1	SE	1	m	2	55	52	0.10	
Leith ...		29.84	56	SE	1	o	29.80	- .14	54	54	- 1	SE	1	om	+	57	53	-	
Shields ...		29.84	54	E	2	pd	29.81	- .15	54	54	0	Z	0	f	2	55	52	0.02	
Spurn Head ...		29.78	59	ESE	4	bc	29.78	- .12	55	55	- 4	NNW	1	fw	4	59	53	-	
York ...		29.82	59	ENE	1	o	29.78	- .14	56	56	- 3	Z	0	f	+	60	54	-	
Loughborough		29.74	68	E	1	bc	29.80	- .08	57	56	+ 1	Z	0	rgm	+	77	55	0.03	
Ardrossan ...		29.75	57	NE	4	bm	29.78	- .07	56	55	- 1	SSW	1	om	0	64	54	-	
Malin Head ...		29.67	60	SE	3	om	29.77	+ .09	55	54	- 6	WNW	2	o	1	64	54	0.29	
Mullaghmore ...		29.62	61	SE	5	om	29.77	+ .14	54	52	- 7	Z	0	b	1	65	48	0.05	
Belmullet ...		29.61	59	SSE	5	o	29.76	+ .21	54	52	- 8	SE	1	bw	+	64	50	0.01	
Donaghadee ...		29.73	58	SSW	2	c	29.78	0.00	56	56	- 2	SSW	2	f	0	62	50	0.36	
Barrow-in-Furness		29.72	63	E	2	b	29.79	- .05	57	56	- 3	WSW	2	r	+	68	57	0.03	
Liverpool (Bidston)		29.70	65	E	3	o	29.79	- .04	57	56	- 3	Z	0	o	2	72	56	0.10	
Holyhead ...		29.73	57	WSW	1	op	29.79	+ .03	56	55	- 7	SSW	1	em	2	71	55	0.34	
Parsonstown ...		29.64	60	SSE	1	c	29.79	+ .16	43	42	- 17	Z	0	f	+	66	42	-	
Valencia ...		29.68	58	S	2	b	29.69	+ .22	57	55	- 3	E	3	bc	2	62	51	-	
Roche's Point...		29.70	58	WSW	3	bc	29.73	+ .13	58	56	- 2	ESE	4	bw	4	63	57	-	
Pembroke ...		29.73	58	SSE	3	r	29.79	+ .04	55	55	- 5	ENE	1	c	1	60	54	0.25	
Scilly ...		29.80	57	WSW	2	c	29.82	+ .04	58	57	- 2	SE	1	c	3	60	54	0.63	
Prawle Point ...		29.83	59	SW	3	c	29.85	+ .06	60	59	- 3	SSW	3	b	3	63	56	0.96	
Jersey ...		29.83	59	SW	3	c	29.85	+ .06	60	59	- 3	SSW	3	b	3	63	56	0.96	
Hurst Castle ...		29.78	60	W	4	c	29.83	+ .02	57	57	- 5	W	1	c	1	69	56	0.15	
Dungeness ...		29.77	65	SW	4	c	29.76	- .10	58	57	- 6	NW	3	r	2	69	57	0.09	
London ...		29.78	68	SE	1	bc	29.79	- .04	56	55	- 3	SSW	1	org	+	79	55	0.11	
Oxford ...		29.77	60	E	1	o	29.80	- .04	55	55	- 4	WSW	1	r	+	76	54	0.08	
Cambridge ...		29.78	66	E	1	b	29.79	- .07	56	56	- 2	Z	0	o	+	80	52	0.02	
Yarmouth ...		29.82	62	ESE	4	b	29.77	- .12	59	58	- 1	Z	0	bf	3	63	58	-	
Cuxhaven ...		30.08	59	ESE	4	b	30.04	- .12	54	52	- 2	ESE	5	b	+	62	50	-	
Berlin ...		30.13	57	E	2	b	30.09	- .12	48	45	- 7	ENE	3	b	+	66	45	-	
Wiesbaden ...		+	+	+	+	+	29.97	+	57	56	+	Z	0	o	+	72	54	-	
Munich ...		30.02	51	Z	0	f	30.05	- .07	55	53	+ 7	SW	5	o	+	57	48	-	
The Helder ...		29.89	63	ESE	3	b	29.85	- .14	59	57	+ 3	ESE	3	b	1	66	55	-	
Brussels ...		+	+	+	+	+	29.86	- .11	61	60	- 3	SSW	3	bc	+	77	60	-	
Cape Gris Nez...		29.77	74	Z	0	b	29.78	- .05	60	59	- 1	SSE	1	o	1	79	59	0.12	
Paris ...		29.86	63	WSW	1	bc	29.95	+ .06	55	53	- 2	WSW	3	bc	+	77	55	0.20	
Brest ...		29.84	60	SW	3	o	29.78	0.00	60	58	- 1	SSE	5	r	5	61	59	-	
Lorient ...		29.89	62	W	5	c	29.85	+ .09	63	59	+ 3	S	7	c	4	72	54	0.12	
Rochefort ...		29.99	62	W	5	o	29.99	+ .10	56	55	- 5	SE	7	bc	2	73	52	0.24	
Belfort ...		29.93	69	E	3	b	30.05	+ .04	57	56	- 7	S	1	o	+	75	54	0.04	
Lyons ...		29.92	63	S	5	r	30.07	+ .10	52	49	- 8	WNW	1	b	+	78	50	-	
Nice...		30.03	66	ENE	4	r	29.97	+ .10	60	60	0	E	1	f	2	75	58	1.14	
Perpignan ...		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Biarritz ...		30.01	63	SSE	4	b	29.94	+ .03	63	53	+ 4	S	4	c	1	68	57	0.35	
Coruuna ...		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lisbon ...		30.08	65	SSW	5	c	30.05	- .02	61	60	- 1	SW	3	c	5	68	61	1.45	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Wednesday, 6<sup>th</sup> OCTOBER

1886.

## 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.

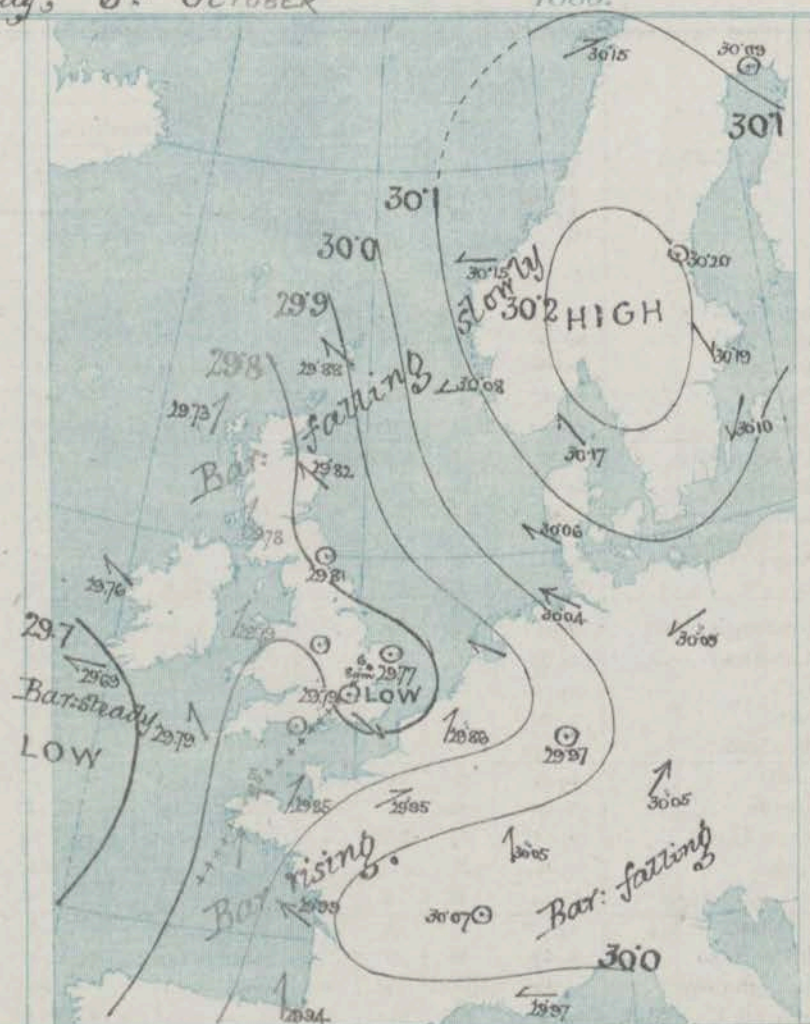
**Sea Disturbance** — where considerable is shown thus

▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.685
Stornoway	29.707
Wick	29.718
Nairn	29.738
Aberdeen	29.748
Leith	29.780
Shields	29.821
York	29.860
Ardrossan	29.749
Donaghadee	29.805
Holyhead	29.830
Liverpool	29.848
Valencia	29.842
Roche's Point	29.843
Pembroke	29.847
Scilly	29.877
Hurst Castle	29.894
Dover	29.907
LONDON	29.902
Oxford	29.891
Cambridge	29.894
Yarmouth	29.889



## 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.

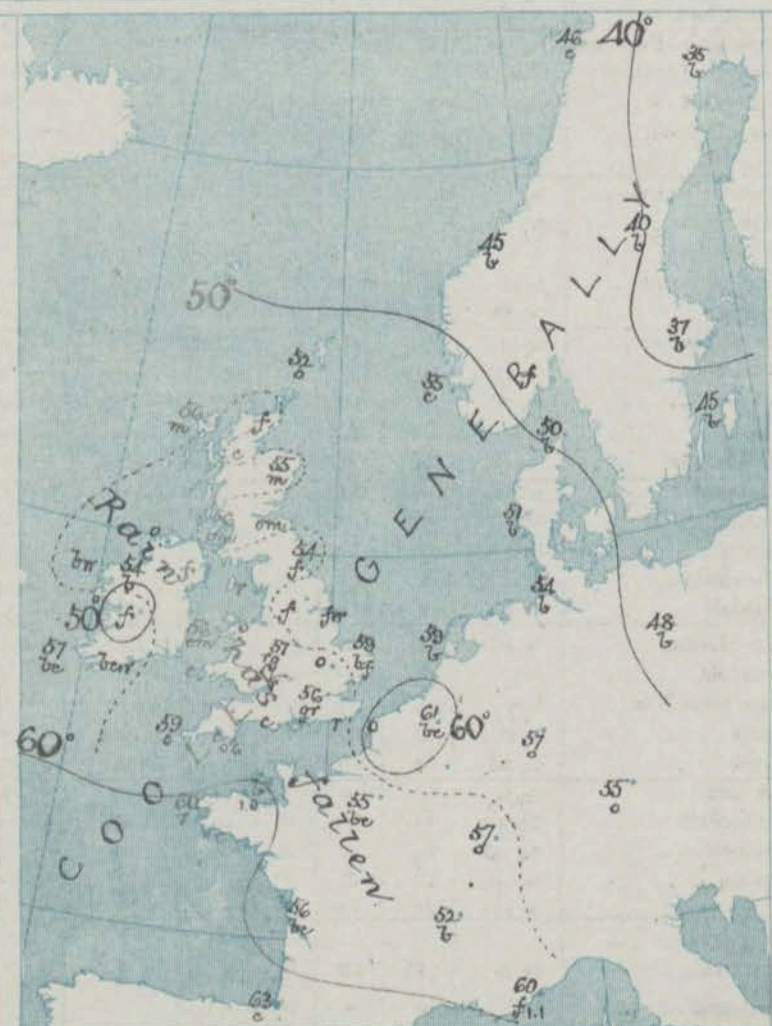
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## 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	49.5	41.6	45.9	44.4	4.33
Stornoway	50.2	38.8	45.1	43.9	4.94
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	42.5	2.38
Aberdeen	52.1	41.3	45.5	43.5	2.88
Leith	55.3	41.9	46.7	45.1	1.94
Shields	53.2	43.1	47.3	45.5	2.46
York	55.2	40.9	48.0	44.7	2.64
Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	53.2	43.2	47.8	46.8	3.35
Holyhead	54.9	47.5	50.4	48.6	4.53
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	6.09
Roche's Point	55.6	46.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.5	49.4	4.13
Scilly	56.8	50.7	53.9	52.0	3.84
Hurst Castle	57.7	46.8	51.5	50.5	3.24
Dover	56.2	47.8	51.5	49.4	3.28
LONDON	57.1	43.5	48.4	46.9	2.74
Oxford	55.7	42.9	47.0	45.8	2.72
Cambridge	57.0	41.6	46.6	45.7	2.36
Yarmouth	54.9	45.1	49.5	48.2	2.97

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 ins and upwards in an anticyclone lying over Scandinavia.  
Lowest, 29.7 ins and less off our extreme south-western coasts, but relatively low (29.8 ins and less) over the east of England.

## TEMPERATURE

Highest, 63° at Lorient and Biarritz, 61° at Brussels and Lisbon and 60° at Jersey.  
Lowest, 35° at Haparanda, 57° at Stockholm and 43° at Parsonstown.  
A fall of temperature has taken place generally.

## WIND

Variable in the north and east of England, light S.W. or W. over the eastern part of the Channel and our extreme north-west coasts.  
Light or moderate from the S.E. in most other localities.

## WEATHER

Misty or foggy in the north and east of our islands and rainy at some of the English stations.  
Fair or fine elsewhere.  
In the west of Ireland cirrus cloud is moving at a moderate rate from the south-eastward.

## SEA

Moderate to smooth

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone recently noticed over Norway appears to be moving slowly to the eastward.

The shallow depression which lay over the north-west of France yesterday has advanced to the east of England and will probably continue to move in a north-easterly or possibly in a northerly direction.

At Valencia, however, the rise of the barometer which took place during the latter part of yesterday has ceased, while the wind on our south-western coast has backed to S.E. or E. From these indications it would appear that a new disturbance is advancing from the south-westward; but at present the system is too distant to enable us to judge of its size or depth.

## FORECASTS

For the 24 hours ending at NOON on 7<sup>th</sup> October 1886.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	SE <sup>ly</sup> winds, light or moderate; dull, some mist and rain.
1	SCOTLAND EAST	..... D° ..... D°
2	ENGLAND N.E.	Variable breezes finally SE <sup>ly</sup> ; changeable, rainy to fair.
3	ENGLAND EAST	..... D° ..... D°
4	MIDLAND COUNTIES	..... D° ..... D°
5	ENGLAND SOUTH	SW <sup>ly</sup> to SE <sup>ly</sup> winds, light or moderate; changeable, some rain.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	SW <sup>ly</sup> to SE <sup>ly</sup> winds, light or moderate, fair to dull and some rain.
7	ENGLAND N.W.	..... D° ..... D°
8	ENGLAND S.W.	E <sup>ly</sup> winds, freshening, fair to dull and some rain.
9	IRELAND NORTH	Same as N° 6.
10	IRELAND SOUTH	Same as N° 8.
WARNINGS		The S. cone was lowered yesterday in districts 9 and 10.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.21	66	54	Z 0	bc	2	Holyhead ...	29.74	63	61	SW 3	ot	2
Sumburgh Head ...	30.08	54	32	E 2	bc	3	Valencia ...	29.63	61	58	SSW 6	o	6
Stornoway ...	29.80	66	62	ESE 5	b	4	Scilly ...						
Aberdeen ...	29.97	54	54	SE 2	d	1	Dungeness ...	29.79	68	65	ESE 2	b	1
Shields ...	29.89	54	54	E 1	f	2	London ...	29.76	76	67	SE 3	b	+
Ardrossan ...	29.77	64	61	NE 4	b	2	Yarmouth ...	29.84	63	61	ESE 2	b	3
Malin Head ...	29.65	63	62	S 5	o	3	Jersey ...	29.79	58	58	WNW 3	o	2
Mullaghmore ...	29.66	63	58	ESE 4	o	2	Rocheport ...	29.95	62	60	NTW 5	o	2
Belmullet ...	29.59	64	59	SSE 6	bc	+							

## GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

(For condition at 8 am to-day see pp 2 and 3)

The Continental Reports for yesterday showed that an anticyclone was lying over the greater part of Northern and Central Europe, the area of maximum pressure in which readings exceeded 30.2 ins: being found over Norway, the south of Sweden, and the southern part of the Baltic. The lowest pressures (29.5 ins. and under) were reported in a depression which lay off the south-west of Ireland. With these conditions variable airs prevailed over the northern and central countries of Europe, while in the west the wind was chiefly SE<sup>7</sup>, and in Ireland blew strongly. Over the Bay of Biscay, however, owing to a small shallow depression which lay over the northwest of France the wind was SW<sup>7</sup> or W<sup>7</sup>. The weather was rainy in the west and south of France, but fair or fine in almost all other localities. Temperature which had risen a little over all the more northern parts of Europe, but fallen in the south, ranged from between 70° and 75° on the shores of the Mediterranean and from about 60° over France and the south of our Islands to 40° and less in Finland and Northern Russia. The highest individual readings were 79° at Cagliari and 75° at Algiers, the lowest 35° at Moscow and Archangel, and 38° at Haparanda.

In the course of the day the depression over the northwest of France advanced to the south of England and occasioned rain at our extreme southern station. Over the more central parts of England, however, the weather remained fine, and temperature again rose to a very high level for the time of year, the highest readings being 80° at Cambridge, 79° in London and 77° at Loughborough.

## ATLANTIC TELEGRAM.

The Chief Signal Officer, at Washington U.S. reports that on the 4<sup>th</sup> Inst. in Lat: 42° N. Long 63° W. the barometer at 10 am fell to 29.2 ins: during a "whole gale" in which the wind shifted from S. to NW.

Remarks for the 24 hours ending 8 am. OCT<sup>r</sup> 5<sup>th</sup>

The Continental reports for Monday morning showed that while an anticyclone lay over the Black Sea and the neighbouring provinces relatively high readings were reported over the whole of Eastern, Central and Northern Europe. In the west, however, the barometer declined to 29.7 ins: or less in a low pressure system, the centre of which lay to the SW<sup>7</sup> of Ireland. SE<sup>7</sup> breezes consequently prevailed over Western Europe, and in Ireland they blew strongly, but elsewhere the wind was light and somewhat variable. The weather was rainy in the north of England, but fair or fine in most <sup>other</sup> localities. Temperature had fallen somewhat in the countries embraced by the high pressure system, but over England, Ireland and the west of France a decided rise had occurred; readings ranged from 70° or above on the shores of the Mediterranean to 40° or less over Russia and the north of Scandinavia. The highest individual readings were 79° at Cagliari, 77° at Palma, and 76° at Bilbao and Malta, the lowest 34° at Charkov, 36° at Haparanda and 40° at Rode.

In the course of the day very little change took place in the distribution of pressure, but under the influence of fine weather the thermometers over England rose quickly. At Loughborough the maximum was as high as 77°, while at Cambridge and in London it reached 80°.

## 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 7<sup>th</sup> October

1886.

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.		
		Inch.	°				Inch.	Inch.	°	°	°					°	°	Inch.	
SCANDINAVIA.	Haparanda ..	30.23	37	Z	0	0	30.21	+12	41	40	+6	Z	0	b	%	46	28	-	
	Hernösand ...	30.26	34	Z	0	b	30.29	+09	31	30	-9	Z	0	b	%	55	?	-	
	Stockholm ...	30.21	42	E/NE	2	b	30.18	-01	35	34	-2	Z	0	f	%	50	32	-	
	Wisby ...	30.12	40	E	4	b	30.17	+07	46	43	+1	E	4	0	%	52	39	-	
	Bodö ...	30.18	43	ESE	2	b	30.10	-05	40	37	-6	ESE	2	b	1	46	39	-	
	Christiansund...	30.06	46	E	1	b	30.06	-09	44	40	-1	Z	0	b	1	54	39	-	
	Skudeaunes ...	30.05	55	ESE	2	bc	30.03	-05	54	47	-1	SE	4	c	3	66	?	-	
	Christiania Fjord (Fierder)	30.16	49	NW	2	b	30.21	+00	43	41	0	E/NE	2	b	1	50	43	-	
	Skagen (The Scaw)	30.13	50	E	1	b	30.16	-01	50	48	0	SE	3	bc	2	54	48	-	
	Fanö ...	30.01	50	ESE	5	b	30.01	-05	49	47	-2	E	5	b	%	61	48	-	
BRITISH ISLANDS.	Sumburgh Head	29.86	52	SE	1	f	29.88	-05	51	50	-1	SE	4	0	5	53	50	0.01	
	Stornoway ...	29.80	55	NE	3	om	29.63	-10	54	54	-2	Z	0	om	0	60	51	0.13	
	Wick ...	29.80	54	SE	1	f	29.69	-11	54	54	+1	SE	3	f	0	54	52	0.02	
	Nairn ...	29.78	55	Z	0	m	29.66	-11	50	50	-2	8	1	c	2	60	50	0.12	
	Aberdeen...	29.80	54	Z	0	f	29.72	-10	54	54	+2	8	1	f	1	56	53	0.08	
	Leith ...	29.72	56	SE	1	0	29.74	-06	55	53	+1	W	2	e	2	57	52	0.16	
	Shields ...	29.72	54	N	1	f	29.79	-02	51	50	+3	8	2	m	2	55	50	0.06	
	Spurn Head ...	29.73	57	SW	2	0	29.84	+06	56	55	+1	ESE	3	c	3	59	52	0.28	
	York ...	29.70	59	E	1	0	29.83	+05	52	52	-4	E	1	f	%	60	48	0.95	
	Loughborough	29.79	56	WSW	2	c	29.83	+03	55	54	-2	SE	2	ogm	%	58	48	0.23	
GERMANY.	Ardrossan ...	29.74	57	Z	0	dm	29.75	-03	54	52	-2	W	3	c	2	58	53	0.25	
	Malin Head ...	29.77	54	NE	3	0	29.75	-02	52	52	-3	8	2	c	2	58	51	0.02	
	Mullaghmore ...	29.76	55	NW	2	c	29.75	-02	52	51	-2	E	1	bcw	1	60	50	-	
	Belmullet ...	29.78	54	NE	2	b	29.76	-00	48	47	-6	E	1	bw	%	62	45	-	
	Donaghadee ...	29.76	56	NE	2	n	29.77	-01	52	51	-4	SE	2	c	0	57	45	0.30	
	Barrow-in-Furness	29.74	55	NW	2	n	29.78	-01	54	53	-3	NE	2	0	%	58	51	0.29	
	Liverpool (Bidston)	29.77	54	W	1	0	29.78	-01	55	54	-2	SE	2	om	2	58	51	0.28	
	Holyhead ...	29.77	55	Z	0	c	29.76	-03	54	54	-2	Z	0	m	0	59	51	0.05	
	Parsonstown ...	29.75	58	Z	0	bc	29.75	-04	47	46	+4	Z	0	0	%	62	42	-	
	Valencia ...	29.67	59	E/NE	2	0	29.72	+03	55	55	-1	Z	0	0	1	65	53	0.01	
FRANCE & NETHERLANDS.	Roche's Point...	29.70	58	ESE	5	0	29.70	-03	56	54	-2	ESE	2	bc	4	63	53	0.48	
	Pembroke ...	29.74	58	ESE	2	c	29.74	-05	57	57	+2	ESE	2	cp	2	62	54	0.46	
	Scilly ...	29.76	57	SSW	2	c	29.75	-07	58	57	0	SE	2	bc	3	62	55	0.03	
	Prawle Point ...	29.81	61	SSW	3	og	29.77	-08	59	57	-1	ESE	3	c	3	66	56	0.03	
	Jersey ...	29.81	60	SE	3	c	29.79	-04	57	57	0	SE	1	n	0	66	55	0.85	
	Hurst Castle ...	29.84	60	WSW	3	b	29.83	+07	59	57	+1	8	3	n	2	64	46	0.02	
	Dungeness ...	29.84	59	SW	2	b	29.83	+04	57	56	+1	SE	1	ang	%	65	54	0.14	
	London ...	29.83	56	SW	2	c	29.82	+02	55	54	0	SE	1	og	%	60	55	0.18	
	Oxford ...	29.82	53	SW	1	b	29.85	+06	57	56	+1	SE	1	0	%	60	49	0.01	
	Cambridge ...	29.82	59	WSW	3	bc	29.87	+10	59	58	0	ESE	3	bcw	3	63	55	-	
PENIN-SULA.	Yarmouth ...	29.82	59	ESE	3	b	29.97	-07	54	51	0	ESE	4	0	%	60	50	-	
	Cuxhaven ...	29.99	55	E/NE	2	b	30.06	-03	45	40	-3	E	2	c	%	64	45	-	
	Berlin ...	30.03	55	E/NE	2	b	30.06	-03	45	40	-3	E	2	c	%	64	45	-	
	Wiesbaden ...	30.02	56	Z	0	0	29.99	-06	54	54	-1	SE	3	c	%	?	50	0.04	
	Munich ...	29.89	60	SSW	3	c	29.95	+10	54	53	-5	ESE	1	bc	1	64	50	-	
	The Helder ...	29.83	59	SSW	4	b	29.82	+04	56	54	-4	ESE	3	0	1	64	55	-	
	Brussels ...	29.95	56	S	1	bc	29.88	-07	56	56	+1	8	3	0	%	67	54	0.12	
	Cape Gris Nez...	29.77	60	ESE	3	0	29.68	-10	57	56	-3	?SSW	5	0	5	63	57	0.39	
	Brest ...	29.82	62	SW	5	0	29.76	-09	59	58	-4	8	5	bc	4	66	54	0.12	
	Lorient ...	29.92	61	WSW	5	0	29.89	-10	57	55	+1	SW	5	n	2	68	55	1.42	
PENIN-SULA.	Rochefort ...	30.00	58	S	1	b	29.96	-09	54	53	-3	E	1	f	%	59	50	-	
	Belfort ...	29.97	60	ESE	1	b	29.91	-16	58	54	+6	SSW	3	n	%	69	?	-	
	Lyons ...	29.99	67	ESE	1	bc	29.97	-00	58	54	-2	ESE	1	0	1	72	54	-	
	Nice ...	29.93	63	Z	0	0	29.92	-01	57	56	-1	NW	3	bc	%	73	54	-	
	Perpignan ...	29.89	66	SE	8	0	29.89	-03	58	53	-5	8	4	b	2	68	55	-	
PENIN-SULA.	Biarritz ...	30.10	62	W	4	b	30.12	+07	60	58	-1	WSW	4	c	5	68	57	0.24	
	Corunna ...																		
	Lisbon ...																		

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Thursday, 7<sup>th</sup> October, 1886.

## 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

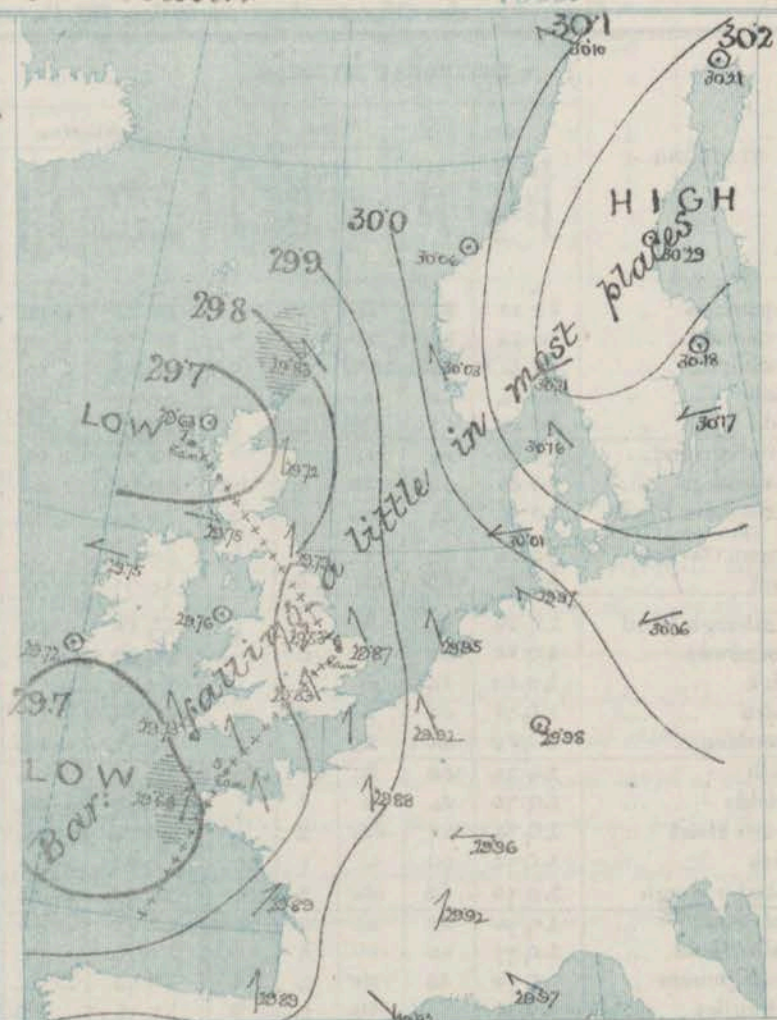
— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.685
Stornoway	29.707
Wick	29.718
Nairn	29.738
Aberdeen	29.748
Leith	29.780
Shields	29.821
York	29.860
Ardrossan	29.749
Donaghadee	29.805
Holyhead	29.830
Liverpool	29.848
Valencia	29.842
Roche's Point	29.843
Pembroke	29.847
Scilly	29.877
Hurst Castle	29.894
Dover	29.907
LONDON	29.902
Oxford	29.891
Cambridge	29.894
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.

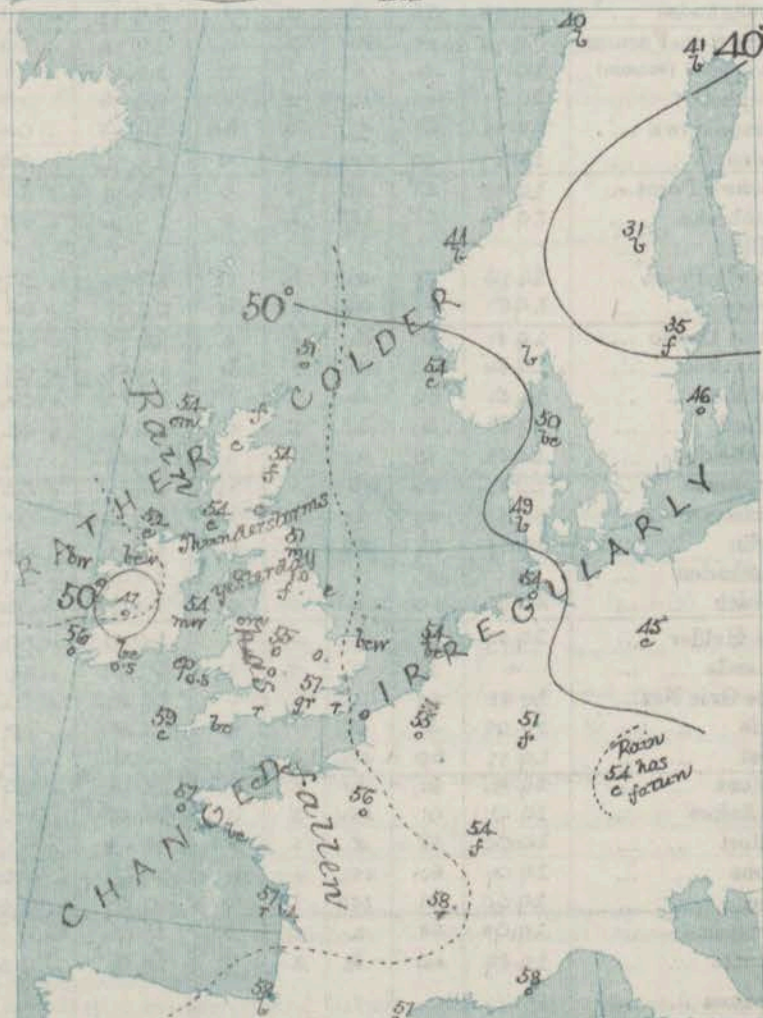
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of October.

STATIONS	TEMPERATURE.				RAINFALL (inches)
	Daily Max	Daily Min.	Average Dry.	Average Wet.	
Sumburgh Head	49.5	41.8	45.9	44.4	4.33
Stornoway	50.2	38.8	45.1	43.9	4.94
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	42.5	2.38
Aberdeen	52.1	41.3	45.5	43.5	2.88
Leith	55.8	41.9	46.7	45.1	1.94
Shields	53.2	43.1	47.3	45.5	2.46
York	55.2	40.9	46.0	44.7	2.64
Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	53.2	43.2	47.8	46.8	3.35
Holyhead	54.9	47.5	50.4	48.6	4.58
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	6.09
Roche's Point	55.6	40.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.5	49.4	4.13
Scilly	56.8	50.7	53.9	52.0	3.84
Hurst Castle	57.7	46.8	51.5	50.5	3.24
Dover	56.2	47.8	51.5	49.4	3.28
LONDON	57.1	43.5	48.4	46.9	2.74
Oxford	55.7	42.9	47.0	45.8	2.72
Cambridge	57.0	41.6	46.6	45.7	2.36
Yarmouth	54.9	45.1	49.5	48.2	2.97

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.2 ins. and upwards, in an anticyclone lying over Scandinavia, but relatively high (30.1 ins.) in Portugal. Lowest, 29.7--- and less, in shallow depressions lying respectively over the north of Scotland and our southwest coast.
TEMPERATURE	Highest, 60° at Lisbon, and 59° at Falmouth, Jersey and Bungeles. Lowest, 31° at Hennonsand, 40° at Bodö, 45° at Båhm and 47° at Perssonatorn.
WIND	Calm in Sweden, light W <sup>ly</sup> in the south of Scotland. Light to moderate from the SE <sup>ly</sup> in most other localities.
WEATHER	Raining in the south-east of England and some parts of France; foggy or misty on our N. and NE. coasts. Fair or fine elsewhere. Thunderstorms and heavy rain occurred yesterday over the northern parts of the United Kingdom.
SEA	Rather rough at Stornoway, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

An anticyclone is still lying over Scandinavia, and the barometer is rising slowly in Sweden, but pressure is relatively high over Spain and Portugal.

The small depression noticed over the East of England yesterday has moved northwards to Scotland, but a fresh, though equally shallow, disturbance has appeared off our extreme southwest coasts.

With the present distribution of pressure this depression should move slowly northwards, but the existence of a second high pressure area over Portugal is favourable for the development of small shallow disturbances over France and the south of England, and unsettled weather is therefore likely to continue generally.

## FORECASTS

for the 24 hours ending at NOON on 8<sup>th</sup> OCTOBER 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SE <sup>ly</sup> winds, light or moderate, dull, misty, some rain.	6 { SCOTLAND WEST	Variable or SE <sup>ly</sup> airs; dull, misty, some rain.
1 { SCOTLAND EAST	-----D°-----D°-----D°-----	7 { ENGLAND N. W.	-----D°-----D°-----D°-----
2 { ENGLAND N. E.	-----D°-----D°-----D°-----	8 { ENGLAND S. W.	SE <sup>ly</sup> winds, light or moderate; fair to unsettled and some rain.
3 { ENGLAND EAST	Same as No 5	9 { IRELAND NORTH	E <sup>ly</sup> and SE <sup>ly</sup> winds, moderate; fair generally.
4 { MIDLAND COUNTIES	Same as No 5	10 { IRELAND SOUTH	E <sup>ly</sup> winds, moderate; fair to unsettled and some rain.
5 { ENGLAND SOUTH	SE <sup>ly</sup> and S <sup>ly</sup> winds, moderate; changeable, some rain.	WARNINGS	None Issued.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Ses.		Bar.	Dry.	Wet.	Wind.	Wen.	Ses.		
Skudesnaes ...	30.04	59	54	20	0	6	3	Holyhead ...	29.79	57	56	20	0	0 m	0
Sumburgh Head	29.87	52	52	SE	3	f	4	Valencia ...	29.68	61	56	NE	3	0	3
Stornoway ...	29.77	59	57	SSW	3	cg	2	Scilly ...							
Aberdeen ...	29.81	55	55	SE	1	f	1	Dungeness ...	29.82	63	60	W	4	c	14
Shields ...	29.77	54	54	NNE	1	m	2	London ...	29.83	62	58	WSW	3	c	7
Ardrossan ...	29.78	58	57	NW	1	0	1	Yarmouth ...	29.76	62	61	S	3	cm	14
Malin Head ...	29.79	57	56	NW	2	c	1	Jersey ...	29.81	64	60	SSE	3	c	3
Mullaghmore ...	29.79	59	57	NW	1	6	1	Rocheport ...	29.95	66	61	SSE	5	0	2
Belmullet ...	29.79	60	55	N	1	b	7								

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

(For condition at 8am today see pp 2 and 3.)

The reports for yesterday morning showed that while a definite anticyclone lay over Scandinavia and the Baltic pressure was high over all but the western countries of Europe. The lowest readings were found in a large shallow depression lying to the southwestward of the British Islands, but over the east of England there was a small subsidiary disturbance. The wind was light from NW. or N. in Sweden, Finland, and Western Russia, and light from W. in Algeria, but elsewhere it was chiefly SE<sup>3</sup> or S<sup>3</sup>. Rain was falling at many of the English stations and also in the north of France, and fog or mist was very prevalent over Scotland and the north of England, but elsewhere the weather was fair. Temperature had risen a little over Southern Europe, but fallen elsewhere; readings ranged from 70° and upwards in Algeria and Southern Italy to 32° or less over Northern Russia. The highest individual readings were 75° at Algiers, 73° at Sfax, and 72° at Palermo: the lowest were 32° at Moscow, 33° at Kuopio, 35° at Haparanda and 37° at Stockholm.

In the course of the day no important change occurred in the distribution of pressure, but the shallow depression over the east of England moved slowly northwards and occasioned severe thunderstorms in several of the northern districts. The maximum temperatures over Central England varied from 60° to 65° and were from 15° to 20° lower than those of previous day.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Friday 8<sup>th</sup> October

1886.

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

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 3 <sup>rd</sup> P.M. and Sea Level.	Temp. in Shade.	WIND.			Weather.	BAROMETER.		SHADE TEMP.			WIND.			Sea (0 to 9.)	Weather.	SHADE TEMP.		Amount of Rainfall.
			Dir.	Force (0 to 12.)			Reading at 3 <sup>rd</sup> P.M. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)				Max.	Min.	
SCANDINAVIA.	Haparanda ...	30.06	41	E.N.E.	2	0	30.01	- .20	33	33	- 8	2	0	0	0	0	45	31	-
	Hernösand ...	30.16	40	S	2	6	30.15	- .14	31	30	- 0	2	0	0	0	0	50	27	-
	Stockholm ...	30.23	44	2	0	0	30.26	+ .08	47	45	+ 12	SSW	2	0	0	0	50	30	-
	Wisby ...	30.23	46	ESE	4	6c	30.23	+ .06	48	45	+ 2	2	4	0	0	0	52	37	-
	Bodö ...	30.03	47	E	2	0	30.04	- .06	47	41	+ 7	ESE	2	0	0	0	48	39	-
	Christiansund ...	30.06	44	2	0	6	30.10	+ .04	48	45	+ 4	ESE	1	0	0	0	57	39	-
	Skudesnaes ...	30.08	55	SE	4	0	30.11	+ .08	53	48	- 1	SE	4	0	0	0	59	?	-
	Christiana Fjord (Færder) ...	30.22	48	N.W.	2	6	30.23	+ .02	42	42	- 1	E.N.E.	2	0	0	0	48	41	-
	Skagen (The Seaw) ...	30.19	51	ESE	2	6	30.16	.00	52	49	+ 2	SE	3	0	0	0	54	50	-
	Fanö ...	30.07	48	E	5	6	30.02	+ .01	48	46	- 1	E	4	0	0	0	59	46	-
BRITISH ISLANDS.	Sumburgh Head ...	29.79	52	SE	4	0	29.92	+ .09	51	51	- 0	SE	2	0	0	0	53	47	0.01
	Stornoway ...	29.79	52	SW	1	6p	29.83	+ .20	50	50	- 4	2	0	0	0	0	58	44	0.01
	Wick ...	29.82	53	W	1	6c	29.87	+ .18	53	53	- 1	8	4	0	0	0	60	47	-
	Nairn ...	29.83	55	SSW	1	0	29.86	+ .20	51	51	+ 1	2	0	0	0	0	62	46	0.03
	Aberdeen ...	29.86	54	SSW	1	0	29.91	+ .19	53	53	- 1	8	1	0	0	0	59	52	0.02
	Leith ...	29.85	57	W	1	0	29.91	+ .17	55	53	- 0	SE	1	0	0	0	63	50	-
	Shields ...	29.87	54	ESE	2	6	29.93	+ .14	53	53	+ 2	2	0	0	0	0	57	50	-
	Spurn Head ...	29.86	58	SE	3	0	29.92	+ .08	58	57	+ 2	ESE	2	0	0	0	58	54	-
	York ...	29.86	58	E	1	0	29.93	+ .10	55	55	+ 3	SE	1	0	0	0	63	51	-
	Loughborough ...	29.83	57	SE	1	0	29.91	+ .08	56	56	+ 1	2	0	0	0	0	64	54	0.10
GERMANY.	Arrossau ...	29.83	56	E.N.E.	1	0m	29.88	+ .13	55	54	+ 1	E.N.E.	1	0	0	0	57	53	0.20
	Malin Head ...	29.81	53	E	2	0p	29.83	+ .08	51	51	- 1	3	3	0	0	0	56	49	0.01
	Mullaghmore ...	29.80	56	E.N.E.	2	0	29.85	+ .10	53	50	+ 1	SE	1	0	0	0	58	48	-
	Belmullet ...	29.81	54	N.E.	2	6	29.84	+ .08	52	51	+ 4	SE	4	0	0	0	61	47	-
	Donaghadee ...	29.82	56	SE	2	6c	29.89	+ .12	53	53	+ 1	SW	2	0	0	0	57	44	-
	Barrow-in-Furness ...	29.80	58	ESSE	3	n	29.90	+ .12	55	54	+ 1	E	2	0	0	0	60	53	0.16
	Liverpool (Bidston) ...	29.81	57	ESE	1	0	29.92	+ .14	55	53	- 0	WSW	1	0	0	0	64	53	0.13
	Holyhead ...	29.81	57	2	0	0	29.92	+ .16	54	54	- 0	2	0	0	0	0	61	52	-
	Parsonstown ...	29.81	53	2	0	6	29.92	+ .17	49	48	+ 2	2	0	0	0	0	60	39	-
	Valencia ...	29.81	56	WSW	1	0	29.89	+ .17	56	55	- 0	8	3	0	0	0	63	52	-
FRANCE & NETHERLANDS.	Roche's Point ...	29.80	58	SW	1	6	29.91	+ .21	56	55	- 0	W	1	0	0	0	65	50	-
	Pembroke ...	29.80	56	N.W.	2	6	29.95	+ .21	56	55	- 1	N.W.	1	0	0	0	61	52	0.02
	Scilly ...	29.80	57	E	2	6c	29.93	+ .18	55	54	- 3	N.W.	3	0	0	0	63	50	-
	Prawle Point ...	29.75	60	SE	3	6c	29.88	+ .11	58	56	- 1	N.E.	2	0	0	0	63	53	0.41
	Hurst Castle ...	29.78	60	SW	1	6c	29.92	+ .13	53	53	- 4	E.N.E.	1	0	0	0	64	50	-
	Dungeness ...	29.82	59	S	2	0	29.87	+ .04	60	58	+ 1	8	1	0	0	0	60	58	0.10
	London ...	29.82	57	SSW	1	0A	29.92	+ .09	55	55	- 2	2	0	0	0	0	62	53	0.15
	Oxford ...	29.82	57	SE	1	0	29.92	+ .10	56	55	+ 1	N.W.	1	0	0	0	61	55	-
	Cambridge ...	29.85	61	SE	1	n	29.93	+ .08	56	56	- 1	2	0	0	0	0	65	53	0.03
	Yarmouth ...	29.87	59	SSW	4	6c	29.89	+ .02	59	58	- 0	SE	2	0	0	0	61	57	-
PENIN- SULA.	Cuxhaven ...	30.00	53	ESE	4	6c	29.99	+ .02	51	49	- 3	ESE	4	0	0	0	59	49	-
	Berlin ...	30.06	51	E	2	0	30.05	- .01	49	44	+ 4	E	2	0	0	0	59	?	-
	Wiesbaden ...	30.01	57	E	2	0	30.01	+ .08	57	55	+ 6	2	0	0	0	0	63	?	0.39
	Munich ...	30.01	57	E	2	0	30.10	+ .11	54	51	- 0	W	3	0	0	0	63	50	-
	The Helder ...	29.75	58	3	4	0	29.88	+ .06	55	51	- 1	SSW	1	0	0	0	63	55	-
	Brussels ...	29.87	58	SSW	1	6c	29.93	+ .05	54	53	- 2	SE	3	0	0	0	64	58	0.20
	Cape Gris Nez ...	29.71	56	N.E.	1	n	29.93	+ .25	57	55	- 0	N.W.	4	0	0	0	63	52	0.51
	Lorient ...	29.69	59	3	3	6c	29.89	+ .13	57	55	- 2	N.W.	5	0	0	0	64	50	0.20
	Rochefort ...	29.85	60	SSW	9	n	29.93	+ .04	61	59	+ 4	W	9	0	0	0	63	54	0.98
	Belfort ...	29.96	56	W	1	0	30.06	+ .10	47	46	- 7	E	1	0	0	0	59	42	0.12
PENIN- SULA.	Lyons ...	29.96	56	S	1	6	30.06	+ .15	50	48	+ 8	SSW	1	0	0	0	61	48	0.08
	Nice ...	29.95	56	E.N.E.	4	0	30.06	+ .09	57	52	- 1	E	1	0	0	0	68	52	-
	Perpignan ...	29.95	60	2	0	0	30.06	+ .14	58	56	+ 1	SW	1	0	0	0	66	56	-
PENIN- SULA.	Biarritz ...	29.93	67	SSW	5	0	30.06	+ .17	64	58	+ 6	WSW	7	0	0	0	70	52	0.08
	Corunna ...	20.13	62	?	4	0	30.17	+ .05	57	53	- 3	N.E.	4	0	0	0	66	55	-

For Explanation of Columns, see p. 4.



# DAILY WEATHER REPORT

## WEATHER CHARTS

for 8 a.m. on *Friday, 8<sup>th</sup> OCTOBER.* 1886.

### 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.

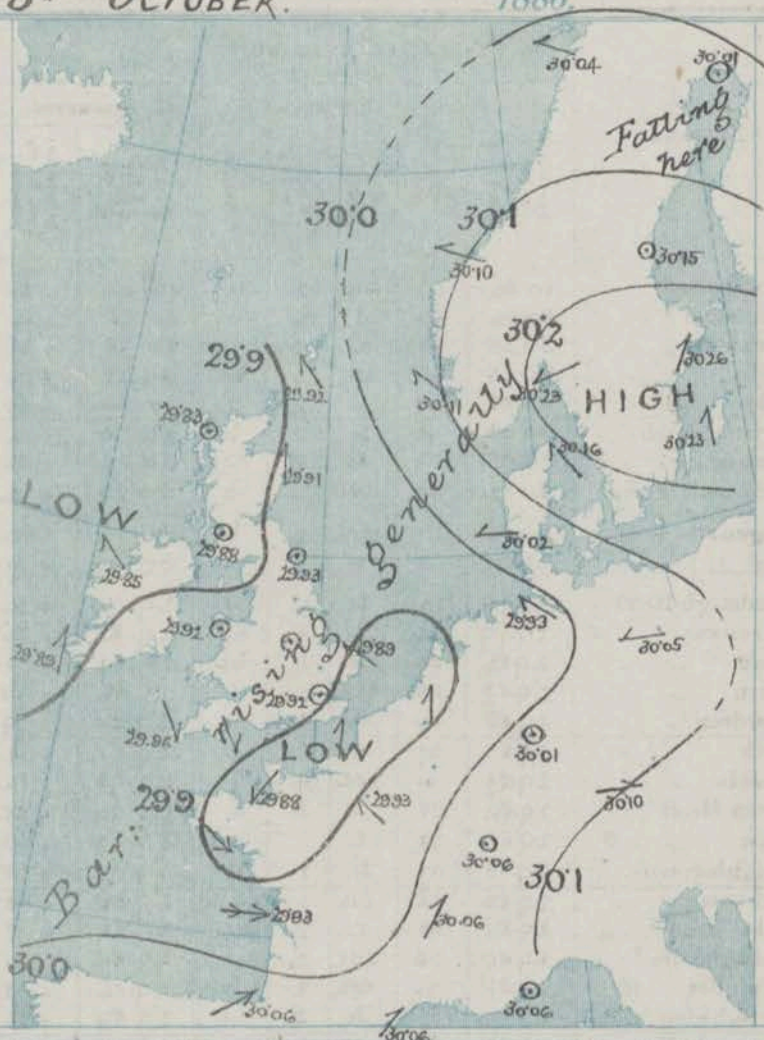
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

### MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.685
Stormoway	29.707
Wick	29.718
Nairn	29.739
Aberdeen	29.748
Leith	29.780
Shields	29.821
York	29.860
Ardrossan	29.749
Donaghadee	29.805
Holyhead	29.830
Liverpool	29.848
Valencia	29.842
Roche's Point	29.843
Pembroke	29.847
Scilly	29.877
Hurst Castle	29.894
Dover	29.907
LONDON	29.902
Oxford	29.891
Cambridge	29.894
Yarmouth	29.889



### 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.

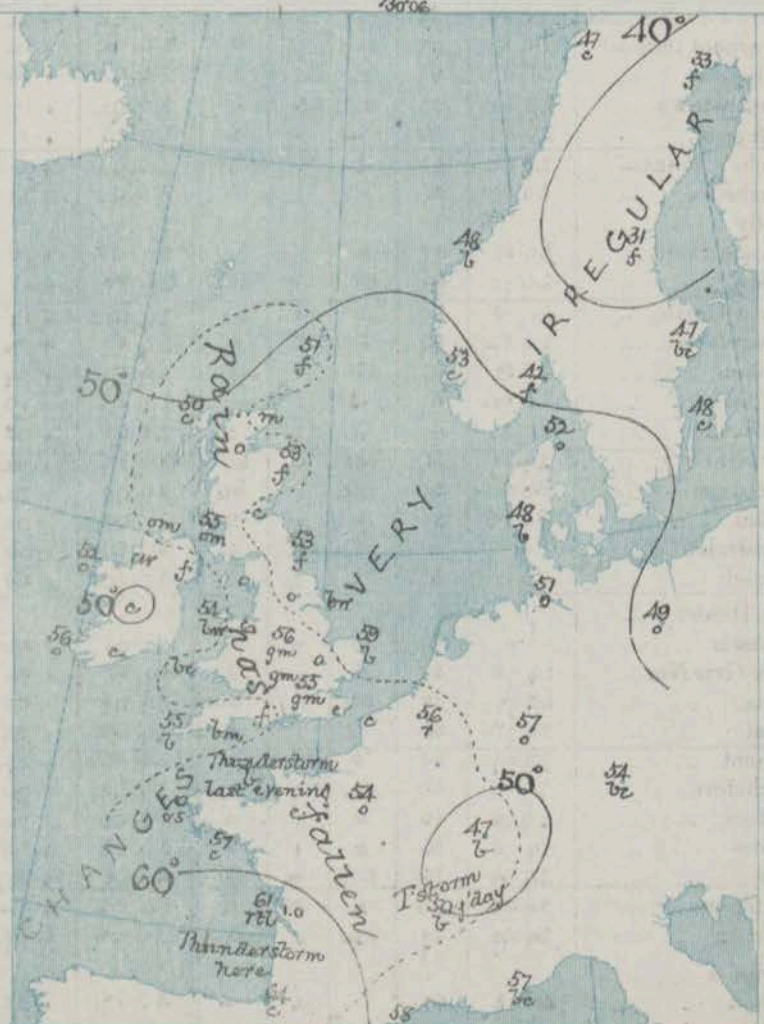
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

### 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	49.5	41.6	45.9	44.4	4.33
Stormoway	50.2	38.8	45.1	43.0	4.94
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.0	42.5	2.38
Aberdeen	52.1	41.3	45.5	43.5	2.88
Leith	55.3	41.9	46.7	45.1	1.94
Shields	53.2	43.1	47.3	45.5	2.46
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Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	53.2	43.2	47.8	46.3	3.35
Holyhead	54.9	47.5	50.4	48.6	4.53
Liverpool	54.0	44.9	48.4	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	6.09
Roche's Point	55.6	46.4	50.4	48.0	4.17
Pembroke	55.1	48.4	51.5	49.4	4.13
Scilly	56.8	50.7	53.3	52.0	3.84
Hurst Castle	57.7	46.8	51.5	50.5	3.24
Dover	56.2	47.8	51.5	49.4	3.28
LONDON	57.1	43.6	48.4	46.9	2.74
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Cambridge	57.0	41.6	46.6	45.7	2.36
Yarmouth	54.9	45.1	40.5	48.2	2.97

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 10 years 1878—86.





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.2 ins. and upwards in an anticyclone lying over the south of Sweden, but also high (30.1 ins. and upwards) over Spain. Lowest, 29.9 ins. and less over our extreme W. and N. coasts, and also in a depression lying over the N. of France and the SE. of our Islands.
TEMPERATURE	Highest, 64° at Biarritz and 60° at Dungeness. Lowest, 31° at Humberston, and 33° at Hapland; lowest reading over our Islands 49° at Kinsale.
WIND	Light NW <sup>2</sup> in the west of England; strong W <sup>2</sup> in the Bay of Biscay. Light or moderate from SE. or S. in most other localities, but calm over Central England.
WEATHER	Fine in the west of England, but varying greatly in other localities. Chiefly cloudy, however, with fog or mist in many places. Thunderstorms occurred yesterday over France and also at Jersey.
SEA	Moderate at Lumburgh Head and Rockport, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The small depression which lay over the north of Scotland yesterday has travelled away to the northward of our Islands, while the disturbance on our SW. coast has apparently moved eastwards to the north of France and the southeast of England.

The latter system will probably dispense gradually, but a slight fall of the barometer which has commenced at Hornsey, seems to indicate the approach of a fresh disturbance toward our north-west coast.

The existence of a second high pressure system over Spain renders conditions favourable for the formation of shallow depressions over France and the south-east of England.

## FORECASTS

for the 24 hours ending at NOON on 9<sup>th</sup> OCTOBER 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	S <sup>2</sup> winds, freshening; fair generally	6 { SCOTLAND WEST	E <sup>2</sup> and SE <sup>2</sup> winds, moderate; dull, misty, some rain.
1 { SCOTLAND EAST	-----D°-----D°-----D°-----	7 { ENGLAND N. W.	Variable breezes, finally SE <sup>2</sup> ; fair generally
2 { ENGLAND N. E.	SE <sup>2</sup> winds, light; fair generally.	8 { ENGLAND S. W.	-----D°-----D°-----D°-----
3 { ENGLAND EAST	-----D°-----D°-----D°-----	9 { IRELAND NORTH	S <sup>2</sup> winds, freshening; cloudy, some rain.
4 { MIDLAND COUNTIES	Same as No 5.	10 { IRELAND SOUTH	-----D°-----D°-----D°-----
5 { ENGLAND SOUTH	Light variable airs; dull, misty, rain locally.	WARNINGS	NONE ISSUED.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	30.05	59	51	SE 4	c	3	Holyhead ...	29.79	61	58	2s 0	0	0
Sumburgh Head ...	29.77	52	52	SE 4	m	2	Valencia ...	29.77	61	59	W 2	0	2
Stornoway ...	29.72	55	53	SE 4	e	3	Scilly ...						
Aberdeen ...	29.81	58	58	S 4	b	0	Dungeness ...	29.81	59	58	SE 3	1	3
Shields ...	29.85	56	55	SE 2	0	2	London ...	29.81	59	58	SE 2	0	2
Ardrossan ...	29.80	56	55	2s 0	0	0	Yarmouth ...	29.87	60	57	SE 4	cp	4
Malin Head ...	29.78	55	54	N 1	0	1	Jersey ...	29.75	62	59	SE 3	6c	3
Mullaghmore ...	29.78	57	54	N 2	c	2	Rocheport ...	29.89	57	56	W 4	t	2
Belmullet ...	29.79	58	55	N 2	c	2							

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

(For condition at 8 am today see pp 2 and 3)

The Continental Reports for yesterday showed that while pressure was highest (30.2 ins.) in Sweden, a large anticyclone, with readings above 30.1 ins. lay over the whole of Scandinavia, North Germany, and Eastern Russia. In addition to this a second high pressure system was reported over Portugal. The lowest readings, 29.7 ins. and under, were found in shallow depressions lying respectively over the north of Scotland and our south-west coasts. The wind was moderate from S. or SW. over the Bay of Biscay and the north of Spain, and light from W. in the south of Scotland, but elsewhere it was chiefly SE<sup>2</sup>. Rain was falling at several of the French stations and also in the south-east of England and fog or mist was very prevalent in the north of our Islands, but elsewhere the weather was mostly fair. Temperature had changed irregularly and readings ranged from 70° or above in Algeria and Southern Italy to 35° or less over the Baltic and Northern Russia. The highest individual readings were 75° at L'Isle and Palermo, 74° at Biarritz, and 73° at Malta; the lowest were 27° at Archangel, 30° at Kuopio, and 31° at Helsingfors and Moscow.

In the course of the day the depression over Scotland travelled away to the northward of our Islands, while the disturbances over our south-west coasts moved slowly eastwards. The latter change occasioned a continuance of wet weather in the extreme south-east of England.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Saturday 9<sup>th</sup> October 1886.

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 8 a.m. 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 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 ..	30.04	85	2	0	6	30.00	-01	39	39	+6	2	0	4	45	80	-													
	Hernösand ...	30.10	83	2	0	6	30.08	-07	30	29	-1	2	0	4	52	28	-													
	Stockholm ...	30.23	41	E	1	6	30.14	-12	44	42	-3	2	0	4	50	39	-													
	Wisby ...	30.20	41	E	4	6	30.06	-17	42	39	-6	ESE	2	4	55	39	-													
	Bodö ...	30.07	7	SEW	2	0	30.03	-01	47	46	0	ESE	2	0	1	52	46	-												
	Christiansund...	30.09	49	Z	0	c	30.04	-06	47	44	-1	SE	2	6	1	55	43	-												
	Skudesnaes ...	30.09	54	ESE	4	0	30.00	-11	50	46	-3	E	4	c	2	?	?	-												
	Christiania Fjord (Fjorder)	30.17	49	SE	4	6	30.07	-16	45	43	+3	E	4	0	2	?	?	-												
	Skagen (The Scaw)	30.12	52	ESE	2	6	29.99	-17	50	48	-2	ESE	2	0	1	55	48	-												
	Fanö ...	29.97	50	E	3	c	29.92	-10	50	50	+2	SSE	3	0	4	57	48	0.04												
BRITISH ISLANDS.	Sumburgh Head	29.91	51	SSE	2	f	29.82	-10	50	50	-1	SSE	3	m	4	52	48	-												
	Stornoway ...	29.81	54	SSW	5	c m	29.64	-19	52	51	+2	ESE	4	om	4	58	48	-												
	Wick ...	29.87	54	S	1	m	29.72	-15	51	50	-2	S	5	m	1	59	50	0.02												
	Nairn ...	29.86	54	Z	0	0	29.72	-14	49	48	-2	ESE	1	0	1	62	44	-												
	Aberdeen...	29.94	52	SSW	1	m	29.82	-09	50	50	-3	SSE	2	m	1	56	49	0.01												
	Leith ...	29.93	57	S	1	c	29.80	-11	44	43	-11	SE	1	bmur	4	62	39	-												
	Shields ...	29.95	55	SSE	2	bm	29.83	-10	52	51	-1	SE	2	0	2	59	48	-												
	Spurn Head ...	29.96	55	EHE	2	f	29.86	-06	56	55	-2	ESE	3	om	2	59	52	-												
	York ...	29.97	56	S	1	bc	29.86	-07	53	53	-2	SSE	1	f	4	62	51	-												
	Loughborough	29.96	57	Z	0	c	29.86	-05	52	52	-4	SSE	1	of	4	61	51	-												
GERMANY.	Ardrossan ...	29.93	54	W	1	om	29.72	-16	52	50	-3	E	3	om	2	57	38	-												
	Malin Head ...	29.83	53	S	3	om	29.51	-32	53	53	+2	SE	6	0	5	57	51	-												
	Mullaghmore ...	29.84	57	SSE	4	om	29.41	-44	57	54	+4	SE	8	c	6	59	52	-												
	Belmullet ...	29.81	57	S	5	0	29.28	-56	57	53	+5	SSE	10	0	4	58	52	-												
	Donaghadee ...	29.94	52	SW	3	0	29.67	-22	55	54	+2	SSW	6	09	4	59	51	-												
	Barrow-in-Furness	29.97	53	SW	1	6	29.81	-09	50	49	-5	SSE	2	6	2	59	49	-												
	Liverpool (Bidston)	29.98	55	W	1	6	29.79	-13	49	49	-6	ESE	2	f	3	59	48	0.01												
	Holyhead ...	29.97	53	SSW	1	em	29.74	-18	55	53	+1	SSE	4	6w	2	61	53	-												
	Parsonstown ...	29.91	56	Z	0	0	29.47	-45	56	52	+4	SE	6	0	4	60	48	-												
	Valencia ...	29.86	59	S	5	0	29.33	-56	66	56	-8	SE	8	omh	7	61	54	0.19												
FRANCE & NETHERLANDS.	Roche's Point...	29.94	57	SW	4	0	29.48	-43	57	55	+1	S	8	0	3	62	55	-												
	Pembroke ...	29.99	57	W	2	c	29.71	-24	56	55	0	SSE	6	c	5	60	55	-												
	Seilly ...	30.01	56	W	2	6	29.83	-10	56	54	+1	SSE	4	cu	4	67	50	-												
	Jersey ...	29.99	57	W	1	6	29.89	+01	57	56	-1	P	4	cmu	3	63	54	-												
	Hurst Castle ...	29.98	58	NNE	1	m	29.88	-04	55	55	+2	NNE	1	m	0	64	45	0.01												
	Dungeness ...	29.94	61	W	1	6	29.87	-00	59	59	-1	NNE	1	f	1	66	46	0.01												
	London ...	29.98	57	Z	0	om	29.89	-03	52	52	-3	Z	0	f	4	60	51	-												
	Oxford ...	30.00	52	Z	0	6	29.88	-04	48	48	-8	S	1	f	4	61	46	-												
	Cambridge ...	29.96	57	Z	0	bc	29.87	-06	53	53	-3	Z	0	f	4	63	50	-												
	Yarmouth ...	29.95	59	Z	0	c	29.90	+01	52	52	-7	Z	0	f	2	61	48	0.02												
PENIN-SULA.	Cuxhaven ...	30.00	49	SE	1	0	30.00	+01	54	54	+3	S	1	f	4	56	48	0.10												
	Berlin ...	30.06	49	ESE	1	0	30.06	+01	48	48	-1	Z	0	f	4	52	46	-												
	Wiesbaden ...	30.04	53	SE	1	c	30.04	+03	53	51	-4	SW	1	0	4	66	48	-												
	Munich ...	30.09	53	NE	1	c	30.09	-01	48	48	-6	Z	0	f	4	63	45	-												
	The Helder ...	29.97	57	SW	1	c	29.92	-05	53	53	-1	S	1	f	1	63	52	-												
	Brussels ...	29.97	58	Z	0	0	29.94	-03	55	54	-1	S	4	0	4	65	53	0.32												
	Cape Gris Nez...	29.97	58	Z	0	0	29.91	+03	55	55	0	SSE	1	m	0	66	54	-												
	Paris ...	29.95	55	SE	1	bc	29.98	+05	54	54	0	W	1	bc	4	62	50	0.08												
	Brest ...	30.06	57	N	3	bc	29.79	-14	60	55	+3	S	7	c	5	63	52	-												
	Lorient ...	30.04	62	W	5	bc	29.93	+04	60	56	+3	S	4	c	3	68	48	-												
PENIN-SULA.	Rocheport ...	30.09	63	W	8	bc	30.05	+12	57	57	-4	S	5	c	2	66	54	0.08												
	Belfort ...	30.08	59	W	1	c	30.05	-01	54	54	+7	S	1	bc	3	67	47	-												
	Lyons ...	30.05	59	S	8	bc	30.08	+02	57	51	+7	W	1	0	4	70	?	-												
	Nice ...	30.08	61	E	4	bc	30.06	-00	57	53	0	E	4	6	1	70	52	-												
PENIN-SULA.	Perpignan ...	30.12	61	Z	0	0	30.13	+07	52	52	-6	Z	0	6	4	75	50	0.04												
	Biarritz ...	30.16	63	W	5	n	30.01	-05	56	53	-3	ESE	5	6	3	66	54	0.51												
PENIN-SULA.	Corunna ...	30.12	64	W	4	0	29.79	-33	60	58	+3	S	4	0	2	68	55	-												
	Lisbon ...	30.12	64	W	4	0	29.79	-33	60	58	+3	S	4	0	2	68	55	-												

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on *Saturday, 9<sup>th</sup> OCTOBER, 1886.*

## 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.

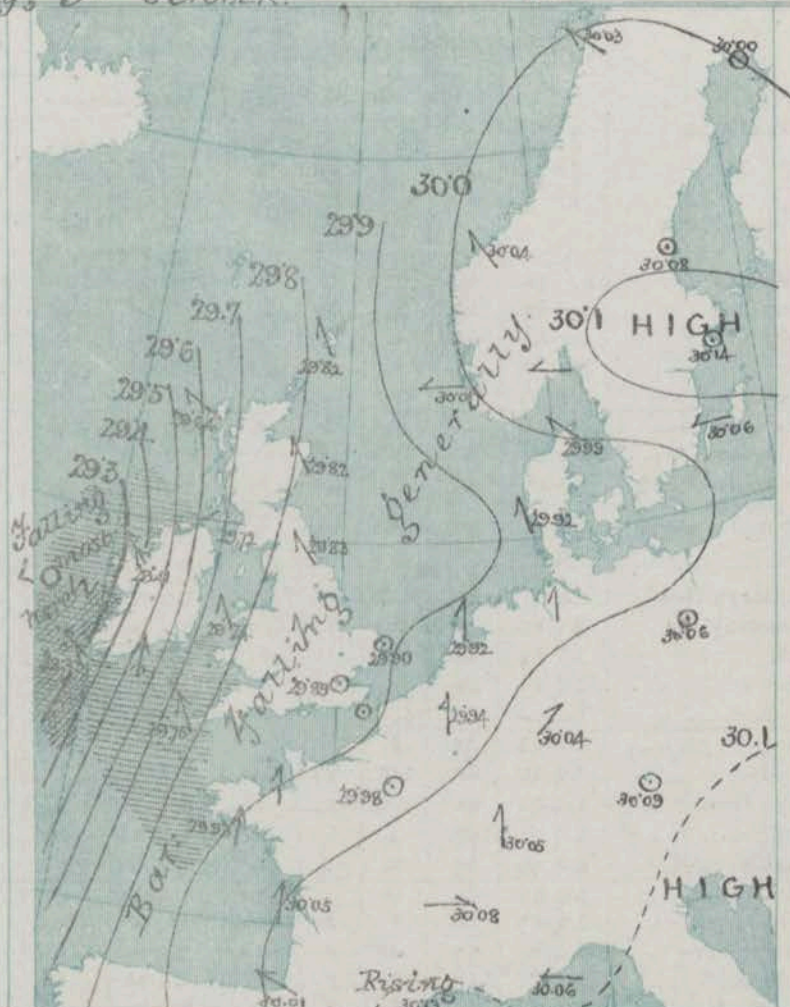
**Sea Disturbance** — where considerable is shown thus

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.685
Stornoway	29.707
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Donaghadee	29.805
Holyhead	29.830
Liverpool	29.848
Valencia	29.842
Rocha's Point	29.843
Pembroke	29.847
Scilly	29.877
Hurst Castle	29.894
Dover	29.907
LONDON	29.902
Oxford	29.891
Cambridge	29.894
Yarmouth	29.889



## 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.

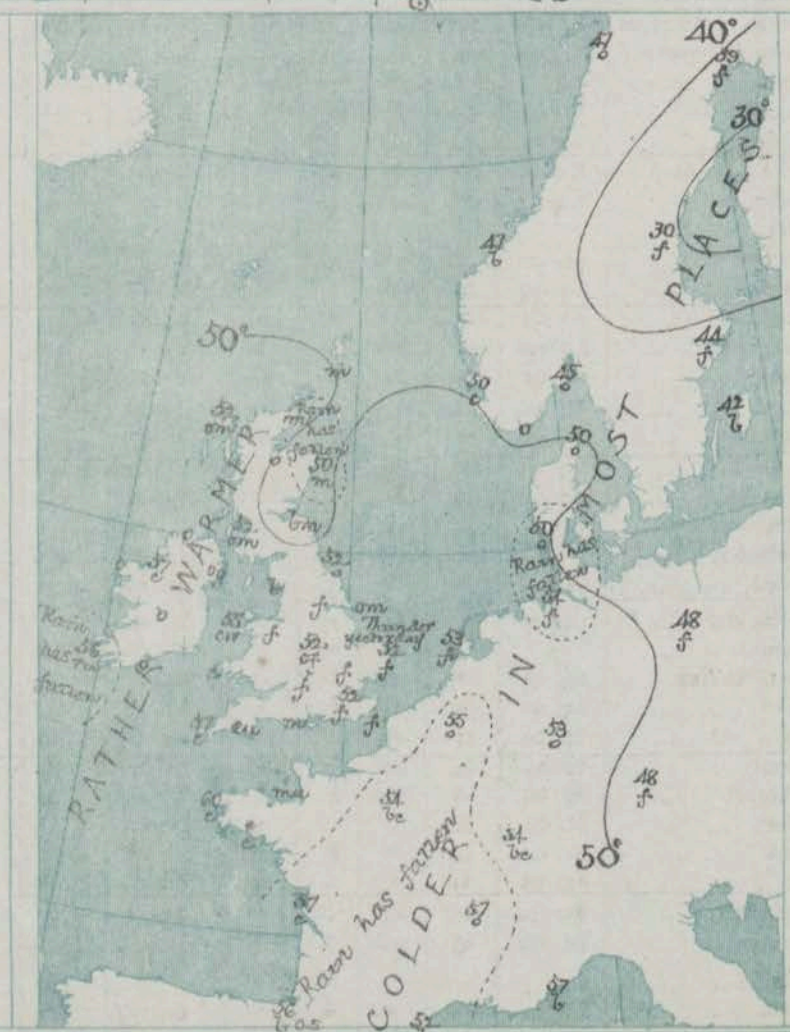
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## 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	49.5	41.8	45.9	44.4	4.33
Stornoway	50.2	38.8	45.1	43.9	4.94
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Nairn	51.4	40.7	44.6	42.5	2.38
Aberdeen	52.1	41.3	45.5	43.5	2.88
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Shields	53.2	43.1	47.3	45.5	2.46
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Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	53.2	43.2	47.8	46.8	3.35
Holyhead	54.9	47.5	50.4	48.6	4.53
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	6.09
Rocha's Point	55.6	46.4	50.4	48.6	4.17
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Yarmouth	54.9	45.1	49.5	48.2	2.97

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.1 ins. and upwards in an anticyclone lying over the south of Sweden, and also in a high pressure system lying over the south-east of France.</p> <p>Lowest, 29.3 ins. and less in a deep depression lying to the westward of our Islands.</p> <p>Gradients for SE. and S. winds steep over Ireland.</p>
TEMPERATURE	<p>Highest, 60° at Brest, Lorient and Lisbon and 55° at Dungeness.</p> <p>Lowest, 30° at Hernessand, 39° at Haparanda and 44° at Seattle.</p> <p>Risen in west, but fallen elsewhere.</p>
WIND	<p>Calm in Sweden, Germany, and the south-east of England.</p> <p>SE. or S. elsewhere: strong on our western coast, with a gale in the west and south of Ireland.</p>
WEATHER	<p>Dull in Ireland and Scotland, with rain at Valencia.</p> <p>Fair in the west of England, and south of France, foggy over Sweden, Germany, the Netherlands, and the eastern and central part of England. Thunder was heard at Yarmouth yesterday afternoon.</p>
SEA	<p>High at Valencia, rather rough on our extreme west and south-west coasts generally.</p>

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

An anticyclone still lies over Scandinavia, but the second high pressure system over Spain has apparently moved eastward to the Mediterranean.

In the course of the night a deep depression has appeared off the west of Ireland, and the barometer is therefore falling rapidly on our western coasts.

The disturbance seems likely to move northwards and strong winds or gales from the S. are probable on parts of our western and northern coasts. Subsidiary depressions may possibly be developed over our south eastern districts.

## FORECASTS

for the 24 hours ending at NOON on 10<sup>th</sup> OCTOBER 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	S <sup>w</sup> winds, increasing to a gale; dull, squally, some rain.	6 { SCOTLAND WEST	SE <sup>w</sup> to S <sup>w</sup> winds, increasing to a gale; fair to squally and some rain.
1 { SCOTLAND EAST	..... D° ..... D° ..... D° .....	7 { ENGLAND N. W.	..... D° ..... D° ..... D° .....
2 { ENGLAND N. E.	SE <sup>w</sup> and S <sup>w</sup> winds, freshening, dull, some rain.	8 { ENGLAND S. W.	S <sup>w</sup> winds, strong to a gale; squally, some rain.
3 { ENGLAND EAST	Same as N° 5	9 { IRELAND NORTH	SE <sup>w</sup> to S <sup>w</sup> strong winds and gales; squally, some rain.
4 { MIDLAND COUNTIES	Same as N° 5.	10 { IRELAND SOUTH	..... D° ..... D° ..... D° .....
5 { ENGLAND SOUTH	S <sup>w</sup> winds, moderate to fresh; fair to unsettled and some rain.	WARNINGS	The south cone has been hoisted this morning in districts 0, 1 and 6 to 10.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.09	58	49	SE 4	c	3	Holyhead ...	29.97	59	56	SSW 1	b	1
Sumburgh Head ...	29.90	51	51	SE 2	f	4	Valencia ...	29.89	60	58	SSW 5	o	4
Stornoway ...	29.82	57	55	SSW 4	c	4	Scilly ...	...	...	...	...	...	...
Aberdeen ...	29.93	55	54	SSW 1	m	1	Dungeness ...	29.90	65	61	SW 1	b	2
Shields ...	29.94	59	56	SE 2	bc	2	London ...	29.96	58	56	2	o	4
Ardrossan ...	29.92	55	53	SSW 1	bc	1	Yarmouth ...	29.93	60	59	SE 2	bc	3
Malin Head ...	29.84	56	55	SSW 3	o	2	Jersey ...	29.96	60	58	NEW 3	bc	3
Mullaghmore ...	29.86	58	54	S 4	om	2	Rocheftort ...	30.04	62	60	W 5	c	2
Belmullet ...	29.84	59	56	SSW 5	o	4							

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

(For condition at 8am today see pp 2 and 3)

The Continental reports for yesterday morning showed that pressure was high over all but the northwestern countries of Europe the maximum readings (30.3 ins. and upwards) being found in an anticyclone lying over the Baltic provinces. To the westward of our Islands, however, there was a large area of relatively low pressure, while over the north of France there was a small shallow depression. In the neighbourhood of the anticyclone the wind showed a decided circulation, being N<sup>1</sup> in Western Russia, NE<sup>1</sup> or E<sup>1</sup> in Austria, S<sup>1</sup> in Russia, and W<sup>1</sup> in the Gulf of Finland. Over France and the south of England there was a cyclonic circulation round the small depression noticed above, but elsewhere the wind was somewhat variable. The weather was rainy in Belgium, and cloudy or overcast in most other countries, with fog or mist in many places. Temperature had changed somewhat irregularly, but the general tendency was for a slight fall; readings ranged from 70° or above over the central and southern parts of the Mediterranean to 32° or less over Central Russia and the East of Sweden. The highest individual readings were 78° at Palermo, 77° at Lfax, and 75° at Malta, the lowest were 29° at Moscow, and Kiev, 30° at Archangel and 31° at Helsingfors.

In the course of the day the depression over the north of France slowly filled up, but in London the weather remained gloomy all day. On our extreme western coast a slight fall of the barometer was reported in the evening.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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# DAILY WEATHER REPORT.

for Sunday 10<sup>th</sup> OCTOBER 1886.  
Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dirac.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)		Weather.	Max.		Min.	
SCANDINAVIA.	<i>Inch.</i>					<i>Inch.</i>	<i>Inch.</i>									<i>Inch.</i>		
Haparanda ..	30.03	37	2	0	f	30.01	+ .01	39	39	0	2	0	f	+	48	28	—	
Hervösand ...	30.02	35	2	0	f	29.97	— .11	38	37	+ .08	2	0	f	+	52	27	—	
Stockholm ...	29.99	48	ESE	2	0	29.86	— .28	50	48	+ .06	2	0	f	+	54	37	—	
Wishby ...	29.96	34	S	4	0	29.85	— .21	50	49	+ .08	S	2	r	+	55	39	—	
Bodö ...	29.99	45	2	0	b	29.78	— .25	42	44	+ .05	ENE	4	b	2	?	43	—	
Christiansand...	29.80	45	ENE	7	?	29.64	— .40	45	45	— .2	ESE	1	b	1	54	24	—	
Skudesnaes ...	29.79	53	E	4	0	29.57	— .43	54	50	+ .04	ESE	6	0	4	54	50	—	
Christiania Fjord (Fierder)	29.80	45	ENE	2	f	29.76	— .31	46	45	+ .1	ENE	2	m	1	46	45	0.16	
Skagen (The Scaw)	29.85	50	ESE	2	r	29.69	— .30	54	53	+ .04	S	3	0	2	54	50	0.08	
Fanö ...	29.78	53	S	4	r	29.60	— .32	53	52	+ .03	S	4	c	+	59	50	0.08	
Sumburgh Head	29.62	51	SSW	4	0	29.28	— .54	53	52	+ .03	SE	5	m	5	53	48	—	
Stornoway ...	29.30	55	ESE	5	cm	29.24	— .40	48	48	— .4	SW	3	cp	2	60	46	0.14	
Wick ...	29.45	53	S	5	0	29.24	— .48	51	49	0	W	2	b	0	58	48	0.15	
Nairn ...	29.38	54	ESE	1	0	29.36	— .36	50	50	+ .1	SSW	2	ba	2	60	46	0.08	
Aberdeen...	29.53	52	SSE	14	0	29.32	— .50	48	57	— .2	WSW	2	b	2	54	46	0.14	
Leith ...	29.43	45	SE	1	b	29.38	— .42	49	47	+ .05	W	1	cp	+	59	42	0.08	
Shields ...	29.52	54	SE	5	0	29.47	— .36	49	47	— .3	SW	2	c	2	55	47	0.15	
Spurn Head ...	29.59	56	SSE	4	0	?	?	49	47	— .7	SSW	4	b	2	58	47	0.13	
York ...	29.57	57	ESE	2	0	29.62	— .32	49	46	— .4	SSW	1	b	+	59	47	0.10	
Loughborough	29.57	57	SSE	4	0	29.61	— .25	48	46	— .4	WSW	4	b	+	60	46	0.35	
Ardrossan ...	29.34	46	ESE	4	omv	29.41	— .31	51	48	— .1	WSW	4	c	3	57	49	0.23	
Malin Head ...	29.18	50	SW	3	0	29.24	— .17	46	45	— .7	SW	4	c	4	56	45	0.38	
Mullaghmore ...	29.22	52	SW	5	cp	29.42	+ .01	45	43	— .12	SW	4	bc	3	58	41	0.06	
Belmullet ...	29.25	52	W	8	c	29.43	+ .15	49	46	— .8	W	5	bc	+	57	46	0.58	
Douaghadee ...	29.27	53	SSW	8	r	29.46	+ .21	45	44	— .10	WSW	3	b	1	56	42	0.30	
Barrow-in-Furness	29.39	55	E	6	0	29.52	— .29	52	48	+ .2	SW	4	bc	+	59	48	0.25	
Liverpool (Bidston)	29.41	56	ESE	5	0	29.56	— .23	50	46	+ .1	SW	2	b	3	58	47	0.15	
Holyhead ...	29.38	54	SSE	7	rgm	29.55	— .19	51	47	— .4	WSW	5	bc	5	59	49	0.21	
Parsonstown ...	29.35	51	W	7	c	29.55	+ .08	45	43	— .11	SSW	1	cp	+	58	41	0.48	
Valencia ...	29.44	49	WSW	4	cp	29.57	+ .24	50	48	— .6	WSW	5	cpq	5	59	47	0.63	
Roche's Point...	29.47	53	W	4	b	29.61	+ .13	49	46	— .8	WSW	3	bc	5	60	48	0.75	
Pembroke ...	29.43	56	WSW	6	bc	29.64	— .07	52	53	— .2	WSW	7	cp	6	59	52	0.40	
Scilly ...																		
Prawle Point ...	29.54	55	WNW	6	c	29.77	— .06	52	49	— .4	WSW	6	cpq	6	59	38	0.31	
Jersey ...	29.63	57	SSW	6	omp	29.84	— .05	53	51	— .4	WSW	7	cpq	6	61	50	0.61	
Hurst Castle ...	? 29.60	60	SSW	6	c	29.74	— .14	55	53	0	WNW	6	bc	4	61	52	0.27	
Dungeness ...	29.75	60	WSW	4	c	29.70	— .17	54	50	— .5	W	6	c	4	64	48	0.17	
London ...	29.66	58	S	5	0	29.72	— .17	50	45	— .2	WSW	4	b	+	63	46	0.11	
Oxford ...	29.51	57	S	4	r	29.70	— .18	48	47	0	SW	3	c	+	61	46	0.26	
Cambridge ...	29.65	57	S	1	0	29.69	— .18	50	49	— .3	SW	2	b	+	62	45	0.04	
Yarmouth ...	29.70	59	SSW	3	c	29.65	— .25	50	49	— .2	WSW	4	b	3	61	47	0.11	
Cuxhaven ...	29.88	54	ESE	2	0	29.69	— .31	55	54	+ .1	S	2	bc	+	61	50	—	
Berlin ...	29.93	56	SE	1	b	29.85	— .21	45	45	— .3	SE	1	f	+	64	45	0.16	
Wiesbaden ...	*	*	*	*	*	29.84	— .20	53	52	0	2	0	r	+	63	50	0.04	
Munich ...	30.05	53	SW	2	c	29.98	— .11	51	49	+ .3	SW	2	c	+	61	46	0.04	
FRANCE & NETHERLANDS.																		
The Helder ...	29.76	56	S	1	bc	29.59	— .33	57	53	+ .4	W	7	c	4	63	?	0.04	
Brussels ...	*	*	*	*	*	29.80	— .14	52	50	— .3	SW	5	c	+	63	52	0.08	
Cape Gris Nez...	29.74	59	SW	7	0	29.89	— .02	56	51	+ .1	WSW	8	r	6	63	54	0.20	
Paris ...	29.88	56	S	3	0	29.94	— .04	51	50	— .3	SSW	3	bc	+	64	50	0.08	
Brest ...	29.71	59	WNW	7	c	29.88	+ .09	54	51	— .6	W	7	b	5	63	50	0.63	
Lorient ...	29.73	61	WNW	9	c	29.95	+ .02	59	52	— .1	W	9	bc	7	66	50	0.12	
Rochefort ...	29.93	60	WSW	8	f	29.12	+ .07	61	57	+ .4	WNW	8	c	7	66	54	0.16	
Belfort ...	29.99	55	E	1	b	29.99	— .06	53	52	— .1	S	7	r	+	62	49	0.20	
Lyons ...	29.99	60	S	3	b	30.10	+ .02	55	53	— .2	W	1	0	+	71	54	0.08	
Nice ...	29.99	64	SE	1	b	30.06	00	59	53	— .2	W	1	b	3	70	54	—	
Perpignan ...	29.97	61	NE	3	b	30.15	+ .02	61	57	+ .9	W	4	0	+	71	?	0.12	
Biarritz ...	29.98	66	S	5	r	30.17	+ .16	62	58	+ .6	WSW	7	r	3	76	?	0.04	
PENINSULA.																		
Corunna ...	*	*	*	*	*	30.26	+ .45	55	55	— .4	SW	4	c	5	63	50	0.12	
Lisbon ...	30.07	64	SSW	7	r	30.23	+ .44	57	51	— .3	N	7	b	2	66	55	0.32	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

Sunday 10<sup>th</sup> October

1886.

## 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.

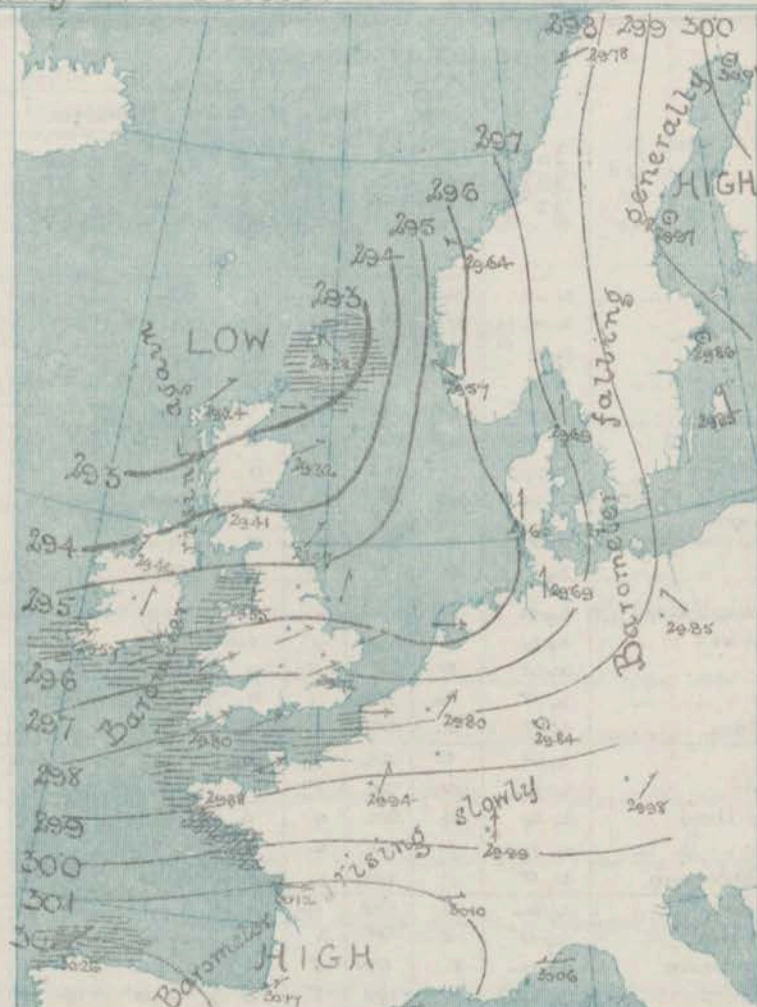
**Sea Disturbance** — where considerable is shown thus

▨ = Rough, ▨ = High

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.685
Stornoway	29.707
Wick	29.718
Nairn	29.738
Aberdeen	29.748
Leith	29.780
Shields	29.821
York	29.860
Ardrossan	29.749
Donaghadee	29.805
Holyhead	29.830
Liverpool	29.848
Valencia	29.842
Roche's Point	29.843
Pembroke	29.847
Scilly	29.877
Hurst Castle	29.894
Dover	29.907
LONDON	29.902
Oxford	29.891
Cambridge	29.894
Yarmouth	29.889



## 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.

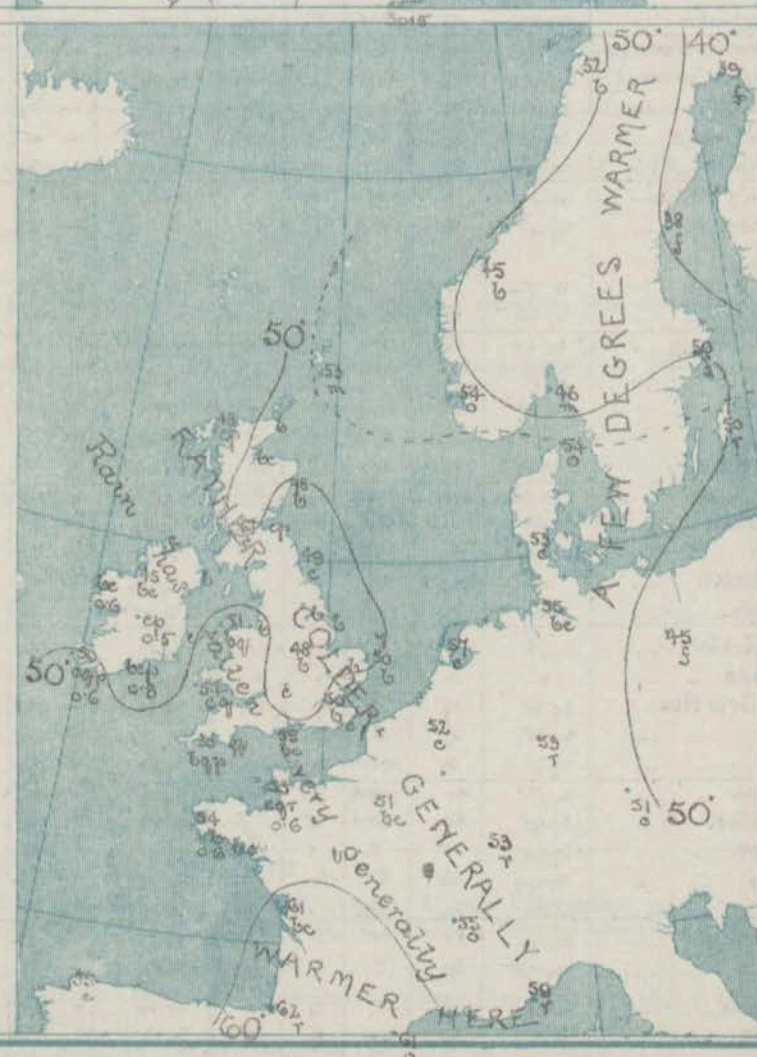
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of October.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	49.5	41.6	45.9	44.4	4.33
Stornoway	50.2	38.8	45.1	43.9	4.94
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	42.5	2.38
Aberdeen	52.1	41.3	45.5	43.5	2.88
Leith	53.3	41.9	46.7	45.1	1.94
Shields	53.2	43.1	47.3	45.5	2.46
York	55.2	40.9	48.0	44.7	2.84
Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	53.2	43.2	47.8	46.8	3.35
Holyhead	54.9	47.5	50.4	48.6	4.53
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	6.09
Roche's Point	55.6	46.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.5	49.4	4.13
Scilly	56.8	50.7	53.9	52.0	3.84
Hurst Castle	57.7	46.8	51.5	50.5	3.24
Dover	56.2	47.8	51.5	49.4	3.28
LONDON	57.1	43.5	48.4	46.9	2.74
Oxford	55.7	42.9	47.0	45.8	2.72
Cambridge	57.0	41.6	46.6	45.7	2.36
Yarmouth	54.9	45.1	49.5	48.2	2.97

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





## GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 ins. and upwards, in Spain, but relatively high 30.0 ins. and upwards over the Gulf of Bothnia.  
Lowest, 29.3 ins. and less, in a low pressure system lying to the northward of our islands.  
Shallow subsidiary depressions lying over various parts of the United Kingdom

## TEMPERATURE

Highest, 62°, at Biarritz, 61° at Rochefort and L'Espigan, and 59° at Lorient and Nîmes  
Lowest, 38° at Hennes and, 39° at Haparanda and 41° at Anderson.

A considerable fall has taken place in the west of Ireland since yesterday.

WIND

$S^{\frac{1}{2}}$  or  $SE^{\frac{1}{2}}$  on the Eastern shores of the North Sea.  
 $SW^{\frac{1}{2}}$  or  $W^{\frac{1}{2}}$  elsewhere; moderate in force at all our more northern stations, but strong to a gale in the Channel and Bay of Biscay.

## WEATHER

Foggy in Sweden. Rainy at several of the French stations.  
Showery on our western and southern coasts. Temporarily fine in the north and east.

SEA

High at Louient, rough or rather so in the west and south of our Islands.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay off our extreme western coast yesterday has moved away to the northward, but some subsidiary disturbances which have since appeared over our Islands are causing a fall of the barometer at most of our Eastern stations. There seem likely to move away in an easterly direction shortly.

## FORECASTS

for the 24 hours ending at NOON on 11<sup>th</sup> OCTOBER 1886.

## 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

## FORECASTS.

NONE ISSUED

## WARNINGS

The south cone was hoisted yesterday in districts 0.1.3 and 5 to 10



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.89	53	48	SSE 4	0	2	Holyhead ...	29.48	59	54	SSE 6	09	5
Sumburgh Head ...	29.73	52	51	SE 3	0	4	Valencia ...	29.34	57	52	WSW 7	62	6
Stornoway ...	29.41	59	54	ESE 5	6	5	Scilly ...						
Aberdeen ...	29.66	52	52	SSE 3	m	2	Dungeness ...	29.50	62	58	WSW 4	2	2
Shields ...	29.67	55	54	SE 3	0	2	London ...	29.76	62	58	S 4	2	4
Ardrossan ...	29.50	57	54	ESE 6	0	3	Yarmouth ...	29.71	61	57	SSW 3	6	3
Malin Head ...	29.17	56	55	SSE 7	0	6	Jersey ...						
Mullaghmore ...	29.13	56	54	ESE 9	org	6	Rochefort ...	?	64	60	S 5	0	2
Belmullet ...	29.16	53	50	SW 5	c	2							

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

(For condition at 8 am today see pp 2 and 3)

The Continental reports for yesterday (Saturday) showed that an anticyclone in which readings varied from 30.3 ins. to 30.5 ins. existed over the Black Sea and the south of Russia, while a depression with readings below 29.3 ins. was lying off the west of Ireland. The prevailing winds were SW<sup>ly</sup> in Northern Europe, but S<sup>ly</sup> or SE elsewhere, and in the west and south of Ireland there was a fresh to strong gale. The weather was foggy in Germany, the Netherlands, and the Central and eastern parts of England, as well as over Northern Europe, but fair or fine in most other localities. Temperature had risen a little over the western parts of our Islands, but elsewhere a tendency to fall was shown; readings ranged from 40° and above on the southern shores of the Mediterranean to 32° or less in Western Russia. The highest individual reading was 49° at Malta, 47° at Lfax, and 44° at Rostov; the lowest was 26° at Nicolaieff, 30° at Harbin and Kio, and 32° at Riga.

In the course of the day, the depression off our W coast moved northward, but some subsidiary disturbances advanced over England in a NE<sup>ly</sup> direction. Strong winds or gales from the S<sup>ly</sup> were experienced in most parts of our Islands and rain fell generally, the largest amounts being 0.8 in. at Rockpoint, 0.6 in. at Donaghadee, Valencia and Jersey and 0.5 in. at Ramenston.

## ATLANTIC TELEGRAM.

The Chief Signal Officer, at Washington U.S. reports that on the 1<sup>st</sup> Inst a despatch ship was seen in Lat 51° N. Long. 22° W.

## EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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# DAILY WEATHER REPORT.

for Monday 11<sup>th</sup> October 1886.

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

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
				Dirac.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)		Max.	Min.			
SCANDINAVIA.	Haparanda ..	29.91	39	2	0	0	29.84	- .17	37	37	- 2	SE	2	0	41	34	0.08		
	Hernösand ...	29.88	41	E	2	1	29.77	- .20	41	40	+ 3	ESE	2	1	45	36	0.24		
	Stockholm ...	29.71	48	ESE	2	0	29.71	- .15	46	45	- 4	ESE	2	0	54	45	0.12		
	Wishby ...	29.71	51	NW	4	bc	29.68	- .17	49	49	- 1	SSE	4	0	52	48	0.24		
	Bodö ...	29.68	49	ESE	4	b	29.61	- .17	48	43	- 4	ESE	4	0	54	45	-		
	Christiansund...†	29.61	49	ESE	2	bc	29.41	- .23	54	49	+ 9	ESE	1	0	54	?	-		
	Skudesnaes ...	29.44	52	ESE	6	1	29.58	+ .01	52	48	- 2	SSW	6	0	57	52	-		
	Christiania Fjord (Furder)	29.59	54	E	6	0	29.61	- .15	51	49	+ 5	WSW	4	0	54	?	0.63		
	Skagen (The Scaw)	29.57	53	S	4	0	29.64	- .05	50	48	- 4	WSW	1	0	55	46	0.08		
	Fanö ...	29.69	53	WSW	4	b	29.58	- .02	49	48	- 4	SE	4	0	57	46	0.16		
BRITISH ISLANDS.	Sumburgh Head	29.33	52	WSW	1	0	29.47	+ .19	45	44	- 8	W	0	bc	3	54	43	0.03	
	Stornoway ...	29.86	48	SW	2	cp	29.53	+ .29	44	43	- 4	SW	2	bc	2	53	39	0.24	
	Wick ...	29.30	49	W	1	b	29.54	+ .30	47	45	- 4	W	2	0	56	38	0.02		
	Nairn ...	29.40	45	W	1	bc	29.57	+ .21	45	44	- 5	WSW	2	1	55	39	-		
	Aberdeen... ..	29.44	50	SW	2	b	29.60	+ .28	42	40	- 6	WSW	1	bc	1	58	37	-	
	Leith ...	29.48	48	W	1	bc	29.66	+ .28	46	44	- 3	W	1	bc	4	59	39	-	
	Shields ...	29.55	49	SW	2	b	29.69	+ .22	44	43	- 5	SW	2	bc	2	56	41	-	
	Spurn Head ...	29.62	54	SW	4	bc	29.75	?	47	45	- 2	W	4	2	57	44	-		
	York ...	29.60	50	S	1	c	29.76	+ .22	42	41	- 7	W	1	4	57	40	0.02		
	Loughborough	29.66	50	SW	4	0	29.81	+ .20	46	44	- 2	W	3	4	58	43	0.06		
GERMANY.	Ardrossan ...	29.49	47	NE	1	c	29.65	+ .24	51	48	0	SW	4	0	53	46	0.12		
	Malin Head ...	29.47	47	WSW	4	bc	29.56	+ .22	46	46	0	SSW	4	bc	4	53	44	0.20	
	Mullaghmore	29.51	49	WSW	5	c	29.59	+ .17	50	49	+ 5	S	5	bc	5	56	44	0.14	
	Belmullet ...	29.55	50	W	5	0	29.57	+ .14	55	53	+ 6	SW	6	0	55	47	0.15		
	Donaghadee ...	29.53	46	WSW	3	bc	29.69	+ .23	46	45	+ 1	SW	3	bc	1	51	38	-	
	Barrow-in-Furness	29.56	51	SW	4	c	29.72	+ .20	50	47	- 2	WSW	3	bc	4	53	46	0.51	
	Liverpool (Bidston)	29.61	47	SSW	3	1	29.79	+ .23	49	45	- 1	SW	2	0	57	46	0.12		
	Holyhead ...	29.57	52	SSW	4	bc	29.77	+ .22	53	49	+ 2	SW	3	0	55	46	0.02		
	Parsonstown ...	29.63	46	WSW	1	c	29.73	+ .18	50	49	+ 5	SSW	1	bc	4	53	40	0.06	
	Valencia ...	29.66	52	W	5	0	29.78	+ .21	57	55	+ 7	SW	6	bc	6	58	47	0.09	
FRANCE & NETHERLANDS.	Roche's Point...	29.61	56	WSW	3	b	29.79	+ .18	56	54	+ 7	WSW	4	bc	4	57	47	0.02	
	Pembroke ...	29.66	55	W	6	bc	29.85	+ .21	55	52	+ 1	W	4	bc	5	56	50	0.17	
	Scilly ...	29.79	55	SW	5	c	29.92	+ .15	53	52	+ 1	WSW	2	bc	4	57	49	0.90	
	Jersey ...	29.84	59	WSW	8	c	29.92	+ .08	58	55	+ 5	WSW	7	bc	6	60	52	0.17	
	Hurst Castle ...	29.77	64	W	6	bc	29.87	+ .13	51	49	- 4	WSW	1	0	60	48	0.21		
	Dungeness ...	29.76	57	W	6	0	29.81	+ .11	50	50	- 4	WSW	3	1	62	50	0.27		
	London ...	29.74	52	WSW	4	bc	29.85	+ .13	53	49	+ 3	WSW	1	0	62	47	0.01		
	Oxford ...	29.74	46	WSW	3	b	29.86	+ .16	48	46	0	SW	2	0	57	45	0.15		
	Cambridge ...	29.72	55	SW	2	0	29.84	+ .15	49	47	- 1	W	1	0	61	42	0.09		
	Yarmouth ...	29.71	54	WSW	2	bc	29.78	+ .13	48	46	- 2	W	3	bc	3	59	43	0.05	
PENINSULA.	Cuxhaven ...	29.77	54	W	4	1	29.70	+ .01	52	51	- 3	SW	5	0	57	49	0.30		
	Berlin ...	29.86	54	WSW	1	0	29.91	+ .06	47	46	+ 2	SW	2	0	63	45	-		
	Wiesbaden ...	30.00	54	WSW	1	0	29.99	+ .15	53	51	0	SW	3	0	66	48	0.08		
	Munich ...	30.15	49	W	4	b	30.17	+ .19	47	44	- 4	SW	3	bc	4	57	45	0.04	
	The Helder ...	29.74	56	WSW	4	1	29.73	+ .14	53	49	- 4	W	4	0	59	50	0.51		
	Brussels ...	29.81	55	WSW	8	1	29.87	+ .07	50	50	- 2	WSW	5	1	58	50	0.32		
	Cape Gris Nez...	29.81	55	WSW	8	1	29.80	- .09	55	54	- 1	W	3	1	59	50	0.91		
	Paris ...	30.02	53	SW	3	b	30.00	+ .06	54	52	+ 3	SW	4	bc	4	62	?	-	
	Brest ...	29.95	59	WSW	7	0	29.98	+ .11	59	57	+ 5	WSW	7	0	62	54	-		
	Lorient ...	30.02	59	W	9	c	30.04	+ .09	59	57	0	WSW	9	1	64	58	0.85		
PENINSULA.	Rocheport ...	30.19	62	W	7	c	30.19	+ .07	62	59	+ 1	W	8	1	63	55	0.20		
	Belfort ...	30.07	57	S	4	c	30.13	+ .14	49	48	- 4	W	3	0	59	44	0.28		
	Lyons ...	30.19	57	E	1	b	30.23	+ .13	47	46	- 8	W	1	0	66	45	-		
	Nice ...	30.00	63	E	1	b	30.08	+ .02	59	52	0	E	1	0	72	54	-		
	Perpignan ...	30.23	62	WSW	3	0	30.26	+ .11	59	54	- 2	WSW	4	0	68	56	-		
	Biarritz ...	30.25	63	W	5	0	30.25	+ .08	55	52	- 7	E	4	0	64	52	0.35		
	Corunna ...	30.21	60	WSW	7	0	30.25	+ .02	56	52	- 1	W	5	0	66	55	-		
	Lisbon ...	30.21	60	WSW	7	0	30.25	+ .02	56	52	- 1	W	5	0	66	55	-		

For Explanation of Columns, see p. 1. † Received too late for insertion in charts.



# WEATHER CHARTS

for 8 a.m. on Monday, 11<sup>th</sup> OCTOBER, 1886.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

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

○ = dead calm.

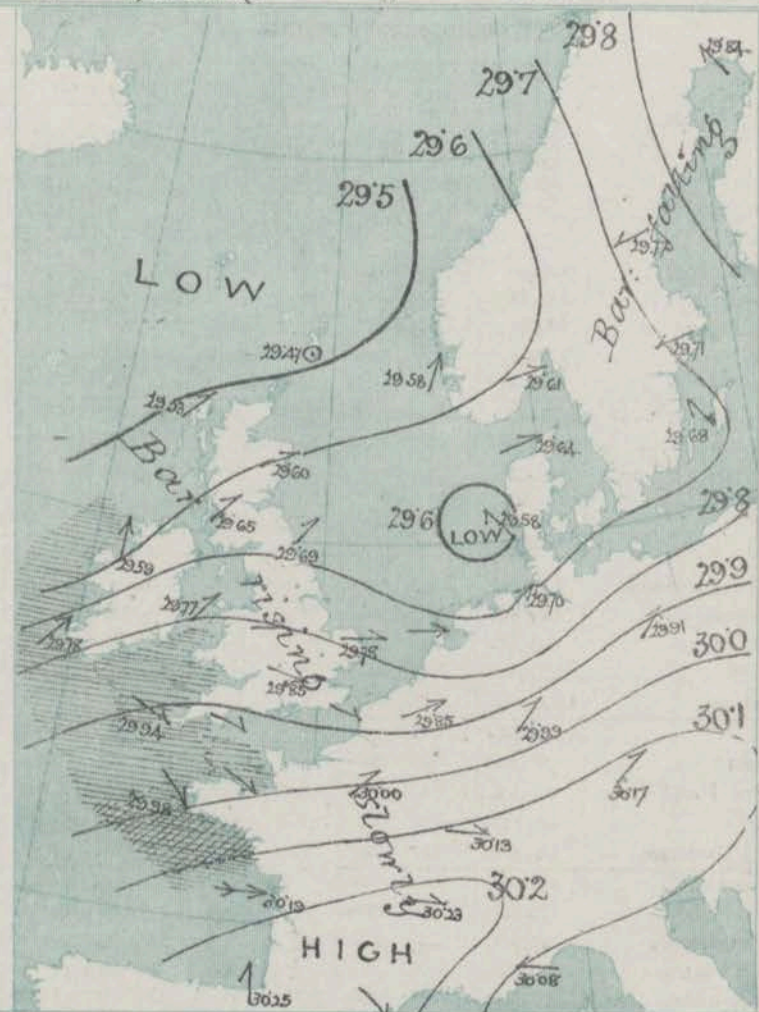
**Sea Disturbance** — where considerable is shown thus

▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.685
Stornoway	29.707
Wick	29.718
Nairn	29.738
Aberdeen	29.748
Leith	29.780
Shields	29.821
York	29.880
Ardrossan	29.740
Donaghadee	29.805
Holyhead	29.830
Liverpool	29.848
Valencia	29.842
Roche's Point	29.843
Pembroke	29.847
Scilly	29.877
Hurst Castle	29.894
Dover	29.907
LONDON	29.902
Oxford	29.891
Cambridge	29.894
Yarmouth	29.889



## 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.

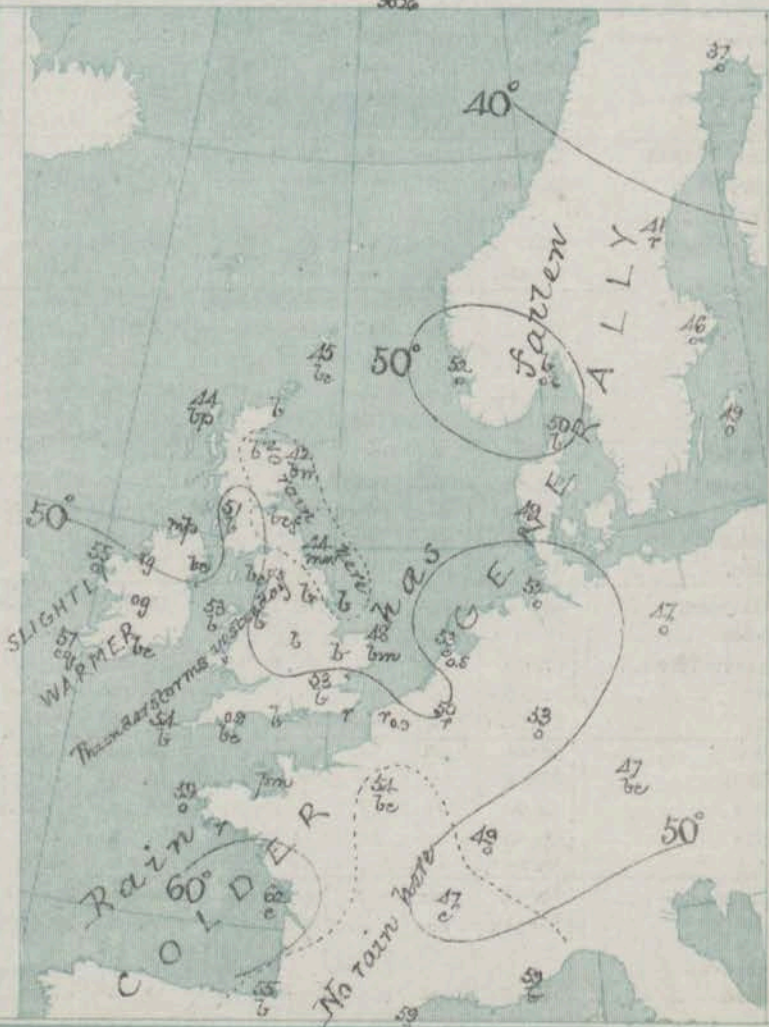
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## 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	49.5	41.6	45.9	44.4	4.33
Stornoway	50.2	38.8	45.1	43.9	4.94
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	42.5	2.38
Aberdeen	52.1	41.3	45.5	43.5	2.88
Leith	55.3	41.9	46.7	45.1	1.94
Shields	53.2	43.1	47.3	45.5	2.46
York	55.2	40.9	46.0	44.7	2.64
Ardrossan	53.7	43.2	47.7	46.4	4.31
Donaghadee	53.2	43.2	47.8	46.8	3.35
Holyhead	54.0	47.5	50.4	48.6	4.53
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	6.09
Roche's Point	55.6	46.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.5	49.4	4.13
Scilly	56.8	50.7	53.9	53.0	3.84
Hurst Castle	57.7	46.8	51.5	50.5	3.24
Dover	56.2	47.8	51.5	49.4	3.28
LONDON	57.1	43.5	48.4	46.9	2.74
Oxford	55.7	42.9	47.0	45.8	2.72
Cambridge	57.0	41.6	46.6	45.7	2.36
Yarmouth	54.9	45.1	49.5	48.2	2.97

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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Highest, 30.2 in: and upwards, over Spain and the south of France.  
lowest, 29.5 in: and less, in a large area of low pressure lying to the northward of our Islands.  
Small shallow depression lying off the Danish coast.

### TEMPERATURE

Highest, 62° at Rochefort, 53° at several of the western and southern French stations, and 58° at Jersey.  
lowest, 37° at Haparanda and 42° at Aberdeen and York.  
Rising on our western coast, falling in the east.

### WIND

Light E. in Sweden and also at Paris.  
SW<sup>ly</sup> or W<sup>ly</sup> elsewhere; strong in force in the west of Ireland and strong to gale in the Bay of Biscay.  
Backing on our extreme western coasts.

### WEATHER

Rainy in some parts of Sweden, in the north-west of Ireland, and in the north of France.  
Fine in most other localities.  
Unsettled appearances reported at Valencia.

### SEA

Rough on our extreme west and south-west coasts, and also in the Bay of Biscay, moderate to smooth elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression of Saturday has passed away to the northward of our Islands, and the disturbing disturbances noticed over the Kingdom yesterday have moved eastwards.

The barometer is therefore rising in nearly all places, but the following indications seem to show that a new depression is approaching our north-west coasts:—

1. The barometric rise at Mullaghmore has ceased.
2. The winds have backed in the extreme west and are inclined to increase.
3. An unsettled appearance is reported at Valencia.

The advancing depression, the size and depth of which are unknown, will probably move eastwards and occasion an increase of wind on our west and south coasts.

## FORECASTS

for the 24 hours ending at NOON on 12<sup>th</sup> OCTOBER 1886.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	SW <sup>ly</sup> winds, moderate, changeable, some showers
1	SCOTLAND EAST	.....D.....D.....D.....
2	ENGLAND N.E.	W <sup>ly</sup> and SW <sup>ly</sup> winds, freshening, fine to showery.
3	ENGLAND EAST	Same as N <sup>o</sup> 5
4	MIDLAND COUNTIES	Same as N <sup>o</sup> 5
5	ENGLAND SOUTH	W <sup>ly</sup> to SW <sup>ly</sup> winds, freshening, fine to some rain

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	SW <sup>ly</sup> winds, freshening, squally, some showers.
7	ENGLAND N.W.	.....D.....D.....D.....
8	ENGLAND S.W.	Same as N <sup>o</sup> 5
9	IRELAND NORTH	SW <sup>ly</sup> and W <sup>ly</sup> winds, strong; squally, some rain.
10	IRELAND SOUTH	.....D.....D.....D.....

### WARNINGS

The south cone has been lowered this morning in districts 3 and 5



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.47	57	51	ESE 6	0	4	Holyhead ...						
Sumburgh Head ...							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rochefort ...	30.19	62	56	WNW 8	c	3
Belmullet ...													

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

The Continental Reports for yesterday showed that pressure was highest (30.3 ins and upwards) in South Russia, but relatively high (30.2 ins and upwards) in Spain. The lowest readings were found (29.3 ins and less) in a depression lying off the north-west of Scotland, but over our islands there were numerous small and very shallow depressions. The wind was strong to a gale from the W over the extreme south of our islands and the west of France and moderate from SW over the eastern part of the United Kingdom, but over Northern and Central Europe it drew into S or SE. The weather was fine over Eastern Europe, Spain, Italy and the west and north of our Islands, but rain was reported at several of the French and German stations. The temperature changes since the previous morning were somewhat irregular, but as a rule the thermometer had fallen in our islands, Germany and the east of France, while it had risen elsewhere — most in Russia; readings ranged from between 70° and 75° on the southern shores of the Mediterranean to 32° or less in Western Russia. The highest individual readings were 78° at Afaf, 75° at Malta and 72° at Biskra; the lowest were 32° at Charkow, 33° at Helsingfors and 38° at Hermsand.

During the day the shallow depressions over our islands moved eastwards and as they did so strong squally winds from SW or W were experienced over the southern parts of the Kingdom, with a gale in the Channel. Showers fell generally and thunderstorms were reported at many of the western and southern stations.

## SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 3<sup>R</sup> TO THE 9<sup>TH</sup> OCTOBER 1886.

Over Ireland and Scotland the weather of the past week has been usually cloudy and unsettled, but in England the early part of the period was fine and exceptionally warm for the time of year.

At the beginning of the week an anticyclone lay over the North Sea, while depressions of considerable size, but of no great depth, moved northwards along our extreme western coasts. SE<sup>ly</sup> or S<sup>ly</sup> winds, therefore, prevailed generally; in the west they were strong in force and the weather cloudy, but in the east and south-east light breezes and fine weather were reported. On Monday the thermometer exceeded 75° in many parts of England, the highest reading of all being 80° in London and at Cambridge.

By Tuesday the anticyclone had moved northwards to Scandinavia, and as it did so a second high-pressure system appeared over Spain. These conditions were accompanied, as usual, by the formation of shallow depressions in the intervening regions, and on Wednesday and Thursday two of these systems caused rainy weather over the south-east of England.

The first which lay over the east of England on the morning of Wednesday subsequently moved northwards to Scotland.

The second which advanced over our south-west coasts on Thursday ultimately filled up over the north-east of France.

On Saturday a larger and much deeper depression had appeared in the west and in the course of the day it moved northwards, occasioning SE<sup>ly</sup> or S<sup>ly</sup> gales at many of our western and some 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).

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



# DAILY WEATHER REPORT.

for Tuesday 12<sup>th</sup> October

1886.

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

Issued by the Meteorological Office, No. 5, Victoria Street, London, W. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		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	32	E	2	O	29.83	-01	33	32	-4	NE	2	O	4	39	30	-	
Hernösand ...	29.71	41	ESE	2	N	29.72	-05	42	41	+1	2	O	O	8	48	41	0.32	
Stockholm ...	29.68	46	NE	2	N	29.75	+04	42	41	-4	2	O	g	8	52	32	0.20	
Wisby ...	29.69	46	SW	4	C	29.73	+05	45	44	-4	SSE	4	bc	8	55	45	0.12	
Bodö ...	29.61	49	ESE	4	O	29.60	-01	47	44	-1	ESE	4	C	2	52	46	-	
Christiansund...	29.88	47	ESE	2	C	29.44	+03	45	43	-9	ESE	3	b	2	54	43	0.24	
Skudesnaes ...	29.65	52	SW	4	C	29.45	-13	51	50	-1	SSE	8	N	5	?	?	-	
Christiania Fjord (Færd)	29.85	51	WSW	2	b	29.69	+08	47	46	-4	WSW	2	O	1	54	46	-	
Skagen (The Seaw)	29.68	47	20	O	b	29.71	+07	50	48	0	WSW	3	O	2	55	43	-	
Fanö ...	29.76	47	WSW	1	b	29.74	+16	51	51	+2	S	3	p	8	54	46	0.55	
BRITISH ISLANDS.																		
Sumburgh Head	29.47	47	SSE	2	bc	29.09	-38	51	50	+6	S	3	N	4	53	42	0.38	
Stornoway ...	29.20	52	SW	6	N	28.98	-55	47	47	+3	SW	1	N	2	53	42	0.49	
Wick ...	29.39	51	S	4	O	28.94	-60	51	50	+4	SW	4	O	1	54	46	0.12	
Nairn ...	29.35	50	SSW	2	C	28.96	-61	54	53	+9	WSW	2	N	2	55	44	0.03	
Aberdeen...	29.46	49	S	4	N	29.11	-49	55	53	+13	S	6	op	3	58	40	0.03	
Leith ...	29.50	53	SW	2	C	29.15	-51	55	55	+9	W	1	orm	8	58	45	0.08	
Shields ...	29.65	51	SSW	3	ch	29.32	-37	56	52	+12	SSW	6	O	2	56	42	-	
Spurn Head ...	29.78	54	SW	4	C	29.57	-18	54	52	+4	SW	5	bc	3	57	46	-	
York ...	29.76	52	S	2	O	29.48	-28	54	52	+12	S	3	C	8	58	42	0.01	
Loughborough	29.84	54	SSW	4	O	29.59	-22	54	52	+8	SSW	4	C	8	57	45	-	
GERMANY.																		
Ardrossan ...	29.50	55	SSW	5	O	29.13	-52	55	53	+4	SSW	5	N	5	57	50	0.57	
Malin Head ...	29.38	51	WSW	6	ogp	29.15	-41	49	49	+3	SW	4	ogp	4	57	42	0.89	
Mullaghmore ...	29.48	53	WSW	6	n/g	29.14	-45	51	50	+1	SW	5	ogm	5	58	50	0.70	
Belmullet ...	29.45	52	SW	6	op	29.16	-41	51	49	-4	WSW	6	C	8	57	49	0.66	
Donaghadee ...	29.56	55	SW	5	C	29.18	-51	53	53	+7	WSW	5	ogp	3	56	45	0.45	
FRANCE & NETHERLANDS.																		
Barrow-in-Furness	29.67	57	SSW	5	O	29.36	-36	55	53	+5	SSW	8	N	8	57	50	0.23	
Liverpool (Bidston)	29.75	55	SW	3	bc	29.41	-38	55	52	+6	S	4	C	4	58	49	-	
Holyhead ...	29.71	57	SSW	6	opm	29.34	-43	57	56	+4	SSW	7	ogm	6	58	53	0.16	
Parsonstown ...	29.64	56	SSW	2	O	29.26	-47	50	49	+0	20	O	on	8	59	49	0.19	
Valencia ...	29.66	58	SW	7	omg	29.27	-51	55	54	-2	SW	3	om	4	60	52	0.26	
Roche's Point...	29.76	58	WSW	5	C	29.31	-48	52	52	-4	WSW	4	N	5	60	58	0.56	
Pembroke ...	29.83	58	SW	6	N	29.44	-41	58	55	+3	SSW	8	ogf	7	58	54	0.18	
Seilly ...																		
Prawle Point ...	29.97	57	SW	6	C	29.65	-27	57	56	+4	SSW	6	op	6	60	51	0.08	
Jersey ...	30.04	58	W	5	bcm	29.79	-13	58	57	0	SW	6	om	5	61	55	-	
NETHERLANDS.																		
Hurst Castle ...	29.96	59	WSW	5	C	29.71	-16	57	57	+6	SW	7	epg	4	60	50	0.12	
Dungeness ...	29.93	57	W	4	C	29.77	-04	59	57	+9	SW	6	C	4	63	50	0.04	
London ...	29.93	55	SW	2	O	29.72	-13	57	55	+4	WSW	4	opa	8	62	52	-	
Oxford ...	29.90	55	SW	4	O	29.65	-25	55	54	+4	SW	5	b	8	60	48	0.01	
Cambridge ...	29.89	55	W	1	O	29.67	-17	57	54	+8	S	2	hu	8	60	47	-	
FRANCE.																		
Yarmouth ...	29.89	54	SW	2	b	29.72	-06	55	53	+4	SSW	4	b	3	56	46	-	
Cuxhaven ...	29.77	53	W	4	O	29.86	+16	50	49	-2	SW	3	bc	8	54	47	0.04	
Berlin ...	29.86	49	SW	1	C	30.01	+10	47	46	0	WSW	1	bc	8	57	45	0.12	
Wiesbaden ...						30.10	+11	48	46	-5	20	O	C	8	55	41	0.26	
Munich ...	30.12	51	W	6	C	30.20	+03	50	48	+3	SW	3	C	8	57	46	-	
NETHERLANDS.																		
The Helder ...	29.90	53	WSW	3	C	29.79	+06	57	55	+4	SW	4	C	3	57	?	0.04	
Brussels ...						29.93	+06	54	52	+4	SW	4	C	8	58	?	0.08	
Cape Gris Nez...	29.97		SW	7	O	29.83	+03	57	56	+2	SW	8	O	6	59	54	0.08	
Paris ...	30.10	54	WSW	3	b	30.06	+06	53	53	-1	SW	4	O	6	63	49	0.04	
Brest ...	30.06	59	WSW	5	O	29.76	-22	60	57	+1	WSW	8	N	6	61	57	-	
Lorient ...	30.13	61	W	7	bc	29.88	-16	59	57	0	SSW	8	O	5	64	54	-	
Rockfort ...	30.24	62	WSW	5	b	30.10	-09	57	57	-5	SSE	5	O	2	68	52	-	
Belfort ...	30.14	54	W	4	O	30.13	00	51	46	+2	W	1	b	8	55	49	0.32	
Lyons ...	30.23	57	SE	1	O	30.18	-05	46	46	-1	S	1	g	8	64	44	-	
Nice ...	30.06	60	E	1	b	30.19	+02	60	52	+1	E	5	g	7	70	52	-	
FRANCE & NETHERLANDS.																		
Perpignan ...	30.19	60	WSW	4	b	30.15	-11	48	46	-11	SW	3	b	8	70	46	-	
Biarritz ...	30.27	62	NE	3	b	30.02	-23	62	55	+4	SW	4	O	5	68	50	-	
NETHERLANDS.																		
Corunna ...																		
Lisbon ...	30.20	64	WSW	5	b	30.20	-08	57	54	+1	WSW	4	bc	2	72	55	-	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

Tuesday, 12<sup>th</sup> OCTOBER

1886.

## 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 —

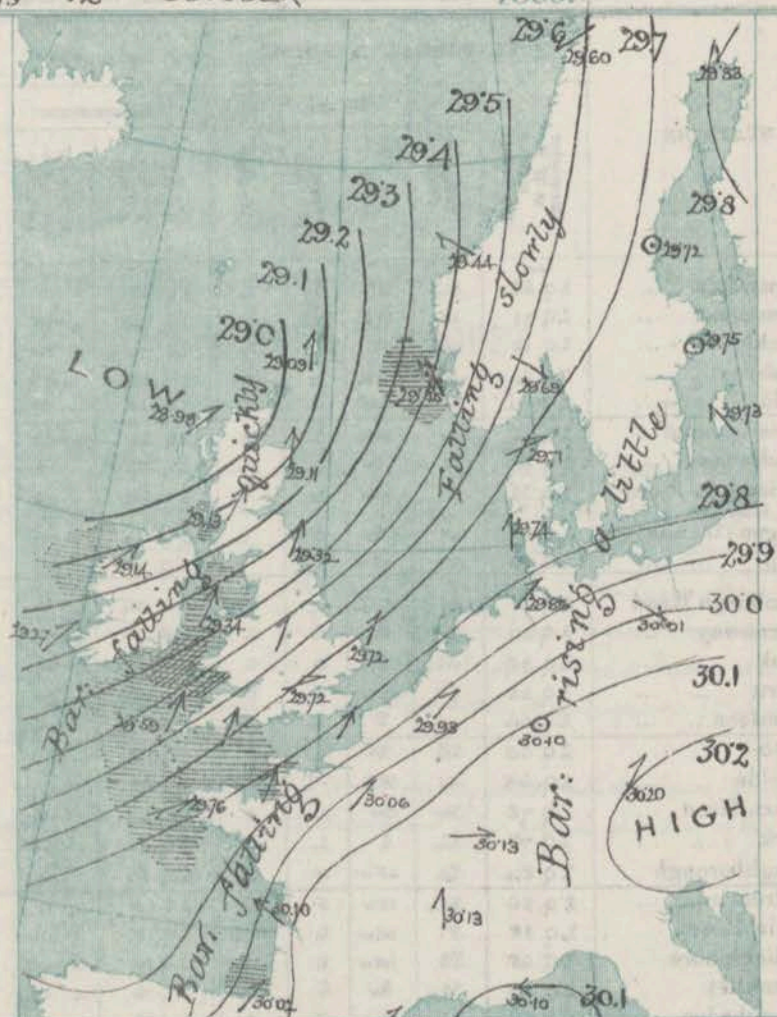
→ = forces above 10; → = forces 8 to 10;  
→ = forces 5 to 7; → = forces 4 to 5;  
○ = dead calm.

**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 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	<i>in.</i>
Sumburgh Head	29.885
Stornoway	29.707
Wick	29.718
Nairn	29.738
Aberdeen	29.748
Leith	29.780
Shields	29.831
York	29.860
Ardrossan	29.749
Donaghadee	29.805
Holyhead	29.830
Liverpool	29.848
Valencia	29.842
Roche's Point	29.843
Pembroke	29.847
Scilly	29.877
Hurst Castle	29.894
Dover	29.907
LONDON	29.902
Oxford	29.891
Cambridge	29.894
Yarmouth	29.889



## 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.

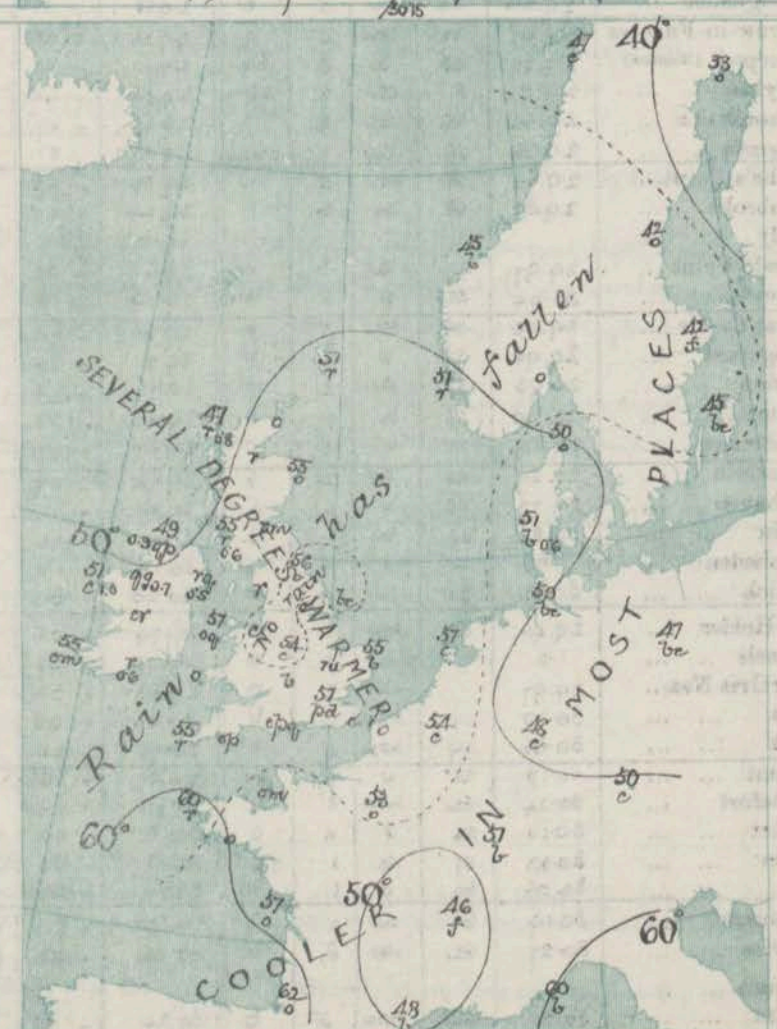
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of October.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	Average Day.	Average Night.	
Sumburgh Head	49.5	41.0	45.9	44.4	4.33
Stornoway	50.2	38.8	45.1	43.9	4.04
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.0	42.5	2.38
Aberdeen	52.1	41.3	45.6	43.5	2.88
Leith	55.3	41.9	46.7	45.1	1.91
Shields	53.2	43.1	47.3	45.5	2.46
York	55.2	40.0	46.0	44.7	2.64
Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	53.2	43.2	47.8	46.3	3.35
Holyhead	54.9	47.5	50.4	48.6	4.53
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	46.6	51.3	49.1	6.09
Roche's Point	55.6	46.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.5	49.4	4.13
Scilly	56.8	50.7	53.9	52.0	3.84
Hurst Castle	57.7	46.8	51.5	50.6	3.24
Dover	56.2	47.8	51.5	49.4	3.23
LONDON	57.1	43.5	48.4	46.9	2.74
Oxford	55.7	42.9	47.0	45.8	2.72
Cambridge	57.0	41.0	46.6	45.7	2.36
Yarmouth	54.9	45.1	49.5	48.2	2.97

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1868—85.





## GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 ins at Munich and Lisbon.  
Lowest, 29.0 ins and less in a deep depression having its centre near the Hebrides.  
Gradients for S.W. winds steep over our islands.

TEMPERATURE

Highest,  $62^{\circ}$  at Biarritz,  $60^{\circ}$  at Brest and Nice and  $59^{\circ}$  at Brugges.  
Lowest,  $53^{\circ}$  at Haparanda and  $42^{\circ}$  at Hemsand and Stockholm.  
Lowest in our islands  $47^{\circ}$  at Stormoway.

WIND

Calm in Sweden, moderate SE<sup>ly</sup> in the west of Norway.  
Sly or SW<sup>ly</sup> elsewhere, with fresh gales at some of our western stations.

WEATHER

{ Fine in Germany, the Netherlands, the east and south of France and the east of England.  
 { dull in most other localities, with rain in many places.  
 { The heaviest amount of rain experienced within the past 24 hrs have been 1 in at Belmullet, .9 in at Malin Head, 0.8 in at Bormoway, and .7 in at Mullaghmore.

SEA

High at Pembroke and rough or rather so on our western and south-western coasts generally.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The deep depression in the neighbourhood of the Hebrides seems likely to move away in a northerly direction. Over the Bay of Biscay, however, there are conditions of a smaller disturbance. This will probably advance towards our south coasts and occasion a considerable increase of wind over the east and south east of England.

## FORECASTS

for the 24 hours ending at NOON on 13<sup>th</sup> October 1886.

DISTRICTS.		FORECASTS.		DISTRICTS.		FORECASTS.	
0	{ SCOTLAND NORTH	S <sup>ly</sup> winds, strong, perhaps a gale, dull, some rain.		6	{ SCOTLAND WEST	Same as N <sup>o</sup> 0	
1	{ SCOTLAND EAST	-----D <sup>o</sup> -----	D <sup>o</sup> -----	7	{ ENGLAND N. W.	S <sup>ly</sup> and SW <sup>ly</sup> strong winds and gales, squally, some rain.	
2	{ ENGLAND N. E.	S <sup>ly</sup> and SW <sup>ly</sup> winds, fresh or strong, fair to unsettled and some rain.		8	{ ENGLAND S. W.	-----D <sup>o</sup> -----	D <sup>o</sup> -----
3	{ ENGLAND EAST	-----D <sup>o</sup> -----	D <sup>o</sup> -----	9	{ IRELAND NORTH	SW <sup>ly</sup> winds, increasing to a gale; squally, showery.	
4	{ MIDLAND COUNTIES	Same as N <sup>o</sup> 5.		10	{ IRELAND SOUTH	-----D <sup>o</sup> -----	D <sup>o</sup> -----
5	{ ENGLAND SOUTH	S <sup>ly</sup> and SW <sup>ly</sup> winds, strong, a gale in places; squally, some showers		WARNINGS		The S. cone was hoisted yesterday in districts 0, 1 and 51 & 10.	



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.64	56	49	WSW 4	bc	2	Holyhead ...	29.75	57	55	SSW 5	omv	4
Sumburgh Head ...	29.48	51	49	WSW 3	e	3	Valencia ...	29.73	58	56	SW 7	omv	6
Stornoway ...	29.40	52	50	SSW 6	oq	6	Scilly ...						
Aberdeen ...	29.59	54	49	SSW 3	bc	1	Dungeness ...	29.93	62	54	WNW 3	e	3
Shields ...	29.71	54	49	SSW 3	o	2	London ...	29.93	61	53	W 4	e	4
Ardrossan ...	29.57	57	56	S 4	n	3	Yarmouth ...	29.86	56	49	W 4	6	3
Malin Head ...	29.45	57	56	SW 5	o	5	Jersey ...	30.04	60	57	W 6	e	5
Mullaghmore ...	29.54	57	53	SW 5	omv	5	Rocheport ...	30.20	62	61	WNW 4	o	3
Belmullet ...	29.51	57	54	SSW 7	oq	*							

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

Yesterday morning reports showed that pressure was highest over southwestern, Central and Eastern Europe and lowest in the extreme north-west, in which region the distribution was very irregular, and shallow local depressions were somewhat numerous. The wind, which was chiefly SW<sup>ly</sup> over the British Isles and their neighbourhood, and SE<sup>ly</sup> over Finland and the neighbourhood of St. Petersburg, varied a great deal locally, and at many of the western stations blew strongly. Temperature was changing suddenly and varied from between 55° + 60° over Southern Europe and the west of France and from 56° in the west of Ireland to somewhat below 50° over Central Europe + to between 17° + 25° over Central Russia. The highest individual readings were 73° at Sfax (Algeria), 71° at Brindisi, 69° at Palermo + 68° at Barcelona; the lowest were 47° at Lyons + Prague, 37° at Haparanda, 35° at St. Petersburg + 17° at Moscow. The weather was cloudy, changeable to showery - especially over the British Isles and France.

During the day the thermometer rose to above 70° in the South of France + to between 60° + 62° over the southwestern + southern parts of the United Kingdom. The weather, however, remained in a very changeable condition and rain fell (more or less) in almost all 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 Wednesday 13<sup>th</sup> OCTOBER. 1886.  
Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, No. 1, Victoria Street, London, S.W. 1, Secretary.																		
STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.	
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	
SCANDINAVIA.																		
Haparanda ..	29.79	39	Z	0	r	29.79	-.04	42	42	+ 9	S	4	0	+	?	30	0.08	
Hernösand ...	29.76	43	Z	0	o	29.74	+ .02	44	43	+ 2	S	4	0	+	46	41	—	
Stockholm ...	29.84	45	SSE	2	o	29.75	.00	49	47	+ 7	SSE	4	0	+	?	39	—	
Wisby ...	29.80	44	S	4	b	29.71	-.01	47	46	+ 2	SSE	4	0	+	54	41	—	
Bodö ...	29.46	46	ENE	4	b	29.39	-.21	45	44	+ 1	ENE	6	0	+	48	45	—	
Christiansund...	29.7	54	SE	4	c	29.06	-.38	60	50	+ 15	SE	7	0	3	61	?	—	
Skudesnaes ...	29.26	56	SSE	9	r	29.00	-.45	55	57	+ 4	SE	8	0	7	?	?	0.24	
Christiania Fjord (Færdø)	29.55	54	SSE	8	o	29.30	-.35	54	57	+ 7	ESE	8	0	4	54	?	—	
Skagen (The Scaw)	29.59	54	SW	4	c	29.26	-.45	54	57	+ 4	S	8	0	4	57	50	—	
Fanø ...	29.53	53	S	6	o	29.03	-.71	51	51	0	SSE	7	0	4	59	30	0.16	
BRITISH ISLANDS.																		
Sumburgh Head	28.95	48	W	2	bc	28.49	-.46	46	45	- 5	Z	0	0	2	53	41	0.19	
Stornoway ...	28.98	47	WSW	2	r	29.07	+ .09	44	44	- 3	WSW	1	0	1	54	40	0.27	
Wick ...	29.00	45	NW	1	b	29.06	+ .12	45	45	- 6	W	1	0	0	54	36	0.07	
Nairn ...	29.01	47	SW	2	bc	29.08	+ .12	45	44	- 9	SW	1	0	1	56	39	0.03	
Aberdeen...	29.03	49	Z	0	cp	29.07	-.04	44	42	- 11	NNW	1	0	2	56	39	—	
Leith ...	29.06	50	W	1	c	29.15	.00	45	44	- 10	W	1	0	+	55	42	0.20	
Shields ...	29.09	51	NE	1	r	29.14	-.18	46	45	- 10	WSW	2	0	2	60	43	0.27	
Spurn Head ...	29.11	56	W	7	r	29.18	-.39	50	48	- 4	W	5	0	3	59	46	0.43	
York ...	29.07	55	S	3	r	29.19	-.29	47	45	- 7	W	3	0	+	59	45	0.57	
Loughborough	29.15	57	SSW	5	r	29.25	-.31	47	46	- 7	NNW	3	0	+	60	45	0.58	
Ardrossan ...	29.07	49	Z	0	b	29.17	+ .04	51	48	- 4	WSW	3	0	2	55	48	0.06	
Malin Head ...	29.14	50	NNW	3	b	29.17	+ .02	49	46	0	NNW	4	0	4	55	47	0.16	
Mullaghmore ...	29.13	52	NNW	5	cp	29.24	+ .10	49	46	- 2	W	5	0	4	56	46	0.12	
Bellaugliet ...	29.15	51	NNW	5	c	29.28	+ .12	50	46	- 1	W	5	0	+	56	48	0.13	
Donaghadee ...	29.11	50	NNW	4	o	29.24	+ .06	43	43	- 10	W	3	0	1	53	39	0.13	
Barrow-in-Furness	29.10	51	W	3	r	29.22	-.14	50	47	- 5	NNW	3	0	2	57	47	1.56	
Liverpool (Bidston)	29.12	50	SW	1	o	29.26	-.15	50	47	- 5	W	4	0	4	59	49	0.45	
Holyhead ...	29.14	51	SW	3	r	29.29	-.05	50	48	- 7	W	4	0	4	58	48	0.85	
Parsonstown ...	29.19	50	Z	0	b	29.36	+ .10	46	44	- 4	SW	1	0	+	55	42	0.12	
Valencia ...	29.26	52	NW	4	cp	29.43	+ .16	48	46	- 7	W	3	0	2	59	46	0.49	
Roche's Point...	29.26	53	NNW	4	bc	29.41	+ .10	48	45	- 4	W	4	0	4	56	46	0.20	
Pembroke ...	29.16	53	SW	4	r	29.37	-.07	49	49	- 6	NNW	6	0	5	58	52	0.27	
Seilly ...																		
Prawle Point ...	29.25	53	NNW	6	r	29.48	-.17	50	48	- 7	NNW	6	0	6	58	48	0.38	
Jersey ...	29.34	61	SW	7	omr	29.54	-.25	51	49	- 7	W	7	0	6	61	50	0.36	
Hurst Castle ...	29.25	59	SW	9	r	29.40	-.38	53	50	- 4	W	6	0	5	60	50	0.37	
Dungeness ...	29.37	57	SSW	8	r	29.37	-.40	52	50	- 7	NW	5	0	5	61	50	0.54	
London ...	29.26	57	S	7	org	29.36	-.36	50	48	- 7	W	2	0	+	61	47	0.38	
Oxford ...	29.15	53	SW	3	r	29.36	-.29	48	47	- 7	SW	3	0	+	59	46	0.25	
Cambridge ...	29.16	58	S	3	r	29.32	-.35	50	48	- 7	SW	2	0	+	63	46	0.28	
Yarmouth ...	29.33	57	S	7	org	29.24	-.51	50	48	- 5	W	5	0	4	60	47	0.41	
Cuxhaven ...	29.72	53	SSW	3	bc	29.16	-.70	54	53	+ 4	S	6	0	+	57	50	0.30	
Berlin ...	29.89	50	SW	1	b	29.50	-.51	48	46	+ 1	SE	2	0	+	57	45	0.28	
Wiesbaden ...	?	?	?	?	?	29.44	-.66	57	54	+ 9	SW	4	0	+	59	52	0.20	
Munich ...	29.95	48	SE	1	bc	29.74	-.46	49	47	- 1	NW	3	0	+	57	43	0.04	
FRANCE & NETHERLANDS.																		
The Helder ...	29.41	56	SSE	4	r	?	?	55	52	- 2	WSW	5	0	4	59	54	0.67	
Brussels ...	?	?	?	?	?	29.39	-.54	54	51	0	SW	11	0	+	59	53	0.22	
Cape Gris Nez...	29.29	55	S	8	r	29.38	-.45	55	52	- 2	NW	8	0	6	63	54	0.28	
Paris ...	29.68	55	SW	5	r	29.58	-.48	51	50	- 2	SW	5	0	+	64	51	0.51	
Brest ...	29.40	60	SW	7	o	29.64	-.12	55	50	- 5	NNW	7	0	7	61	52	0.51	
Lorient ...	29.49	63	WSW	7	r	29.67	-.21	57	53	- 2	NNW	9	0	7	66	52	0.24	
Rocheport ...	29.81	63	SW	8	r	29.85	-.25	61	57	+ 4	W	9	0	4	66	54	0.79	
Belfort ...	30.11	57	W	1	bc	29.78	-.40	53	51	+ 2	W	4	0	+	61	49	0.20	
Lyons ...	29.91	62	S	5	o	29.81	-.37	58	51	+ 9	W	4	0	+	64	?	0.16	
Nice ...	30.07	60	Z	0	c	29.88	-.22	52	51	- 8	E	4	0	1	68	50	0.08	
Perpignan ...	29.98	58	Z	0	bc	29.94	-.21	62	55	+ 14	NW	5	0	+	69	?	—	
Biarritz ...	29.88	73	S	7	o	30.00	-.02	63	56	+ 1	WSW	9	0	7	70	55	0.20	
Corunna ...																		
Lisbon ...	30.16	64	WSW	4	b	30.20	.00	62	60	+ 5	N	5	0	2	68	61	—	
PENINSULA.																		

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

Wednesday, 13<sup>th</sup> OCTOBER

1886.

## 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.

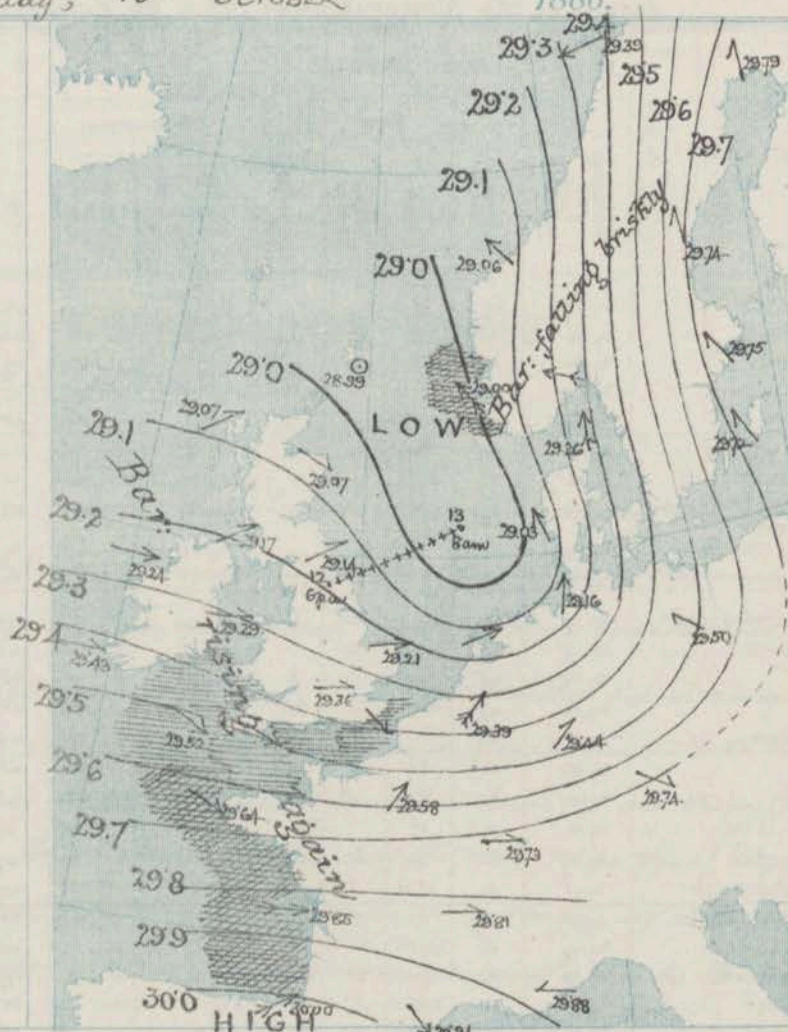
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.685
Stornoway	29.707
Wick	29.718
Nairn	29.738
Aberdeen	29.748
Leith	29.780
Shields	29.821
York	29.860
Ardrossan	29.749
Donaghadee	29.805
Holyhead	29.830
Liverpool	29.842
Valencia	29.843
Roche's Point	29.843
Pembroke	29.847
Silly	29.877
Hurst Castle	29.894
Dover	29.907
LONDON	29.902
Oxford	29.891
Cambridge	29.894
Yarmouth	29.889



## 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.

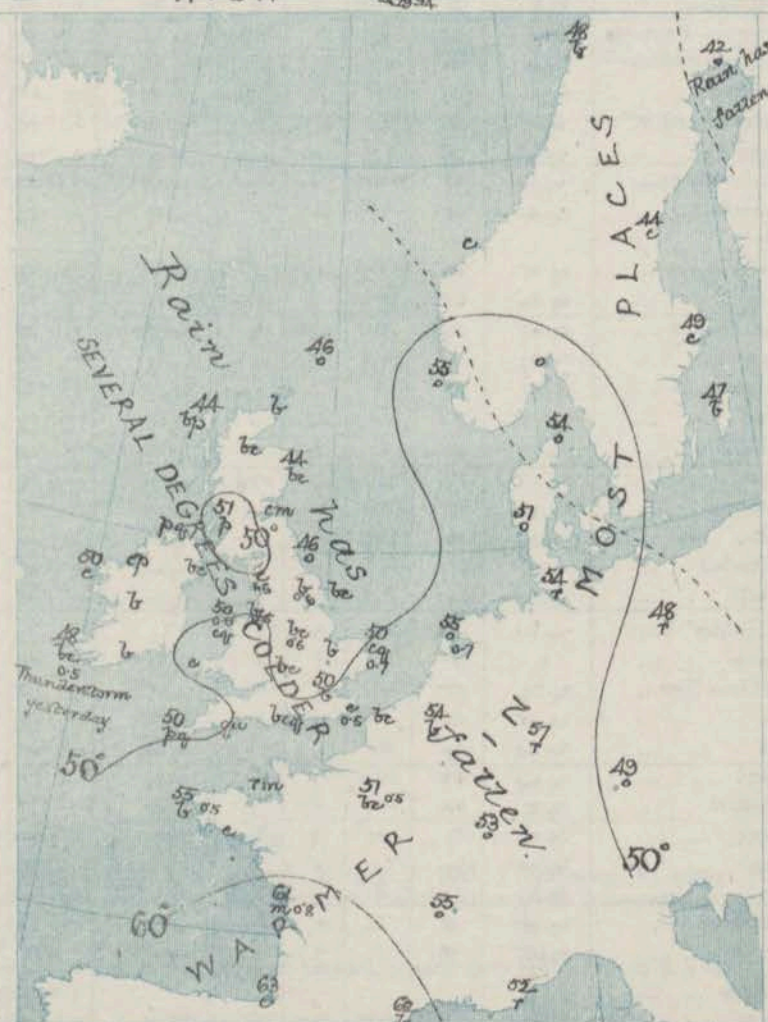
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of October.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	10 A.M.	5 P.M.	
Sumburgh Head	49.5	41.5	43.9	44.4	4.33
Stornoway	50.2	38.8	43.1	43.9	4.94
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	42.5	2.38
Aberdeen	52.1	41.3	45.5	43.5	2.88
Leith	53.8	41.9	46.7	45.1	1.94
Shields	53.2	42.1	47.3	45.6	2.46
York	55.2	40.9	46.0	44.7	2.64
Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	53.2	43.2	47.8	46.8	3.35
Holyhead	54.0	47.5	50.4	48.6	4.88
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	6.09
Roche's Point	55.6	46.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.5	49.3	4.13
Silly	56.8	50.7	53.9	52.0	3.84
Hurst Castle	57.7	46.8	51.5	50.6	3.24
Dover	56.2	47.8	51.5	49.4	3.28
LONDON	57.1	43.5	48.4	46.9	2.74
Oxford	55.7	42.9	47.0	45.8	2.72
Cambridge	57.0	41.6	46.6	45.7	2.36
Yarmouth	54.9	45.1	49.5	48.2	2.97

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





## GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 in at Linton; relatively high 29.7 in and upwards over the Gulf of Bothnia. Lowest, 29.0 in and less in a large area of low-pressure lying over the North Sea. steep gradient for S and SE winds over Scandinavia and Denmark.

## TEMPERATURE

Highest,  $63^{\circ}$  at Biarritz and  $62^{\circ}$  at Perpignan and Sison; highest in our islands  $53^{\circ}$  at Hurst Castle.  
Lowest,  $42^{\circ}$  at Haparanda and  $43^{\circ}$  at Bangsö.

## WIND

Strong to a gale from SE in Norway and Denmark.  
Wt in our inlands and France, SWt in the Netherlands  
Moderate at all our more eastern and northern stations, strong in the Channel. Wt gale in the Bay of Biscay.

## WEATHER

Rainy in Germany: dull on the eastern shores of the North Sea.  
Fair or fine elsewhere, but passing showers reported on our extreme north-west coasts.

## SEA

High in the Bay of Biscay and also at Mundesnaes, rough in the Channel, moderate to smooth elsewhere.

The low-pressure system over the North Sea will probably travel eastwards, but as the barometer is relatively high over Northern Europe its progress is likely to be slow.

The mercury is at present rising steadily on our western coasts, but at Valencia and in London the upper clouds are moving from the westward, and it is therefore not unlikely that a new depression will shortly approach our western coasts.

## FORECASTS

for the 24 hours ending at NOON on 14<sup>th</sup> October 1896

DISTRICTS.		FORECASTS.		DISTRICTS.		FORECASTS.	
0	SCOTLAND NORTH	W <sup>ly</sup> to SW <sup>ly</sup> winds, light, fair generally, but some rain.		6	SCOTLAND WEST	W <sup>ly</sup> to SW <sup>ly</sup> winds, freshening, fair to unsettled and some rain.	
1	SCOTLAND EAST	D <sup>o</sup>	D <sup>o</sup>	7	ENGLAND N. W.	D <sup>o</sup>	D <sup>o</sup>
2	ENGLAND N. E.	Same as N <sup>o</sup> 5.		8	ENGLAND S. W.	Winds backing to SW or S and increasing in force, fair to squally and rainy.	
3	ENGLAND EAST	Same as N <sup>o</sup> 5.		* 9	IRELAND NORTH	D <sup>o</sup>	D <sup>o</sup>
4	MIDLAND COUNTIES	Same as N <sup>o</sup> 5.		* 10	IRELAND SOUTH	D <sup>o</sup>	D <sup>o</sup>
5	ENGLAND SOUTH	W <sup>ly</sup> to SW <sup>ly</sup> winds, fresh or strong, fair to unsettled and some rain.		WARNINGS			
				The S. cone has been lowered in districts 0 to 3 and 5 to 8. A star is inserted against those districts in which the signals are not fixed.			



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes ...	29.37	55	53	SSE 8	r	6	Holyhead ...	29.17	57	51	2	0	rm	5
Sumburgh Head ...	28.90	52	50	S 4	0	4	Valencia ...	29.22	58	55	WNW 4	c	4	
Stornoway ...	28.97	52	51	SSW 3	bp	3	Scilly ...							
Aberdeen ...	29.05	55	52	SSW 5	0	4	Dungeness ...	29.56	61	58	SW 6	0	5	
Shields ...	29.17	59	55	SSW 6	op	2	London ...	29.46	61	56	SSE 6	og	4	
Ardrossan ...	29.10	52	50	SW 3	0	3	Yarmouth ...	29.52	60	56	SSW 6	cg	4	
Malin Head ...	29.09	52	49	WNW 3	c	5	Jersey ...	29.47	57	57	S 7	r	6	
Mullaghmore ...	29.12	55	52	W 4	bc	4	Rochefort ...	29.90	62	59	S 5	r	2	
Belmullet ...	29.14	54	50	W 2	c	4								

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

(For conditions at 8 a.m. today see pp 2 and 3.)

The Continental Reports for yesterday showed that areas of high pressure with readings exceeding 30.1 ins. were lying over Central, South eastern, and Southern Europe, while a deep depression in the centre of which the barometer was below 29.0 ins. was reported to the westward of the Hebrides. In the neighbourhood of the high pressure system the wind was light and variable, but over Western Europe it varied between S. and SW., and on the west coasts of the British Islands it blew with the force of a gale. The weather was dull in most of the western and northern countries, with rain in many parts of the United Kingdom, but over Eastern and Southern Europe conditions were fair. Temperature had risen over the British Isles and north of France, and also in Spain and the Netherlands, but fallen elsewhere; readings ranged from a little above 70° on the southern shores of the Mediterranean to 32° in the northern part of Sweden and Russia. The highest individual readings were 73° at Malta, 72° at Brindisi, and 71° at Riga, the lowest were 33° at Haparanda and Archangel, 35° at Uleaborg and 39° at Kuopio.

In the course of the day the deep depression off the northwest of our Islands moved eastwards, while a well defined subsidiary disturbance passed across the north of England in a similar direction. The latter occasioned strong S. or SW. gales on our south and south east coasts, with heavy rain in many places. In the evening a thunderstorm occurred at Valencia, and lightning was seen at Rochefort.

### 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 14<sup>th</sup> October 1886.

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

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

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Weather.	Max.		Min.	
	In.	°					In.	In.	°	°	°				°	°	In.		
SCANDINAVIA.																			
Haparanda ...	29.88	43	S	2	O		29.87	+ .08	41	40	- 1	SE	2	c	4	45	39	In.	
Hernösand ...	29.69	45	S	6	O		29.58	- .16	46	45	+ 2	ESE	8	h	4	48	41	.	
Stockholm ...	29.58	50	SE	6	O		29.60	- .15	52	50	+ 3	SE	2	f	4	55	43	0.08	
Wisby ...	29.53	51	ESE	4	h		29.55	- .17	50	49	+ 3	S	4	bc	4	54	41	0.20	
Bodö ...	29.45	52	ESE	6	b		29.45	+ .06	50	46	+ 2	E	4	b	5	54	46	.	
Christiansund...	29.04	55	SE	7	O		29.02	- .04	56	46	- 4	SE	7	b	2	61	52	.	
Skudesnaes ...	28.75	54	ESE	8	O		29.19	+ .19	49	47	- 6	WNW	8	h	6	57	?	.	
Christiania Fjord (Fjorder)	29.10	52	SSE	6	h		29.32	- .02	53	49	- 1	SSE	5	c	6	54	50	0.51	
Skagen (The Scaw)	29.17	51	S	4	b		29.41	+ .15	51	48	- 3	SW	5	bc	3	55	50	0.35	
Faro ...	29.28	52	SW	5	b		29.45	+ .42	50	49	- 1	S	4	c	4	57	48	0.51	
Sumburgh Head	29.03	48	WNW	1	c		29.24	+ .25	47	45	+ 1	WNW	1	c	2	50	43	0.01	
Stornoway ...	29.17	46	W	3	p		29.37	+ .30	45	45	+ 1	WNW	3	bc	2	54	38	0.13	
Wick ...	29.11	45	W	1	bc		29.36	+ .30	47	45	+ 2	W	1	bc	0	54	39	.	
Nairn ...	29.14	46	SW	1	c		29.38	+ .30	46	42	+ 1	SW	1	b	1	56	41	.	
Aberdeen...	29.14	49	WNW	3	b		29.41	+ .34	40	39	- 4	WNW	1	bw	1	55	37	.	
Leith ...	29.23	49	W	1	bc		29.46	+ .31	46	45	+ 1	W	1	bc	4	54	42	.	
Shields ...	29.24	50	W	3	bc		29.49	+ .35	45	44	- 1	WNW	3	bc	2	55	42	.	
Spurn Head ...	29.32	51	WNW	4	bc		29.56	+ .38	47	45	- 3	WNW	4	b	2	55	45	.	
York ...	29.32	49	W	1	b		29.55	+ .36	44	43	- 3	SW	1	b	2	55	40	.	
Loughborough	29.38	47	W	2	bc		29.60	+ .32	44	43	- 3	ESE	2	cw	3	56	42	0.08	
ARDROSSAN	29.25	51	W	2	b		29.49	+ .32	51	48	0	W	3	bc	2	55	48	0.01	
Malin Head ...	29.26	50	WNW	4	bc		29.50	+ .33	51	49	+ 2	WNW	4	bc	4	54	46	0.10	
Mullaghmore ...	29.34	50	WNW	5	c		29.58	+ .34	51	48	+ 2	WNW	5	bc	5	55	47	0.37	
Behnullet ...	29.35	50	W	5	op		29.63	+ .35	51	48	+ 1	W	2	bc	4	54	48	0.44	
Donaghadee ...	29.32	45	W	3	b		29.53	+ .31	46	48	+ 3	W	2	b	0	55	41	.	
BRITISH ISLANDS.																			
Barrow-in-Farress	29.33	52	WNW	4	c		29.52	+ .30	50	48	0	W	2	bc	4	54	49	0.16	
Liverpool (Bidston)	29.36	49	W	4	b		29.55	+ .29	49	48	- 1	W	3	h	4	53	46	0.43	
Holyhead ...	29.38	50	WNW	3	b		29.58	+ .29	51	49	+ 1	WNW	5	bc	5	54	49	0.06	
Parsonstown ...	29.46	47	SW	2	c		29.67	+ .31	49	47	+ 3	SW	1	bc	4	54	44	0.15	
Valencia ...	29.54	51	W	4	cp		29.74	+ .31	52	50	+ 4	WNW	3	op	3	55	48	0.26	
Roche's Point...	29.55	51	W	4	b		29.74	+ .33	51	49	+ 3	WNW	3	b	4	53	45	0.10	
Pembroke ...	29.46	53	WNW	5	c		29.68	+ .31	53	50	+ 1	WNW	6	c	5	54	50	.	
Scilly ...																		.	
Prawle Point ...	29.54	47	WNW	6	c		29.74	+ .26	53	50	+ 3	WNW	5	bc	5	55	45	0.35	
Jersey ...	29.59	53	WNW	7	c		29.77	+ .23	55	53	+ 4	WNW	8	bc	6	57	48	0.37	
Hurst Castle ...	29.49	48	W	3	bc		29.70	+ .30	51	50	- 2	WNW	4	c	4	59	47	0.01	
Dungeness ...	29.41	52	WNW	5	c		29.61	+ .24	45	44	- 7	WNW	3	b	3	58	40	.	
London ...	29.46	48	W	2	b		29.66	+ .30	46	45	- 4	W	2	b	4	57	40	.	
Oxford ...	29.47	45	SW	3	c		29.66	+ .30	46	45	- 2	SW	3	b	4	57	41	0.01	
Cambridge ...	29.40	49	WNW	2	c		29.64	+ .32	46	45	- 4	SW	1	b	4	59	37	.	
Yarmouth ...	29.46	51	WNW	3	bc		29.60	+ .39	44	43	- 6	W	4	b	3	56	41	.	
Cuxhaven ...	29.37	50	SW	3	c		29.53	+ .37	49	48	- 5	SW	2	b	4	54	46	.	
Berlin ...	29.53	51	SW	1	b		29.65	+ .15	49	47	+ 1	SW	1	c	4	57	48	.	
Wiesbaden ...							29.70	+ .26	50	48	- 7	SW	3	c	4	61	48	0.16	
Munich ...	29.79	47	W	3	O		29.80	+ .06	47	43	- 2	SW	6	h	4	65	41	0.16	
GERMANY.																			
The Helder ...	29.39	54	WNW	3	c		29.56	?	49	48	- 6	SSW	1	h	2	55	48	0.59	
Brussels ...							29.68	+ .29	47	45	- 7	WNW	4	bc	4	56	45	0.28	
Cape Gris Nez...	29.50	54	WNW	7	c		29.63	+ .25	50	49	- 5	W	5	b	4	57	48	.	
Paris ...	29.67	52	SSW	3	O		29.80	+ .22	47	45	- 4	WNW	4	c	4	60	46	0.24	
Brest ...	29.73	58	W	7	b		29.87	+ .23	56	52	+ 1	W	7	c	6	59	50	0.08	
Lorient ...	29.76	56	W	9	c		29.91	+ .24	57	52	0	W	7	bc	5	66	48	0.16	
Roche fort ...	29.91	59	W	9	h		30.00	+ .15	60	54	- 1	WNW	8	b	3	64	52	0.24	
Belfort ...	29.75	51	W	3	bc		29.86	+ .13	47	46	- 6	W	3	c	4	82	45	0.35	
Lyons ...	29.91	52	W	1	b		29.98	+ .17	50	45	- 5	SSW	3	b	4	65	45	0.04	
Nice ...	29.67	65	WNW	4	b		29.77	+ .11	53	56	+ 1	SSW	4	b	5	72	60	0.55	
PERPIGNAN	29.99	63	W	7	O		30.07	+ .13	57	52	- 5	W	4	bc	4	71	56	.	
Biarritz ...	30.08	64	W	8	c		30.11	+ .11	60	58	- 3	WNW	8	c	7	66	55	0.04	
CORUNNA																		.	
Lisbon ...	30.23	62	W	7	b		30.26	- .06	57	54	- 5	W	0	b	5	68	55	.	
PENINSULA.																		.	

For Explanation of Columns, see p. 4.



## 1886

(Explanation of Map)

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

$\rightarrow$  = forces above  $W_1$   $\rightarrow$  forces  $3$  to  $W_1$   
 $\rightarrow$  = forces  $5$  to  $W_1$   $\rightarrow$  = forces  $1$  to  $W_1$   
 $\odot$  = dead: calm.

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

A hand-drawn weather map of the North Atlantic region, showing a low-pressure system (L) moving northeast and a high-pressure system (H) moving southwest. The map includes isobars, wind directions, and handwritten notes.

- Low-Pressure System (L):** Located in the center of the map, with a central pressure of 29.0. It is surrounded by isobars ranging from 29.1 to 29.8. A handwritten note "Bar: falling here" is written near the low.
- High-Pressure System (H):** Located in the bottom left corner, with a central pressure of 30.1. It is surrounded by isobars ranging from 30.0 to 30.1. A handwritten note "HIGH" is written near the high.
- Isobars:** Hand-drawn lines representing pressure levels, labeled with values such as 29.1, 29.2, 29.3, 29.4, 29.5, 29.6, 29.7, 29.8, 29.9, 30.0, and 30.1.
- Wind Directions:** Indicated by arrows showing the flow of air. Arrows point from the high towards the low, generally following the isobars.
- Handwritten Notes:**
  - "Bar: falling here" near the low-pressure system.
  - "Boreometer" near the 29.4 isobar.
  - "LOW" near the bottom right corner.
  - "HIGH" near the bottom left corner.
- Other Features:**
  - Shaded areas representing landmasses (North America, Europe, and Africa).
  - Latitude and longitude lines are faintly visible in the background.

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

for the month of October.

A hand-drawn weather map of the United States, showing various weather conditions and temperature readings. The map includes the following features:

- Geographical Labels:** "Rain", "WARMER", "Thunder and Lightning", "has fallen", "D", "O", "60°", "50°", "40°", "30°", "20°", "10°", "0°", "10°", "20°", "30°", "40°", "50°", "60°".
- Weather Conditions:** "Rain", "WARMER", "Thunder and Lightning", "has fallen", "D", "O", "60°", "50°", "40°", "30°", "20°", "10°", "0°", "10°", "20°", "30°", "40°", "50°", "60°".
- Temperature Readings:** "45", "50", "55", "60", "65", "70", "75", "80", "85", "90", "95", "100", "105", "110", "115", "120", "125", "130", "135", "140", "145", "150", "155", "160", "165", "170", "175", "180", "185", "190", "195", "200", "205", "210", "215", "220", "225", "230", "235", "240", "245", "250", "255", "260", "265", "270", "275", "280", "285", "290", "295", "300", "305", "310", "315", "320", "325", "330", "335", "340", "345", "350", "355", "360", "365", "370", "375", "380", "385", "390", "395", "400", "405", "410", "415", "420", "425", "430", "435", "440", "445", "450", "455", "460", "465", "470", "475", "480", "485", "490", "495", "500", "505", "510", "515", "520", "525", "530", "535", "540", "545", "550", "555", "560", "565", "570", "575", "580", "585", "590", "595", "600", "605", "610", "615", "620", "625", "630", "635", "640", "645", "650", "655", "660", "665", "670", "675", "680", "685", "690", "695", "700", "705", "710", "715", "720", "725", "730", "735", "740", "745", "750", "755", "760", "765", "770", "775", "780", "785", "790", "795", "800", "805", "810", "815", "820", "825", "830", "835", "840", "845", "850", "855", "860", "865", "870", "875", "880", "885", "890", "895", "900", "905", "910", "915", "920", "925", "930", "935", "940", "945", "950", "955", "960", "965", "970", "975", "980", "985", "990", "995", "1000".
- Other Markings:** "41", "46", "50", "53", "57", "61", "65", "69", "73", "77", "81", "85", "89", "93", "97", "101", "105", "109", "113", "117", "121", "125", "129", "133", "137", "141", "145", "149", "153", "157", "161", "165", "169", "173", "177", "181", "185", "189", "193", "197", "201", "205", "209", "213", "217", "221", "225", "229", "233", "237", "241", "245", "249", "253", "257", "261", "265", "269", "273", "277", "281", "285", "289", "293", "297", "301", "305", "309", "313", "317", "321", "325", "329", "333", "337", "341", "345", "349", "353", "357", "361", "365", "369", "373", "377", "381", "385", "389", "393", "397", "401", "405", "409", "413", "417", "421", "425", "429", "433", "437", "441", "445", "449", "453", "457", "461", "465", "469", "473", "477", "481", "485", "489", "493", "497", "501", "505", "509", "513", "517", "521", "525", "529", "533", "537", "541", "545", "549", "553", "557", "561", "565", "569", "573", "577", "581", "585", "589", "593", "597", "601", "605", "609", "613", "617", "621", "625", "629", "633", "637", "641", "645", "649", "653", "657", "661", "665", "669", "673", "677", "681", "685", "689", "693", "697", "701", "705", "709", "713", "717", "721", "725", "729", "733", "737", "741", "745", "749", "753", "757", "761", "765", "769", "773", "777", "781", "785", "789", "793", "797", "801", "805", "809", "813", "817", "821", "825", "829", "833", "837", "841", "845", "849", "853", "857", "861", "865", "869", "873", "877", "881", "885", "889", "893", "897", "901", "905", "909", "913", "917", "921", "925", "929", "933", "937", "941", "945", "949", "953", "957", "961", "965", "969", "973", "977", "981", "985", "989", "993", "997", "1000".

NOTE - The Temperature means are for the 10 years 1871-80, the Rainfall means are mainly those for the 36 years 1866-85.



## GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 in. and upwards, over Spain, but relatively high 29.8 in. and upwards in Lapland.  
Lowest, 29.1 in. and less, in a depression lying off the west of Norway.  
A small shallow disturbance is at present situated over the northwest of England.

TEMPERATURE

Highest,  $60^{\circ}$  at Rochefort and Biarritz: highest in our Islands  $55^{\circ}$  at Jersey.  
Lowest,  $40^{\circ}$  at Aberdeen and  $41^{\circ}$  at Naparanda).

In London the thermometer on the grass fell last night to  $32^{\circ}$ .

WIND

SE<sup>2</sup> in Scandinavia, with gales at Hvosand and Christiansund.

Moderate SW<sup>2</sup> over Germany, and the north and east of our Islands.

W. or NW<sup>ly</sup> elsewhere, with a fresh gale at Jersey and in the Bay of Biscay.

WEATHER

Rainy in the north-west of England, showery in the west of Scotland and north of Ireland.  
Dine in most other localities.

Rain fell yesterday at most of our western, southern, and extreme northern stations.

SEA

High at Biarritz, rough at Jersey, and rather rough on all the more exposed parts of our western and southern  
Coasts.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression over the northwest of England will probably move eastwards, and occasion an extension of unsettled weather to our eastern and possibly our southern stations.

The barometer appears to be rising steadily in the west, and the wind there shows no signs of backing, but at Babbacombe and Jersey a cirrus cloud is reported to be moving fast from the northward.

It is therefore not unlikely that a new depression is approaching our western coasts from the Atlantic.

## FORECASTS

For the 24 hours ending at NOON on 15<sup>th</sup> OCTOBER. 1886.

DISTRICTS.

## FORECASTS.

0	SCOTLAND NORTH	W <sup>ly</sup> and SW <sup>ly</sup> winds, moderate, fair generally, but some showers.
1	SCOTLAND EAST	D° D° D°
2	ENGLAND N.E.	D° D° D°
3	ENGLAND EAST	Same as N° 5
4	MIDLAND COUNTIES	Same as N° 5.
5	ENGLAND SOUTH	W <sup>ly</sup> winds, moderate; fair, but unsettled and some rain.

## DISTRICTS

## FORECASTS.

6	SCOTLAND WEST	W <sup>2</sup> to SW <sup>2</sup> winds, moderate; fair generally, but some showers.
7	ENGLAND N. W.	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----
8	ENGLAND S. W.	W <sup>2</sup> to SW <sup>2</sup> winds, moderate or fresh; fair to unsettled and some rain.
9	IRELAND NORTH	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----
10	IRELAND SOUTH	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----
WARNINGS		NONE ISSUED.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	28.79	56	51	ESE 4	h	6	Holyhead ...	29.45	53	49	W 4	bc	4
Sumburgh Head ...	29.03	50	47	Z 0	c	2	Valencia ...	29.50	52	49	W 6	cyp	6
Stornoway ...	29.13	53	49	W 3	bp	2	Scilly ...						
Aberdeen ...	29.09	55	50	W 3	bc	2	Dungeness ...	29.38	55	51	W 5	c	5
Shields ...	29.19	55	50	W 3	c	2	London ...	29.42	54	49	W 4	c	*
Ardrossan ...	29.21	53	48	W 4	b	3	Yarmouth ...	29.33	55	50	W 4	bc	3
Malin Head ...	29.22	52	47	W 4	bc	5	Jersey ...	29.58	54	50	W 8	c	7
Mullaghmore ...	29.29	53	49	W 6	cyp	6	Rocheport ...						
Belmullet ...	29.33	54	50	W 5	c	*							

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

(For condition at 8 am today see pp 2 and 3.)

Yesterday morning observations showed that pressure was highest (29.9 ins. to 30.1 ins.) over the Mediterranean and Southwestern and Southeastern Europe, lowest to the northward of the British Islands, and in a depression over the North Sea. Temperature had fallen over the United Kingdom and varied from a little above 60° in the south and southwest of France, and from between 50° and 60° over the other part of France, the North Sea, and the southern half of Scandinavia to rather below 40° over Austria and the southwest of Russia and to 44° over some of the northern and western parts of the British Islands. The highest 8 am readings recorded were 73° at Barcelona, 70° at Sfax, Algiers, and Malta, and 66° at Aoste; the lowest 35° at Hermannstadt, 42° at Haparanda, and 44° at Aberdeen and Stornoway. The weather was fair as a whole over the United Kingdom, showery in France, and rather so to the eastward of the North Sea.

Later in the day showers of rain fell again in Germany, France, Ireland, and the southwest of England, and temperature did not reach 60° in any part of the United Kingdom. Over England the thermometer fell decidedly as night came on and the sky cleared.

### 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 15<sup>th</sup> October 1886.

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

Issued by the Meteorological Office, 16 Victoria Street, London, R. H. SCOTT, Secretary.																			
STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Inch.	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 ..	29.87	43	SE	2	0	29.90	+0.03	42	41	+1	SE	2	0	3	45	39	Inch.	
	Hernösand ...	29.71	45	Z	0	f	29.76	+0.05	45	45	-1	Z	0	f	3	48	45	0.08	
	Stockholm ...	29.72	46	S	2	c	29.75	+0.03	47	46	-5	Z	0	A	3	55	43	-	
	Wisby ...	29.69	45	S	4	0	29.71	+0.02	48	47	-2	SSW	4	e	3	55	43	-	
	Bodö ...	29.40	49	ESE	8	0	29.61	+0.21	49	46	-1	SW	1	c	1	50	46	-	
	Christiansund...	29.39	47	SW	6	0	29.56	+0.17	43	41	-13	E	2	b	3	52	41	-	
	Skudesnaes ...	29.56	51	SSW	2	c	29.53	+0.03	50	46	+1	SE	7	e	5	55	41	0.08	
	Christiania Fjord (Færder)	29.59	53	WSW	6	b	29.63	+0.04	48	47	-5	WNW	2	0	3	54	48	-	
	Skagen (The Scaw)	29.62	50	WSW	1	c	29.64	+0.02	50	48	-1	SW	2	b	1	55	45	-	
	Fanø ...	29.70	47	S	1	c	29.62	+0.08	48	46	-2	S	4	b	3	54	43	0.20	
BRITISH ISLANDS.	Sumburgh Head	29.41	47	WSW	2	A	29.37	+0.04	47	45	0	Z	0	b	1	54	41	0.18	
	Stornoway ...	29.44	47	WSW	3	cp	29.21	-0.23	47	45	+2	E	4	cg	4	53	36	0.01	
	Wick ...	29.44	48	NW	1	b	29.26	-0.18	50	49	+3	S	3	b	1	54	33	-	
	Nairn ...	29.47	49	SSW	1	b	29.21	-0.26	43	42	-3	ESE	1	0	1	55	37	0.01	
	Aberdeen...	29.49	48	W	1	b	29.23	-0.26	51	49	+11	SE	5	0	4	59	34	-	
	Leith ...	29.55	50	W	1	b	29.10	-0.45	50	48	+4	ESE	4	0	4	58	43	0.02	
	Shields ...	29.60	51	W	2	c	29.07	-0.53	51	51	+6	ESE	4	0	5	57	36	0.11	
	Spurn Head ...	29.64	52	WSW	3	b	29.08	-0.56	54	53	+7	SE	5	cg	5	56	37	0.20	
	York ...	29.60	50	W	1	b	29.04	-0.56	51	51	+7	ESE	3	0	4	56	43	0.23	
	Loughborough	29.79	49	W	1	c	29.02	-0.77	55	55	+11	ESE	3	0	4	59	44	0.24	
GERMANY.	Ardrossan ...	29.53	52	SSW	2	b	28.91	-0.62	48	46	-3	ESE	4	0	3	57	46	0.12	
	Malin Head ...	29.47	49	SE	3	0	28.76	-0.71	48	48	-3	ESE	9	onmg	7	55	43	0.12	
	Mullaghmore ...	29.44	52	SE	5	og	28.66	-0.78	51	51	0	ESE	7	og	6	57	48	0.42	
	Belmullet ...	29.36	50	SE	5	A	28.72	-0.64	52	51	+1	NE	6	A	3	54	49	0.36	
	Donaghadee ...	29.55	48	SSW	2	c	28.76	-0.79	53	53	+7	E	7	A	5	57	40	0.94	
	Barrow-in-Furness	29.61	52	S	3	0	28.88	-0.73	55	50	+5	E	6	A	3	51	48	0.32	
	Liverpool (Bidston)	29.65	50	S	1	0	28.84	-0.81	55	54	+6	ESE	5	A	4	55	48	0.12	
	Holyhead ...	29.62	53	SSW	2	0	28.74	-0.88	56	56	+5	E	4	og	4	56	50	0.34	
	Parsonstown ...	29.47	50	SE	2	0	28.61	-0.86	55	54	+6	SW	2	0	3	56	48	0.71	
	Valencia ...	29.23	55	SE	8	mty	28.96	-0.27	53	52	+1	W	9	og	8	59	52	0.28	
FRANCE & NETHERLANDS.	Roche's Point...	29.44	54	S	7	A	28.81	-0.63	57	54	+6	W	7	c	7	57	51	0.26	
	Pembroke ...	29.64	55	SSW	4	c	28.80	-0.84	56	55	+3	SW	9	0	8	57	38	0.55	
	Scilly ...																		
	Prawle Point ...	29.76	55	SW	4	0	29.15	-0.61	54	52	+1	SW	10	og	8	60	50	0.28	
	Jersey ...	29.83	56	WSW	4	0	29.34	-0.49	57	55	+2	WSW	9	onog	7	59	53	0.49	
	Hurst Castle ...	29.77	55	WNW	4	c	29.16	-0.61	57	56	+6	W	10	mty	5	59	51	0.20	
	Dungeness ...	29.73	53	WNW	3	b	29.22	-0.51	57	57	+12	SSW	8	A	6	63	45	0.11	
	London ...	29.74	50	W	2	0	29.12	-0.62	57	55	+11	SSW	5	cg	3	59	45	0.14	
	Oxford ...	29.71	49	W	2	0	29.06	-0.65	57	55	+11	S	4	og	3	58	45	0.20	
	Cambridge ...	29.70	48	W	1	b	29.08	-0.62	56	55	+10	S	1	A	3	59	44	0.12	
PENIN. ISLANDS.	Yarmouth ...	29.69	51	WSW	1	b	29.25	-0.44	54	53	+10	ESE	8	og	6	56	44	0.18	
	Cuxhaven ...	29.70	50	SW	2	c	29.70	+0.01	44	43	-5	S	2	c	2	53	43	-	
	Berlin ...	29.76	50	Z	0	c	29.84	+0.08	43	43	-6	Z	0	f	3	57	43	0.82	
	Wiesbaden ...						29.84	+0.08	46	45	-4	W	1	0	3	55	39	0.16	
	Munich ...	29.93	40	SW	4	b	29.94	+0.01	42	41	-5	SW	4	c	3	52	39	0.04	
	The Helder ...	29.73	53	WSW	1	b	29.50	-0.23	47	46	-2	SSW	4	0	3	55	49	0.08	
	Brussels ...						29.49	-0.24	51	50	+4	SW	8	0	3	57	47	-	
	Cape Gris Nez...	29.76	56	S	5	b	29.40	-0.36	53	53	+3	S	8	A	6	59	50	0.08	
	Paris ...	29.90	47	S	1	b	29.60	-0.30	54	51	+7	SSW	5	A	3	56	46	0.24	
	Brest ...	29.81	58	SSW	5	A	29.48	-0.33	59	56	+3	WNW	9	A	7	63	51	0.16	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Friday, 15<sup>th</sup> OCTOBER, 1886.

## BAROMETER, WIND & SEA.

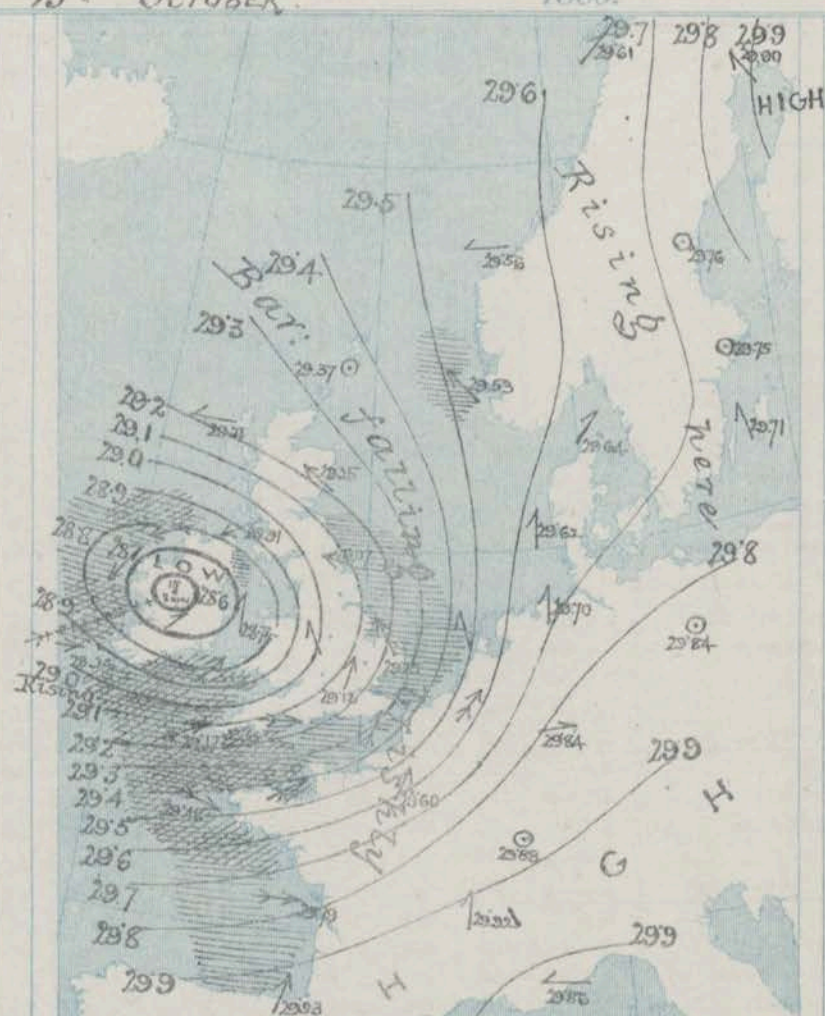
(Explanation of Map)

**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 10 Years 1871—1880.

STATIONS.	MEAN READINGS
	in.
Sumburgh Head	29.685
Stornoway	29.707
Wick	29.718
Nairn	29.738
Aberdeen	29.748
Leith	29.780
Shields	29.821
York	29.860
Ardrossan	29.749
Donaghadee	29.805
Holyhead	29.830
Liverpool	29.848
Valencia	29.842
Roche's Point	29.843
Pembroke	29.847
Seilly	29.877
Hurst Castle	29.894
Dover	29.907
LONDON	29.902
Oxford	29.891
Cambridge	29.894
Yarmouth	29.880



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

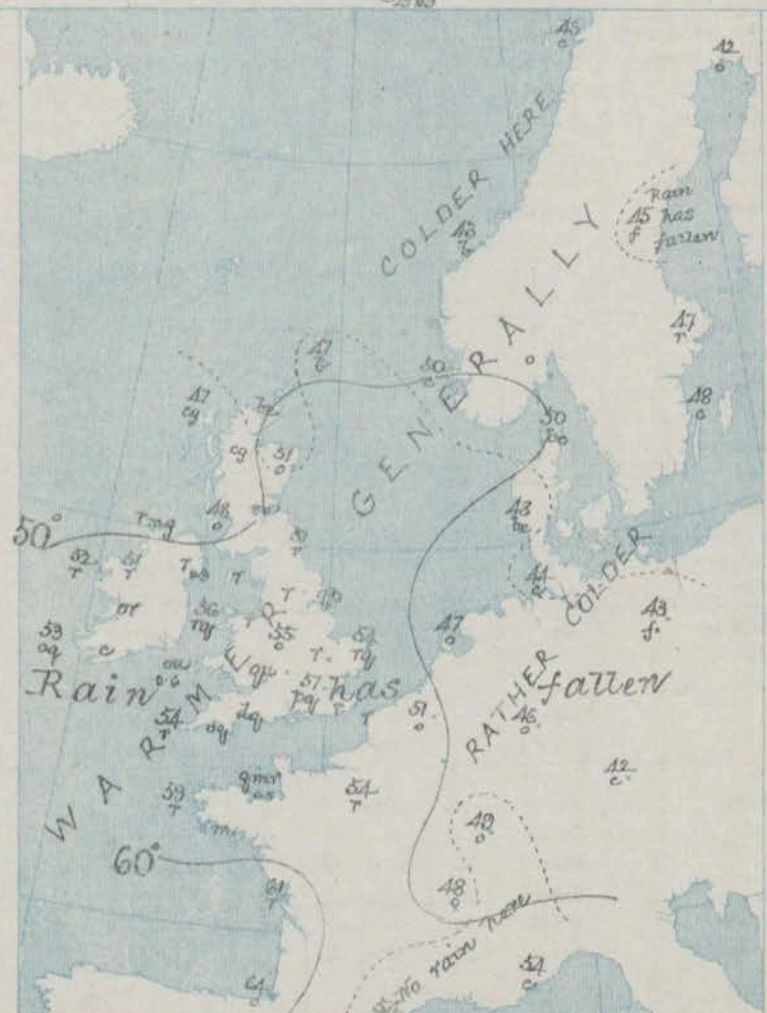
**Temperature**—Isotherms are drawn for each 10° changes since previous morning are stated in words.  
**Weather** is shown by Letters of the Beaufort Scale.  
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are 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	49.5	41.6	45.0	44.4	4.33
Stornoway	50.2	38.5	45.1	43.0	4.04
Wick	51.5	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	42.5	2.33
Aberdeen	52.1	41.3	45.5	43.5	2.88
Leith	55.3	41.9	46.7	45.1	1.94
Shields	53.2	43.1	47.3	45.5	2.46
York	55.2	40.9	46.0	44.7	2.64
Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	58.2	43.2	47.8	46.3	3.35
Holyhead	54.9	47.5	50.4	48.6	4.53
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	6.09
Roche's Point	55.6	46.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.5	49.4	4.13
Seilly	56.8	50.7	53.9	52.0	3.84
Hurst Castle	57.7	46.8	51.5	50.5	3.24
Dover	56.2	47.8	51.5	49.4	3.25
LONDON	57.1	43.5	48.4	46.9	2.74
Oxford	55.7	42.9	47.0	45.8	2.72
Cambridge	57.0	41.6	46.6	45.7	2.36
Yarmouth	54.9	45.1	49.5	48.2	2.07

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.2 mm. and upwards in Portugal, but relatively high (29.9 mm.) at Haparanda. (Lowest, 28.8 mm. and less in the centre of a deep depression lying over Ireland. At Valencia a recovery of pressure has taken place since 10 pm.
TEMPERATURE	Highest, 64° at Biscaya, 63° at Lisbon and 61° at Rochefort. (Lowest, 42° at Haparanda, and 41° at Lumburg Head, Stormoey and Naun. Since yesterday a general rise has occurred.
WIND	Light or moderate from SE. or S. in Scandinavia, Denmark, and the north and east of Scotland. (Moderate or fresh gale from SE. in the east of England, and from E. in the north of Ireland. Strong to whole gale from between SW. and W. over the English Channel, our SW. coasts and the Bay of Biscay.
WEATHER	Fair in Norway, Denmark, and the north of Scotland. (Squally and rainy in England, Ireland and the west and north of France.
SEA	Very high on our southern coasts, high off the northwest of France and rough or rather so at all but our extreme northern stations.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past night the centre of a very deep depression has advanced directly over Ireland from the Atlantic.

The disturbance seems likely to travel in a NE or an ENE direction, and the SE gale now prevailing in the east of England will probably extend to our northern coasts.

The strong gale reported on our southern coasts may be expected to moderate somewhat; but as the progress of the depression is not likely to be rapid the improvement in this respect will probably be gradual.

## FORECASTS

for the 24 hours ending at NOON on 16<sup>th</sup> OCTOBER 1886.

### DISTRICTS.

### FORECASTS.

0 { SCOTLAND NORTH	E <sup>2</sup> and SE <sup>2</sup> winds, increasing to a gale; squally, rainy.
1 { SCOTLAND EAST	-----D <sup>2</sup> -----D <sup>2</sup> -----D <sup>2</sup> -----
2 { ENGLAND N. E.	SE <sup>2</sup> to S <sup>2</sup> strong winds and gales; squally and rainy to fair.
3 { ENGLAND EAST	Same as No 5
4 { MIDLAND COUNTIES	Same as No 5
5 { ENGLAND SOUTH	S <sup>2</sup> and SW <sup>2</sup> gales, moderating later; squally and showery to fair.

### DISTRICTS.

### FORECASTS.

6 { SCOTLAND WEST	E <sup>2</sup> and SE <sup>2</sup> gales, subsequently shifting to SW. or W.; squally, rainy.
7 { ENGLAND N. W.	-----D <sup>2</sup> -----D <sup>2</sup> -----D <sup>2</sup> -----
8 { ENGLAND S. W.	SW <sup>2</sup> and W <sup>2</sup> gales, showery, squally.
9 { IRELAND NORTH	E <sup>2</sup> gales, shifting to NW. or W; squally, rainy.
10 { IRELAND SOUTH	W <sup>2</sup> and NW <sup>2</sup> gales, moderating later; squally, showery.
WARNINGS	
The south cone was hoisted yesterday on all coasts and the signals are still flying.	



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.47	55	50	W 14	C	5	Holyhead ...	29.67	54	51	W 2	bc	3
Sumburgh Head	29.37	49	47	W 1	C	1	Valencia ...	29.59	55	53	S 5	om	5
Stornoway ...	29.42	52	48	W 4	bc	3	Scilly ...						
Aberdeen ...	29.47	56	51	S 2	bc	1	Dungeness ...	29.70	61	55	W 3	bc	3
Shields ...	29.57	57	51	W 3	bc	2	London ...	29.71	58	51	W 3	C	4
Ardrossan ...	29.55	54	50	W 2	C	2	Yarmouth ...	29.66	56	51	W 2	bc	3
Malin Head ...	29.54	54	50	W 3	C	4	Jersey ...	29.85	56	53	W 5	bc	5
Mullaghmore ...	29.57	54	49	W 4	om	3	Rochefort ...	30.06	62	58	W 8	C	3
Belmullet ...	29.55	54	51	S 3	C	2							

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

(For conditions at 8am today see pp 2 and 3)

The Reports for yesterday morning showed that pressure was highest 30.2 ins. over Spain, but relatively high 30.1 ins. and upwards over Central Russia. The lowest readings 29.1 ins. and less were found in a depression lying off the west of Norway, but a small shallow disturbance was situated over Northern Italy. Strong winds or gales from the SE<sup>nd</sup> prevailed over Northern, and moderate breezes from the S<sup>nd</sup> over Central Europe, but in the more western countries the wind was chiefly W<sup>3</sup>, and although light or moderate generally it blew with the force of a gale over the Bay of Biscay. The weather was rainy over the Netherlands, Germany, the shores of the Baltic and the south of Norway, as well as in the north-west of England, but fair in most other localities. Temperature had risen somewhat over Italy and Austria, and also in the west of our Islands, but fallen elsewhere, readings ranged from 70° and above in Algeria, Sicily, and Malta to 40° or less in Lapland and Southern Russia. The highest individual readings were 73° at Algiers, 71° at Palermo and Malta and 68° at La Calle, Sfax and Khiridi; the lowest were 36° at Archangel and Nicolaieff, 38° at Kiew, 40° at Aberdeen and 44° at Haparanda.

In the course of the day a deep depression began to approach our western coast, and the barometer in Ireland fell rapidly while the wind there backed to S. or SE. and increased in force, with rain. In other parts of our Islands conditions remained unaffected until late at night, when the barometric fall, the backing winds and the rain became 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).

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# DAILY WEATHER REPORT.

for Saturday 16<sup>th</sup> October 1886.

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

STATIONS.		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	Weather.	SHADE TEMP.		Amount of Rainfall.	
				Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.85	42	E	2	O	29.83	- .07	44	44	+ 2	SE	4	O	4	45	39	0.12	
	Hernösand ...	29.76	44	Z	O	b	29.75	- .01	44	43	- 1	Z	O	b	4	48	43	0.08	
	Stockholm ...	29.73	46	ESE	3	b	29.66	- .09	46	45	- 1	E	3	b	4	55	43	-	
	Wisby ...	29.72	45	SE	4	b	29.62	- .09	48	48	O	E	4	b	4	55	43	-	
	Bodö ...	29.65	47	Z	O	c	29.62	+ .01	45	42	- 4	ESE	2	c	1	50	43	-	
	Christiansund...	29.49	43	E	1	b	29.50	- .06	41	38	- 2	ESE	1	b	7	50	37	-	
	Skudesnaes ...	29.40	52	E	6	c	29.32	- .21	53	47	+ 3	E	6	O	4	54	50	-	
	Christiania Fjord (Fjærd)	29.56	49	NE	4	b	29.50	- .13	49	47	+ 1	ENE	6	O	2	52	48	0.51	
	Skagen (The Scaw)	29.49	51	S	3	b	29.41	- .23	52	49	+ 2	SSE	5	O	3	54	48	-	
	Fanö ...	29.25	48	SE	7	c	29.19	- .43	48	48	O	SE	6	c	4	52	46	0.12	
BRITISH ISLANDS.	Sumburgh Head	29.29	49	E	2	O	29.32	- .05	50	46	+ 3	NE	3	O	4	52	45	0.07	
	Stornoway ...	29.14	51	NE	6	ogm	29.30	+ .09	50	48	+ 3	NE	5	og	4	52	45	-	
	Wick ...	29.14	52	E	6	O	29.24	- .02	50	50	O	E	6	O	2	53	49	0.10	
	Nairn ...	29.06	51	ESE	4	O	29.16	- .05	51	51	+ 8	E	8	n	6	52	43	0.25	
	Aberdeen...	29.01	51	E	6	ng	29.09	- .16	52	51	+ 1	ENE	6	ogp	7	53	50	0.21	
	Leith ...	28.97	51	ESE	5	n	28.98	- .12	53	52	+ 3	ENE	4	n	4	53	49	0.06	
	Shields ...	28.72	53	ESE	4	O	28.78	- .29	52	52	+ 1	NE	6	pg	5	53	49	0.15	
	Spurn Head ...	28.72	53	S	5	h	28.70	- .38	49	48	- 5	SSE	4	nm	3	57	47	0.16	
	York ...	28.69	54	SSE	1	n	28.71	- .33	49	48	- 2	SE	1	n	4	57	47	0.20	
	Loughborough	28.74	52	SSW	5	n	28.64	- .38	47	46	- 8	ESE	1	ga	4	57	45	0.39	
GERMANY.	Ardrossan ...	28.72	53	ENE	6	O	29.01	+ .10	54	52	+ 6	NE	4	bgp	2	54	47	0.13	
	Malin Head ...	28.81	50	NE	8	n	29.13	+ .37	52	51	+ 4	N	8	ng	8	53	47	0.14	
	Mullaghmore ...	28.87	49	NW	8	ng	29.21	+ .53	53	50	+ 2	NW	9	ogp	7	53	49	1.10	
	Belmullet ...	29.08	47	N	11	n	29.42	+ .70	52	49	O	N	11	O	4	54	46	1.74	
	Donaghadee ...	28.62	54	E	7	O	28.98	+ .22	55	53	+ 2	NE	7	e	5	55	36	0.71	
	Barrow-in-Furness	28.59	53	ESE	3	O	28.74	- .14	55	53	O	N	4	O	4	57	50	0.17	
	Liverpool (Bidston)	28.38	54	S	2	e	28.72	- .12	51	49	- 4	NE	3	O	4	58	49	0.10	
	Holyhead ...	28.51	55	SW	4	n	28.79	+ .05	55	54	- 1	NE	8	ogm	6	56	53	0.36	
	Parsonstown ...	28.87	46	W	4	n	29.14	+ .53	52	47	- 3	NW	4	O	4	55	45	1.37	
	Valencia ...	29.23	52	NW	7	O	29.41	+ .45	53	50	O	NW	7	ogp	7	54	47	0.61	
FRANCE & NETHERLANDS.	Roche's Point...	29.06	51	NW	7	e	29.07	+ .26	52	52	- 5	NW	8	ng	6	57	50	0.25	
	Pembroke ...	28.84	54	WSW	10	O	28.75	- .05	54	54	- 2	NE	8	n	8	56	48	1.00	
	Scilly ...																		
	Prawle Point ...	29.11	54	WSW	10	O	28.68	- .47	53	52	- 1	NW	8	p	8	56	45	0.60	
	Jersey ...	29.29	55	W	10	eg	28.79	- .55	51	50	- 6	WSW	11	ogm	8	59	49	0.25	
	Hurst Castle ...	29.02	55	W	11	q	28.55	- .61	53	52	- 4	W	8	p	7	57	50	0.21	
	Dungeness ...	29.05	56	W	9	ng	28.71	- .51	53	51	- 4	WSW	6	c	6	60	49	0.83	
	London ...	28.93	52	SW	8	ng	28.65	- .47	51	47	- 6	SE	2	O	4	58	49	0.08	
	Oxford ...	28.85	51	W	7	n	28.60	- .46	47	46	- 10	SSE	2	n	4	57	47	0.42	
	Cambridge ...	28.83	51	S	3	O	28.68	- .40	50	47	- 6	SE	1	O	4	58	46	0.40	
PENINSULA.	Yarmouth ...	28.91	53	SSW	5	cq	28.76	- .49	51	48	- 3	SSW	4	b	4	58	48	0.18	
	Cuxhaven ...	29.42	50	S	6	n	29.21	- .49	50	49	+ 6	S	8	c	4	51	?	0.02	
	Berlin ...	29.60	48	SE	3	c	29.36	- .48	46	45	+ 3	SE	1	c	4	54	?	-	
	Wiesbaden ...	*	*	*	*	*	29.20	- .64	51	49	+ 5	W	4	O	4	55	?	0.55	
	Munich ...	29.68	46	Z	O	n	29.38	- .56	47	45	+ 5	SE	7	O	4	54	?	0.12	
	The Helder ...	29.04	53	S	5	n	28.94	- .56	50	49	+ 3	SSE	4	n	3	55	46	0.63	
	Brussels ...	*	*	*	*	*	28.95	- .54	47	47	- 4	S	5	n	4	59	47	0.39	
	Cape Gris Nez...	29.03	56	WSW	11	n	28.81	- .59	52	52	- 1	WSW	9	n	8	61	48	0.67	
	Paris ...	29.29	55	WSW	3	c	29.07	- .53	49	47	- 5	SW	4	c	4	63	48	0.43	
	Brest ...	29.48	57	NW	8	O	29.16	- .32	53	50	- 6	NW	11	O	9	61	50	0.16	
PENINSULA.	Lorient ...	29.59	59	W	9	O	29.20	- .36	55	50	- 5	NW	11	c	8	63	46	0.24	
	Rochefort ...	29.82	62	W	9	n	29.41	- .38	57	52	- 4	W	11	n	5	64	50	1.66	
	Belfort ...	29.85	80	W	4	n	29.16	- .72	50	49	+ 1	E	1	n	4	55	47	0.32	
	Lyons ...	29.78	56	S	3	O	29.25	- .67	54	52	+ 6	S	8	O	4	60	?	0.16	
	Nice ...	29.76	59	Z	O	O	29.53	- .33	56	56	+ 2	W	1	n	4	66	54	0.08	
	Perpignan ...	29.91	66	W	3	O	29.49	- .50	60	56	+ 6	NW	4	O	4	74	54	-	
PENINSULA.	Biarritz ...	29.97	65	WSW	8	O	29.67	- .26	54	53	- 10	W	11	n	4	72	50	0.12	
	Corunna ...																		
PENINSULA.	Lisbon ...																		

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on *Saturday, 16<sup>th</sup> October, 1886.*

## 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.

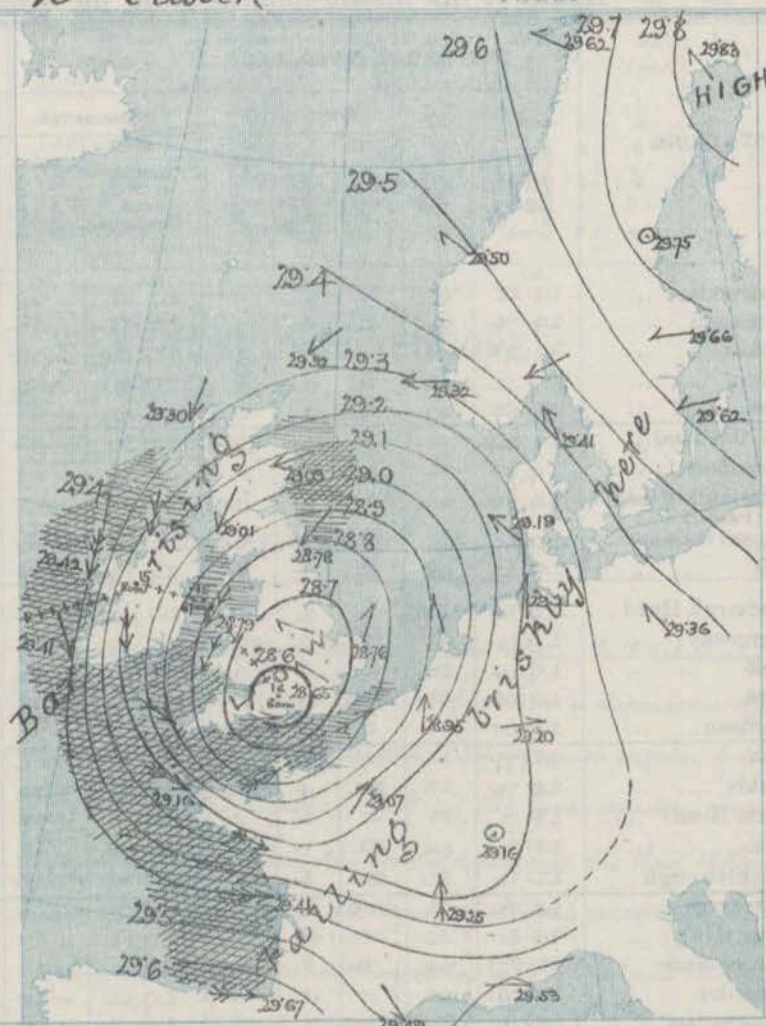
**Sea Disturbance** — where considerable is shown thus

▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	<i>in.</i>
Sumburgh Head	29.085
Stornoway	29.707
Wick	29.718
Nairn	29.738
Aberdeen	29.748
Leith	29.780
Shields	29.821
York	29.860
Ardrossan	29.749
Donaghadee	29.805
Holyhead	29.830
Liverpool	29.848
Valencia	29.842
Roche's Point	29.843
Pembroke	29.847
Scilly	29.877
Hurst Castle	29.894
Dover	29.907
LONDON	29.902
Oxford	29.891
Cambridge	29.894
Yarmouth	29.889



## 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.	Air	Sea	
Sumburgh Head	49.6	41.6	45.9	44.4	4.33
Stornoway	50.2	38.8	45.1	43.9	4.04
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	42.5	2.38
Aberdeen	52.1	41.3	45.5	43.5	2.88
Leith	55.3	41.9	46.7	45.1	1.91
Shields	53.2	43.1	47.3	45.5	2.46
York	55.2	40.9	46.0	44.7	2.44
Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	53.2	43.2	47.8	46.8	3.35
Holyhead	54.9	47.5	50.4	48.6	4.53
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	6.09
Roche's Point	55.6	46.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.5	49.4	4.13
Scilly	56.8	50.7	53.9	52.0	3.84
Hurst Castle	57.7	46.8	51.5	50.5	3.24
Dover	56.2	47.8	51.5	49.4	3.29
LONDON	57.1	49.5	48.4	46.9	2.74
Oxford	55.7	42.9	47.0	45.8	2.72
Cambridge	57.0	41.6	46.6	45.7	2.36
Yarmouth	54.9	45.1	49.5	48.2	2.97

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









# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.45	54	48	GSE 6	0	5	Holyhead ...	28.56	55	54	SW 5	nm q	5
Sumburgh Head	29.35	50	48	E 1	bc	1	Valencia ...	29.21	58	51	W 8	o q	7
Stornoway ...	29.14	52	49	NE 6	cm	5	Scilly ...	...	...	...	...	...	...
Aberdeen ...	29.07	53	51	E 6	n q	5	Dungeness ...	29.08	58	56	W 8	n q	7
Shields ...	28.79	53	52	ESE 6	0	5	London ...	29.00	56	53	SW 7	o q n	5
Ardrossan ...	28.75	52	50	ESE 6	0	3	Yarmouth ...	28.99	57	55	SSW 5	o q n	5
Malin Head ...	28.72	50	50	NE 8	n	7	Jersey ...	29.30	58	53	WSW 10	0	8
Mullaghmore ...	28.72	51	51	W 8	n q	6	Rochefort ...	29.82	63	59	W 9	0	4
Belmullet ...	28.98	54	52	N 8	n	*							

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

*The Continental Reports have not arrived*

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Sunday 17<sup>th</sup> OCTOBER

1886.

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

STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Weather.	Max.		Min.	
SCANDINAVIA.	Haparanda ..	29.81	44	SE	2	0	29.83	1.00	42	44	- 2	SE	2	r	+	45	41	0.35
	Hernösand ...	29.74	44	2	0	f	29.83	+ .08	44	44	0	NE	2	r	+	48	43	0.12
	Stockholm ...	29.64	46	ENE	2	0	29.62	- .04	46	44	0	NNE	4	0	+	54	43	0.04
	Wisby ...	29.84	47	SE	4	0	29.47	- .15	47	46	- 1	E	4	r	+	54	41	0.08
	Bodö ...	29.67	46	ENE	2	0	29.80	+ .18	42	39	- 3	ENE	2	b	1	50	39	-
	Christiansund...	29.51	47	E	2	0	29.59	+ .09	47	42	+ 6	ESE	3	b	2	52	41	-
	Skudesnaes ...	29.39	54	E	6	0	29.40	+ .11	53	46	0	ENE	4	c	4	55	?	-
	Christiania Fjord (Færder)	29.50	50	ENE	8	0	29.51	+ .01	49	46	0	ENE	8	0	2	50	48	-
	Skagen (The Scaw)	29.37	51	S	4	0	29.26	- .05	49	47	- 5	ESE	5	0	4	55	48	0.04
	Fanö ...	29.11	50	E	6	0	29.10	- .09	50	49	+ 2	E	6	c	+	55	48	0.04
BRITISH ISLANDS.	Sumburgh Head	29.33	49	NE	3	r	29.51	+ .19	50	48	0	NNE	4	bc	5	51	47	0.20
	Stornoway ...	29.27	50	N	3	r	29.40	+ .10	52	50	+ 2	NE	5	ogg	4	52	44	1.23
	Wick ...	29.21	50	E	2	0	29.46	+ .22	52	50	+ 2	E	6	0	2	52	49	0.22
	Nairn ...	29.20	51	E	1	m	29.31	+ .15	50	50	- 1	E	4	r	4	52	46	0.29
	Aberdeen...	29.17	52	NE	5	op	29.30	+ .21	52	50	0	NE	7	opg	6	54	50	0.06
	Leith ...	29.15	51	NE	3	0	29.16	+ .18	52	51	- 1	E	4	op	+	54	45	0.53
	Shields ...	29.07	52	NNE	3	c	29.08	+ .30	52	50	0	NE	3	0	5	50	49	0.18
	Spurn Head ...	28.96	53	NE	3	bc	28.99	+ .29	53	51	+ 4	NNE	5	bcg	5	54	48	0.09
	York ...	29.03	50	N	1	b	29.03	+ .32	48	48	- 1	NNW	1	0	+	55	46	0.35
	Loughborough	28.99	50	NN	3	c	29.05	+ .41	46	46	- 1	W	3	od	+	51	46	0.23
GERMANY.	Ardrossau ...	29.17	53	NN	2	cp	29.17	+ .16	51	50	- 3	NE	4	cmp	2	58	45	0.07
	Malin Head ...	29.29	49	NN	5	bcg	29.14	+ .01	49	47	- 3	NNE	5	oap	5	52	45	0.07
	Mullaghmore ...	29.41	50	NNW	7	cpq	29.17	- .04	48	47	- 5	NN	5	op	5	53	45	0.19
	Belmullet ...	29.52	50	NNW	5	c	29.23	- .19	48	47	- 4	NNW	6	op	+	53	47	0.35
	Donaghadee ...	29.23	53	NE	7	c	29.12	+ .14	48	48	- 7	NE	5	r	3	55	43	0.16
	Barrow-in-Furness	29.09	51	N	2	b	29.06	+ .32	48	47	- 7	N	2	bcpm	+	55	46	0.20
	Liverpool (Bidston)	29.09	51	NNE	2	b	29.07	+ .35	47	46	- 4	WNW	2	r	3	55	47	0.11
	Holyhead ...	29.13	54	NNW	9	omg	29.10	+ .31	45	45	- 7	NN	4	cg	4	56	47	0.03
	Parsonstown ...	29.44	47	NN	3	0	29.21	+ .07	42	41	- 10	NN	1	og	+	52	40	0.04
	Valencia ...	29.62	57	NNW	6	cpq	29.36	- .05	47	45	- 6	NNW	6	pg	6	56	45	0.16
FRANCE & NETHERLANDS.	Roche's Point...	29.43	52	N	7	bc	29.26	+ .19	43	42	- 9	WNW	4	p	4	58	41	0.20
	Pembroke ...	29.17	54	NNW	7	0	29.18	+ .43	46	44	- 8	NN	6	cg	6	55	46	0.20
	Scilly ...																	
	Prawle Point ...	29.10	53	NN	7	c	29.21	+ .53	46	44	- 7	NN	4	cg	4	56	44	0.26
	Jersey ...	29.01	55	NW	7	ogp	29.23	+ .44	51	49	0	W	6	cmgw	6	57	46	0.75
	Hurst Castle ...	28.95	50	N	4	bc	29.14	+ .59	45	44	- 8	NW	4	bc	3	57	44	0.03
	Dungeness ...	28.77	51	NE	4	0	29.02	+ .31	50	48	- 3	NN	3	cg	3	54	47	0.13
	London ...	28.89	51	NE	4	c	29.05	+ .40	48	45	- 3	WNW	3	0	+	54	47	0.30
	Oxford ...	29.02	50	NNW	3	0	29.08	+ .48	47	44	0	W	3	ow	+	50	46	0.12
	Cambridge ...	28.89	49	NE	1	c	29.02	+ .34	49	48	- 1	NN	1	0	+	54	47	0.12
PENINSULA.	Yarmouth ...	28.88	50	ENE	4	rgg	28.89	+ .13	52	50	+ 1	NNE	5	cg	5	55	47	0.32
	Cuxhaven ...	29.10	52	ESE	5	c	29.01	- .20	50	49	0	ESE	6	b	+	54	47	0.08
	Berlin ...	29.20	51	2	0	r	29.10	- .26	48	47	+ 2	SE	1	0	+	57	46	?
	Wiesbaden ...	*	+	+	+	+	29.00	- .20	50	47	- 1	SW	3	0	+	54	48	0.67
	Munich ...	28.99	49	W	2	0	29.17	- .21	42	41	- 5	SE	3	0	+	50	39	0.08
	The Helder ...	28.89	48	ESE	1	c	28.83	- .11	49	48	- 1	ENE	4	r	3	52	48	0.28
	Brussels ...	*	+	+	+	+	28.89	- .06	50	50	+ 3	W	4	0	+	54	46	0.12
	Cape Gris Nez...	28.77	49	E	5	0	28.95	+ .14	52	50	0	NNW	8	0	6	54	48	0.12
	Paris ...	28.78	52	SW	7	r	29.14	+ .07	50	49	+ 1	W	3	0	+	52	48	0.39
	Brest ...	29.34	50	NNW	9	0	?	?	52	50	- 1	WNW	5	0	5	59	50	0.28
PENINSULA.	Lorient ...	29.28	55	WNW	9	m	29.41	+ .21	53	49	- 2	WNW	7	0	5	63	46	0.24
	Rochefort ...	29.35	58	WNW	12	r	29.53	+ .12	55	52	- 2	WNW	9	r	4	64	50	0.20
	Belfort ...																	
	Lyons ...																	
	Nice ...																	
PENINSULA.	Perpignan ...																	
	Biarritz ...	29.62	57	WSW	12	r	29.65	- .02	59	52	+ 5	WSW	9	bcgh	8	70	50	1.10
	Corunna ...	*	+	+	+	+	29.86	- .09	52	?	- 1	WNW	5	r	6	61	50	0.20
Lisbon ...	30.10	59	NNW	5	c	30.02	- .06	54	51	- 9	NW	5	b	5	66	54	0.04	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

For 8 a.m. on

Sunday 17<sup>th</sup> October

1886.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

→ — forces above 10; → — forces 8 to 10;

→ — forces 5 to 7; → — forces 1 to 4;

○ — dead calm.

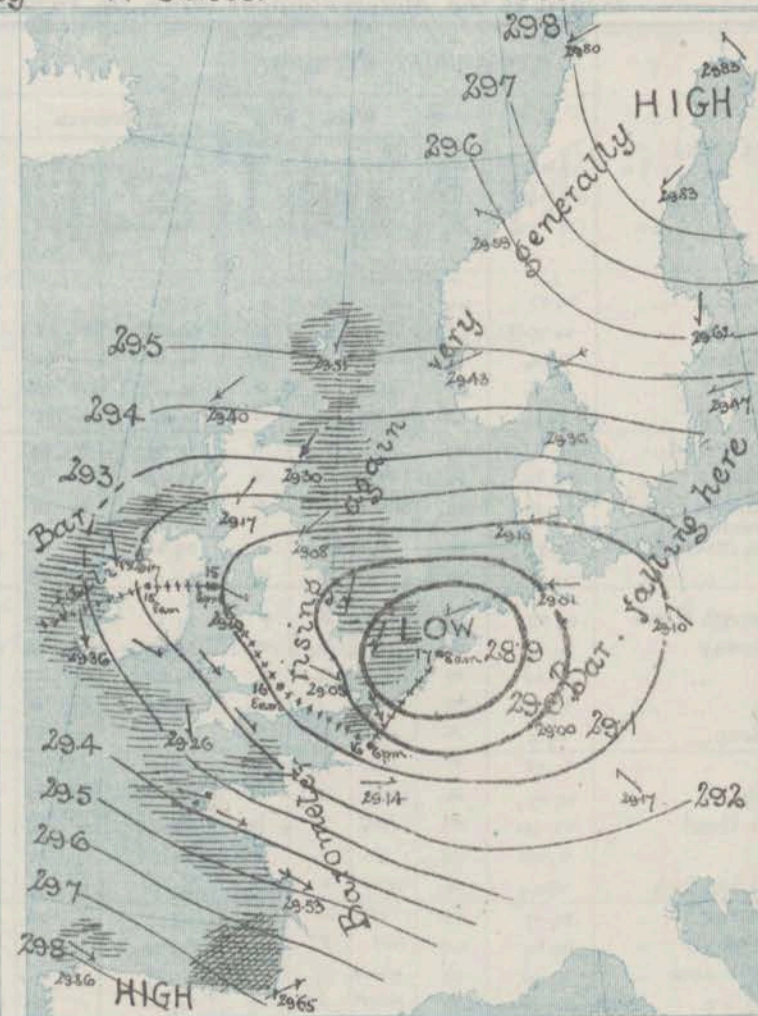
**Sea Disturbance** — where considerable is shown thus

■ — Rough. ■ — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS
Sumburgh Head.	29.685
Stornoway	29.707
Wick	29.718
Nairn	29.738
Aberdeen	29.748
Leith	29.780
Shields	29.821
York	29.840
Ardrossan	29.749
Donaghadee	29.803
Holyhead	29.839
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Valencia	29.842
Roche's Point	29.843
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Harst Castle	29.894
Dover	29.907
LONDON	29.903
Oxford	29.891
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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.

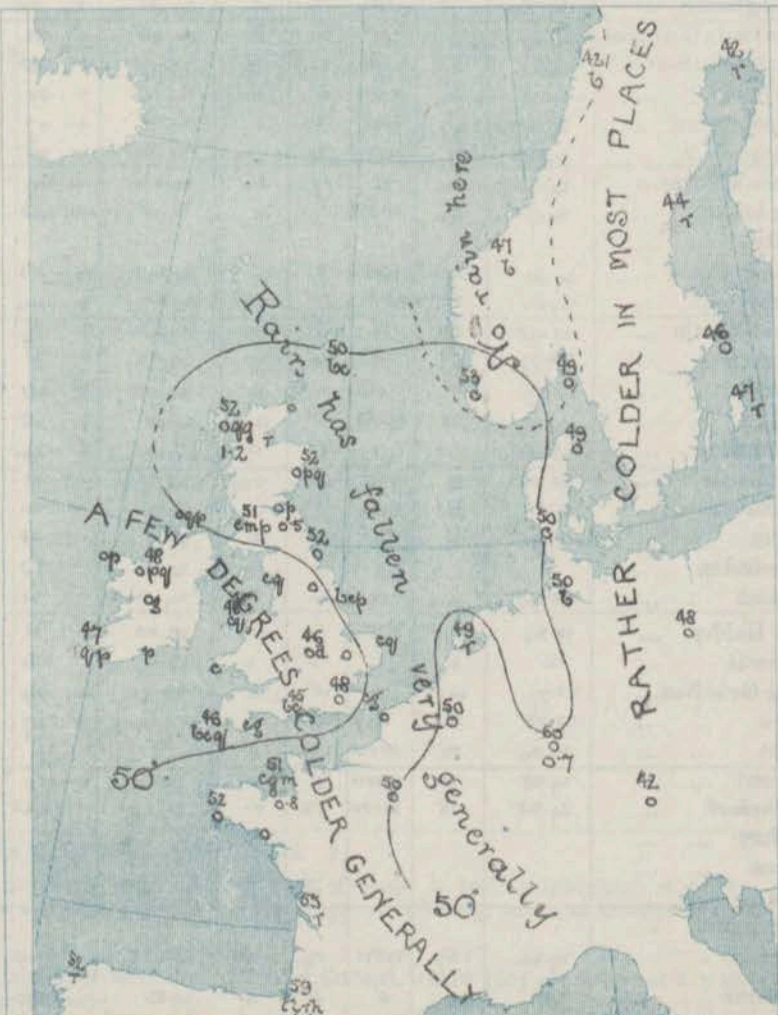
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## 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	49.5	41.6	45.9	44.4	4.33
Stornoway	50.2	38.8	45.1	43.9	4.04
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	42.5	2.89
Aberdeen	52.1	41.3	45.5	45.5	2.88
Leith	55.3	41.9	46.7	45.1	1.94
Shields	53.2	43.1	47.3	45.5	2.46
York	55.2	40.9	46.0	44.7	2.64
Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	53.2	43.2	47.8	46.8	3.35
Holyhead	54.9	47.5	50.4	48.6	4.53
Liverpool	54.0	44.9	48.0	46.2	3.62
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Yarmouth	54.9	45.1	49.5	48.2	2.97

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.0 ins. and upwards, in Portugal, but relatively high 29.8 ins. and upwards over the N. of Scandinavia. Lowest, 28.8 ins., in the centre of a depression lying over Holland. Shallow disturbances lying over our extreme north-west coasts.
TEMPERATURE	Highest, 59° at Biarritz; 55° at Rochefort, and 52° in the north of Scotland. Lowest, 42° at Haparanda, Parosvaton and Munich.
WIND	Fresh E <sup>3</sup> over the North Sea, and strong NE <sup>2</sup> in the north of our islands. Strong NW <sup>2</sup> in the south-west of our islands and the Bay of Biscay, with gales at Rochefort and Biarritz. Moderate from W. or SW. over eastern France; Light SE <sup>2</sup> in Germany.
WEATHER	Cloudy generally, with rain in many places, and a thunderstorm at Biarritz. Since yesterday rain has fallen generally, the largest amounts being 1.2 in. at Stromway and 0.8 in at Jersey.
SEA	Rough on our extreme southwest coasts, and rather rough in the north and east.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The deep depression of yesterday morning subsequently moved in an east-south-easterly direction to the neighbourhood of Amiens, but in the course of the night it has travelled north-eastwards to Holland. In the course of the past night a shallow subsidiary disturbance has been formed over Scotland and this is now moving southwards.

## FORECASTS

for the 24 hours ending at NOON on 18<sup>th</sup> OCTOBER. 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
* 0 { SCOTLAND NORTH	None Issued	* 6 { SCOTLAND WEST	None Issued
* 1 { SCOTLAND EAST		* 7 { ENGLAND N. W.	
* 2 { ENGLAND N. E.		* 8 { ENGLAND S. W.	
* 3 { ENGLAND EAST		* 9 { IRELAND NORTH	
* 4 { MIDLAND COUNTIES		* 10 { IRELAND SOUTH	
* 5 { ENGLAND SOUTH			
		WARNINGS	

The N. cone was hoisted last evening in districts 7 to 10, and this morning in districts 6, 7 & 8. An asterisk is inserted against those districts in which it is not flying.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.35	55	48	E 6	r	4	Holyhead ...	29.00	50	53	NNW 9	cmg	6
Sumburgh Head ...	29.35	50	48	NE 3	r	4	Valencia ...	29.58	52	51	NNW 7	chaz	7
Stornoway ...	29.32	51	50	N 4	r	3	Scilly ...						
Aberdeen ...	29.17	54	52	NE 5	c	7	Dungeness ...	28.69	52	49	SE 5	og	6
Shields ...	28.99	52	51	NE 3	c	5	London ...	28.72	54	51	ESE 4	or	7
Ardrossan ...	29.14	55	52	NW 3	bc	2	Yarmouth ...	28.82	53	51	SSE 4	cpq	5
Malin Head ...	29.24	51	50	NNW 6	o	7	Jersey ...	28.88	55	53	NNW 8	c	7
Mullaghmore ...	29.38	52	48	NW 8	o	6	Rochefort ...	29.12	59	53	NNW 12	o	6
Belmullet ...	29.51	51	48	N 8	p	4							

## GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

(For condition at 8am today see pp 2 and 3)

The Continental Reports for yesterday showed that pressure was highest 30.1 in. and upwards, over Northern Russia, but relatively high 29.9 in. and upwards in Algeria and the south of Spain. The deep depression which lay over Ireland on Friday had moved south-eastwards to the south of England, where the barometer was below 28.6 in., but a large shallow disturbance was still lying over Roumania and some smaller disturbances over France. In the south-east of Europe the wind was light and variable, but elsewhere it circulated round the deep depression noticed above, being NW<sup>2</sup> or W<sup>2</sup> in the southwest of our Islands and the west of France, SW<sup>1</sup> or S<sup>1</sup> in the east of France, S<sup>1</sup> or SE<sup>1</sup> over Germany and Denmark, E<sup>1</sup> in Scandinavia and NE<sup>1</sup> in Scotland. On our north-west coasts it blew a fresh to strong gale, while in the southwest of our Islands, and the west of France a very severe gale was reported. Rain was falling in nearly all parts of Europe. Temperature had risen a little in all the more northern countries, but fallen in the south and readings ranged from 65° and above in Algeria and the south of Italy to 40° in Northern Russia. The highest individual readings were 72° at Palma, Algiers and Palermo, 71° at Malta, and 70° at Sfax, the lowest were 39° at St Petersburg, 45° at Archangel and 41° at Christiansund.

In the course of the day the depression over the south of England moved in an ESE<sup>1</sup> direction to the north-east of France, and as it passed away from our shores the gales in the southwest gradually subsided. Unsettled weather, <sup>however,</sup> continued generally, and at night there were indications of the formation of a shallow depression over Scotland.

For the twenty-four hours ending at 8 am on OCT<sup>r</sup> 16<sup>th</sup>.

The Continental reports for Friday morning showed that areas of high pressure in which the barometer exceeded 30 in. were lying respectively over Spain and Central Russia. In the course of the preceding night a large and deep depression in the centre of which the barometer was below 28.6 in. had advanced over Ireland, and in addition to this a shallow disturbance had been formed over Roumania. Light and somewhat variable breezes were reported over South-eastern Europe, but elsewhere the wind circulated round the centre of the deep depression, being W<sup>1</sup> or SW<sup>1</sup> over France and the south of our Islands, S<sup>1</sup> or SE<sup>1</sup> over the Netherlands and the North-Sea, and E<sup>1</sup> in Scotland and the north of Ireland; in force it was strong to a gale generally, and over the Channel and Bay of Biscay the gale was exceedingly severe. The weather was fine in Algeria, Italy, and Switzerland, but cloudy elsewhere, with rain <sup>in most</sup> localities. Temperature had risen over our Islands and the west and north of France, but fallen elsewhere: readings ranged from between 65° and 70° over Algeria and the south of Spain to 45° or less over Northern Europe. The highest individual readings were 71° at Malta and Biskra, 68° at Oran and Sfax, and 67° at Palermo; the lowest were 38° at St Petersburg, 39° at Charkov, 40° at Archangel and 42° at Haparanda.

In the course of the day the deep depression moved slowly E<sup>nd</sup> but during the ensuing night it altered its course and travelled in a SE<sup>1</sup> direction over England. Violent gales were experienced all day on our western and southern coasts - from W. in the Channel, and from W. veering to NW. on our W. and SW. coasts.

## 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 18<sup>th</sup> October 1886.*  
*Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.*

Issued by the Meteorological Office, 16, Victoria Street, London, R. H. SCOTT, Secretary.																		
STATIONS.		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.	
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Weather.	Max.		Min.
SCANDINAVIA.	Haparanda ..	29.90	41	E	2	0	29.93	+10	40	40	-2	N	2	0	4	1	29	0.08
	Hernösand ...	29.86	43	NE	4	0	29.84	+01	42	41	-2	NE	4	0	4	46	41	0.04
	Stockholm ...	29.60	46	NE	2	N	29.62	-00	44	43	-2	NE	4	N	4	?	?	0.16
	Wisby ...	29.49	49	E	4	N	29.46	-01	49	48	+2	ESE	4	N	4	50	45	0.16
	Bodö ...	29.48	42	E	1	6	29.93	+13	36	35	-6	ESE	2	6	1	46	36	-
	Christiansund...	29.65	47	ESE	1	6	29.75	+16	43	40	-4	E	2	6	2	52	41	-
	Skudesnaes ...	29.55	52	E	2	0	29.65	+22	49	45	-4	NE	2	C	3	?	?	0.08
	Christiania Fjord (Fjorder)	29.59	45	N	8	N	29.67	+16	46	44	-2	NE	8	0	2	?	?	0.28
	Skagen (The Scaw)	29.43	48	E	4	N	29.54	+18	49	47	0	E	4	0	3	50	48	0.16
	Fanö ...	29.24	50	ESE	4	N	29.57	+47	50	49	0	ESE	4	C	4	50	?	0.32
BRITISH ISLANDS.	Sumburgh Head	29.64	48	NE	3	C	29.79	+28	49	46	-1	NE	4	C	4	53	45	-
	Stornoway ...	29.75	49	NE	6	C	29.92	+52	47	45	-5	NE	5	Op	4	55	48	0.01
	Wick ...	29.69	50	NE	5	0	29.80	+34	50	47	-2	N	5	0	2	54	47	-
	Nairn ...	29.63	51	NE	5	C	29.81	+50	50	46	0	NE	4	C	6	53	46	-
	Aberdeen...	29.55	52	NE	6	0	29.72	+42	49	46	-3	N	6	0	6	53	47	0.01
	Leith ...	29.48	50	E	5	0	29.71	+55	49	46	-3	N	1	C	2	53	48	0.33
	Shields ...	29.32	52	NE	5	0	29.58	+50	51	49	-1	NE	4	Or	6	54	48	0.04
	Spurn Head ...	29.15	52	NE	6	N	29.40	+41	52	51	-1	N	4	Cqpm	6	54	50	0.37
	York ...	29.23	53	N	3	0	29.51	+48	50	48	+2	NE	4	C	4	56	47	0.12
	Loughborough	29.12	50	NE	4	N	29.45	+40	50	49	+4	NE	4	qga	4	52	45	0.30
GERMANY.	Ardrossan ...	29.47	51	NE	5	C	29.71	+54	48	44	-3	NW	1	C	1	53	47	0.01
	Malin Head ...	29.52	54	NE	6	0	29.76	+62	50	47	+1	NE	4	C	4	54	48	-
	Mullaghmore ...	29.50	54	NE	8	C	29.77	+60	51	48	+3	NE	6	6e	5	55	47	0.02
	Belmullet ...	29.55	54	NE	9	C	29.83	+60	51	47	+3	NE	6	0	4	56	46	0.05
	Donaghadee ...	29.40	53	E	9	0	29.70	+58	52	48	+4	E	4	0	5	55	45	0.08
	Barrow-in-Furness	29.25	52	NE	3	0	29.58	+52	51	47	+3	NE	3	C	3	56	37	-
	Liverpool (Bidston)	29.22	52	NE	3	0	29.54	+47	50	47	+3	NE	3	0	4	53	47	0.33
	Holyhead ...	29.22	55	NE	4	q/cp	29.57	+47	53	49	+5	NE	5	Cq	5	55	46	0.50
	Parsonstown ...	29.36	52	NE	5	N	29.70	+49	48	45	+6	NW	1	6e	4	53	40	0.06
	Valencia ...	29.40	54	NE	6	CW	29.69	+33	63	49	+6	NE	6	0	6	55	46	0.42
FRANCE & NETHERLANDS.	Roche's Point...	29.24	51	NE	5	N	29.55	+29	51	48	+8	NE	5	C	4	52	43	0.15
	Pembroke ...	29.18	49	NE	8	0	29.46	+28	52	49	+6	NE	4	Cq	2	55	45	0.40
	Scilly ...																	
	Prawle Point ...	29.16	43	NW	2	6e	29.39	+18	45	42	-1	NE	4	6e	4	51	39	-
	Jersey ...	29.17	47	NW	3	6e	29.31	+08	49	49	+2	ESE	3	Cm	3	53	44	0.20
	Hurst Castle ...	29.15	47	NW	2	6e	29.39	+25	43	42	-2	N	1	CW	2	53	40	-
	Dungeness ...	29.10	51	NW	3	C	29.35	+33	39	39	-11	NW	3	f	2	57	36	-
	London ...	29.12	49	NW	3	C	29.39	+34	45	44	-3	N	0	f	4	53	39	-
	Oxford ...	29.18	45	NW	1	N	29.41	+33	50	49	+3	N	3	N	4	52	44	0.29
	Cambridge ...	29.16	50	NW	1	N	29.40	+38	53	52	+4	N	1	0	4	53	46	0.14
PENINSULA.	Yarmouth ...	29.04	52	NE	2	C	29.32	+43	52	51	0	NE	3	C	5	54	48	0.14
	Cuxhaven ...	29.10	50	ESE	4	6	29.40	+39	50	49	0	ESE	3	6e	4	52	47	0.08
	Berlin ...	29.23	51	SW	1	C	29.54	+44	49	48	+1	SW	1	0	4	57	46	0.04
	Wiesbaden ...						29.50	+50	48	46	-2	SW	1	0	4	54	43	0.35
	Munich ...	29.46	44	W	1	6	29.60	+43	41	40	-1	SW	3	C	4	54	39	-
	The Helder ...	29.06	50	NE	3	C	29.28	+45	53	51	+4	NW	3	C	3	54	48	0.12
	Brussels ...						29.39	+50	47	46	-3	S	4	6e	4	55	43	2.13
	Cape Gris Nez...	29.10	51	W	4	0	29.34	+39	49	48	-3	S	1	C	2	54	48	-
	Paris ...	29.24	51	SSW	3	0	29.37	+23	49	49	-1	ESE	1	6e	4	56	45	-
	Brest ...	29.12	49	W	5	N	29.26	+02	42	40	-10	E	4	6	6	54	41	0.04
FRANCE & NETHERLANDS.	Lorient ...	29.23	50	NW	4	C	29.26	-15	43	42	-10	ESE	5	C	3	59	39	0.04
	Rochefort ...	29.34	54	W	4	N	29.26	-27	51	50	-4	E	3	N	2	61	46	9.98
	Belfort ...	29.38	48	NW	1	6e	29.50		51	50		E	1	6	4	54	44	-
	Lyons ...	29.43	53	S	3	0	29.40		48	45		N	1	0	4	57	47	0.04
	Nice ...	29.41	58	W	3	6	29.53		52	47		E	3	0	3	70	48	0.04
	Perpignan ...	29.52	57	W	0	0	29.27		59	49		S	5	0	4	67	52	-
	Biarritz ...	29.45	61	S	5	0	29.25	-40	49	45	-10	SSW	4	6	5	63	45	0.43
	Corunna ...																	
	Lisbon ...	29.82	58	W	5	C	29.60	-42	56	52	+2	NW	4	C	6	63	54	0.12

For Explanation of Columns, see p. 1.



# WEATHER CHARTS

for 8 a.m. on ~~the~~ day, 18<sup>th</sup> OCTOBER

1886.

## BAROMETER, WIND & SEA.

(Explanation of Map)

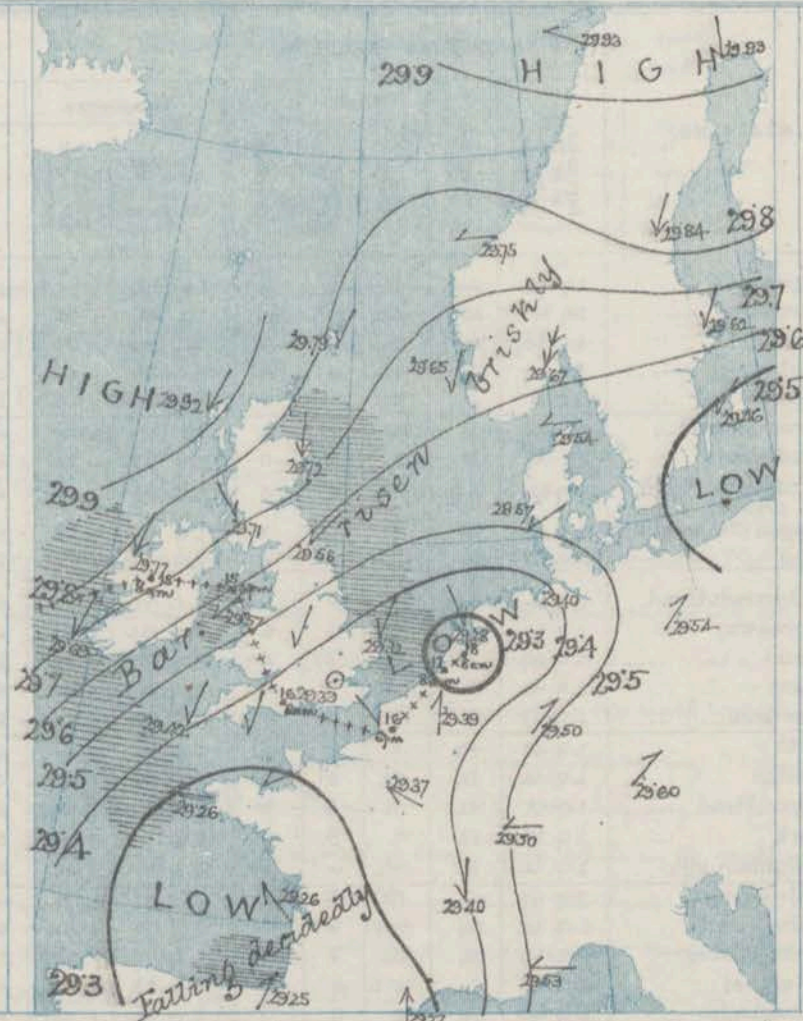
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**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 — force above 10; — forces 8 to 10;  
 — forces 5 to 7; — forces 1 to 4;  
 ○ — dead calm.

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

## MEAN HEIGHT of the BAROMETER

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

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Sumburgh Head	29.685
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## TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

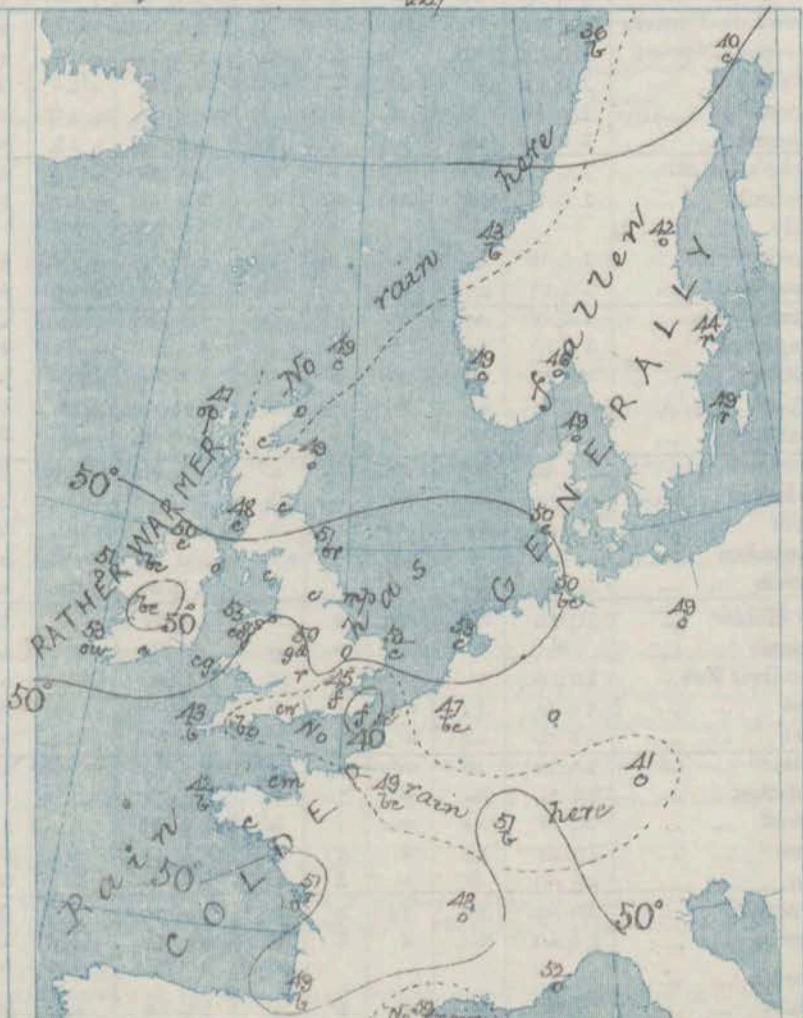
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## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of October.

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	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
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Wick	51.8	40.0	46.0	44.8	2.04
Nairn	51.4	40.7	44.6	42.5	2.38
Aberdeen	52.1	41.3	45.5	43.5	2.88
Leith	53.3	41.9	46.7	45.1	1.94
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NOTE — The Temperature means are for the 10 years 1871–80, the Rainfall means are mainly those for the 20 years 1866–85





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 29.9 in., over the north of Scandinavia and the extreme northwest of our Islands. Lowest, 29.3 in., and less in a small depression lying over Holland, and also in a larger disturbance situated over the Bay of Biscay.
TEMPERATURE	Highest, 59° at Perpignan, 56° at Lisbon, and 53° at Holyhead and Valencia. Lowest, 36° at Rode and 39° at Rungness. The thermometer is now rising on our western coasts.
WIND	Light SW <sup>ly</sup> in Germany, moderate S <sup>ly</sup> or SE <sup>ly</sup> , <del>moderate S<sup>ly</sup> or SE<sup>ly</sup></del> over the southwest and south of France. Fresh or strong from NE or N. over the greater part of our Islands, the North Sea and Scandinavia.
WEATHER	Rainy on the shores of the Baltic, and showery over the eastern parts of Great Britain. Fair or fine in most other localities.
SEA	Rough on the east coasts of Great Britain, <sup>rather</sup> rough in the west, moderate in the south.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which passed over our Islands at the close of last week remains almost stationary over Holland, and is steadily filling up.

In the meantime the subsidiary disturbance noticed over our northwest coast yesterday has travelled S<sup>wd</sup> to the Bay of Biscay, where it is inclined to increase slightly in depth.

In addition to these two systems a third depression has appeared over the Baltic. This may possibly advance westwards, and as pressure is rising steadily on our western coasts strong NE<sup>ly</sup> or N<sup>ly</sup> winds seem likely to continue over the greater part of the United Kingdom.

## FORECASTS

For the 24 hours ending at NOON on 19<sup>th</sup> OCTOBER. 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
* 0 { SCOTLAND NORTH	N <sup>ly</sup> winds, strong; cloudy, some cold showers.	* 6 { SCOTLAND WEST	NE <sup>ly</sup> and N <sup>ly</sup> winds, freshening fair generally.
* 1 { SCOTLAND EAST	-----D°-----D°-----D°-----	* 7 { ENGLAND N. W.	-----D°-----D°-----D°-----
* 2 { ENGLAND N. E.	-----D°-----D°-----D°-----	* 8 { ENGLAND S. W.	NE <sup>ly</sup> winds, increasing in force; fair to unsettled and some rain.
* 3 { ENGLAND EAST	Same as N°5	* 9 { IRELAND NORTH	NE <sup>ly</sup> and N <sup>ly</sup> winds, strong; cloudy, rain locally.
* 4 { MIDLAND COUNTIES	Same as N°5.	* 10 { IRELAND SOUTH	D° D° D°
* 5 { ENGLAND SOUTH	N <sup>ly</sup> and NE <sup>ly</sup> winds, freshening; changeable, some showers.	WARNINGS	The north cone was hoisted last evening in district 3. An asterisk is inserted against those districts in which it is now flying.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	29.49	56	48	E 4	c	4	Holyhead ...						
Sumburgh Head							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rochefort ...	29.46	57	54	WSW 8	0	3
Belmullet ...													

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

The Continental Reports for yesterday showed that the weather over the whole of Europe was under the influence of the deep depression which passed over our islands on Friday and Saturday last. At 8 am yesterday the centre of the disturbance lay over Holland and the system was apparently filling up, but the barometer was falling at all but the British, French and Norwegian stations, and over the north-west of our islands there were indications of the presence of a subsidiary depression. Moderate breezes from SE or E prevailed over Central and Eastern Europe, and fresh or strong E or NE breezes over the more northern and north-western countries but over the Bay of Biscay the wind still blew a gale from W or NW, while in the east of France fresh SW winds were reported. The weather was fair over Spain, Algeria and the south of Italy, but overcast in most other localities with rain at many stations. Temperature had fallen generally and readings ranged from 65° or above over Algeria and the southern parts of the Mediterranean to 65° or below over the northern parts of Russia and Scandinavia. The highest individual readings were 72° at Palermo, 68° at Biskra and 66° at Nemours and Brindisi, the lowest were 37° at Archangel, 39° at St Petersburg and 42° at Haparanda, Bodö and Moscow.

In the course of the day the main depression continued to fill up over Holland, while the subsidiary disturbance over our north-west coast moved southwards. In the rear of the latter a brisk rise of the barometer took place and the wind therefore rose to a gale from NE or E in the north of Ireland.

## SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 10<sup>TH</sup> TO THE 16<sup>TH</sup> OCTOBER 1886.

During the past week the weather over our islands and their immediate neighbourhood has been in an exceedingly unsettled condition. Strong winds or gales and heavy rains have been experienced in nearly all parts of the Kingdom, the storm which prevailed in the Channel on Friday and Saturday being exceptionally severe.

Pressure has been continuously highest in Spain, but an area of relatively high readings has been usually found over Northern Europe. Several depressions have appeared over our islands, the most important being those of the 10<sup>th</sup>, the 11-12<sup>th</sup> and the 15-16<sup>th</sup>.

The first, a system of moderate intensity skirted the Hebrides on Sunday in a north-easterly direction. Some subsidiary depressions accompanying the main system produced strong W or W. gales in the Channel, and thunderstorms in many parts of Ireland and England.

The second, a deeper disturbance appeared off the west of Scotland on Monday afternoon and travelled slowly north-eastwards. On Tuesday a well-defined subsidiary disturbance was developed over the north of England and the SW gales which had previously been confined to our western and northern coasts extended over the whole Kingdom. In the course of the following day this disturbance continued to grow deeper and moved northwards from the North Sea to the west of Norway.

The third, and by far the most important disturbance advanced over Ireland on Thursday night, the readings in its centre being as low as 28.6 ins. In the course of the following morning the disturbance advanced eastwards to the Irish Sea, but after remaining for some hours almost stationary in this position it travelled south-eastwards to the south of England and afterwards to the north-east of France. During the night of the 16<sup>th</sup>, however, it again changed its course and on the following morning its centre was found over Holland. The depression produced fresh E or E. gales in the north and fresh SE or S. gales in the east of our islands, but over the Channel, the Bay of Biscay and our south-west coasts generally the wind blew a most severe gale, first from the SW and afterwards from NW or N. During the progress of the disturbance heavy rain was experienced in nearly all 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

Tuesday 19<sup>th</sup> October

1886.

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

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.			Weather.	BAROMETER.		SHADE TEMP.			WIND.			Sea. (0 to 9.)	Weather.	SHADE TEMP.		Amount of Rainfall.
			Dir.	Force, (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force, (0 to 12.)				Max.	Min.	
SCANDINAVIA.	Haparanda ..	20.03	39	N	2	O	30.15	+1.22	32	32	- 8	N	2	O	2	43	7		
	Hernösand ...	29.96	42	NE	6	N	30.10	+1.26	40	39	- 2	NNE	4	O	2	45	41	0.05	
	Stockholm ...	29.82	44	N	4	O	29.84	+1.22	44	43	0	NNE	2	O	2	46	41		
	Wisby ...	29.64	49	E	4	N	29.78	+1.32	48	48	- 1	NE	4	N	2	52	46	0.05	
	Bodö ...	30.04	38	SE	2	b	30.09	+1.16	36	32	0	E	2	b	1	43	34		
	Christiansund...	29.87	44	NNE	4	b	29.95	+1.20	42	38	- 1	ENE	3	b	2	48	36		
	Skudesnaes ...	29.82	49	E	2	b	29.91	+1.26	48	44	- 1	ENE	1	O	2	?	32		
	Christiania Fjord (Fjorder)	29.62	46	NNE	8	O	29.95	+1.28	44	41	- 2	NNE	6	O	2	46	?		
	Skagen (The Scaw)	29.74	48	ENE	3	N	29.86	+1.32	46	44	- 3	E	4	O	3	52	46	0.12	
	Fanö ...	29.66	46	ESE	2	C	29.76	+1.19	46	45	- 4	E	3	C	2	55	45		
BRITISH ISLANDS.	Sumburgh Head	29.84	48	NNE	4	O	29.90	+1.11	47	43	- 2	NNE	1	O	3	51	45		
	Stornoway ...	29.96	48	NNE	5	og	29.94	+1.02	46	45	- 1	NNE	3	be	2	50	43	0.04	
	Wick ...	29.85	46	N	5	N	29.90	+1.10	48	45	- 2	E	2	O	1	50	46	0.05	
	Nairn ...	29.84	50	NNE	4	O	29.89	+1.08	48	46	- 2	NNE	3	op	4	51	45	0.11	
	Aberdeen...	29.79	50	N	5	Op	29.86	+1.14	48	46	- 1	N	4	O	4	52	47		
	Leith ...	29.76	50	ENE	1	O	29.83	+1.12	49	47	0	NE	1	O	2	52	47	0.01	
	Shields ...	29.66	50	NNE	4	Op	29.74	+1.16	49	49	- 2	NE	4	on	5	51	47	0.02	
	Spurn Head ...	29.51	52	N	6	C	29.55	+1.15	53	52	+ 1	NE	5	bcq	5	53	51	0.09	
	York ...	29.61	50	N	2	m	29.64	+1.13	51	50	+ 1	NNE	1	N	2	52	49	0.18	
	Loughborough	29.55	51	NNE	4	N	29.58	+1.13	50	50	0	NNE	3	og	2	53	50	0.13	
GERMANY.	Ardrossan ...	29.77	51	NE	2	O	29.83	+1.12	48	45	0	N	2	b	1	53	45		
	Malin Head ...	29.81	51	NNE	4	Om	29.84	+1.08	51	49	+ 1	NE	3	O	3	53	49		
	Mullaghmore ...	29.81	51	NE	5	O	29.84	+1.07	50	48	- 1	ENE	4	be	3	54	49		
	Belmullet ...	29.85	51	NNE	7	O	29.86	+1.03	47	46	- 4	NE	1	b	2	53	47	0.10	
	Donaghadee ...	29.75	52	E	6	O	29.80	+1.10	51	49	- 1	NE	6	C	4	54	50		
	Barrow-in-Furness	29.64	51	NNE	3	O	29.70	+1.12	50	47	- 1	NNE	4	e	2	53	48		
	Liverpool (Bidston)	29.63	49	NNE	3	O	29.67	+1.13	49	47	- 1	NNE	3	O	3	53	48	0.05	
	Holyhead ...	29.66	53	NNE	6	opqm	29.71	+1.14	52	48	- 1	NE	4	e	4	54	51	0.01	
	Parsonstown ...	29.76	50	NE	1	O	29.79	+1.09	48	46	0	N	4	og	2	55	44		
	Valencia ...	29.76	51	NNE	5	bo	29.78	+1.09	49	48	- 4	NNE	4	O	4	55	48	0.03	
FRANCE & NETHERLANDS.	Roche's Point...	29.69	50	NNE	4	b	29.74	+1.19	50	47	- 1	NE	4	e	4	54	48		
	Pembroke ...	29.57	52	NE	4	C	29.69	+1.23	50	48	- 2	NNE	4	C	2	55	50		
	Scilly ...																		
	Prawle Point ...	29.47	52	NNE	5	C	29.56	+1.17	51	50	+ 6	NNE	4	cp	4	57	39	0.08	
	Jersey ...	29.39	54	ENE	4	C	29.50	+1.19	53	52	+ 4	ENE	3	C	3	56	48	0.02	
	Hurst Castle ...	29.46	58	NNE	3	C	29.57	+1.18	51	50	+ 8	NNE	3	C	2	57	41	0.01	
	Dungeness ...	29.44	52	NW	1	be	29.57	+1.22	48	48	+ 9	NNE	1	C	1	59	39	0.01	
	London ...	29.48	55	N	2	C	29.57	+1.18	51	50	+ 6	N	1	C	2	58	45	0.03	
	Oxford ...	29.55	51	NNE	2	O	29.59	+1.18	50	49	0	N	1	O	2	54	48	0.03	
	Cambridge ...	29.49	51	N	2	O	29.56	+1.16	50	50	- 3	N	1	C	2	59	47	0.08	
PENIN- SULA.	Yarmouth ...	29.44	54	N	2	C	29.55	+1.23	51	50	- 1	N	0	bm	4	58	47	0.01	
	Cuxhaven ...	29.57	51	SE	2	b	29.70	+1.30	50	49	0	ENE	2	C	2	53	48		
	Berlin ...	29.67	50	SE	1	b	29.79	+1.25	46	44	- 3	SE	1	b	2	59	45		
	Wiesbaden ...	29.67	48	SE	2	C	29.72	+1.22	46	44	- 2	N	0	b	2	59	43		
	Munich ...	29.60	48	N	0	C	29.74	+1.14	45	44	+ 4	SE	1	O	2	52	37		
	The Helder ...	29.49	50	SE	1	C	29.63	+1.35	51	50	- 2	E	1	O	2	54	50	0.11	
	Brussels ...	29.48	50	SE	2	C	29.60	+1.21	50	49	+ 3	SE	3	be	2	56	47	0.04	
	Cape Gris Nez...	29.38	52	N	1	be	29.52	+1.18	50	48	+ 1	SE	1	C	0	61	48		
	Paris ...	29.44	54	SE	1	be	29.60	+1.23	40	40	+ 9	ENE	1	C	2	62	39		
	Brest ...	29.37	52	NE	5	O	29.45	+1.19	48	48	- 2	ENE	2	C	4	54	41	0.16	
PENIN- SULA.	Lorient ...	29.33	52	E	7	C	29.41	+1.15	50	49	+ 7	E	4	O	3	54	39		
	Rocheport ...	29.37	52	SE	8	N	29.51	+1.25	51	50	0	SE	8	C	3	55	46	0.05	
	Belfort ...	29.38	53	E	1	O	29.69	+1.19	47	46	- 4	E	1	C	2	58	42		
	Lyons ...	29.51	52	SE	4	N	29.64	+1.24	50	49	+ 2	S	1	N	2	60	47	0.47	
	Nice ...	29.66	50	NE	4	N	29.76	+1.23	54	52	+ 2	N	0	O	5	64	48	0.79	
	Perpignan ...	29.39	58	S	5	b	29.55	+1.28	59	52	0	ENE	1	O	2	72	46		
	Biarritz ...	29.37	58	SE	8	O	29.43	+1.18	59	51	+ 10	NNE	5	b	6	64	48		
	Corunna ...																		
	Lisbon ...	29.56	58	W	5	C	29.61	+1.01	55	52	- 1	N	1	N	4	63	54	0.08	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

Tuesday, 19<sup>th</sup> OCTOBER

1886.

## 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.

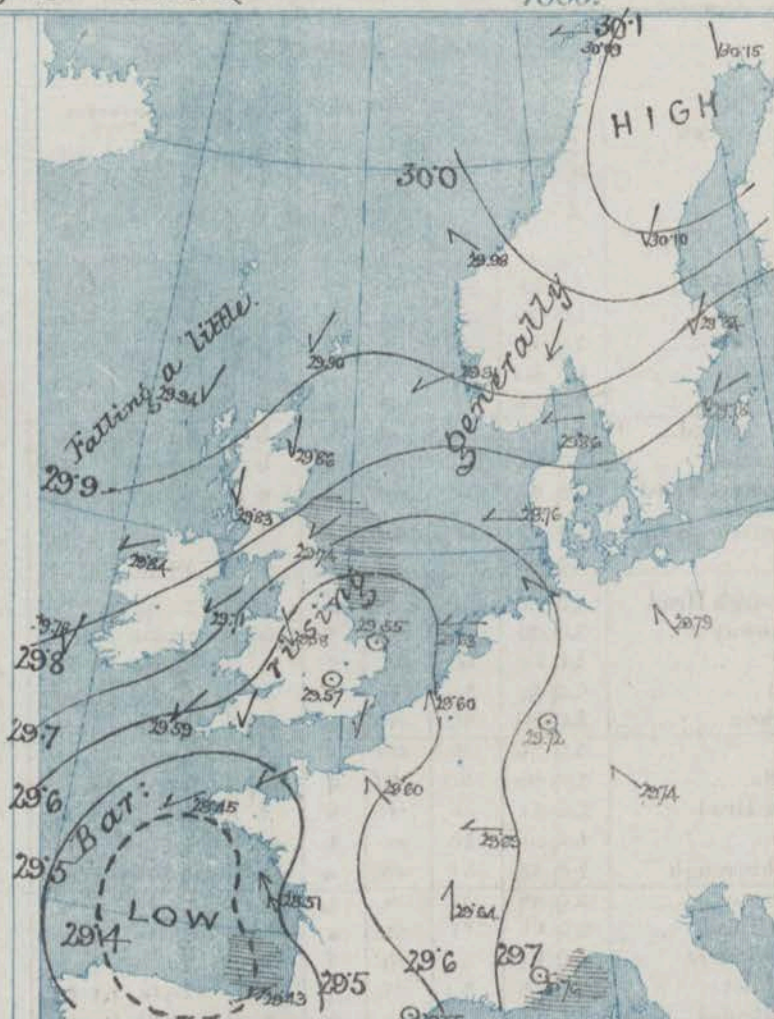
**Sea Disturbance** — where considerable is shown thus

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	int.
Sumburgh Head	29.685
Stornoway	29.707
Wick	29.718
Nairn	29.738
Aberdeen	29.748
Leith	29.780
Shields	29.821
York	29.860
Ardrossan	29.749
Donaghadee	29.805
Holyhead	29.830
Liverpool	29.848
Valencia	29.842
Roche's Point	29.843
Pembroke	29.847
Scilly	29.877
Hurst Castle	29.894
Dover	29.907
LONDON	29.902
Oxford	29.891
Cambridge	29.894
Yarmouth	29.889



## 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.

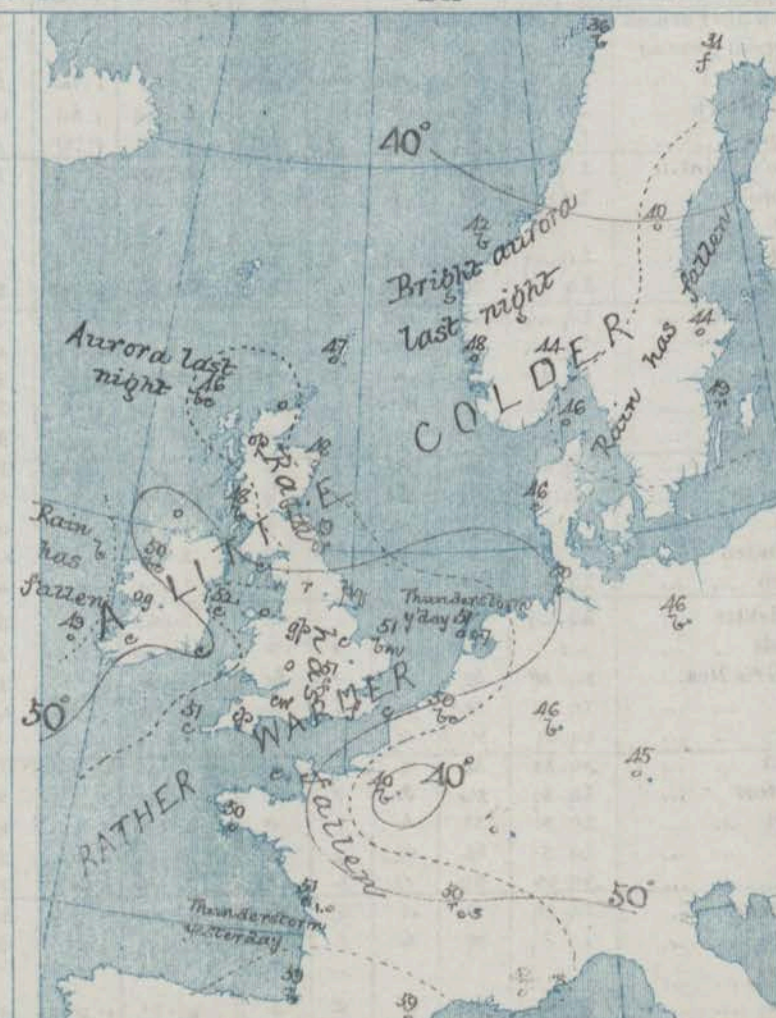
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of October.

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 9 a.m.		
			Dry.	Wet.	
Sunburgh Head	49.5	41.6	45.9	44.4	4.33
Stornoway	50.2	38.8	45.1	43.9	4.94
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	42.5	2.38
Aberdeen	52.1	41.3	45.5	43.5	2.88
Leith	55.3	41.9	46.7	45.1	1.94
Shields	53.2	43.1	47.3	45.5	2.46
York	55.2	40.9	46.0	44.7	2.64
Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	53.2	43.2	47.8	46.8	3.35
Holyhead	54.9	47.5	50.4	48.6	4.53
Liverpool	54.0	41.9	48.0	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	6.09
Roche's Point.	55.6	46.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.5	49.4	4.13
Scilly	56.8	50.7	53.9	52.0	3.84
Hurst Castle	57.7	46.8	51.5	50.5	3.24
Dover	56.2	47.8	51.5	49.4	3.28
LONDON	57.1	43.5	48.4	46.9	2.74
Oxford	55.7	42.9	47.0	45.8	2.72
Cambridge	57.0	41.6	46.6	45.7	2.36
Yarmouth	54.9	45.1	49.5	48.2	2.97

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.1 ins. and upwards, over the north of Sweden. Lowest, 29.4 ins. in a depression lying over the Bay of Biscay. Shallow depression lying over the east of England.
TEMPERATURE	Highest, 59° at Biarritz and Perpignan, 55° at Corunna and 53° at Jersey. Lowest, 34° at Naparanda, 36° at Bodø, 40° at Helsingland, and Paris and 46° at Tromsø.
WIND	SE <sup>ly</sup> in France and Germany; strong to a gale at Rochefort. E <sup>ly</sup> or NE <sup>ly</sup> elsewhere, light or moderate in force in most places.
WEATHER	Rainy in the north of England; foggy in London and at Dungeness. Fair in most other localities but very cloudy. A whirlwind is reported at Biarritz.
SEA	Rather rough off the northeast of England, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions noticed yesterday over the Baltic, Holland, and the Bay of Biscay have partially or entirely filled up, the barometer has risen generally, and an anticyclone has appeared over the north of Sweden.

At present there is no sign of any decided change but a slight fall of the mercury which has commenced at Tromsø may possibly indicate the approach of some new depression. At Valencia, however, the barometer appears to be still rising.

## FORECASTS

For the 24 hours ending at NOON on 20<sup>th</sup> OCT<sup>r</sup>

1886.

### DISTRICTS.

### FORECASTS.

0 { SCOTLAND NORTH	NE <sup>ly</sup> to E <sup>ly</sup> winds, moderate; fair generally.
1 { SCOTLAND EAST	.....D°.....D°.....D°.....
2 { ENGLAND N. E.	Same as No 5
3 { ENGLAND EAST	Same as No 5
4 { MIDLAND COUNTIES	Same as No 5
5 { ENGLAND SOUTH	NE <sup>ly</sup> to E <sup>ly</sup> winds, light or moderate; cloudy, rain locally.

### DISTRICTS.

### FORECASTS.

6 { SCOTLAND WEST	N <sup>ly</sup> to E <sup>ly</sup> winds, moderate or fresh; fair generally.
7 { ENGLAND N. W.	.....D°.....D°.....D°.....
8 { ENGLAND S. W.	Same as No 5.
9 { IRELAND NORTH	NE <sup>ly</sup> to SE <sup>ly</sup> winds, freshening; fair to unsettled and some rain.
10 { IRELAND SOUTH	.....D°.....D°.....D°.....
WARNINGS	None Issued.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudeanaes ...	29.72	56	48	N.E. 4	c	3	Holyhead ...	29.63	53	50	N.E. 6	agm	6
Sumburgh Head	29.83	50	46	N.E. 4	o	4	Valencia ...	29.75	54	51	N.E. 5	bc	5
Stornoway ...	29.95	49	46	N.E. 6	bcg	5	Seilly ...						
Aberdeen ...	29.77	52	49	N 5	o	6	Dungeness ...	29.89	53	50	N.W. 1	bc	1
Shields ...	29.63	51	49	N.E. 4	o	6	London ...	29.43	56	53	N.E. 2	oa	2
Ardrossan ...	29.75	53	48	N.E. 2	o	1	Yarmouth ...	29.40	57	55	N.E. 4	bc	4
Main Head ...	29.80	52	49	N.E. 4	b	4	Jersey ...	29.34	55	52	N.E. 4	c	3
Mullaghmore ...	29.81	53	48	N.E. 5	c	4	Rochefort ...	29.32	54	52	S.S.E. 7	n	2
Belmullet ...	29.85	53	49	N.E. 6	c	4							

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

(For condition at 8am today see pp 2 and 3)

The Continental reports for yesterday morning showed that the weather over Europe was under the influence of a large trough of low pressure extending from the Baltic provinces to the north of Spain. Within this area three depressions were found:—one over the Baltic, another (the remnant of last Friday's disturbance) over Holland, and a third over the Bay of Biscay. To the northward of this trough fresh or strong breezes from between N. and N.E. were reported, while to the S.<sup>th</sup> of it moderate breezes from between S. and W. prevailed, but in the interior the wind showed three distinct cyclonic circulations round the depressions noticed above. The weather was fair over Northern, Eastern, and Southern Europe, but changeable and unsettled over the Western and Central districts, with rain in many places. Temperature had risen a few degrees in the west of the British Islands, but elsewhere there was a tendency to fall; readings ranged from between 65° and 75° over Algeria and Southern Italy to 40° or less in Northern Russia. The highest individual readings were 75° at Malta, 72° at Sfax, and 67° at Biskra and Boudjida; the lowest were 36° at Bodo and Bleaborg, 38° at Kuopio, 39° at Dungeness and 40° at Haparanda.

In the course of the day the barometer rose generally, and the trough of low pressure gradually filled up. Very little change, however, occurred in the winds. Showers fell over the greater part of our Islands, and thunderstorms with heavy rain were experienced at Helder and Rochefort. In Norway and the Hebrides Aurora was seen at night.

### ATLANTIC TELEGRAM.

The Chief Signal Officer at Washington U.S. reports that on the 16<sup>th</sup> Inst. in Lat: 43° N. Long 63° W. the barometer at 8am fell to 29.6 ins.; during a fresh gale from W.

*Erratum* In the General Remarks on the Weather over Europe on p.4 of yesterday's report, for "to 65° or below over the northern part of Russia and Scandinavia" read "to 45° or below" &c. &c.

### 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 20<sup>th</sup> OCTOBER 1886.

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

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.		Difference from 8 a.m. yesterday.	WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)				Dry.	Wet.		Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ..	30.26	36	N	2	0	30.24	+ .19	24	33	+ .2	Z	0	0	2	39	30	—		
Hernösand ...	30.24	41	NE	5	0	30.27	+ .47	39	37	— 1	NE	2	0	2	43	39	0.04		
Stockholm ...	30.02	42	N	2	0	30.76	+ .32	41	?	— 3	NE	4	0	4	45	39	0.04		
Wisby ...	29.91	47	ENE	4	0	30.01	+ .23	47	46	— 1	E	4	0	2	50	45	—		
Bodö ...	30.17	26	ENE	2	0	30.21	+ .12	35	31	— 1	E	2	0	1	41	34	—		
Christiansund...	30.02	42	ESE	1	0	30.05	+ .10	43	38	+ 1	ESE	3	0	2	48	39	—		
Skudesnaes ...	29.97	46	E	2	0	30.00	+ .09	49	43	+ 1	E	6	0	3	59	46	—		
Christiania Fjord (Fjorder)	30.06	46	NNE	6	0	30.15	+ .20	42	40	— 2	NNE	4	0	2	46	41	—		
Skagen (The Scaw)	29.98	46	E	3	0	30.06	+ .20	45	43	— 1	E	3	0	3	48	45	0.12		
Faßö ...	29.82	51	ESE	4	0	29.84	+ .08	50	49	+ 4	E	4	0	2	55	46	—		
Sumburgh Head	29.90	49	Z	0	0	29.90	.00	48	46	+ 1	SE	2	0	3	50	45	0.02		
Stornoway ...	29.89	48	ENE	4	0	29.77	— .17	48	47	+ 2	E	4	0	3	52	44	—		
Wick ...	29.88	47	E	2	0	29.79	— .11	50	50	+ 2	SE	5	0	2	50	45	0.22		
Nairn ...	29.86	47	Z	0	0	29.76	— .13	44	44	— 4	Z	0	0	2	48	42	0.09		
Aberdeen...	29.85	49	NE	4	0	29.76	— .10	50	50	+ 2	E	4	0	4	51	47	0.36		
Leith ...	29.81	50	ENE	2	0	29.70	— .13	51	51	+ 2	SE	1	0	2	51	47	0.12		
Shields ...	29.72	52	NE	4	0	29.69	— .05	50	49	+ 1	S	1	0	5	52	48	0.08		
Spurn Head ...	29.61	55	ENE	3	0	29.68	+ .13	51	51	— 2	ESE	2	0	4	55	47	0.04		
York ...	29.66	52	NNE	1	0	29.69	+ .05	50	49	— 1	E	1	0	4	53	48	0.29		
Loughborough	29.62	51	E	1	0	29.69	+ .11	47	47	— 3	ESE	1	0	2	55	43	0.32		
ARDROSSAN ISLANDS.																			
Ardrossan ...	29.80	47	NE	2	0	29.70	— .13	50	48	+ 2	NW	2	0	1	50	44	0.01		
Malin Head ...	29.81	51	NNE	3	0	29.73	— .11	50	48	— 1	NE	3	0	3	53	48	—		
Mullaghmore ...	29.80	52	NE	4	0	29.76	— .08	45	44	— 5	SSE	2	0	2	55	41	—		
Belmullet ...	29.82	50	NE	3	0	29.77	— .09	48	47	+ 1	N	1	0	4	54	49	—		
Donaghadee ...	29.77	52	ENE	6	0	29.70	— .10	51	50	0	NE	4	0	2	53	49	0.05		
Barrow-in-Furness	29.66	52	NE	4	0	29.67	— .03	47	46	— 3	NE	2	0	4	55	46	0.12		
Liverpool (Bidston)	29.64	49	ENE	2	0	29.66	— .01	48	47	— 1	E	1	0	2	52	45	0.36		
Holyhead ...	29.65	53	NNE	5	0	29.64	— .07	50	49	— 2	NNE	1	0	2	54	49	0.03		
Parsonstown ...	29.77	50	Z	0	0	29.74	— .05	46	44	— 2	NW	1	0	2	52	40	—		
Valencia ...	29.77	52	NE	3	0	29.77	— .01	49	48	0	NNE	2	0	2	55	48	—		
Roche's Point...	29.73	51	NNW	4	0	29.71	— .03	47	44	— 3	NNW	5	0	4	58	45	—		
Pembroke ...	29.62	52	N	2	0	29.63	— .06	48	48	— 2	ENE	2	0	7	52	47	0.03		
Scilly ...																			
Prawle Point ...	29.57	53	NE	3	0	29.62	+ .06	48	47	— 3	N	1	0	2	56	45	0.52		
Jersey ...	29.53	56	Z	0	0	29.59	+ .09	53	52	0	NW	2	0	2	59	47	0.70		
Hurst Castle ...	29.57	56	NNE	2	0	29.60	+ .03	51	50	0	NNE	2	0	1	60	48	0.65		
Dungeness ...	29.60	56	SSE	3	0	29.61	+ .04	57	53	+ 9	SE	4	0	3	61	47	0.01		
London ...	29.62	52	E	2	0	29.65	+ .08	52	51	+ 1	Z	0	0	4	58	50	—		
Oxford ...	29.63	49	Z	0	0	29.65	+ .06	48	47	— 2	NE	2	0	4	55	47	0.18		
Cambridge ...	29.61	49	NE	1	0	29.68	+ .12	48	48	— 2	NE	1	0	2	56	47	—		
Yarmouth ...	29.63	55	SE	2	0	29.66	+ .11	50	55	+ 5	ESE	2	0	3	57	50	0.27		
Cuxhaven ...	29.77	52	E	3	0	29.87	+ .11	57	51	+ 1	ESE	4	0	2	54	49	0.06		
Berlin ...	29.87	53	E	2	0	29.82	+ .03	47	46	+ 1	E	2	0	2	59	46	—		
Wiesbaden ...	29.79	52	?	?	?	29.79	+ .07	52	57	+ 6	Z	0	0	2	57	?	—		
Munich ...	29.71	49	NE	2	0	29.85	+ .14	50	48	+ .5	SW	5	0	2	57	45	—		
FRANCE & NETHERLANDS.																			
The Helder ...	29.40	53	E	1	0	29.72	+ .09	57	50	0	ESE	1	0	1	55	50	—		
Brussels ...	29.74	51	?	?	?	29.74	+ .14	51	50	+ 1	SSE	3	0	2	60	46	—		
Cape Gris Nez...	29.59	54	E	3	0	29.63	+ .11	57	50	+ 1	SSE	3	0	1	61	50	—		
Paris ...	29.63	52	NE	1	0	29.69	+ .09	50	48	+ 10	SSE	3	0	2	63	?	—		
Brest ...	29.50	57	ENE	3	0	29.65	+ .20	53	50	?	WSW	4	0	4	61	45	0.08		
Lorient ...																			
Rochefort ...																			
Belfort ...	29.75	50	E	1	0	29.87	+ .18	57	49	+ 4	W	1	0	2	52	44	0.63		
Lyons ...																			
Nice ...	29.77	57	E	3	0	29.88	+ .12	56	54	+ 2	Z	0	0	2	59	54	0.67		
Perpignan ...	29.59	63	S	5	0	29.86	+ .31	50	46	— 9	S	1	0	4	?	43	—		
Biarritz ...	29.62	60	S	4	0	29.84	+ .44	58	50	— 1	S	4	0	2	60	54	—		
PENINSULA.																			
Corunna ...																			
Lisbon ...	29.75	57	N	5	0	29.93	+ .32	56	52	+ 1	NW	4	0	5	61	52	0.12		

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Wednesday, 20<sup>th</sup> OCTOBER. 1886.

## BAROMETER, WIND & SEA.

(Explanation of Map)

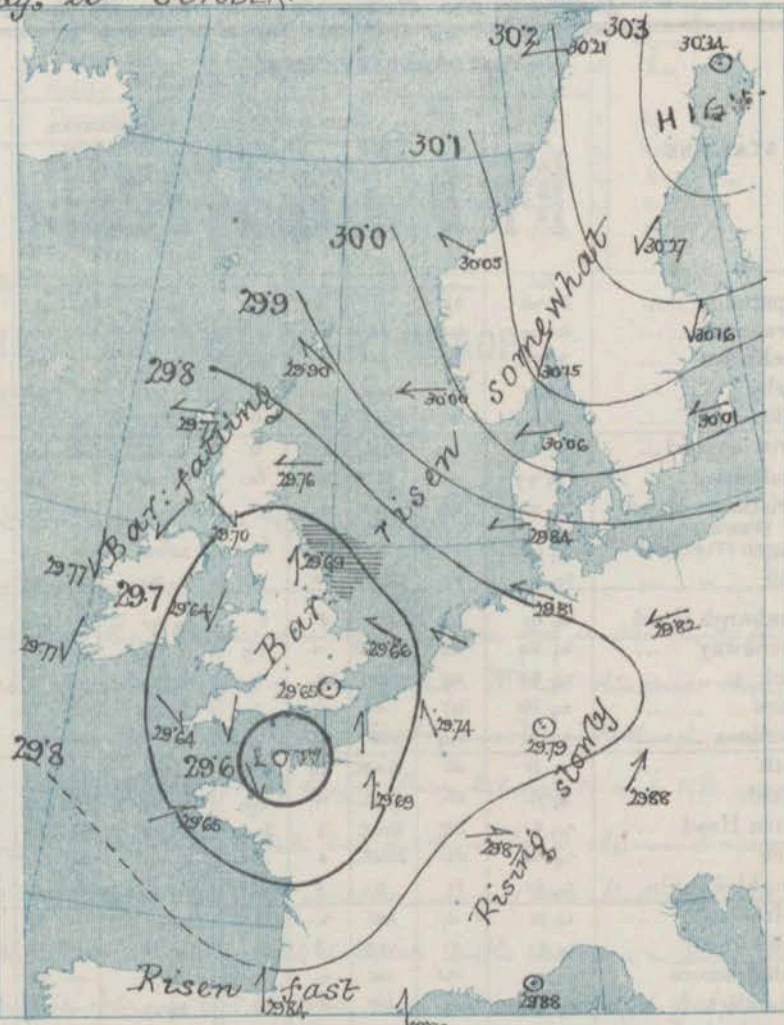
**Barometer**—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind**—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus—  
 — = forces above 10; — = forces 8 to 10;  
 — = forces 5 to 7; — = forces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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.685
Stornoway	29.707
Wick	29.718
Nairn	29.738
Aberdeen	29.748
Leith	29.780
Shields	29.821
York	29.860
Ardrossan	29.749
Donaghadee	29.805
Holyhead	29.830
Liverpool	29.848
Valencia	29.842
Roche's Point	29.843
Pembroke	29.847
Scilly	29.877
Hurst Castle	29.894
Dover	29.907
LONDON	29.902
Oxford	29.891
Cambridge	29.894
Yarmouth	29.889



## 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.	Average.	Wet.	
Sumburgh Head	49.5	41.6	45.9	44.4	4.33
Stornoway	50.2	38.8	45.1	43.9	4.94
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	42.5	2.38
Aberdeen	52.1	41.3	45.5	43.5	2.88
Leith	55.3	41.9	46.7	45.1	1.94
Shields	53.2	43.1	47.3	45.5	2.46
York	55.2	40.9	46.0	44.7	2.64
Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	53.2	43.2	47.8	46.8	3.35
Holyhead	54.9	47.5	50.4	48.6	4.53
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	6.09
Roche's Point	55.6	46.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.5	49.4	4.13
Scilly	56.8	50.7	53.9	52.0	3.84
Hurst Castle	57.7	46.8	51.5	50.5	3.24
Dover	56.2	47.8	51.5	49.4	3.28
LONDON	57.1	43.5	48.4	46.9	2.74
Oxford	55.7	42.9	47.0	45.8	2.72
Cambridge	57.0	41.6	46.6	45.7	2.36
Yarmouth	54.9	45.1	49.5	48.2	2.97

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.3 ins and upwards in the north of Sweden, but relatively high 29.9 ins at Lisbon. Lowest, 29.6 ins and less in a small depression lying over the eastern part of the Channel.
TEMPERATURE	Highest, 58° at Biarritz, 57° at Bruges and 56° at Nice and Lisbon. Lowest, 34° at Haparanda, 35° at Rode, 44° at Naim and 45° at Mullaghmore.
WIND	Light N or NW on our western and south-western coasts. Moderate S or SE over France, the Netherlands and the south-east of England. Moderate NE in Sweden and E or SE in Norway and Scotland.
WEATHER	Bell at our northern and eastern stations and also on the eastern shores of the North Sea with fog locally and showers at Aberdeen and Orford. Fair or fine in most other localities.
SEA	Rather rough at Shields, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now rising briskly over Spain and the south of France, and the depression off the south of England seems likely to hold for the present.

At Stormorway the fall of the barometer has become rather decided and it is therefore not unlikely that a depression is approaching our north-west coast. The indications, however, furnish no evidence with regard to its size or depth.

## FORECASTS

For the 24 hours ending at NOON on 21<sup>st</sup> October 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	E <sup>ly</sup> and SE <sup>ly</sup> winds, freshening; cloudy, some rain.	6 { SCOTLAND WEST	E <sup>ly</sup> winds, light to fresh, fair to cloudy and some rain.
1 { SCOTLAND EAST	----- D° ----- D°	7 { ENGLAND N. W.	----- D° ----- D°
2 { ENGLAND N. E.	E <sup>ly</sup> winds, light or moderate, fair generally, but local showers.	8 { ENGLAND S. W.	Same as N° 5.
3 { ENGLAND EAST	----- D° ----- D°	9 { IRELAND NORTH	Variable breezes, finally SE <sup>ly</sup> , cloudy, some rain.
4 { MIDLAND COUNTIES	----- D° ----- D°	10 { IRELAND SOUTH	D° D°
5 { ENGLAND SOUTH	Light variable breezes, cloudy, some mist, rain locally.	WARNINGS	None issued.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.95	59	48	SE	2	c	2	Holyhead ...	29.69	53	50	NNE	5	bc	5
Sumburgh Head	29.89	50	47	Z	0	o	2	Valencia ...	29.77	54	51	NNE	3	bc	3
Stornoway ...	29.92	51	47	NE	4	cp	3	Scilly ...							
Aberdeen ...	29.87	49	48	NE	3	op	4	Dungeness ...	29.59	58	55	ESE	2	c	1
Shields ...	29.70	51	50	NE	4	op	5	London ...	29.59	50	53	NE	1	f	2
Ardrossan ...	29.80	50	47	NE	3	o	1	Yarmouth ...	29.59	55	53	S	1	bc	4
Malin Head ...	29.83	52	49	NE	2	o	2	Jersey ...	29.52	57	55	ESE	2	b	2
Mullaghmore ...	29.82	54	49	NE	5	c	4	Rocheport ...	29.57	62	55	S	7	c	3
Belmullet ...	29.85	52	50	NNE	3	r	2								

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

(For condition at 8 am today see pp 2 and 3)

The Continental Reports for yesterday morning showed that areas of high pressure (30.1 ins. and upwards) were lying respectively over Lapland and Asia Minor, while shallow depressions existed over the Baltic, Holland, and the Bay of Biscay. These disturbances were, however, filling up and the barometer was rising generally. Moderate NE<sup>2</sup>-breezes prevailed over Northern Europe, and also over the greater part of the British Islands, but over South-eastern Europe calm or variable air were reported, while in the neighbourhood of the three depressions noticed above the wind showed a distinct cyclonic circulation. Rain was falling on the shores of the Baltic, in the north of England and also at some of the French stations and fog prevailed at many of the Central and Eastern stations, but elsewhere the weather was fair. Temperature had fallen a little over northern but risen over Southern Europe, and readings ranged from 70° or above over Algeria and Southern Italy to 35° or below in Lapland and Northern Russia. The highest individual readings were 77° at Malta, 75° at Ispah, 71° at Naples, and 70° at Brindisi, the lowest were 31° at Niparanda, 34° at Archangel, 36° at Bodo and 38° at Uleaborg.

In the course of the day the three depressions continued to disperse, and the barometer rose on all but our western and northern coasts, where a slight fall took place. The weather over England, however, remained rather unsettled, and at night thunderstorms or lightning alone were reported over all the more southern countries.

### 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 21<sup>st</sup> October

1886.

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

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)		SHADE TEMP.		Amount of Rainfall.
			Dir.	Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)				Max.	Min.	
SCANDINAVIA.	Haparanda ...	30.39	33	2	0		30.40	+ .06	38	36	+ 4	SE	2	0	7		30		
	Hernösand ...	30.41	39	2	0		30.41	+ .14	37	35	- 2	2	0	0	7		43	37	0.04
	Stockholm ...	30.23	43	NE	4	0	30.27	+ .17	40	38	- 1	ESE	4	0	7		45	39	-
	Wisby ...	30.08	47	ESE	4	0	30.09	+ .08	44	43	- 3	ESE	6	7	7		52	2	0.04
	Bodö ...	30.17	38	ESE	2	6	30.19	- .02	36	33	+ 1	E	2	6	0		41	32	-
	Christiansund...	30.06	46	ESE	1	6	30.07	+ .02	44	39	+ 1	ESE	4	6	2		50	41	-
	Skadesnaes ...	30.02	49	E	6	6c	30.01	+ .01	50	45	+ 1	E	4	0	3		52	48	-
	Christiania Fjord (Fierder)	30.17	45	ENE	6	0	30.11	- .04	46	45	+ 4	ENE	8	7	3		57	?	-
	Skagen (The Scaw)	30.07	48	E	3	0	29.95	- .11	48	46	+ 3	E	5	7	4		48	44	0.04
	Faßö ...	29.87	49	ESE	5	0	29.77	- .09	49	49	- 1	E	2	e	7		54	48	0.08
BRITISH ISLANDS.	Sumburgh Head	29.77	50	SE	5	0	29.81	- .09	50	49	+ 2	ESE	2	0	6		51	48	0.28
	Stornoway ...	29.69	50	SW	1	cg	29.78	+ .01	45	44	- 3	2	0	cg	0		57	43	0.01
	Wick ...	29.69	51	S	5	0	29.82	+ .03	41	41	- 9	2	0	om	1		51	41	0.28
	Nairn ...	29.67	50	2	0	c	29.81	+ .05	44	44	0	2	0	e	1		52	42	0.04
	Aberdeen...	29.72	50	ESE	1	0	29.85	+ .09	50	50	0	2	1	nm	2		53	48	0.23
	Leith ...	29.71	52	NW	1	b	29.84	+ .14	48	48	- 3	2	0	f	7		56	46	0.01
	Shields ...	29.72	48	SE	1	f	29.86	+ .14	48	48	- 2	2	0	f	3		54	45	-
	Spurn Head ...	29.72	53	E	2	b	29.82	+ .14	52	51	+ 1	NW	3	cm	3		56	50	-
	York ...	29.73	54	N	1	cln	29.85	+ .16	47	47	- 3	NW	1	f	7		57	46	-
	Loughborough	29.73	49	NNE	1	n	29.86	+ .17	47	47	0	W	1	om	7		59	46	0.69
GERMANY.	Ardrossan ...	29.70	50	NW	1	c	29.84	+ .14	47	47	- 3	E	1	of	0		52	46	0.02
	Malin Head ...	29.72	50	NW	2	0	29.81	+ .08	46	45	- 4	SW	3	bc	2		52	45	-
	Mullaghmore ...	29.74	50	W	2	oy	29.86	+ .10	49	47	+ 4	NW	4	cp	3		53	44	0.05
	Belmullet ...	29.77	47	NW	3	0	29.91	+ .14	47	45	- 1	NW	2	c	7		52	46	0.10
	Donaghadee ...	29.73	51	NE	2	c	29.87	+ .17	43	42	- 8	WSW	2	c	0		53	42	-
	Barrow-in-Furness	29.71	51	ESE	1	0	29.85	+ .18	49	48	+ 2	ESE	2	f	2		51	46	-
	Liverpool (Bidston)	29.73	51	ESE	1	0	29.86	+ .20	50	50	+ 2	WSW	2	0	2		57	48	0.03
	Holyhead ...	29.72	51	2	0	cm	29.88	+ .24	50	48	0	NW	3	e	2		55	50	0.05
	Parsonstown ...	29.78	50	2	0	0	29.93	+ .19	46	45	0	2	0	0	7		53	41	-
	Valencia ...	29.82	50	NW	3	om	29.97	+ .20	49	46	0	NW	2	bc	1		55	48	0.06
FRANCE & NETHERLANDS.	Roche's Point...	29.79	51	NW	2	0	29.93	+ .22	48	45	+ 1	NW	2	bc	3		55	44	-
	Pembroke ...	29.73	52	NW	2	c	29.93	+ .30	52	50	+ 4	NW	2	bc	1		54	48	0.02
	Scilly ...																		
	Prawle Point ...	29.75	52	W	2	c	29.95	+ .33	51	49	+ 3	NW	2	bc	2		58	46	0.02
	Jersey ...	29.77	54	W	4	cp	29.95	+ .36	51	50	- 2	NW	3	cp	3		58	50	0.12
	Hurst Castle ...	29.72	55	WSW	3	c	29.90	+ .30	47	47	- 4	NW	1	m	1		57	44	0.07
	Dungeness ...	29.68	53	NW	3	c	29.84	+ .23	40	40	- 17	NW	2	f	2		60	38	0.12
	London ...	29.72	53	NW	2	cm	29.88	+ .23	46	44	- 6	2	0	f	7		58	43	-
	Oxford ...	29.75	50	2	0	e	29.88	+ .23	46	46	- 2	WSW	1	of	7		55	44	0.18
	Cambridge ...	29.71	59	NW	1	n	29.86	+ .18	45	45	- 3	2	0	0	7		58	42	0.99
PENIN. ISLA.	Yarmouth ...	29.69	55	SE	2	b	29.79	+ .13	50	49	- 6	W	3	com	3		57	49	0.15
	Cuxhaven ...	29.84	50	ESE	3	c	29.82	+ .01	50	49	- 1	E	2	0	7		57	48	0.26
	Berlin ...	29.93	48	2	0	b	29.97	+ .15	46	46	- 1	E	1	bc	7		52	43	-
	Wiesbaden ...	30.03	48	2	0	b	29.95	+ .16	48	47	- 4	2	0	0	7		63	45	-
	Munich ...	30.03	48	2	0	b	29.97	+ .09	48	47	- 2	NW	1	m	7		59	45	-
	The Helder ...	29.77	53	2	0	b	29.77	+ .05	51	50	0	ESE	1	f	1		57	50	-
	Brussels ...	29.77	53	2	0	b	29.88	+ .14	49	48	- 2	SW	4	e	7		60	48	0.04
	Cape Gris Nez...	29.68	54	S	3	n	29.80	+ .17	53	51	+ 2	W	5	b	4		61	5	0.24
	Paris ...	29.86	54	SSW	3	c	29.99	+ .30	46	46	- 4	SSW	3	b	7		58	44	0.04
	Brest ...	29.86	54	NW	5	0	29.99	+ .34	53	51	0	NW	3	b	3		61	45	-

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

Thursday, 21<sup>st</sup> OCTOBER.

1886.

## BAROMETER, WIND & SEA.

(Explanation of Map)

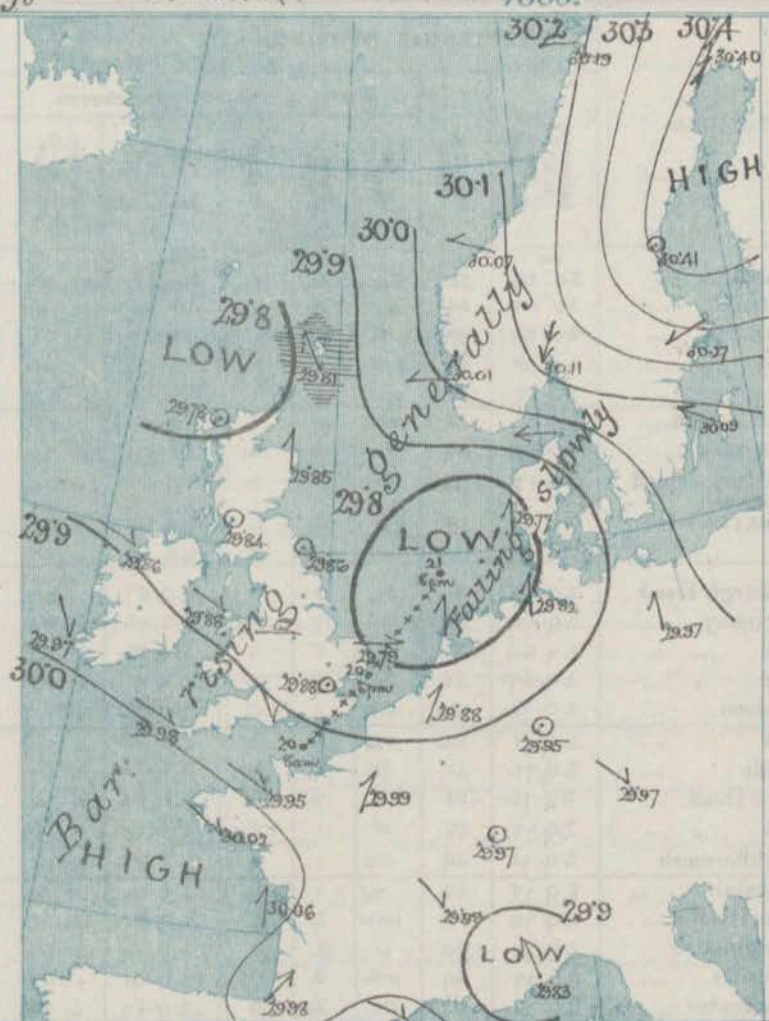
**Barometer** — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 \* — force above 10; — force 8 to 10;  
 — force 5 to 7; — force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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.685
Stornoway	29.707
Wick	29.718
Nairn	29.738
Aberdeen	29.748
Leith	29.780
Shields	29.821
York	29.860
Ardrossan	29.749
Donaghadee	29.805
Holyhead	29.830
Liverpool	29.848
Valencia	29.842
Roche's Point	29.843
Pembroke	29.847
Scilly	29.877
Hurst Castle	29.894
Dover	29.907
LONDON	29.902
Oxford	29.891
Cambridge	29.894
Yarmouth	29.889



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

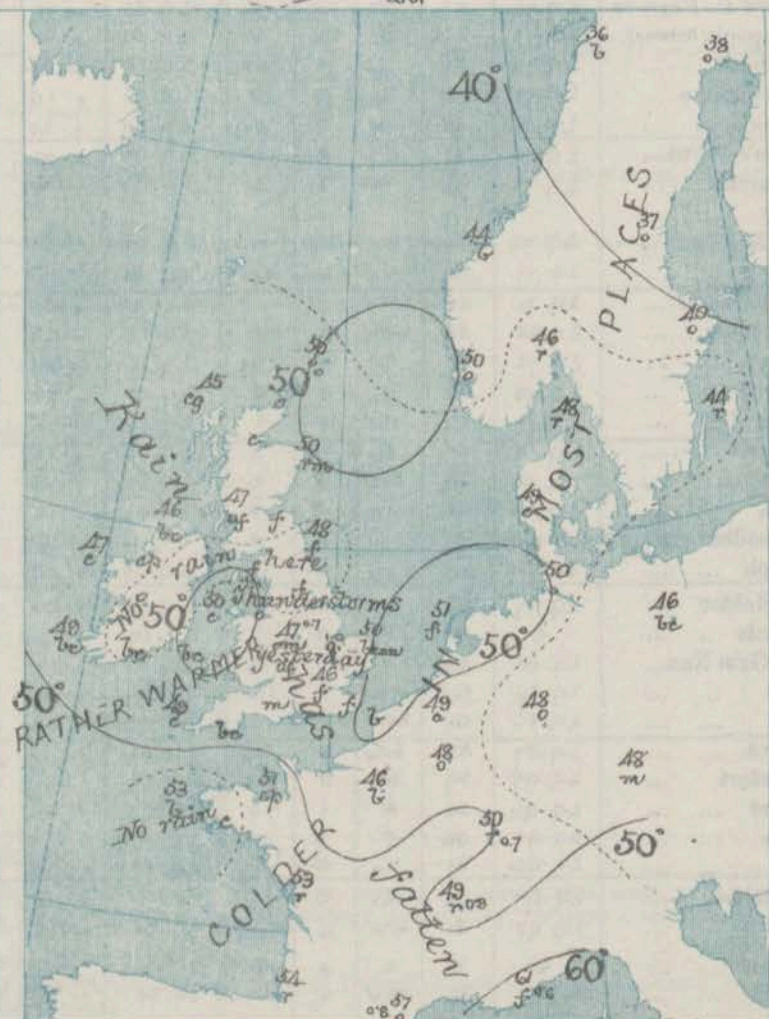
**Temperature** — Isotherms are drawn for each 10° changes since previous morning are stated in words.  
**Weather** — is shown by Letters of the Beaufort Scale.  
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, 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	49.5	41.6	45.9	44.4	4.33
Stornoway	50.2	38.8	45.1	43.9	4.94
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	42.5	2.38
Aberdeen	52.1	41.3	45.5	43.5	2.88
Leith	55.3	41.9	46.7	45.1	1.94
Shields	53.2	43.1	47.3	45.5	2.46
York	55.2	40.9	46.0	44.7	2.64
Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	53.2	43.2	47.8	46.3	3.35
Holyhead	54.9	47.5	50.4	48.6	4.53
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	6.09
Roche's Point.	55.6	46.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.5	49.4	4.13
Scilly	56.8	50.7	53.9	52.0	3.84
Hurst Castle.	57.7	46.8	51.5	50.5	3.24
Dover	56.2	47.8	51.5	49.4	3.28
LONDON	57.1	43.5	48.4	46.9	2.74
Oxford	55.7	42.9	47.0	45.8	2.72
Cambridge	57.0	41.6	46.6	45.7	2.36
Yarmouth	54.9	45.1	49.5	48.2	2.27

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





## GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.4 ins., in an anticyclone lying over the Gulf of Bothnia, but relatively high 30.2 in. in Portugal.  
Lowest 29.8 ins. and less, in two shallow depressions lying respectively over the N. of Scotland, and the southern part of the North Sea.  
A third depression, with reading below 29.9 ins. is situated over the Riviera.

TEMPERATURE

Highest,  $61^{\circ}$  at Nice,  $57^{\circ}$  at Perpignan,  $56^{\circ}$  at Lisbon, and  $52^{\circ}$  at Spun Head  
Lowest,  $36^{\circ}$  at Rods,  $37^{\circ}$  at Hernörand,  $38^{\circ}$  at Haparanda and  $40^{\circ}$  at Dungeness.

WIND

Light  $S^{\frac{N}{2}}$  over Denmark, the Netherlands, and the southwest and north east of France  
 Strong  $E^{\frac{N}{2}}$  over the south of Scandinavia  
 Calm in Scotland and the north east of England, light  $W^{\frac{N}{2}}$  or  $NW^{\frac{N}{2}}$  on our west, south, and south-east coasts.

## WEATHER

time at many of our western and south-western stations.  
Cloudy elsewhere, with fog over the east of Great Britain, and rain in the neighbourhood of the Skager Raek,  
as well as at several of the French stations.

SEA

Rough at Lumburgh Head, but moderate to smooth elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay off the south of England yesterday has moved north-eastwards to the southern part of the North Sea, and in the meantime other shallow depressions have appeared over the north of Scotland and the south-east of France.

With an anticyclone over the Gulf of Botnia, and a second high-pressure system over Spain there is a continued tendency for the development of shallow disturbances in the intervening regions, and unsettled weather is likely in many districts.

## FORECASTS

for the 24 hours ending at NOON on 22<sup>ND</sup> OCTOBER 1886.

DISTRICTS.		FORECASTS.		DISTRICTS.		FORECASTS.	
0	SCOTLAND NORTH	Variable and S <sup>th</sup> breezes; dull, some rain.		6	SCOTLAND WEST	Same as No 0	
1	SCOTLAND EAST	D°-----D°-----D°-----		7	ENGLAND N. W.	W <sup>th</sup> winds, light or moderate; cloudy, misty.	
2	ENGLAND N. E.	W <sup>th</sup> and NW <sup>th</sup> winds, light; dull, misty, rain locally.		8	ENGLAND S. W.	Same as No 5.	
3	ENGLAND EAST	D°-----D°-----D°-----		9	IRELAND NORTH	Same as No 5.	
4	MIDLAND COUNTIES	D°-----D°-----D°-----		10	IRELAND SOUTH	Same as No 5.	
5	ENGLAND SOUTH	W <sup>th</sup> and NW <sup>th</sup> winds, moderate; fair generally, but perhaps some showers.		WARNINGS		NONE ISSUED.	



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	20.02	51	45	SE 6	n	3	Holyhead ...	29.68	54	51	2 0	0	0
Sumburgh Head ...	29.82	48	47	E 3	n	4	Valencia ...	29.80	54	51	WNW 3	0 v	3
Stornoway ...	29.71	54	51	SE 2	c	2	Scilly ...						
Aberdeen ...	29.73	52	51	SE 3	cp	4	Dungeness ...	29.64	54	53	SE 3	0	3
Shields ...	29.71	52	51	E 2	cm	4	London ...	29.66	58	54	NW 2	cm	4
Ardrossan ...	29.69	52	50	NW 2	Om	1	Yarmouth ...	29.69	57	56	E 2	6	3
Malin Head ...	29.71	52	50	NW 1	0	2	Jersey ...	29.71	56	55	W 3	c	3
Mullaghmore ...	29.74	52	49	WNW 1	e	1	Rochefort ...	29.90	63	59	W 6	c	2
Belmullet ...	29.76	52	48	WNW 3	Op	4							

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

(For condition at 8 am today see pp 2 and 3)

The Continental report for yesterday showed that while an anticyclone, with readings above 30.3 ins. lay over Lapland and the north of Scandinavia, a large area of low pressure covered the whole of Western and Central and the greater part of Southern Europe. Within this area three shallow depressions were found; one over the English Channel, another over the southwest of Austria, and the third near Algiers. Moderate or fresh breezes from the E<sup>nd</sup> prevailed over the whole of Northern Europe; but in other localities the wind which was light in force circulated round one or other of the three depressions noticed above.

The weather was cloudy or overcast in most places with fog or mist locally, and rain at some of the French and German stations. Temperature had fallen several degrees over Northern Russia, but elsewhere the changes were very irregular, readings ranged from 70° and upwards over Algeria and Southern Italy to 32° or below over Northern Europe. The highest individual readings were 79° at Malta, 74° at Tunis, 72° at Naples and Brindisi, and 71° at La Calle; the lowest were 16° at Archangel, 31° at Kuopio, 34° at Haparanda, and 35° at Bobo.

In the course of the day the depression over the English Channel moved slowly north-eastward, and, as it did so heavy thunderstorms were experienced over our midland and eastern counties. In the meantime a shallow disturbance <sup>appeared</sup> over the north of Holland and occasioned a freshening of the S<sup>1</sup> winds at our extreme 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).

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



# DAILY WEATHER REPORT.

for Friday 22<sup>nd</sup> October 1886.

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

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.								PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.
			Dir.	Force. (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	
SCANDINAVIA.	Haparanda ..	30.45	35	W	4	0	30.46	+0.06	34	32	-4	S	4	0	39	32	-
	Hernösand ...	30.43	36	W	4	0	30.38	-0.05	37	36	0	S	2	0	39	36	0.08
	Stockholm ...	30.25	40	E	4	0	30.25	?	47	39	+1	E	4	0	48	37	-
	Wisby ...	30.15	41	E	4	0	30.07	-0.02	39	36	-5	ESE	4	0	46	39	-
	Bodö ...	30.19	39	ESE	2	0	30.09	-0.10	40	35	+4	E	4	0	41	?	-
	Christiansund...	30.06	41	ESE	1	0	29.97	-0.10	47	41	+6	ESE	3	0	48	39	-
	Skudesnaes ...	29.95	46	E	2	0	29.95	-0.06	48	46	-2	ESE	4	0	52	46	0.24
	Christiania Fjord (Fjærd)	30.05	44	ESE	8	0	30.07	-0.04	43	42	-3	ESE	6	0	?	43	0.55
	Skagen (The Scaw)	29.92	51	SE	4	0	29.96	+0.01	47	46	-1	SE	3	0	?	46	0.67
	Fanö ...	29.83	51	SSE	1	0	29.84	+0.07	49	49	0	SSE	1	0	54	48	-
BRITISH ISLANDS.	Sumburgh Head	29.87	50	SSE	2	0	29.87	+0.06	49	48	-1	SSE	2	0	51	47	0.63
	Stornoway ...	29.85	47	W	0	0	29.84	+0.06	44	43	-1	WSW	2	0	55	41	0.07
	Wick ...	29.84	47	W	0	0	29.87	+0.05	44	43	+3	W	1	0	52	41	-
	Nairn ...	29.84	49	W	0	0	29.87	+0.06	34	33	-10	W	0	0	51	32	0.01
	Aberdeen...	29.87	50	S	1	0	29.89	+0.04	40	39	-10	SW	1	0	52	39	0.41
	Leith ...	29.90	50	NE	1	0	29.92	+0.08	42	41	-6	NE	1	0	51	39	0.25
	Shields ...	29.88	49	W	0	0	29.92	+0.06	44	43	-4	WSW	1	0	50	40	0.29
	Spurn Head ...	29.90	52	NE	3	0	29.93	+0.11	48	47	-4	W	3	0	53	47	-
	York ...	29.90	50	NE	1	0	29.93	+0.08	44	43	-3	W	1	0	52	43	0.20
	Loughborough	29.94	50	NE	2	0	29.99	+0.13	37	37	-10	W	0	0	52	36	-
GERMANY.	Ardrossan ...	29.89	51	SW	2	0	29.91	+0.07	42	41	-5	ESE	1	0	54	39	-
	Malin Head ...	29.87	48	WSW	3	0	29.83	+0.02	38	38	-8	SSE	3	0	53	37	0.01
	Mullaghmore ...	29.95	47	WSW	4	0	29.80	-0.06	44	41	-5	SE	4	0	52	42	0.05
	Belmullet ...	29.97	44	N	3	0	29.91	-0.20	44	42	-3	ESE	5	0	50	42	-
	Donaghadee ...	29.93	46	WSW	2	0	29.90	+0.03	35	35	-8	WSW	2	0	53	32	-
	Barrow-in-Furness	29.91	50	W	2	0	29.92	+0.07	47	44	-2	SW	1	0	53	45	0.12
	Liverpool (Bidston)	29.95	49	W	2	0	29.94	+0.08	45	43	-5	SSE	2	0	51	44	0.54
	Holyhead ...	29.95	49	WSW	1	0	29.92	+0.04	46	45	-4	ESE	1	0	55	42	-
	Parsonstown ...	29.99	49	W	0	0	29.87	-0.06	42	42	-4	SE	1	0	52	32	-
	Valencia ...	30.02	46	WSW	2	0	29.91	-0.26	52	51	+3	S	6	0	56	41	0.25
FRANCE & NETHERLANDS.	Roche's Point...	30.01	48	W	0	0	29.82	-0.11	53	51	+5	SSW	4	0	55	46	0.02
	Pembroke ...	30.00	52	WSW	2	0	29.93	-0.07	51	48	-1	SSW	2	0	53	49	0.04
	Scilly ...	30.03	52	WSW	2	0	29.99	+0.04	53	50	+2	S	1	0	56	43	-
	Prawle Point ...	30.03	53	WSW	2	0	30.01	+0.06	53	52	+2	SW	2	0	57	48	0.87
	Hurst Castle ...	29.99	53	NE	3	0	30.02	+0.12	45	45	-2	ESE	1	0	58	40	-
	Dungeness ...	29.92	49	NE	2	0	29.98	+0.14	40	40	0	NE	2	0	59	38	-
	London ...	29.96	51	NE	1	0	30.01	+0.13	43	42	-3	W	0	0	54	39	-
	Oxford ...	29.99	48	W	0	0	30.02	+0.14	36	36	-10	W	0	0	56	36	-
	Cambridge ...	29.93	50	W	0	0	29.99	+0.13	42	42	-3	W	1	0	53	39	-
	Yarmouth ...	29.87	53	W	0	0	29.94	+0.15	48	47	-2	NE	3	0	59	46	0.02
PENINSULA.	Cuxhaven ...	29.82	52	SW	1	0	29.86	+0.04	52	51	+2	SW	1	0	54	50	0.16
	Berlin ...	29.91	53	W	0	0	29.90	+0.07	50	50	+4	NE	1	0	57	?	0.04
	Wiesbaden ...	30.03	49	W	0	0	30.03	+0.08	49	48	+1	W	0	0	57	46	-
	Munich ...	30.00	47	W	3	0	30.10	+0.13	45	43	-3	SW	5	0	55	43	0.20
	The Helder ...	29.87	53	NE	1	0	29.93	+0.16	53	51	+2	NE	1	0	55	?	0.28
	Brussels ...	30.00	49	W	0	0	30.00	+0.12	49	49	0	SW	4	0	54	47	-
	Cape Gris Nez...	29.93	53	NE	5	0	29.97	+0.17	52	51	-1	NE	4	0	59	50	-
	Paris ...	30.05	50	W	1	0	30.10	+0.11	42	42	-4	SE	1	0	60	41	0.044
	Brest ...	30.06	54	W	0	0	30.02	+0.03	50	49	-3	E	3	0	57	46	-
	Lorient ...	30.08	53	SW	3	0	30.04	+0.02	48	48	-6	E	4	0	64	43	0.16
PENINSULA.	Rochefort ...	30.16	59	SW	3	0	30.13	+0.07	53	51	0	S	3	0	63	48	0.51
	Belfort ...	30.04	50	S	1	0	30.13	+0.16	47	46	-3	S	1	0	54	44	-
	Lyons ...	30.13	53	NE	1	0	30.16	+0.17	49	47	0	NE	1	0	57	48	0.16
	Nice ...	29.98	60	NE	3	0	29.98	-0.03	51	45	-10	E	3	0	64	48	-
PENINSULA.	Perpignan † ...	30.14	57	NE	3	0	30.19	+0.18	45	44	-12	W	0	0	67	43	0.75
	Biarritz ...	30.19	62	W	4	0	30.12	+0.14	55	52	+1	S	5	0	64	52	1.22
PENINSULA.	Corunna ...	30.25	60	WSW	5	0	30.19	-0.01	54	54	-2	NE	1	0	64	54	-
	Lisbon ...	30.25	60	WSW	5	0	30.19	-0.01	54	54	-2	NE	1	0	64	54	-

For Explanation of Columns, see p. 1. † Received too late for insertion in Charts.



# WEATHER CHARTS

for 8 a.m. on Friday, 22<sup>nd</sup> OCTOBER

1886.

## BAROMETER, WIND & SEA.

(Explanation of Map)

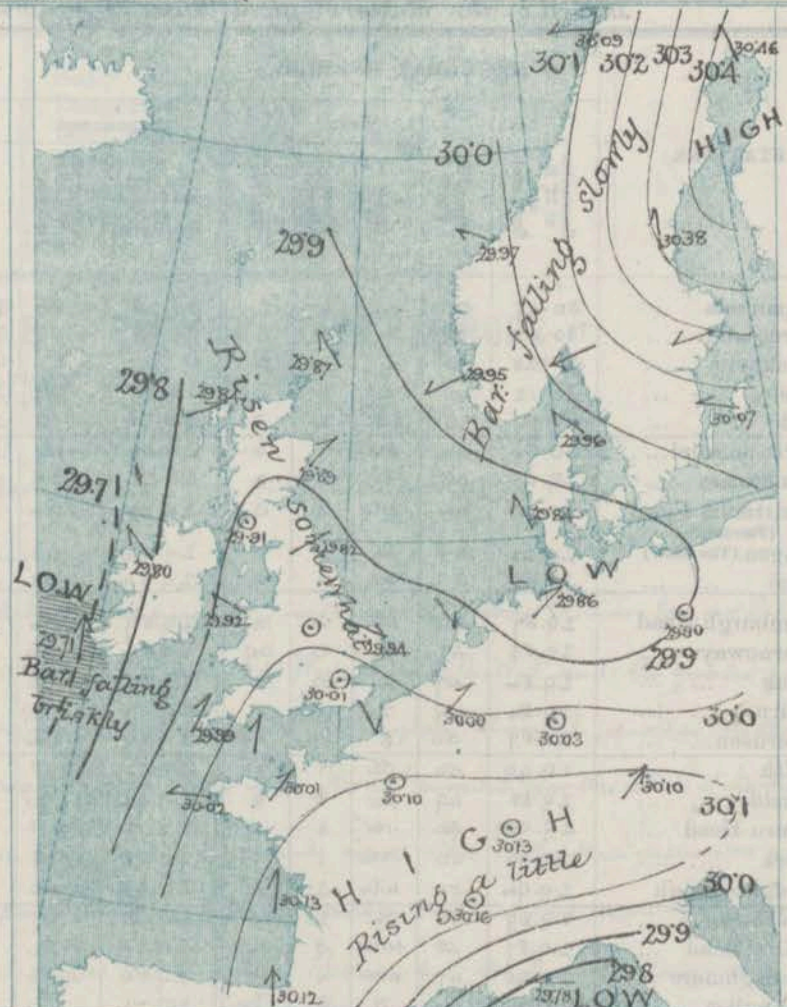
**Barometer** — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 → = forces above 10; →→ = forces 8 to 10;  
 →→ = forces 5 to 7;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

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

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.685
Stornoway	29.707
Wick	29.718
Nairn	29.738
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Shields	29.821
York	29.860
Ardrossan	29.749
Donaghadee	29.805
Holyhead	29.830
Liverpool	29.848
Valencia	29.842
Roche's Point	29.843
Pembroke	29.847
Scilly	29.877
Hurst Castle	29.804
Dover	29.907
LONDON	29.902
Oxford	29.891
Cambridge	29.894
Yarmouth	29.889



## 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.	Average Dry.	Average Wet.	
Sumburgh Head	49.5	41.6	45.9	44.4	4.33
Stornoway	50.2	38.8	45.1	43.9	4.94
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	42.5	2.38
Aberdeen	52.1	41.8	45.5	43.5	2.88
Leith	55.3	41.9	46.7	45.1	1.94
Shields	53.2	43.1	47.3	45.5	2.46
York	55.2	40.9	46.0	44.7	2.64
Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	53.2	43.2	47.8	46.8	3.35
Holyhead	54.9	47.5	50.4	48.6	4.58
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	6.09
Roche's Point	55.6	46.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.5	49.4	4.13
Scilly	56.8	50.7	53.9	52.0	3.84
Hurst Castle	57.7	46.8	51.5	50.5	3.24
Dover	56.2	47.8	51.5	49.4	3.28
LONDON	57.1	48.5	48.4	46.9	2.74
Oxford	55.7	42.0	47.0	45.8	2.72
Cambridge	57.0	41.6	46.6	45.7	2.36
Yarmouth	54.9	45.1	49.5	48.2	2.97

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.4 ins. and upwards over the Gulf of Bothnia, but relatively high 30.1 ins. and upwards over Central France and South Germany. Lowest 29.7 ins. off the west of Ireland, but relatively high 29.8 ins. and less in a small depression lying over the Gulf of Genoa.
TEMPERATURE	Highest, 55° at Kilmory and 53° at Rochepoint, Howletpoint, and Jersey. Lowest, 34° at Naperanda and Kairn, 35° at Donaghadee and 36° at Oxford. Frost was experienced last night over the inland parts of Ireland and Scotland.
WIND	SE <sup>2</sup> or S <sup>2</sup> on our western coasts; strong in force at Valencia. Light W <sup>2</sup> in the north and east of Great Britain. Moderate to strong from E. over the southern parts of Scandinavia.
WEATHER	Rainy at Valencia, and also in the neighbourhood of the Skagerrack. Dull in Scandinavia and Germany. Fair or fine elsewhere, but with fog over Denmark and the central and southern parts of England.
SEA	Rough at Valencia, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed over the North Sea yesterday has almost entirely dispersed, but in the course of the past night a brisk fall of the barometer has set in over Ireland, and a new disturbance is evidently approaching our western coasts.

With the present distribution of pressure the disturbance is scarcely likely to advance directly over our Islands, but the falling barometer will probably extend backwards, and unsettled weather is likely in most districts.

## FORECASTS

For the 24 hours ending at NOON on 23<sup>rd</sup> OCTOBER 1886.

### DISTRICTS.

### FORECASTS.

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

Wind backing to S or SE, and increasing in force; fine to unsettled and some rain.

----- D<sup>2</sup> ----- D<sup>2</sup> ----- D<sup>2</sup> -----

Same as No 5

Same as No 5

Same as No 5

W<sup>2</sup> winds, light, to S<sup>2</sup> or SE<sup>2</sup> winds, fresh, fine to cloudy and some rain.

### DISTRICTS.

### FORECASTS.

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

SE<sup>2</sup> winds, increasing in force; fair to rainy.

----- D<sup>2</sup> ----- D<sup>2</sup> ----- D<sup>2</sup> -----

S<sup>2</sup> winds, increasing in force; fair to rainy.

SE<sup>2</sup> and S<sup>2</sup> winds, increasing to a gale; squally, rainy.

----- D<sup>2</sup> ----- D<sup>2</sup> ----- D<sup>2</sup> -----

### WARNINGS

The south cone has been hoisted this morning in districts 9 and 10.  
An asterisk is inserted against those districts where the signals are now flying.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.02	52	46	E 1/2 E 4	0	3	Holyhead ...	29.93	52	49	W 3	c	2
Sumburgh Head	29.85	50	50	SSE 1	m	4	Valencia ...	30.02	53	49	W 2	b cp	2
Stornoway ...	29.83	51	47	SSE 4	be	4	Scilly ...						
Aberdeen ...	29.87	52	51	S 1	op	3	Dungeness ...	29.89	57	54	W 4	e	3
Shields ...	29.87	49	49	E 1	f	3	London ...	29.92	54	51	W 3	e	4
Ardrossan ...	29.87	54	50	E 2	c	2	Yarmouth ...	29.82	55	54	W 0	c	3
Malin Head ...	29.84	51	50	W 3	c	2	Jersey ...	30.01	52	52	W 3	e	3
Mullaghmore ...	29.92	50	46	W 1/2 W 5	cp	4	Rochefort ...	30.12	61	58	S 4	e	2
Belmullet ...	29.97	50	45	W 1/2 W 3	b	3							

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

(For condition at 8 a.m. today see pp 2 and 3)

The Continental Reports for yesterday showed that while an anticyclone with readings above 30.3 ins. existed over Northern Europe areas of relatively low pressure were lying respectively over the North Sea and the east of our Islands, the south of France and north of Italy, and Southern Russia. Light W<sup>1</sup> or NW<sup>1</sup> breezes prevailed over the west and south of the United Kingdom and the north of France, and E<sup>1</sup> breezes over Scandinavia and Northern Europe, but in the south of France the wind circulated round the low pressure area in that locality, while over the more central part of Europe the wind was light and variable. Rain was falling at several of the German and French stations and also in the south of Norway and overcast <sup>was reported</sup> over Northern Europe, but elsewhere the weather was fair. Temperature had changed rather irregularly, but the general tendency was for a slight fall; readings ranged from 70° over Southern Italy and some parts of Algeria to 15° or below over Northern Russia. The highest individual readings were 82° at Palermo, 78° at Malta, 74° at Naples, and 72° at Sofia; the lowest were 12° at Archangel and Kuopio, 29° at Helsinki, 31° at Moscow, and 36° at Bodö.

In the course of the day the low pressure area over the North Sea showed signs of filling up. Over the northern and eastern part of the Kingdom, however, the weather remained damp and unsettled, and at 5 p.m. a heavy thunderstorm occurred at Shields. Faint Aurora was seen at Mullaghmore at night.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Saturday 23<sup>rd</sup> OCTOBER 1886.

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. Reading at 8 P.M. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea (0 to 2.)	SHADE TEMP.		Amount of Rainfall.		
			Direc.	Force. (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ..	30.37	36	S	2	0	30.29	- .17	37	35	+ 3	S	4	0	4	37	30	—		
Hernösand ...	30.36	39	SE	2	0	30.26	- .02	36	35	- 1	Z	0	0	4	41	36	?		
Stockholm ...	30.17	39	NNE	2	0	30.24	?	37	35	- 4	N	2	0	4	41	34	—		
Wishby ...	30.13	40	E	4	0	30.10	+ .03	40	38	+ 1	E	4	0	4	41	37	—		
Bodö ...	30.08	40	E	4	0	30.09	— .00	43	40	+ 3	WSW	6	0	3	?	?	0.16		
Christiansund...	30.09	46	SSW	1	bc	30.25	+ .28	46	44	- 1	SSW	3	r	2	48	43	0.04		
Skadesnaes ...	30.08	48	E	2	r	30.24	+ .29	46	44	- 2	NNE	2	0	3	50	?	0.24		
Christiania Fjord (Færdar)	30.19	43	NE	6	0	30.31	+ .24	42	40	- 1	NE	2	0	1	43	41	0.08		
Skagen (The Scaw)	30.14	45	SE	3	0	30.27	+ .31	41	39	- 6	E	3	0	2	?	39	0.08		
Fanö ...	30.01	48	SE	2	b	30.15	+ .31	46	40	- 3	E	4	r	*	54	45	—		
BRITISH ISLANDS.																			
Sumburgh Head	29.98	49	SSE	1	0	30.25	+ .38	46	45	- 3	Z	0	0	2	51	40	0.01		
Stornoway ...	29.95	43	Z	0	b	30.22	+ .38	40	40	- 4	N	1	b	0	54	36	—		
Wick ...	29.98	45	Z	0	c	30.26	+ .39	41	41	- 3	NW	1	c	1	53	32	—		
Nairn ...	29.92	46	Z	0	c	30.22	+ .35	38	37	+ 4	SSW	1	0	1	52	32	0.01		
Aberdeen...	29.97	44	Z	0	b	30.21	+ .32	41	40	+ 1	W	1	cm	1	56	37	0.02		
Leith ...	29.94	48	ENE	1	c	30.20	+ .28	40	40	- 2	N	1	cf	2	53	34	—		
Shields ...	29.93	50	E	1	0	30.17	+ .25	46	45	+ 2	Z	0	nr	3	51	40	—		
Spurn Head ...	29.97	52	SSE	2	b	30.10	+ .17	52	50	+ 4	E	3	bw	3	54	47	—		
York ...	29.95	50	Z	0	b	30.13	+ .20	45	45	+ 1	E	1	f	7	53	38	—		
Loughborough	29.96	47	SE	1	b	30.07	+ .08	39	39	+ 2	W	1	rum	2	58	36	—		
Ardrossan ...	29.91	47	ENE	1	bmv	30.15	+ .24	43	42	+ 1	NNE	2	bmw	2	53	39	—		
Malin Head ...	29.78	49	SE	4	0	30.11	+ .28	49	47	+ 11	ENE	4	bcm	3	49	38	0.04		
Mullaghmore ...	29.76	45	ESE	2	og	30.07	+ .27	50	48	+ 6	E	5	c	4	50	44	0.12		
Belmullet ...	29.74	44	SSE	3	b	30.08	+ .37	49	48	+ 5	E	4	c	2	49	40	0.15		
Donaghadee ...	29.85	51	S	4	0	30.10	+ .20	49	47	+ 14	E	4	c	2	52	34	0.03		
Barrow-in-Furness	29.91	50	SE	3	0	30.08	+ .16	44	43	- 3	NE	2	b	2	53	43	—		
Liverpool (Bidston)	29.92	49	SE	2	b	30.06	+ .12	45	43	0	E	4	bc	3	53	43	—		
Holyhead ...	29.87	51	SSE	3	opm	30.01	+ .09	48	46	+ 2	ENE	4	cmg	4	54	46	0.02		
Parsonstown ...	29.79	44	Z	0	0	29.97	+ .10	45	43	+ 3	E	1	c	2	50	40	0.33		
Valencia ...	29.74	43	WSW	1	b	29.80	+ .09	51	51	0	NE	6	c	5	52	39	0.49		
Roche's Point...	29.77	44	ESE	1	r	29.81	- .01	52	52	- 1	E	5	r	4	54	43	0.05		
Pembroke ...	29.82	55	SSE	4	bc	29.81	- .12	53	51	+ 2	ESE	6	rm	4	56	50	0.30		
Seilly ...	29.78	54	S	5	0	29.67	- .26	55	55	+ 2	ESE	4	op	4	57	52	0.06		
Prawle Point ...	29.87	53	SE	3	c	29.77	- .22	55	54	+ 2	SE	5	ogw	5	57	50	0.31		
Jersey ...	29.91	54	SE	3	omw	29.80	- .21	54	54	+ 1	SE	5	o	4	57	52	0.18		
Hurst Castle ...	29.94	52	SSE	2	bc	29.90	- .12	56	55	+ 11	ESE	4	c	1	58	44	0.23		
Dungeness ...	29.97	55	SW	2	c	29.97	- .01	55	54	+ 15	SE	4	r	3	60	39	0.03		
London ...	30.00	49	S	1	cm	30.02	+ .01	50	50	+ 7	ESE	4	r	4	60	42	0.02		
Oxford ...	29.97	48	SW	1	b	30.00	- .02	49	49	+ 13	ENE	2	0	4	59	36	0.04		
Cambridge ...	29.99	47	Z	0	bc	30.06	+ .07	46	46	+ 4	NE	1	bc	4	61	39	—		
Yarmouth ...	30.01	51	Z	0	bmv	30.08	+ .14	53	49	+ 5	ESE	3	b	3	53	45	—		
Cuxhaven ...	29.96	52	WNW	1	b	30.13	+ .27	57	50	- 1	ESE	2	0	4	54	48	—		
Berlin ...	29.98	51	NW	1	0	30.13	+ .23	42	40	- 8	ESE	1	0	4	55	41	0.28		
Wiesbaden ...	*	*	*	*	*	30.16	+ .13	39	38	- 10	Z	0	f	2	55	37	—		
Munich ...	30.07	44	W	3	c	30.17	+ .07	36	35	- 9	SE	2	b	4	52	32	0.08		
FRANCE & NETHERLANDS.																			
The Helder ...	30.02	52	NNE	1	b	30.12	+ .19	50	49	- 3	SE	1	b	1	55	50	—		
Brussels ...	*	*	*	*	*	30.09	+ .09	45	44	- 4	SE	1	b	2	56	43	?		
Cape Gris Nez...	30.00	54	S	1	c	29.98	+ .01	49	48	- 3	ESE	3	0	1	57	46	—		
Paris ...	30.06	51	SSE	1	c	30.01	- .09	47	45	+ 5	ESE	4	b	4	59	?	0.04		
Brest ...	29.80	55	ENE	4	0	29.65	- .34	54	52	+ 4	SE	5	0	3	57	48	0.24		
Lorient ...	29.86	57	S	7	c	29.75	- .29	55	53	+ 7	S	3	r	2	59	43	0.51		
Rochefort ...	30.03	57	S	5	c	29.88	- .25	55	53	+ 2	SE	7	0	2	64	50	—		
Belfort ...	30.12	49	S	1	b	30.08	- .05	47	45	0	E	3	b	2	55	36	—		
Lyons ...	30.12	51	E	1	b	30.08	- .05	40	40	- 9	N	1	f	2	60	39	—		
Nice ...	30.04	56	E	3	b	30.08	+ .30	52	49	+ 1	ESE	3	0	2	59	48	—		
Perpignan ...	30.08	52	Z	0	b	29.96	- .23	49	49	+ 4	Z	0	0	*	64	?	—		
Biarritz ...	30.01	63	S	4	r	29.85	- .27	57	54	+ 2	S	4	r	1	68	52	0.04		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Lisbon ...	30.10	59	WSW	5	0	30.04	- .15	57	54	+ 3	WSW	4	b	2	64	?	—		

For Explanation of Columns, see p. 4.



for 8 a.m. on Saturday 23<sup>rd</sup> October 1886.

(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  $\bar{7}_i$      $\rightarrow$  = forces 1 to  $4_i$

⊙ = dead calm.

*Sea Disturbance*— where considerable is shown; thus

- Rough,  - High

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

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.

for the month of October.

Hand-drawn map of Europe with handwritten annotations. The map shows latitude lines at 40° and 50° North. Handwritten notes include "Rain" in several locations, "has fallen" in the north, "COLDER" in the east, and "RATHER" in the south. A dashed line separates the "COLDER" region from the "RATHER" region. A small circle in the south contains the text "Rain has fallen".

NOTE.—The Temperature means are for the 10 years 1871–80, the Rainfall means are mainly those for the 26 years 1866–85.



# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.3 ins and upwards in an anticyclonic band lying over Sweden but relatively high 30.0 ins and upwards in Portugal.  
Lowest, 29.7 ins and less in a depression lying off our extreme south-west coasts.

## TEMPERATURE

Highest, 57° at Biarritz and Lisbon, and 56° at Hurst Castle.  
Lowest, 36° at Hemsland and Muenich, 38° at Naum and 39° at Loughborough.  
Frost occurred in the north of Scotland last night.

## WIND

Fresh or strong from SE over the Bay of Biscay and south-west of England.  
Moderate E<sup>ly</sup> over the North Sea and the northern parts of England and Ireland.  
Light and variable in Scotland; SW's at Bodø and Christiansund.

## WEATHER

Rainy in the west of France and the extreme south of England.  
Cloudy in most other localities, with fog or mist locally.  
A solar halo was seen at Alford yesterday, and rain fell at several of our western and southern stations.

## SEA

Rather rough at Valencia and Pivale Point, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which was reported off the west of Ireland yesterday, subsequently passed away over the Atlantic.  
In the course of the night, however, another disturbance has advanced towards our extreme south-west coasts and occasioned a fall of the barometer at our extreme southern and the French stations.  
The new depression seems likely to move slowly in an easterly direction, but is not at present sufficiently deep to occasion any serious increase of wind on our coasts.

## FORECASTS

For the 24 hours ending at NOON on 24<sup>th</sup> October 1886.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	Light variable breezes, fair generally, but some mist or fog.
1	SCOTLAND EAST	----- D <sup>ly</sup> ----- D <sup>ly</sup> -----
2	ENGLAND N.E.	E <sup>ly</sup> winds, light to fresh; fair to cloudy and some rain.
3	ENGLAND EAST	----- D <sup>ly</sup> ----- D <sup>ly</sup> -----
4	MIDLAND COUNTIES	Same as N <sup>o</sup> 5.
5	ENGLAND SOUTH	E <sup>ly</sup> winds, freshening, dull, some rain.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	E <sup>ly</sup> and NE <sup>ly</sup> winds, moderate, fair generally.
7	ENGLAND N.W.	----- D <sup>ly</sup> ----- D <sup>ly</sup> -----
8	ENGLAND S.W.	E <sup>ly</sup> winds, fresh or strong; dull, some rain.
9	IRELAND NORTH	E <sup>ly</sup> or NE <sup>ly</sup> winds, fresh, fair generally.
10	IRELAND SOUTH	----- D <sup>ly</sup> ----- D <sup>ly</sup> -----
WARNINGS		The S. cone was lowered yesterday in districts 9 and 10.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.99	50	44	E	4	0	3	Holyhead ...	29.87	52	48	SSE	3	c	2
Sumburgh Head	29.92	49	47	SSE	2	c	3	Valencia ...	29.73	50	47	W	2	bc	3
Stornoway ...	29.89	54	49	SSE	2	b	2	Scilly ...	29.84	56	55	S	5	c	4
Aberdeen ...	29.91	57	48	S	2	b	2	Dungeness ...	29.99	59	52	NW	1	b	2
Shields ...	29.91	51	47	E	1	c	3	London ...	29.98	57	49	W	2	bc	4
Ardrossan ...	29.88	52	47	ENE	1	b	1	Yarmouth ...	29.95	53	49	WNW	2	b	3
Malin Head ...	29.76	49	45	SE	3	0	3	Jersey ...	29.95	55	55	SE	3	b	3
Mullaghmore ...	29.68	49	47	ESE	5	r	4	Rocheport ...	30.09	63	59	SSW	5	0	2
Belmullet ...	29.66	46	45	S	4	r	4								

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

(For condition at 8 am today see pp 2 and 3)

The Continental Reports for yesterday have not yet been received.

### 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 3 p.m. (Christiania time).

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# DAILY WEATHER REPORT.

for Sunday 24<sup>th</sup> OCTOBER 1886.  
 Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 11b, Victoria Street, London, R. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sun. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ...	30.28	37	S	2	o	30.36	+ .07	24	24	— 13	Z	o	f	+	41	?	—		
Hernösand ...	30.40	32	Z	o	b	30.50	+ .14	28	27	— 8	Z	o	b	+	41	?	—		
Stockholm ...	30.35	37	N	2	o	30.47	+ .12	36	34	+ 1	NE	2	o	+	41	34	—		
Wisby ...	30.22	39	SE	4	o	30.32	+ .22	39	38	— 1	E	4	o	+	43	37	0.04		
Bodö ...	30.30	39	W	4	c	30.33	+ .24	39	36	— 4	S	4	c	2	43	36	0.08		
Christiansund ...	30.42	45	NE	2	c	30.46	+ .21	44	42	— 2	SSW	4	c	4	46	37	0.24		
Skudesnaes ...	30.41	46	Z	o	c	30.54	+ .30	46	44	— 0	ENE	2	c	2	50	46	—		
Christiania Fjord (Frontholm) ...	30.41	42	NE	2	o	30.54	+ .23	41	40	— 1	NE	2	b	1	43	41	—		
Skagen (The Scaw) ...	30.38	41	E	2	o	30.30	+ .23	42	38	+ 1	E	2	o	1	48	41	—		
Fanö ...	30.38	43	N	4	o	30.45	+ .30	39	37	— 7	N	4	c	+	48	39	—		
BRITISH ISLANDS.																			
Sumburgh Head ...	30.37	45	E	1	b	30.46	+ .21	47	44	+ 1	SSE	1	b	2	53	43	—		
Stornoway ...	30.32	45	N	1	b	30.44	+ .22	37	37	— 3	WNW	1	b	1	56	34	—		
Wick ...	30.35	50	E	1	r	30.51	+ .25	50	49	+ 9	S	3	b	1	52	41	0.08		
Nairn ...	30.36	48	Z	o	o	30.43	+ .21	43	42	+ 5	Z	o	m	2	48	37	0.02		
Aberdeen ...	30.30	50	NNE	1	a	30.49	+ .28	49	47	+ 8	SE	3	c	4	52	40	0.05		
Leith ...	30.18	48	NNW	1	c	30.44	+ .24	45	45	+ 5	Z	o	f	+	51	39	0.04		
Shields ...	30.24	50	NE	1	o	30.37	+ .20	51	50	+ 5	ENE	4	or	3	52	43	0.02		
Spurn Head ...	30.19	51	?E	3	b	30.33	+ .23	53	51	+ 1	E	4	bcw	3	54	50	—		
York ...	30.21	47	NE	1	b	30.36	+ .23	47	47	+ 2	N	1	b	+	55	40	—		
Loughborough ...	30.15	50	ESE	3	bc	30.30	+ .23	47	46	+ 8	E	2	aw	+	58	39	—		
GERMANY.																			
Ardrossan ...	30.28	46	NE	1	b	30.43	+ .28	46	45	+ 3	ENE	2	bmw	1	51	43	—		
Malin Head ...	30.28	51	ENE	3	m	30.38	+ .27	49	47	— 0	E	3	bmw	2	52	47	—		
Mullaghmore ...	30.22	51	ENE	4	b	30.37	+ .30	45	44	— 5	ENE	4	b	2	54	43	—		
Belmullet ...	30.21	50	ENE	3	b	30.37	+ .24	43	42	— 6	E	1	bw	+	54	41	—		
Donaghadee ...	30.23	52	E	4	bc	30.38	+ .28	50	49	+ 1	E	3	b	1	56	48	—		
FRANCE & NETHERLANDS.																			
Barrow-in-Furness ...	30.21	48	NE	1	b	30.35	+ .27	48	47	+ 4	NE	2	bc	+	55	44	—		
Liverpool (Bidston) ...	30.16	48	ENE	3	b	30.34	+ .28	45	44	— 0	ENE	2	b	2	54	45	—		
Holyhead ...	30.14	52	ENE	4	b	30.31	+ .30	50	49	+ 2	ENE	4	bmw	1	54	47	—		
Parsonstown ...	30.14	50	E	1	b	30.33	+ .36	41	41	— 3	Z	o	b	+	55	41	—		
Valencia ...	30.04	55	NE	5	c	30.25	+ .45	50	48	— 2	NE	3	bm	3	55	48	—		
PORTUGAL.																			
Roche's Point ...	30.01	45	ENE	4	c	30.20	+ .39	50	48	— 2	ENE	3	b	4	55	44	0.05		
Pembroke ...	29.99	54	ENE	5	c	30.16	+ .35	50	49	— 3	ENE	4	bc	2	55	49	0.02		
Scilly ...	29.79	57	E	6	o	29.98	+ .31	54	53	— 1	ENE	7	o	6	59	47	0.09		
Prawle Point ...	29.88	57	ENE	6	c	30.03	+ .26	52	50	— 3	ENE	6	ogp	5	57	50	0.34		
Jersey ...	29.89	55	ESE	6	o	29.96	+ .16	51	50	— 3	E	5	ogmp	4	59	50	0.18		
PORTUGAL.																			
Hurst Castle ...	30.01	55	ESE	5	c	30.09	+ .19	52	51	— 4	E	6	cm	3	58	51	—		
Dungeness ...	30.03	56	ESE	4	o	30.11	+ .14	52	52	— 3	ESE	5	c	3	57	52	0.03		
London ...	30.11	53	E	3	c	30.19	+ .17	52	50	+ 2	ENE	3	bc	+	55	48	0.02		
Oxford ...	30.13	49	ENE	3	b	30.22	+ .22	47	45	— 2	NE	3	b	2	55	44	—		
Cambridge ...	30.15	49	NE	1	bc	30.26	+ .20	46	45	— 0	NE	1	b	+	56	39	—		
FRANCE & NETHERLANDS.																			
Yarmouth ...	30.16	55	E	4	b	30.29	+ .21	51	48	— 2	E	7	c	6	56	50	—		
Cuxhaven ...	30.24	50	E	5	o	30.39	+ .26	47	44	— 4	ENE	4	c	+	51	41	—		
Berlin ...	30.25	46	NW	1	o	30.38	+ .25	43	41	+ 1	NNW	1	o	+	50	41	—		
Wiesbaden ...	?	?	?	?	?	30.29	+ .13	46	44	+ 7	Z	o	b	+	52	39	—		
Munich ...	30.16	37	NE	2	m	30.26	+ .09	39	39	+ 3	NE	4	m	+	52	34	—		
FRANCE & NETHERLANDS.																			
The Helder ...	30.21	52	ENE	1	b	30.34	+ .22	48	46	— 2	E	4	c	3	52	46	—		
Brussels ...	?	?	?	?	?	30.21	+ .12	45	45	— 0	E	5	o	+	57	43	—		
Cape Gris Nes ...	30.04	51	E	4	bc	?30.05	+ .07	44	43	— 5	E	5	m	4	55	43	0.04		
Paris ...	29.99	53	NE	3	o	30.04	+ .03	50	48	+ 3	ESE	4	c	+	60	49	—		
Brest ...	29.77	51	SE	3	r	29.89	+ .21	49	48	— 5	ESE	4	o	5	55	46	0.79		
Lorient ...	29.80	52	NE	1	r	29.92	+ .17	49	48	— 6	E	4	b	3	59	45	0.87		
Rocheport ...	29.88	54	NNW	5	r	29.94	+ .06	52	49	— 5	SE	4	o	2	62	45	0.67		
Belfort ...	30.05	49	E	3	b	30.16	+ .08	44	43	— 3	N	1	o	+	53	41	—		
Lyons ...	29.99	62	E	1	c	30.10	+ .02	50	48	+ 10	NE	1	o	+	?	?	0.04		
Nice ...	30.09	57	E	3	r	30.14	+ .06	57	49	+ 5	NE	3	c	2	64	50	—		
FRANCE & NETHERLANDS.																			
Perpignan ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?		
Biarritz ...	29.99	56	NNW	4	r	29.86	+ .01	53	51	— 4	SE	4	o	2	68	50	0.63		
PORTUGAL.																			
Coruna ...	?	?	?	?	?	29.75	— .11	52	49	+ 1	S	5	c	4	59	46	0.24		
Lisbon ...	29.99	58	W	4	c	29.90	— .14	57	50	— 0	WSW	4	b	5	64	54	0.12		

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on Sunday 24<sup>th</sup> OCTOBER

1886.

## 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 barbs and feathers refer to force, thus —

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

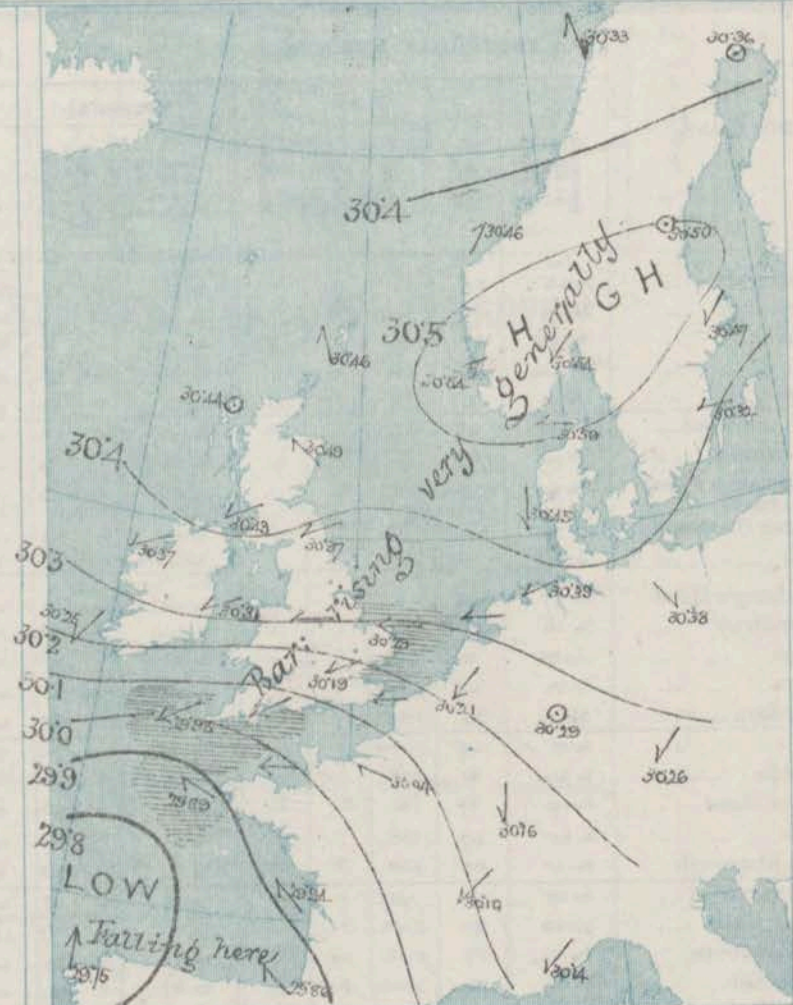
**Sea Disturbance** — where considerable is shown thus

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.685
Stornoway	29.707
Wick	29.718
Nairn	29.738
Aberdeen	29.738
Leith	29.780
Shields	29.821
York	29.860
Ardrossan	29.749
Donaghadee	29.805
Holyhead	29.830
Liverpool	29.848
Valencia	29.842
Roche's Point	29.843
Pembroke	29.847
Scilly	29.877
Hurst Castle	29.894
Dover	29.907
LONDON	29.903
Oxford	29.891
Cambridge	29.894
Yarmouth	29.889



## 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.

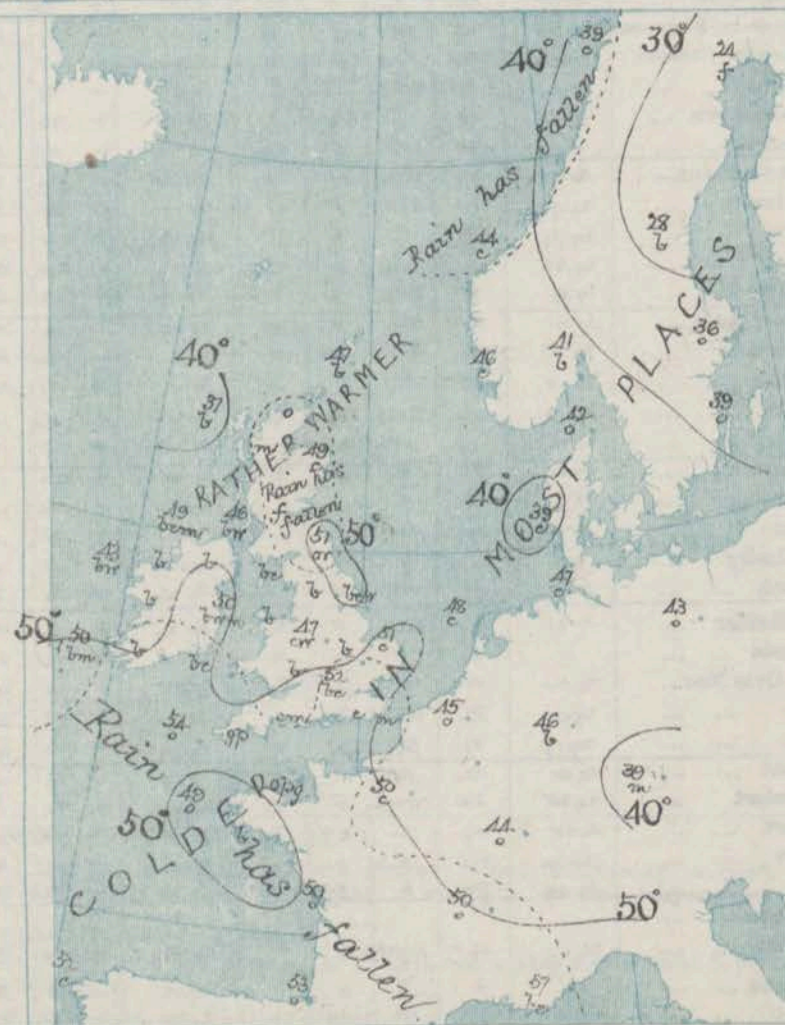
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## 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	49.5	41.0	45.9	44.4	4.33
Stornoway	50.2	38.8	45.1	43.9	4.94
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	42.5	2.38
Aberdeen	52.1	41.3	45.5	43.5	2.88
Leith	55.8	41.9	46.7	45.1	1.94
Shields	53.2	43.1	47.3	45.5	2.46
York	55.2	40.9	46.0	44.7	2.64
Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	53.2	43.2	47.8	46.3	3.35
Holyhead	54.9	47.5	50.4	48.6	4.53
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	6.09
Roche's Point.	55.6	46.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.5	49.4	4.13
Scilly	56.8	50.7	53.9	52.0	3.84
Hurst Castle	57.7	46.8	51.5	50.5	3.24
Dover	56.2	47.8	51.5	49.4	3.28
LONDON	57.1	48.5	48.4	46.9	2.74
Oxford	55.7	42.9	47.0	45.8	2.72
Cambridge	57.0	41.6	46.6	45.7	2.38
Yarmouth	54.9	45.1	49.5	48.2	2.97

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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Highest, 30.5 ins. and upwards, over the southern part of Norway and Sweden.  
Lowest, 29.8 ins. and less, in a depression lying off the north-west of Spain.  
Rather steep gradients for E<sup>ly</sup> winds over our southern coasts.

### TEMPERATURE

Highest, 57° at Nice and Lisbon, 54° at Kelly and 53° at Spinn Head and Biarritz.  
Lowest, 24° at Haparanda, 28° at Hernösand, 37° at Lornaway and 39° at Munich.

### WIND

SE<sup>ly</sup> or S<sup>ly</sup> in Scotland, the west of Norway, and the south-west of France.  
E<sup>ly</sup> or NE<sup>ly</sup> elsewhere, strong in force on our south and south-east coasts, but light or moderate elsewhere.

### WEATHER

Showery in the western part of the English Channel.  
Fair elsewhere, but dull locally, and misty at some of our northern stations.  
A little rain fell yesterday on our south coasts, and heavy rain in the west of France.

### SEA

Rough at Kelly and Farmouth, rather rough at Harle Point, but moderate to smooth elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay near the mouth of the Channel yesterday has moved southwards, the anticyclone over Scandinavia is extending over our northern coasts, and the barometer is now rising at all but the Spanish stations.

## FORECASTS

For the 24 hours ending at NOON on 25<sup>th</sup> October 1886.

### DISTRICTS.

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

### FORECASTS.

None issued

### DISTRICTS.

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

### WARNINGS

### FORECASTS.

None issued

None issued.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.34	49	46	NNW	2	0	3	Holyhead ...	30.07	54	50	ENE	4	bm	4
Sumburgh Head ...	30.32	50	48	E	1	bc	2	Valencia ...	29.94	55	52	NE	5	09	5
Stornoway ...	30.29	50	50	SE	2	b	2	Scilly ...	29.73	58	57	E	5	c	5
Aberdeen ...	30.26	52	50	N	2	0	1	Dungeness ...	30.01	50	54	SE	4	c	3
Shields ...	30.24	52	50	NE	2	0	3	London ...	30.06	54	52	ESE	4	0	4
Ardrossan ...	30.21	50	47	NE	3	b	2	Yarmouth ...	30.12	56	52	ESE	3	b	3
Malin Head ...	30.19	51	48	E	3	b	3	Jersey ...	29.82	58	54	ESE	5	c	4
Mullaghmore ...	30.15	54	50	ENE	5	b	4	Rocheport ...	29.84	58	56	SE	7	0	3
Behmullet ...	30.15	54	51	ENE	3	b									

## GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

(For condition at 8am today see pp 2 and 3.)

The reports for yesterday morning showed that pressure was high over the whole of Northern Europe, the central portion of an anticyclone (in which readings exceeded 30.5 in.) being found over Northern Russia. An area of relatively low readings, however, existed over the Black Sea and a well defined depression lay near the mouth of the English Channel. The wind was moderate from SW or W. in Spain and some parts of Algeria, but over Central Europe it was rather variable, while in all the more northern countries it was E<sup>ly</sup> or NE<sup>ly</sup>; in force it was light or moderate in most places. The weather was rainy in the west and north of France, the south of our Islands and also on the eastern shores of the North Sea, but in Italy, Austria, the mouth of Russia and the north of our Islands it was generally fair. Temperature had risen a little over our Islands and the west of France, but fallen elsewhere; readings ranged from 65° or above in Algeria, and South Italy to 25° or less over Northern Russia. The highest individual readings were 72° at Malta, 70° at Brindisi, 68° at Algiers and 66° at Sfax; the lowest were 13° at Moscow, 22° at Archangel, and St Petersburg and 25° at Uleaborg.

In the course of the day the depression noticed near the mouth of the English Channel moved southwards, and the barometer rose generally. A little rain fell on our southern coast and heavy rain in the west of France, the largest amount in the latter district being 0.9 in. at Lorient and 0.8 in. at Brest.

## General Remarks on the weather for 24 hours ending 8am Saturday.

The report for Friday morning showed that pressure was highest (30.5 in. and upwards) over Northern Russia, and relatively high (30.1 in. and upwards) over France, Spain, and Algeria. Between and to the westward of these systems, however, a large trough of low pressure existed, and in this trough <sup>there were</sup> three distinct depressions, with barometer readings of about 29.7 in. — one over Poland, another over the southern part of the North Sea, and a third off the west of Ireland. The winds under these circumstances were E<sup>ly</sup> (SE to NE) over Northern Europe, but in the neighbourhood of the three depressions a cyclonic circulation was shown while over Southern Europe variable breezes were reported. The weather was rainy in Germany and the south of Norway as well as at Valencia; elsewhere the state of the weather varied greatly, but in our Islands it was generally fair with, however, local fogs. Temperature had fallen in nearly all parts of Europe, and readings ranged from 65° or above in Algeria and South Italy to about 35° over the central parts of Great Britain and to 25° or less over Northern Russia. The highest individual readings were 73° at Malta, 71° at Palermo, 70° at Sfax and 68° at Cagliari; the lowest were 20° at Moscow, 22° at Archangel, 23° at St Petersburg, and 34° at Haparanda and Naim.

In the course of the day the depression off the west of Ireland passed away over the Atlantic, while that over the North Sea partially dispersed. In the evening, however, there were signs of the advance of a fresh disturbance towards our SW. coast, and the winds over the United Kingdom backed to SE or E generally.

## EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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



# DAILY WEATHER REPORT.

for Monday 25<sup>th</sup> October 1886.  
Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

		† YESTERDAY EVENING.					8 A.M. TO DAY										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force (0 to 12.)		Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.		
SCANDINAVIA.		In.	°				In.	In.	°	°	°					°	°	In.	
Haparanda ...		30.33	33	2	0	0	30.25	- .11	39	37	+ .15	WSW	2	bc	+	3	23	-	
Hernösand ...		30.61	31	2	0	0	30.57	+ .07	36	35	+ .8	2	0	b	+	46	27	-	
Stockholm ...		30.62	34	5	2	0	30.66	+ .19	34	34	- .2	N	2	f	+	41	32	-	
Wisby ...		30.54	41	SE	4	0	30.57	+ .25	40	39	+ .1	E	4	0	+	45	37	-	
Bodö ...		30.23	47	SW	6	0	30.19	- .14	49	46	+ .10	SW	8	0	5	?	?	-	
Christiansund...		30.53	49	SW	4	0	30.53	+ .07	47	43	+ .3	SW	4	c	5	?	?	-	
Skudesnaes ...		30.63	48	2	0	bc	30.66	+ .12	46	44	0	SE	2	c	2	50	46	+	
Christiania Fjord (Fjord)		30.65	42	2	0	0	30.69	+ .15	41	40	0	2	0	0	1	43	39	-	
Skagen (The Sound)		29.64	39	E	2	bc	30.65	+ .18	40	38	- .2	SE	1	c	0	48	39	-	
Fanö ...		29.60	38	ENE	4	0	30.65	+ .20	41	38	+ .2	E	4	c	+	46	36	-	
Bumburgh Head		30.52	48	SSE	2	c	30.49	+ .13	48	45	+ .1	SSE	3	c	3	51	44	-	
Stornoway ...		30.45	45	WSW	1	0	30.47	+ .03	44	43	+ .7	SSW	3	b	3	54	36	0.01	
Wick ...		30.52	48	S	3	bc	30.51	0	49	45	- .1	S	4	c	1	54	47	-	
Nairn ...		30.50	50	SSE	1	c	30.51	+ .08	37	35	- .6	2	0	b	0	56	33	-	
Aberdeen ...		30.54	49	SE	3	0	30.54	+ .05	48	44	- .1	SSE	3	0	2	52	46	-	
Leith ...		30.52	50	ESE	1	c	30.52	+ .08	48	45	+ .3	SE	1	c	+	53	44	-	
Shields ...		30.47	51	E	4	Op	30.47	+ .10	50	46	- .1	ENE	4	0	4	52	47	-	
Spurn Head ...		30.39	51	E	5	c	30.39	+ .06	51	47	- .2	E	6	c	5	54	49	-	
York ...		30.43	50	N	1	0	30.43	+ .07	49	46	+ .2	NE	1	0	+	55	40	0.01	
Loughborough		30.35	49	E	3	0	30.36	+ .06	47	45	0	ENE	3	0	+	56	46	-	
Ardrossan ...		30.48	50	E	3	0	30.49	+ .06	47	45	+ .1	NE	2	cm	1	55	45	-	
Malin Head ...		30.41	52	ESE	3	bm	30.44	+ .06	47	44	- .2	SE	3	0	2	52	44	-	
Mullaghmore ...		30.39	51	ENE	3	bm	30.42	+ .05	47	45	- .2	E	4	c	2	54	45	-	
Belmullet ...		30.39	48	E	2	0	30.42	+ .05	46	45	+ .3	E	1	c	+	56	43	-	
Douglashadec ...		30.43	53	ESE	5	c	30.44	+ .06	50	47	0	E	5	bc	3	54	48	-	
Barrow-in-Furness		30.42	51	NE	3	c	30.44	+ .09	48	44	0	NE	3	bc	2	56	46	-	
Liverpool (Bidston)		30.37	49	ENE	4	c	30.37	+ .03	45	42	0	ENE	3	b	3	54	44	-	
Holyhead ...		30.32	52	ENE	4	cm	30.34	+ .03	49	45	- .1	ENE	5	b	4	54	48	-	
Parsonstown ...		30.24	49	2	0	c	30.35	+ .02	45	42	+ .3	2	0	b	+	55	39	-	
Valencia ...		30.27	52	NNE	3	bc	30.31	+ .06	47	45	- .3	NE	3	bm	3	56	44	-	
Roche's Point...		30.23	52	NE	3	bc	30.24	+ .04	50	46	0	ESE	4	c	4	56	47	-	
Pembroke ...		30.19	51	ENE	5	bc	30.21	+ .05	49	47	- .1	E	5	c	2	55	48	-	
Scilly ...		29.99	54	ENE	6	0	30.04	+ .06	53	53	- .1	ENE	5	0	5	54	50	0.66	
Prawle Point ...		30.06	53	NE	7	0	30.08	+ .05	51	51	- .1	NE	6	mg	5	54	50	0.48	
Jersey ...		30.00	53	E	3	r	30.01	+ .05	53	52	+ .2	ENE	4	om	3	54	49	0.41	
Hurst Castle ...		30.12	53	E	7	cm	30.15	+ .06	52	51	0	ENE	7	omp	3	56	50	0.06	
Dungeness ...		30.14	54	ESE	6	0	30.18	+ .07	49	49	- .3	E	6	r	4	54	49	0.18	
London ...		30.24	51	E	5	og	30.24	+ .05	50	48	- .2	ENE	5	0	+	55	48	-	
Oxford ...		30.28	47	NE	6	0	30.26	+ .04	47	45	0	NE	3	og	+	54	46	-	
Cambridge ...		30.33	48	NE	1	0	30.31	+ .05	48	46	+ .2	NE	1	0	+	53	44	-	
Yarmouth ...		30.32	50	E	7	cg	30.32	+ .03	49	47	- .2	E	8	bc	6	53	48	-	
Cuxhaven ...		?	47	E	4	bc	30.50	+ .11	45	44	- .2	ESE	3	b	+	47	43	-	
Berlin ...		30.49	42	E	1	0	30.58	+ .20	38	37	- .5	ESE	1	c	2	48	36	-	
Wiesbaden ...		+	+	+	+	+	30.41	+ .12	42	40	- .4	NE	3	bc	+	54	37	-	
Munich ...		30.35	42	E	4	0	30.36	+ .10	41	40	+ .2	E	4	0	+	45	?	-	
The Helder ...		30.42	46	E	5	0	30.40	+ .06	44	43	- .4	E	5	b	4	50	45	-	
Brussels ...		+	+	+	+	+	30.26	+ .05	41	41	- .4	ENE	3	bc	+	53	41	-	
Cape Gris Nez...		30.17	50	E	7	+	30.15	+ .10	45	43	+ .1	E	8	bc	5	54	43	0.08	
Paris ...		30.09	53	E	4	0	30.10	+ .06	49	46	- .1	ENE	4	0	+	61	48	0.08	
Brest ...		29.81	53	ESE	4	0	29.78	- .11	53	52	+ .4	ENE	5	r	3	55	46	-	
Lorient ...		29.93	54	E	7	bc	29.89	- .03	54	53	+ .5	ESE	7	c	3	59	43	0.16	
Rochefort ...		29.96	57	ESE	5	c	29.97	+ .03	55	54	+ .5	SSE	5	0	2	61	50	0.16	
Belfort ...		30.19	46	E	3	0	30.22	+ .06	44	44	0	E	4	a	+	50	40	-	
Lyons ...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Nice ...		30.20	61	E	5	0	30.20	+ .06	63	54	+ .6	E	5	0	5	66	?	-	
Perpignan ...		30.04	60	SE	3	0	30.00	...	65	58	...	SE	3	0	+	70	58	-	
Biarritz ...		29.86	62	E	4	c	29.92	+ .06	59	54	+ .6	SW	1	b	0	68	50	-	
Corunna ...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Lisbon ...		29.97	57	WNW	3	0	30.00	+ .10	49	48	- .8	N	4	c	5	61	48	-	

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



# WEATHER CHARTS

for 8 a.m. on Monday, 25<sup>th</sup> OCTOBER 1886.

## 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.

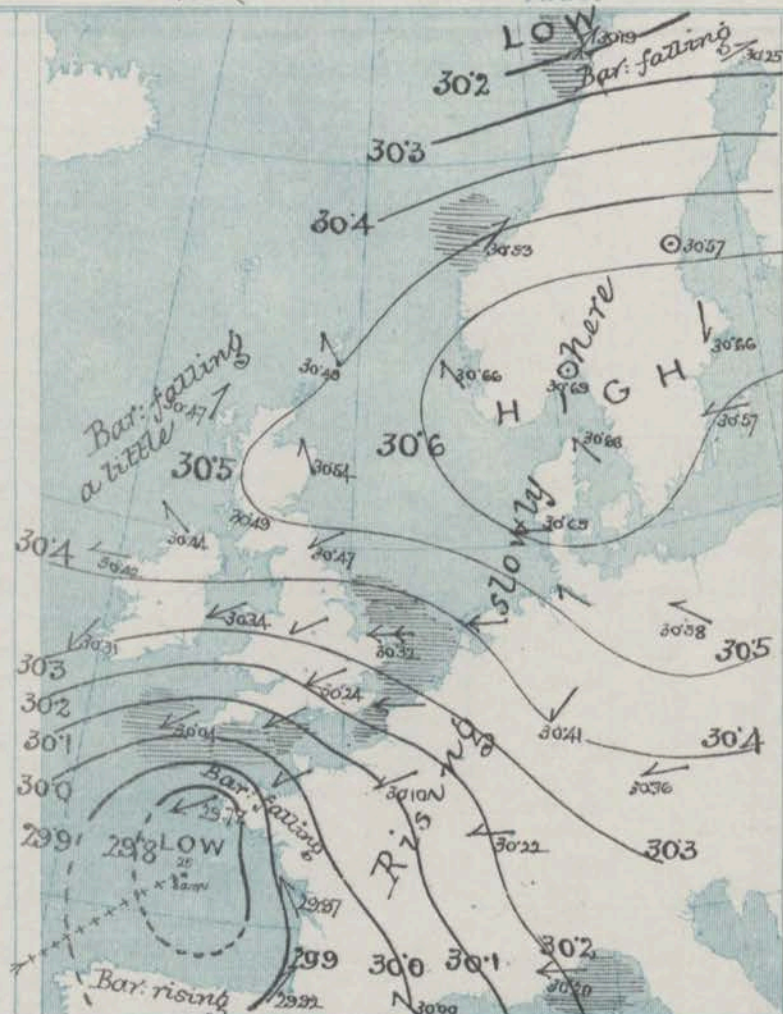
**Sea Disturbance**—where considerable is shown thus

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS
	ins.
Sumburgh Head	29.685
Stornoway	29.707
Wick	29.718
Nairn	29.738
Aberdeen	29.748
Leith	29.780
Shields	29.821
York	29.860
Ardrossan	29.749
Donaghadee	29.805
Holyhead	29.830
Liverpool	29.848
Valencia	29.842
Roche's Point	29.843
Pembroke	29.847
Scilly	29.877
Hurst Castle	29.894
Dover	29.907
LONDON	29.902
Oxford	29.891
Cambridge	29.894
Yarmouth	29.889



## 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.

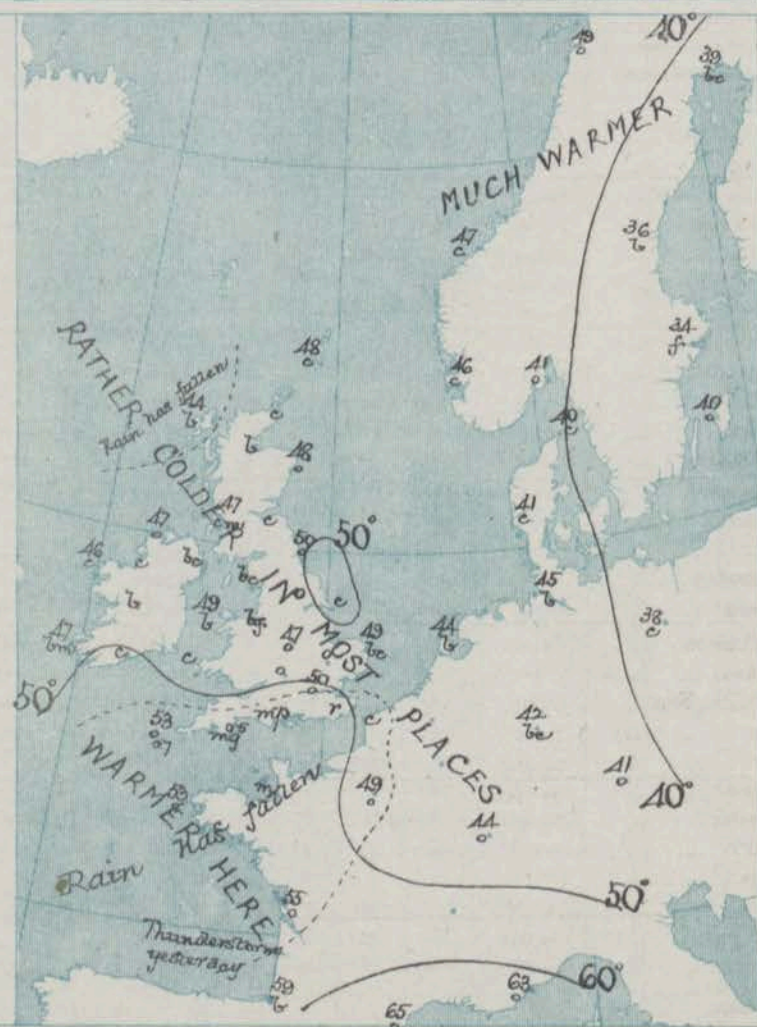
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## 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	49.5	41.6	45.9	44.4	4.33
Stornoway	50.2	38.8	45.1	43.9	4.94
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	42.5	2.38
Aberdeen	52.1	41.3	45.5	43.5	2.88
Leith	55.3	41.9	46.7	45.1	1.94
Shields	53.2	43.1	47.3	45.5	2.46
York	55.2	40.9	46.0	44.7	2.64
Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	53.2	43.2	47.8	46.8	3.35
Holyhead	54.9	47.5	50.4	48.6	4.53
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	6.09
Roche's Point	55.6	46.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.5	49.4	4.13
Scilly	56.8	50.7	53.9	52.0	3.84
Hurst Castle	57.7	46.8	51.5	50.5	3.24
Dover	56.2	47.8	51.5	49.4	3.28
LONDON	57.1	43.5	48.4	46.9	2.74
Oxford	55.7	42.9	47.0	45.8	2.72
Cambridge	57.0	41.6	46.6	45.7	2.36
Yarmouth	54.9	45.1	49.5	48.2	2.97

Note—The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 30 years 1866—95.





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.6 ins and upwards over the south of Scandinavia and the north of Denmark. Lowest, 29.8 ins and less in a depression lying over the Bay of Biscay. Steep gradients for E <sup>ly</sup> winds prevail at the mouth of the Channel.
TEMPERATURE	Highest, 65° at Perpignan, 63° at Nice, 59° at Biarritz and 53° at Lillie and Jersey. Lowest, 34° at Stockholm, 36° at Helsingland, 37° at Kæm and 38° at Berlin.
WIND	Moderate S <sup>ly</sup> in Scotland and the south-west of France, SW <sup>ly</sup> in the north of Norway. Elsewhere, strong in force on our south and east coasts, with a fresh gale at Harwich.
WEATHER	Fine in the west of our islands and also in the Netherlands and north of Sweden. Cloudy or overcast elsewhere with rain at Birmmham and Brest, and passing showers at Hurst Castle.
SEA	Rough at Harwich and rather rough at Spurn Head, Lillie and Plover Point, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

An anticyclone still lies over our northern coasts, its central portion being over the south of Scandinavia and the north of Denmark.

In the course of the past night a new depression has appeared over the Bay of Biscay; and a further increase in the strength of the E<sup>ly</sup> wind is therefore probable over England and Ireland, with rain in the extreme south.

A low-pressure system is apparently advancing towards the north of Norway, but this is not likely to affect the weather over our islands.

## FORECASTS

For the 24 hours ending at NOON on 26<sup>th</sup> October 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SE <sup>ly</sup> and S <sup>ly</sup> winds, moderate, fair generally.	6 SCOTLAND WEST	NE <sup>ly</sup> winds, moderate, fair generally.
1 SCOTLAND EAST	----- D <sup>o</sup> ----- D <sup>o</sup> -----	* 7 ENGLAND N. W.	E <sup>ly</sup> winds, increasing in force, fair generally.
X 2 ENGLAND N. E.	Same as N <sup>o</sup> 5.	* 8 ENGLAND S. W.	Same as N <sup>o</sup> 5.
* 3 ENGLAND EAST	Same as N <sup>o</sup> 5.	* 9 IRELAND NORTH	Same as N <sup>o</sup> 7.
4 MIDLAND COUNTIES	Same as N <sup>o</sup> 5.	* 10 IRELAND SOUTH	Same as N <sup>o</sup> 7.
X 5 ENGLAND SOUTH	E <sup>ly</sup> winds, strong, a gale in places; cloudy, some rain.	WARNINGS	

The N. cone was hoisted yesterday in districts 2, 3, 5 and 7 to 10. An asterisk is inserted against those districts in which it is now flying.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	30.54	50	47	S 2	c	2	Holyhead ...						
Sumburgh Head							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rocheport ...	29.94	53	56	SE 4	c	1
Belmullet ...													

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

The reports for yesterday morning showed that, while pressure was high over the whole of Northern Europe a definite anticyclone, in which readings exceeded 30.5 ins lay over the southern parts of Scandinavia. The lowest readings, 29.8 ins and less were found in a depression, the centre of which lay to the north-westward of Spain. With these conditions moderate SW. breezes prevailed at some of the Spanish and Algerian stations, variable airs in the south-east of Europe and SE. breezes in France, but elsewhere the wind was chiefly E. and in the south and east of our islands it blew strongly. The weather was dull at many of the south-western stations with rain in some parts of France, but elsewhere it was with local variations fair on the whole. Temperature had risen a few degrees over Southern and Central Europe and also in the north of our islands, but fallen elsewhere; readings ranged from 65° and upwards in Spain, Algeria and Southern Italy to 32° or less over the northern parts of Russia and Sweden. The highest individual readings were 73° at Lfax, 71° at Malta, 68° at Brindisi, 67° at Algiers and 66° at Barcelona; the lowest were 24° at Haparanda, 26° at Archangel, 27° at St Petersburg and 28° at Hermand.

In the course of the day the anticyclone over Northern Europe extended slowly southwards, but in the evening the barometer was inclined to fall in the west and south of our islands and the west of France. Thunderstorms were experienced in the south-west of France.

## SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 17<sup>TH</sup> TO THE 23<sup>RD</sup> OCTOBER 1886.

The weather during this period has been much quieter than that of last week, but conditions have been by no means settled and several depressions—mostly shallow—have appeared in our neighbourhood.

On Sunday the 17<sup>th</sup> the deep disturbance which had crossed our islands during the two preceding days had reached Holland and was apparently filling up. In the course of the day, however, an ill-defined subsidiary disturbance moved southwards down our western coasts, and owing to a rapid rise of the barometer which took place in its rear the NE. winds increased to a gale in the north of Ireland.

During Monday and Tuesday the depression over Holland and the subsidiary disturbance (which had by this time reached the Bay of Biscay) dispersed gradually and moderating, NE. winds were reported over the greater part of the United Kingdom.

On the morning of Wednesday, however, a shallow depression was found over the English Channel, and in the course of the ensuing 24 hours this system moved north-eastward to the North Sea, where it eventually dispersed. Its progress was attended by very heavy thunderstorms over the midland and eastern counties of England, and on Thursday these phenomena were reproduced over the northern districts.

On Friday morning, when a long trough of low-pressure lay over the North Sea, a brisk fall of the barometer was reported on our eastern coasts, and a rather deep depression appeared to be lying off the west of Ireland. In the course of the day, however, this disturbance moved away over the Atlantic, and at the close of the week the weather over our islands was under the influence, partly of a well-marked depression over the Bay of Biscay and partly of an anticyclone extending over Scandinavia. E. winds, therefore, prevailed generally; in the north they were light in force and the weather fair, but in the extreme south they blew freshly with occasional rain.

The temperature of the week has not differed greatly from the normal. Towards the end of the period night frosts were experienced over the inland parts of Great Britain, but they were not severe.

## 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 26<sup>th</sup> OCTOBER. 1886.  
Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, No. 1, Victoria Road, London, W.1.																			
STATIONS.		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
		Inch.	°				Inch.	Inch.	°	°	°						°	°	Inch.
SCANDINAVIA.	Haparanda	30.15	42	SW	4	b	30.00	- .25	41	39	+ 2	SW	6	c	2	45	32	—	
	Hernösand	30.46	33	Z	0	b	30.33	- .24	34	33	- 2	Z	0	b	2	36	28	—	
	Stockholm	30.56	35	WSW	2	o	30.45	- .21	37	36	+ 3	W	2	o	2	30	—	—	
	Wisby	30.55	41	NNW	4	o	30.44	- .18	40	36	0	W	4	b	2	45	37	—	
	Bodö	30.11	48	SW	9	o	29.97	- .22	44	41	- 5	W	8	c	4	50	43	0.16	
	Christiansund	30.38	47	WSW	4	b	30.32	- .21	48	42	+ 1	SW	6	c	5	50	45	—	
	Skudesuaes	30.57	45	SSE	4	o	30.51	- .15	45	41	- 1	ESE	4	o	3	45	—	—	
	Christiania Fjord (Fjærd)	30.60	43	SW	2	o	30.50	- .19	42	40	+ 1	W	2	o	1	43	41	—	
	Skagen (The Scaw)	30.61	41	S	1	b	30.50	- .18	42	40	+ 2	Z	0	o	0	43	37	—	
	Fanö	30.52	40	ENE	4	o	30.45	- .20	42	41	+ 1	ENE	4	o	2	46	37	—	
BRITISH ISLANDS.	Sumburgh Head	30.40	48	SW	3	o	30.40	- .09	47	43	- 1	Z	0	o	1	50	45	—	
	Stornoway	30.41	47	SSW	3	c	30.38	- .09	47	45	+ 3	SSW	2	cg	2	52	42	—	
	Wick	30.42	48	SW	2	b	30.43	- .08	45	43	- 4	SW	1	c	0	52	31	—	
	Nairn	30.43	40	Z	0	b	30.44	- .07	34	33	- 3	S	1	c	1	52	29	—	
	Aberdeen	30.47	46	SSE	2	o	30.43	- .11	40	40	- 8	Z	0	b	1	50	29	—	
	Leith	30.44	50	SE	1	c	30.40	- .12	44	44	- 4	SSE	1	open	2	52	41	0.01	
	Shields	30.40	49	ENE	3	cp	30.35	- .12	49	47	- 1	ENE	3	o	3	51	47	—	
	Spurn Head	30.32	51	ENE	6	b	30.27	- .12	49	46	- 2	ENE	5	cg	5	52	46	—	
	York	30.36	48	N	1	o	30.32	- .11	47	44	- 2	NE	1	o	2	54	44	—	
	Loughborough	30.28	48	ENE	4	o	30.24	- .12	46	44	- 1	ENE	3	o	2	53	45	0.01	
GERMANY.	Ardrossan	30.40	47	NE	1	b	30.38	- .11	45	44	- 2	ENE	2	b	1	52	42	—	
	Malin Head	30.38	40	ESE	3	o	30.36	- .08	44	42	- 3	S	1	c	2	51	43	—	
	Mullaghmore	30.37	50	E	5	o	30.36	- .06	44	43	- 3	ENE	3	b	2	52	42	—	
	Belmullet	30.37	49	E	2	c	30.36	- .06	39	39	- 7	E	1	b	2	52	35	—	
	Donaghadee	30.37	51	E	5	b	30.34	- .10	47	46	- 3	E	2	b	0	52	46	—	
	Barrow-in-Furness	30.33	47	NE	3	b	30.29	- .15	43	41	- 5	NE	4	b	2	52	41	—	
	Liverpool (Bidston)	30.30	48	ENE	3	b	30.28	- .09	43	42	- 2	ENE	1	b	2	51	40	—	
	Holyhead	30.27	49	ENE	5	b	30.26	- .08	45	46	- 1	ENE	4	b	3	51	46	—	
	Parsonstown	30.31	46	NNE	1	b	30.31	- .04	38	37	- 7	Z	0	b	2	54	33	—	
	Valencia	30.27	50	NE	3	b	30.28	- .03	44	43	- 3	N	2	b	2	54	39	—	
FRANCE & NETHERLANDS.	Roche's Point	30.22	48	NE	3	b	30.23	- .01	44	42	- 6	NNE	2	b	3	54	41	—	
	Pembroke	30.16	51	ENE	3	c	30.19	- .02	48	47	- 1	NNE	2	og	1	53	46	—	
	Scilly	30.03	53	ENE	5	op	30.07	+ .03	53	52	0	ENE	5	om	4	54	50	0.08	
	Prawle Point	30.10	50	NE	5	r	30.06	- .02	49	47	- 2	NE	5	og	5	51	46	0.95	
	Jersey	30.02	53	ENE	3	b	29.97	- .04	53	51	0	NE	3	ogm	3	54	51	0.03	
	Hurst Castle	30.10	52	ENE	7	cm	30.08	- .107	58	50	- 2	NE	5	cm	3	54	49	0.13	
	Dungeness	30.11	51	E	5	ov	30.02	- .16	49	48	0	E	6	o	4	53	45	0.10	
	London	30.18	50	E	5	o	30.14	- .10	46	46	- 1	NE	4	o	2	51	48	0.06	
	Oxford	30.20	48	NE	3	o	30.19	- .07	46	45	- 1	N	5	og	2	49	46	0.02	
	Cambridge	30.22	48	E	2	o	30.21	- .10	47	45	- 1	NE	2	o	2	52	45	0.03	
PENINSULA.	Yarmouth	30.25	50	E	7	c	30.23	- .09	48	46	- 1	E	7	cg	6	51	46	—	
	Cuxhaven	30.51	45	ESE	6	c	30.41	- .09	40	38	- 5	ESE	5	o	4	45	38	—	
	Berlin	30.51	40	ESE	2	o	30.43	- .16	34	32	- 4	E	2	o	2	43	34	—	
	Wiesbaden	4	4	4	4	4	30.17	- .24	45	42	+ 3	NE	3	o	2	52	41	—	
	Munich	30.26	41	E	4	o	30.14	- .22	41	40	0	E	5	o	2	45	39	—	
	The Helder	30.33	44	E	5	o	30.25	- .15	42	39	- 2	ENE	5	c	4	46	41	—	
	Brussels	30.10	47	E	7	r	30.06	- .09	42	41	- 3	E	7	m	5	52	41	0.04	
	Cape Gris Nez	30.07	50	NE	1	o	29.97	- .13	47	45	- 2	NNE	3	o	2	53	46	0.04	
	Brest	29.98	54	E	1	b	29.97	+ .19	53	52	0	NNE	4	o	3	59	46	0.12	
	Lorient	30.00	59	NNW	4	b	29.87	- .10	52	52	- 3	NNE	7	o	2	70	48	—	
PENINSULA.	Rocheport	30.20	46	E	8	b	29.98	- .24	43	42	- 1	E	3	o	2	47	39	—	
	Belfort	30.09	50	NE	1	r	29.93	- .38	50	50	+ 3	S	1	rf	2	52	49	0.24	
	Lyons	30.08	60	E	4	c	29.82	- .38	66	58	+ 3	E	7	o	6	66	52	1.14	
	Nice	29.92	62	NE	4	c	29.76	- .24	59	59	- 6	SE	3	o	2	69	56	0.98	
	Perpignan	29.92	47	E	4	c	29.75	- .17	50	54	- 3	SW	4	o	1	64	52	—	
	Biarritz	29.92	47	E	4	c	29.75	- .17	50	54	- 3	SW	4	o	1	64	52	—	
	Corunna	29.99	57	WSW	4	b	29.85	- .15	55	52	+ 6	NNW	7	o	5	61	?	0.08	
	Lisbon	29.99	57	WSW	4	b	29.85	- .15	55	52	+ 6	NNW	7	o	5	61	?	0.08	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on *Tuesday, 26<sup>th</sup> OCTOBER.*

1886.

## BAROMETER, WIND & SEA.

(Explanation of Map)

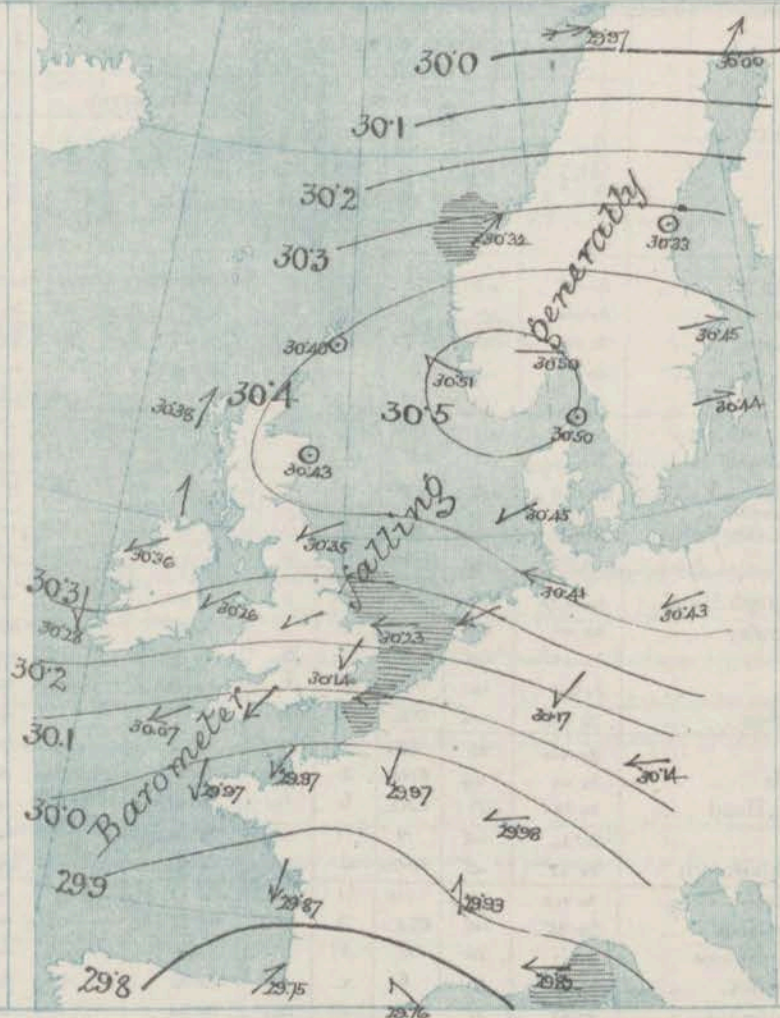
**Barometer** — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 — force above 10; — force 8 to 10;  
 — force 5 to 7; — force 1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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.685
Stornoway	29.707
Wick	29.718
Nairn	29.738
Aberdeen	29.748
Leith	29.780
Shields	29.821
York	29.860
Ardrossan	29.749
Donaghadee	29.805
Holyhead	29.830
Liverpool	29.848
Valencia	29.842
Roche's Point	29.843
Pembroke	29.847
Scilly	29.877
Hurst Castle	29.894
Dover	29.907
LONDON	29.902
Oxford	29.891
Cambridge	29.894
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## TEMPERATURE, & WEATHER at 8 A.M., with RAINFALL in PAST 24 HOURS.

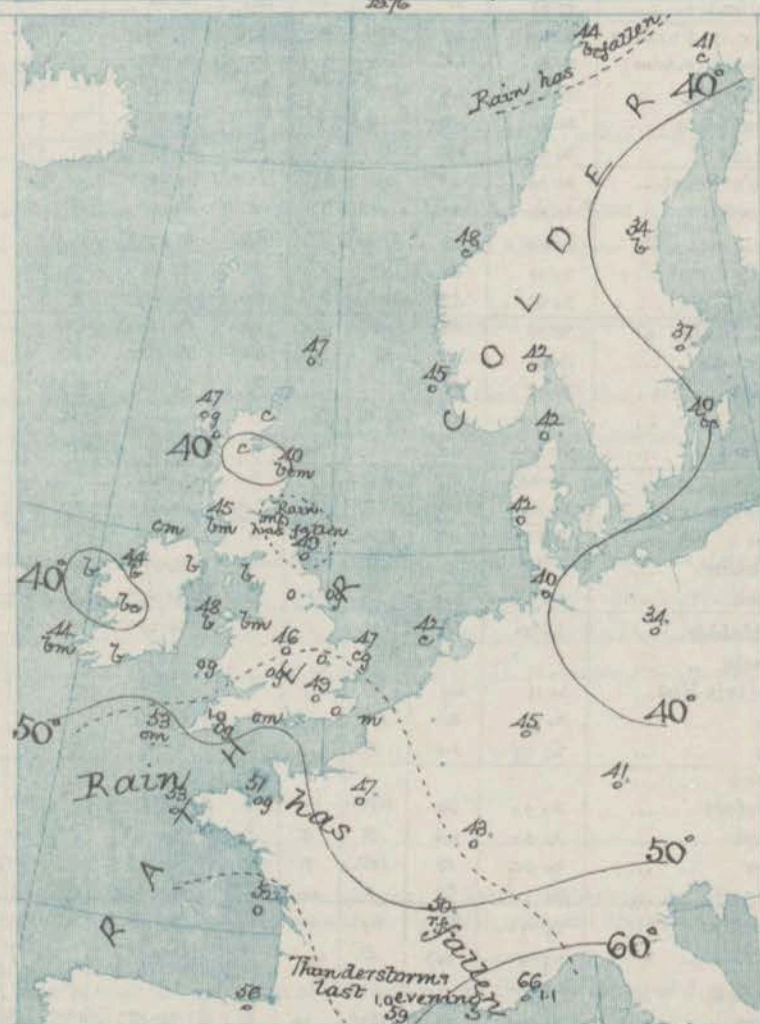
**Temperature** — Isotherms are drawn for each 10° changes since previous morning are stated in words.  
**Weather** — is shown by Letters of the Beaufort Scale.  
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, 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	49.5	41.6	45.9	44.4	4.33
Stornoway	50.2	38.8	45.1	43.9	4.94
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	42.5	2.38
Aberdeen	52.1	41.3	45.5	43.5	2.88
Leith	55.3	41.9	46.7	45.1	1.94
Shields	53.2	43.1	47.3	45.5	2.46
York	55.2	40.9	46.0	44.7	2.64
Ardrossan	53.7	43.2	47.7	45.4	4.81
Donaghadee	53.2	43.2	47.8	46.8	3.35
Holyhead	54.9	47.5	50.4	48.6	4.53
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	6.09
Roche's Point	55.6	46.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.5	49.4	4.13
Scilly	56.8	50.7	53.9	52.0	3.84
Hurst Castle	57.7	46.8	51.5	50.5	3.24
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Cambridge	57.0	41.6	46.6	45.7	2.36
Yarmouth	54.9	45.1	49.5	48.2	2.97

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.5 ins and upwards in an anticyclone lying over the south of Norway. Lowest, 29.8 ins and less over the south of France and north of Spain. Rather steep gradients for E <sup>ly</sup> winds over England.
TEMPERATURE	Highest, 66° at Nice, 59° at Perpignan, 56° at Biarritz and 53° at Leilly. Lowest, 34° at Hernösand, Raim and Berlin, 37° at Stockholm and 38° at Parsonstown.
WIND	Light S <sup>ly</sup> in Scotland; strong to a gale from SW or W in the north of Scandinavia. E <sup>ly</sup> or NE <sup>ly</sup> elsewhere; fresh or strong in force on our south and east coasts.
WEATHER	Fine at most of our western and northern stations and also in the north of Scandinavia. Cloudy or overcast elsewhere with rain at Lyons and passing showers at Leith.
SEA	Rough at Harmouth and rather rough at Spurn Head and Howle Point, moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low-pressure system which lay over the Bay of Biscay yesterday has apparently moved southwards, and is now found over the south of France and the north of Spain.

An anticyclone still lies over the south of Norway, and although the barometer is falling generally, the change is at present too uniform to bring about any decided alteration in the distribution of pressure.

## FORECASTS

For the 24 hours ending at NOON on 27<sup>th</sup> October 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	S <sup>ly</sup> winds, light or moderate; fair generally.	6 { SCOTLAND WEST	NE <sup>ly</sup> winds, light; fair generally.
1 { SCOTLAND EAST	-----D°-----D°-----	7 { ENGLAND N. W.	E <sup>ly</sup> and NE <sup>ly</sup> winds, fresh; fair generally.
2 { ENGLAND N. E.	E <sup>ly</sup> and NE <sup>ly</sup> winds, fresh; cloudy, rain locally.	8 { ENGLAND S. W.	Same as N° 5.
* 3 { ENGLAND EAST	Same as N° 5.	9 { IRELAND NORTH	NE <sup>ly</sup> winds, moderate; fine generally.
4 { MIDLAND COUNTIES	Same as N° 2.	10 { IRELAND SOUTH	-----D°-----D°-----
* 5 { ENGLAND SOUTH	E <sup>ly</sup> winds, strong; cloudy, rain locally.	WARNINGS	The N cone was lowered last evening in districts 2 and 7 to 10. An asterisk is inserted against those districts in which it is now flying.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.62	47	47	SSE 4	c	2	Holyhead ...	30.29	51	47	ENE 5	bm	4
Sumburgh Head ...	30.42	49	46	SSE 3	c	3	Valencia ...	30.26	52	50	NE 3	bm	3
Stornoway ...	30.42	52	47	SSW 5	bc	5	Scilly ...	30.03	54	53	ENE 5	0	4
Aberdeen ...	30.49	50	45	S 3	c	2	Dungeness ...	30.12	52	52	E 5	0	4
Shields ...	30.43	51	48	ENE 3	0	4	London ...	30.19	51	49	E 5	09	4
Ardrossan ...	30.43	52	47	NE 2	c	1	Yarmouth ...	30.26	51	49	ENE 8	c	6
Malin Head ...	30.38	50	46	ESE 3	0	4	Jersey ...	30.00	54	53	ENE 4	0	3
Mullaghmore ...	30.37	51	46	E 4	0	3	Rochefort ...						
Belmullet ...	30.38	52	47	ESE 3	c	4							

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

(For condition at 8 a.m. today see p. p. 2 and 3)

The reports for yesterday morning showed that a large anticyclone, in which readings exceeded 30.5 ins., existed over north-western Russia, the Baltic, Denmark, and the south of Scandinavia, while a depression in which readings were below 29.8 ins. was lying over the Bay of Biscay. Over the extreme north of Europe strong breezes from W. or SW. were reported, but in Algeria, Italy and the south of France the wind was chiefly SE<sup>2</sup> or S<sup>2</sup>, while elsewhere it varied between E. and NE.; over the Channel and east of England it blew strongly, and at Yarmouth there was a fresh gale. The weather was fine in the west of our Islands and also over south-eastern Europe, but cloudy or overcast elsewhere, with rain at some of the French stations and also in the extreme south of England. Temperature had risen several degrees in Scandinavia, and slightly in the west of France, but fallen elsewhere; readings ranged from 65° and above over Algeria and south Italy to 32° or less in Central and northern Russia. The highest individual readings were 75° at Malta, 72° at La Galle, 72° at Cagliari and 71° at Tunis and Biskra; the lowest were 22° at St. Petersburg, 24° at Archangel, 28° at Helsingfors, 34° at Stockholm and 37° at Narvik.

In the course of the day the barometer fell generally, and the depression over the Bay of Biscay moved slowly southwards. The E winds in the south and east of England subsided gradually, but the weather in the south remained unsettled. Thunderstorms occurred in the evening in the south of France, and lightning was seen at Hawle<sup>th</sup>.

### ATLANTIC TELEGRAM.

The Chief Signal Officer at Washington U.S. reports that icebergs were seen on the 17<sup>th</sup> Inst in Lat 52° N. Long 51° W., and on the 18<sup>th</sup> Inst in Lat 52° N. Long 55° W.

### 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 27<sup>th</sup> OCTOBER 1886.  
 Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	Weather.	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																			
Haparanda ..	30.02	37	W	2	b	30.18	+ .18	33	31	- 8	NW	2	bc	+	45	21	-		
Hernösand ...	30.32	43	S	2	bc	30.40	+ .07	39	37	+ 5	L	0	bc	+	50	28	-		
Stockholm ...	30.42	38	W	2	c	30.49	+ .02	35	33	- 2	WNW	2	o	+	39	32	-		
Wisby ...	30.42	39	W	4	c	30.42	- .02	40	37	0	NW	4	o	+	41	37	-		
Bodö ...	30.08	41	WSW	8	o	30.21	+ .24	40	38	- 4	SSW	4	o	2	45	37	0.08		
Christiansund...	30.35	48	SW	8	o	30.39	+ .07	47	43	- 1	SW	2	c	5	48	45	-		
Skudesnaes ...	30.45	41	L	0	b	30.42	- .08	44	40	- 1	SSE	4	c	4	42	41	-		
Christiania Fjord (Fierder)	30.47	40	W	2	bc	30.50	00	37	37	- 5	NNW	2	f	1	43	36	-		
Skagen (The Scaw)	30.48	42	L	0	o	30.47	- .03	43	40	+ 1	S	1	o	1	45	41	-		
Fanö ...	30.38	40	E	5	o	30.33	- .12	38	37	- 4	E	6	c	+	43	37	-		
BRITISH ISLANDS.																			
Sumburgh Head	30.38	47	L	0	c	30.30	- .10	45	41	- 2	SSE	2	o	2	52	43	-		
Stornoway ...	30.32	45	SW	2	b	30.45	- .23	46	43	- 1	ESE	4	b	4	52	34	-		
Wick ...	30.30	49	S	2	c	30.21	- .22	48	44	+ 3	SE	5	o	2	53	43	-		
Nairn ...	30.34	45	L	0	c	30.20	- .24	43	42	+ 9	L	0	c	1	48	32	-		
Aberdeen...	30.36	49	SE	3	c	30.21	- .22	48	44	+ 8	ESE	5	og	5	50	39	0.01		
Leith ...	30.32	50	SE	1	o	30.14	- .26	48	45	+ 4	E	2	o	+	50	43	0.01		
Shields ...	30.28	50	E	2	a	30.10	- .25	49	45	0	E	4	o	4	51	48	-		
Spurn Head ...	30.18	50	ENE	6	c	29.99	- .28	48	46	- 1	ENE	7	og	6	50	47	-		
York ...	30.24	48	NNE	1	o	30.05	- .27	47	45	0	NE	2	o	+	50	46	-		
Loughborough	30.16	46	NE	4	o	29.98	- .26	45	44	- 1	ENE	3	og	2	47	44	-		
Ardrossan ...	30.28	48	NE	1	om	30.10	- .28	47	44	+ 2	ENE	3	an	2	51	44	-		
Malin Head ...	30.25	49	SE	3	bm	30.01	- .35	47	44	+ 3	SE	3	bm	4	51	44	-		
Mullaghmore ...	30.24	48	E	4	bm	30.01	- .35	45	44	+ 1	E	2	bc	2	52	43	-		
Belmullet ...	30.25	46	E	2	b	29.99	- .37	43	42	+ 4	E	1	b	+	52	38	-		
Donaghadee ...	30.24	51	E	4	o	30.06	- .28	48	46	+ 1	SE	4	c	2	53	46	-		
Barrow-in-Furness	30.22	47	NE	3	bc	30.04	- .25	47	44	+ 4	NE	3	o	2	52	42	-		
Liverpool (Bidston)	30.20	47	ENE	4	o	29.97	- .31	48	45	+ 5	ENE	3	af	3	50	43	-		
Holyhead ...	30.17	49	ENE	3	om	29.95	- .31	48	46	0	ENE	5	cm	5	51	46	-		
Parsonstown ...	30.20	46	L	0	b	29.95	- .36	43	42	+ 5	L	0	b	+	51	34	-		
Valencia ...	30.17	48	E	2	bm	29.94	- .34	40	39	- 4	L	0	bm	1	58	36	-		
Roche's Point...	30.15	45	ENE	1	b	29.92	- .31	45	43	+ 1	NNE	3	o	3	54	41	-		
Pembroke ...	30.09	48	NE	2	bc	29.87	- .32	47	46	- 1	NE	3	c	1	52	42	-		
Scilly ...	29.97	52	NE	6	o	29.76	- .31	49	48	- 4	NE	5	o	5	53	47	-		
Prawle Point ...	29.96	48	NE	6	o	29.76	- .30	48	47	- 1	NE	6	mg	5	49	45	0.01		
Jersey ...	29.83	51	ENE	6	om	29.69	- .28	50	50	- 3	E	4	omp	4	54	48	0.17		
Hurst Castle ...	29.98	49	NE	7	m	29.80	- .28	50	48	0	ENE	7	c	4	52	47	0.02		
Dungeness ...	29.94	50	E	6	o	29.83	- .19	48	48	- 1	E	6	r	4	53	47	0.03		
London ...	30.05	47	ENE	5	o	29.88	- .26	48	46	- 1	ENE	3	og	+	49	46	-		
Oxford ...	30.07	44	NE	4	o	29.91	- .28	44	43	- 2	NE	4	og	+	47	43	-		
Cambridge ...	30.11	46	NE	2	o	29.93	- .28	45	45	- 2	NE	2	o	+	48	44	-		
Yarmouth ...	30.12	47	ENE	8	og	29.96	- .27	47	46	- 1	E	7	og	6	49	45	-		
Cuxhaven ...	30.34	40	ESE	6	c	30.26	- .15	36	35	- 4	E	6	bc	+	40	35	-		
Berlin ...	30.38	34	E	4	o	30.36	- .07	34	32	0	E	3	b	+	41	32	-		
Wiesbaden ...	30.38	34	E	4	o	29.99	- .18	45	42	0	E	4	bc	+	50	43	-		
Munich ...	30.02	45	E	4	o	29.96	- .18	41	40	0	E	5	o	+	48	41	-		
FRANCE & NETHERLANDS.																			
The Helder ...	30.17	40	E	7	o	30.04	- .21	38	36	- 4	E	5	o	4	43	37	-		
Brussels ...	30.17	40	E	7	o	29.90	- .24	40	40	- 1	E	1	b	+	48	40	-		
Cape Gris Nez...	29.94	46	E	8	m	29.82	- .24	41	41	- 1	E	3	r	4	50	41	-		
Paris ...	29.85	47	NE	4	o	29.78	- .19	48	47	+ 1	NE	3	r	+	51	46	0.04		
Brest ...	29.83	52	NE	7	r	29.60	- .37	50	49	- 3	E	5	r	3	55	46	0.06		
Lorient ...	29.76	53	NE	7	o	29.59	- .27	50	49	- 1	E	7	o	4	61	39	0.24		
Rochefort ...	29.66	55	NE	7	r	29.65	- .22	54	53	+ 2	SE	8	o	3	59	48	0.43		
Belfort ...	29.93	46	E	3	o	?	?	46	44	+ 3	E	1	c	+	47	42	-		
Lyons ...	29.81	51	ENE	1	o	29.81	- .12	46	46	- 4	NNW	1	f	+	53	45	2.76		
Nice ...	29.82	61	E	1	b	29.84	+ .02	59	57	- 7	L	0	o	4	66	55	0.20		
Perpignan ...	29.68	57	S	3	b	29.76	- .08	46	46	- 13	W	3	b	+	46	45	-		
Biarritz ...	29.71	53	W	5	r	29.63	- .12	55	50	- 1	S	5	c	2	59	50	0.75		
PORTUGAL.																			
Corunna ...	30.19	54	NNW	7	bc	29.83	- .02	55	51	0	N	5	b	2	61	52	0.32		
Lisbon ...	30.19	54	NNW	7	bc	29.83	- .02	55	51	0	N	5	b	2	61	52	0.32		

For Explanation of Columns, see p. 4.



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for 8 a.m. on Wednesday, 27<sup>th</sup> OCTOBER

1886.

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(Explanation of Map)

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

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

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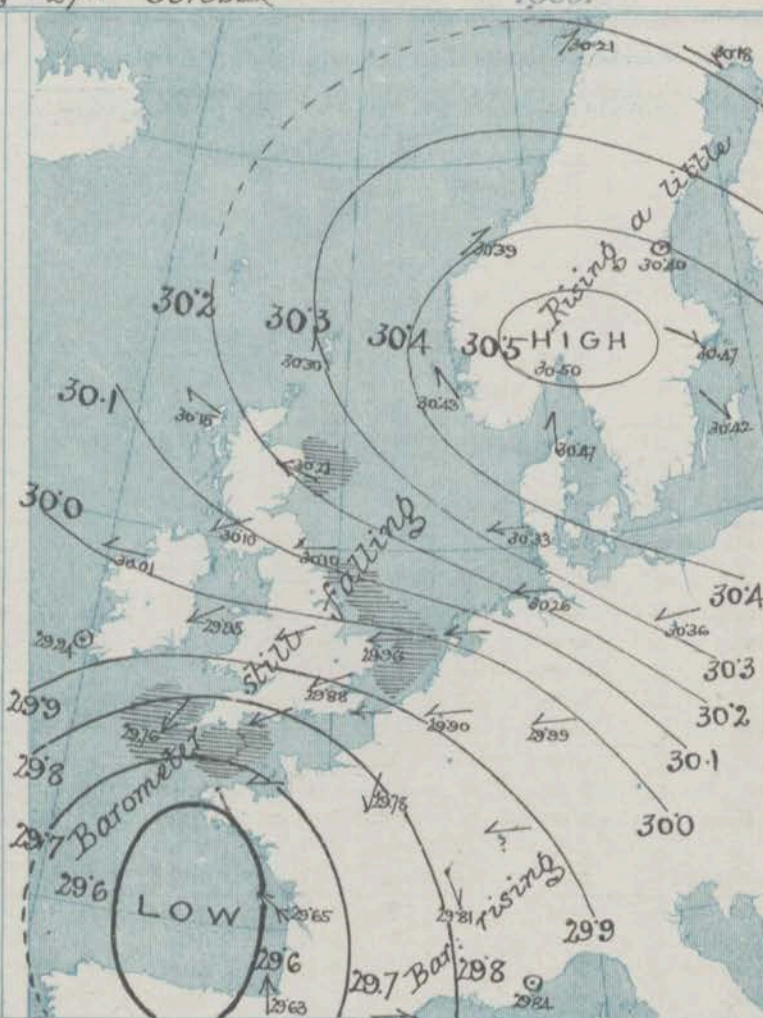
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at 8 a.m. for the month of October.  
During the 10 Years 1871—1880.

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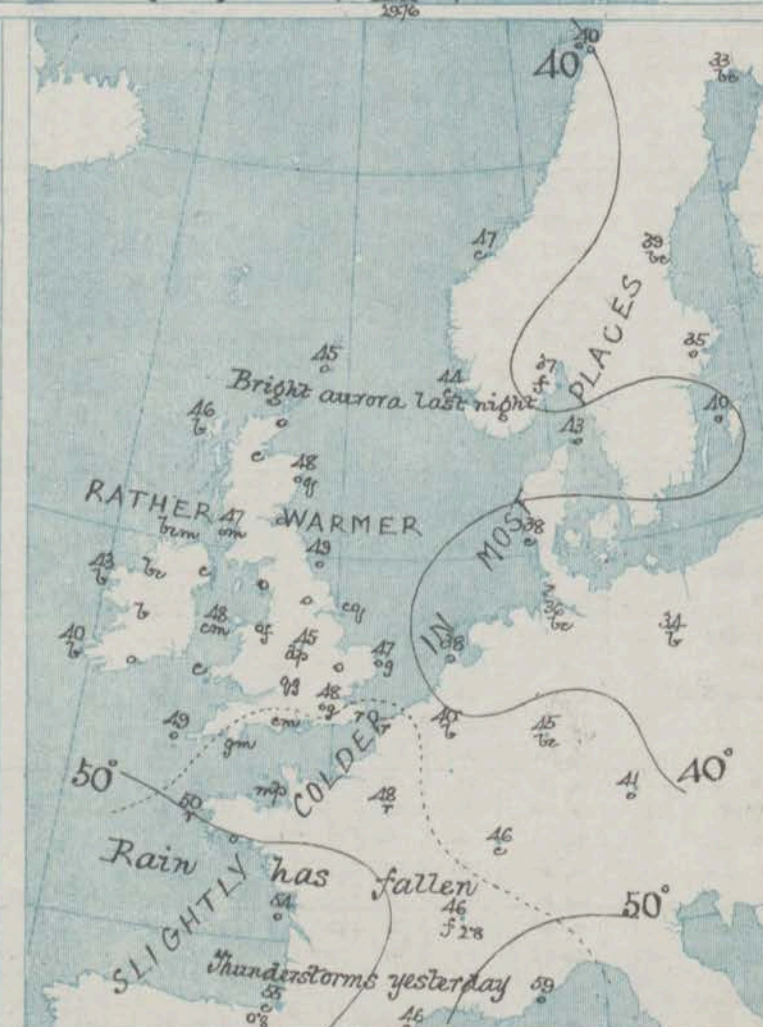
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for the month of October.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
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Note — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866—85.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.5 ins in an anticyclone lying over the south of Scandinavia.  
Lowest, 29.6 ins and less in a depression lying over the Bay of Biscay.  
Barometer rising in Scandinavia and the south-east of France, but falling elsewhere.

## TEMPERATURE

Highest, 59° at Nice, 55° at Biarritz and Lisbon and 50° at Jersey.  
Lowest, 33° at Haparanda, 34° at Berlin, 35° at Stockholm and 40° at Valencia.

## WIND

Light SW<sup>ly</sup> in the west of Norway and W<sup>ly</sup> in Sweden  
Fresh SE<sup>ly</sup> in Scotland and the south-west of France  
E<sup>ly</sup> or NE<sup>ly</sup> elsewhere, strong in force on our eastern and southern coasts with moderate gales at Hurst Castle and Margamouth.

## WEATHER

Fine in Ireland and the north of Sweden.  
Cloudy or overcast elsewhere, with rain at Brest and Paris and passing showers at Jersey.

## SEA

Rough off the east of England and rather rough at Aberdeen and the mouth of the English Channel, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over the south of Scandinavia remains firmly established, and the barometer is now rising at most of the Norwegian and Swedish stations.

Elsewhere, however, the mercury is falling, and in the course of the past night a new depression has appeared over the Bay of Biscay.

This disturbance may, like its predecessors of the 23<sup>rd</sup> and 25<sup>th</sup> insts, ultimately disperse; but there is at present no sign of any important change in the general distribution of pressure over Western Europe, so that E<sup>ly</sup> winds are likely to continue in most places.

## FORECASTS

For the 24 hours ending at NOON on 28<sup>th</sup> October 1886.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	SE <sup>ly</sup> winds, fresh, dull, rain locally.
1	SCOTLAND EAST	D <sup>o</sup> ----- D <sup>o</sup>
* 2	ENGLAND N.E.	E <sup>ly</sup> winds, strong, dull, some rain.
* 3	ENGLAND EAST	Same as N° 5.
1	MIDLAND COUNTIES	Same as N° 2.
* 5	ENGLAND SOUTH	E <sup>ly</sup> winds, strong, perhaps a gale, dull, some rain.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	NE <sup>ly</sup> winds, moderate, dull, misty.
7	ENGLAND N.W.	E <sup>ly</sup> and NE <sup>ly</sup> winds, fresh or strong, dull, rain locally.
8	ENGLAND S.W.	D <sup>o</sup> ----- D <sup>o</sup>
9	IRELAND NORTH	E <sup>ly</sup> winds, moderate or fresh, fair generally.
10	IRELAND SOUTH	D <sup>o</sup> ----- D <sup>o</sup>

### WARNINGS

The N. cone was rehoisted last evening in districts 3, 5 and part of 2. An asterisk is inserted against those districts in which it is now flying.



YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.45	47	41	Z 0	c	2	Holyhead ...	30.24	50	47	ENE 3	bm	3
Sumburgh Head ...	30.39	51	46	SW 1	b	1	Valencia ...	30.19	55	51	Z 0	bm	0
Stornoway ...	30.35	50	46	SSW 3	b	3	Scilly ...	30.02	52	51	ENE 5	0	4
Aberdeen ...	30.35	50	47	SE 2	c	1	Dungeness ...	29.96	51	50	E 6	0	5
Shields ...	30.31	50	46	ENE 3	0	3	London ...	30.09	49	46	E 4	0	4
Ardrossan ...	30.31	51	47	NE 2	c	1	Yarmouth ...	30.17	47	45	ENE 7	cg	6
Malin Head ...	30.28	50	46	SE 3	bc	3	Jersey ...	29.88	52	51	ENE 4	0	3
Mullaghmore ...	30.29	51	47	E 2	c	3	Rochefort ...	29.75	55	54	NNE 5	r	2
Belmullet ...	30.29	52	48	ESE 2	b	4							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

(For condition at 8am today see pp 2 and 3)

The reports for yesterday morning showed that an anticyclonic band in which readings exceeded 30.5 ins. extended from the south of Norway to Moscow, while a large area of low pressure in which the barometer was below 29.5 ins. lay over the greater part of France, Spain, and Algeria. Over the extreme north of Europe the wind was fresh or strong from the W<sup>nd</sup>, and at some of the Algerian stations it was SW<sup>nd</sup> or S<sup>nd</sup>, but elsewhere it was chiefly E<sup>nd</sup>, and over the Channel and east of England it blew strongly. Fine weather was reported in the west of our islands, and over Northern Europe generally, as well as over Spain, but elsewhere the sky was overcast, with rain in the neighbourhood of the low-pressure system noticed above and snow at Lemberg. Temperature had risen in Russia and also at some of the Algerian stations, but fallen in most other countries; readings ranged from 75° and above in Algeria to 32° or less in North Germany and Central Russia. The highest individual readings were 80° at Layonnet, 78° at Rishka, and 72° at Cagliari and Malta; the lowest were 28° at Petersburg, 31° at Archangel, 32° at Svendsmunde, and 34° at Hernosand and Nain.

In the course of the day the barometer fell at all but the extreme northern stations, and in the evening there were signs of the approach of a new low pressure system over the Bay of Biscay. Very heavy rain fell at Lyons - the amount measured between 7am of the 26<sup>th</sup> and 2am of the 27<sup>th</sup> being as much as 2.8 ins. - thunderstorms were experienced in the south of France, and at night aurora was seen at Wick.

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 28<sup>th</sup> OCTOBER.

1886.

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 ...	30.36	33	N	2	c	30.37	+ .19	29	?	+ 6	W	2	b	+	39	32	—	
	Hernösand ...	30.54	36	L	0	b	30.60	+ .20	32	31	— 7	L	0	b	+	52	?	—	
	Stockholm ...	30.55	32	WSW	2	b	30.63	+ .16	31	31	— 4	WNW	2	f	+	37	30	—	
	Wisby ...	30.54	41	WNW	4	c	30.60	+ .18	41	39	+ 1	NW	4	0	+	45	31	—	
	Bodö ...	30.27	48	WSW	6	r	30.41	+ .20	46	44	+ 6	WSW	6	0	7	48	37	1.74	
	Christiansund...	30.43	43	ESE	1	b	30.43	+ .04	42	37	— 5	ESE	1	b	3	48	36	—	
	Skudesnaes ...	30.41	45	L	0	b	30.46	+ .03	50	44	+ 6	SSE	6	bc	3	50	43	—	
	Christiania Fjord (Fjorder)	30.58	39	NNW	2	0	30.60	+ .10	29	38	+ 2	? N	2	0	1	39	37	—	
	Skagen (The Scaw)	30.56	42	ESE	3	b	30.62	+ .15	45	42	+ 2	SSE	2	0	2	45	41	—	
	Fanö ...	30.37	40	E	6	b	30.45	+ .12	38	36	0	E	6	b	+	45	37	—	
BRITISH ISLANDS.	Sumburgh Head	30.20	47	SSE	4	0	30.13	— .17	50	46	+ 5	SSE	4	0	6	50	45	—	
	Stornoway ...	30.02	43	N	1	b	30.03	— .12	38	37	— 8	NNW	1	b	0	53	33	—	
	Wick ...	30.09	50	S	6	0	30.07	— .14	50	47	+ 2	S	7	0	2	50	46	—	
	Nairn ...	30.04	47	SE	2	c	30.05	— .15	39	37	— 4	S	1	c	1	51	36	—	
	Aberdeen...	30.11	49	ESE	5	0	30.12	— .09	50	48	+ 2	SSE	5	0	6	50	47	—	
	Leith ...	30.03	50	E	2	0	30.09	— .05	48	47	0	ESE	1	0	+	50	46	—	
	Shields ...	30.03	48	ESE	6	0	30.12	+ .02	50	49	+ 1	SE	1	0	4	50	46	—	
	Spurn Head ...	29.97	49	ENE	5	c	30.12	+ .13	52	51	+ 4	SE	4	om	5	52	46	—	
	York ...	30.00	46	E	1	0	30.12	+ .07	50	48	+ 3	E	1	om	+	50	45	0.01	
	Loughborough	29.95	46	E	1	0	30.09	+ .11	48	48	+ 3	E	1	0	+	48	44	0.02	
GERMANY.	Ardrossan ...	29.99	48	ENE	3	cm	30.06	— .04	48	46	+ 1	ENE	2	om	1	51	46	—	
	Malin Head ...	29.93	48	SSE	3	om	29.95	— .06	48	47	+ 1	SSE	1	om	3	50	46	—	
	Mullaghmore ...	29.90	50	E	2	om	29.94	— .07	48	47	+ 3	ESE	2	c	2	52	45	—	
	Belinulet ...	29.91	47	E	3	b	29.93	— .06	47	47	+ 4	ESE	2	og	+	51	42	—	
	Donaghadee ...	29.96	50	ESE	4	c	30.03	— .03	52	50	+ 4	S	3	0	1	52	48	—	
	Barrow-in-Furness	29.97	47	ESE	4	0	30.06	+ .02	49	47	+ 2	E	4	0	+	50	46	—	
	Liverpool (Bidston)	29.94	47	E	3	0	30.06	+ .09	49	47	+ 1	ESE	2	0	3	49	46	—	
	Holyhead ...	29.91	48	ENE	4	cm	29.99	+ .04	48	47	0	ENE	1	bmw	2	51	45	—	
	Parsonstown ...	29.90	50	L	0	0	29.97	+ .02	51	49	+ 8	L	0	0	+	53	42	0.03	
	Valencia ...	29.88	44	L	0	bcm	29.89	— .05	51	50	+ 11	L	0	cm	1	53	39	0.05	
FRANCE & NETHERLANDS.	Roche's Point...	29.83	50	ENE	2	c	29.89	— .03	54	52	+ 9	ESE	3	c	4	54	45	0.03	
	Pembroke ...	29.83	46	NE	4	r	29.94	+ .07	51	50	+ 4	ESE	5	m	3	52	47	0.20	
	Scilly ...	29.72	52	ENE	6	0	29.77	+ .05	56	56	+ 7	ESE	5	0	5	56	47	0.09	
	Prawle Point ...	29.78	53	NE	4	m	29.90	+ .14	57	55	+ 9	ESE	4	bc	4	57	46	0.06	
	Jersey ...	29.74	55	ENE	3	bmw	29.92	+ .23	56	54	+ 6	SE	4	bmw	3	58	50	0.01	
	Hurst Castle ...	29.84	50	E	5	m	29.99	+ .19	52	52	+ 2	ENE	5	m	3	50	48	0.16	
	Dungeness ...	29.87	49	ESE	4	0	30.03	+ .20	51	50	+ 3	ESE	3	bc	3	52	46	0.09	
	London ...	29.91	48	E	3	0	30.06	+ .18	48	47	0	E	3	cm	+	50	47	0.08	
	Oxford ...	29.93	46	NE	1	0	30.06	+ .16	50	49	+ 6	ENE	1	og	+	49	44	0.10	
	Cambridge ...	29.96	46	E	1	r	30.09	+ .16	51	50	+ 6	E	1	0	+	51	43	0.04	
PENIN. SULA.	Yarmouth ...	29.95	50	ESE	6	0	30.11	+ .15	52	50	+ 5	ESE	4	c	5	52	46	—	
	Cuxhaven ...	30.24	44	ESE	7	b	30.34	+ .08	45	42	+ 9	ESE	6	b	+	45	36	—	
	Berlin ...	30.40	37	E	3	b	30.51	+ .15	32	31	— 2	E	4	b	+	45	30	?	
	Wiesbaden ...	30.10	48	E	3	0	30.17	+ .18	45	41	0	E	3	b	+	52	42	—	
	Munich ...	30.07	41	E	4	c	30.15	+ .19	37	36	— 4	E	4	b	+	48	34	—	
	The Helder ...	...	+	+	+	+	30.07	+ .17	41	41	+ 1	ENE	1	f	+	50	40	—	
	Brussels ...	...	+	+	+	+	30.07	+ .17	41	41	+ 1	ENE	1	f	+	50	40	—	
	Cape Gris Nez...	29.88	45	E	3	b	30.02	+ .20	42	41	+ 1	SE	3	m	2	48	41	0.08	
	Paris ...	29.88	55	E	3	b	30.02	+ .24	45	45	— 3	N	1	0	+	62	44	—	
	Brest ...	29.61	54	E	7	r	29.72	+ .12	56	54	+ 6	SE	5	0	4	55	48	—	

For Explanation of Columns, see p. 4. † Obs. taken at 9 a.m.



# WEATHER CHARTS

for 8 a.m. on Thursday, 28<sup>th</sup> OCTOBER 1886.

## BAROMETER, WIND & SEA.

(Explanation of Map)

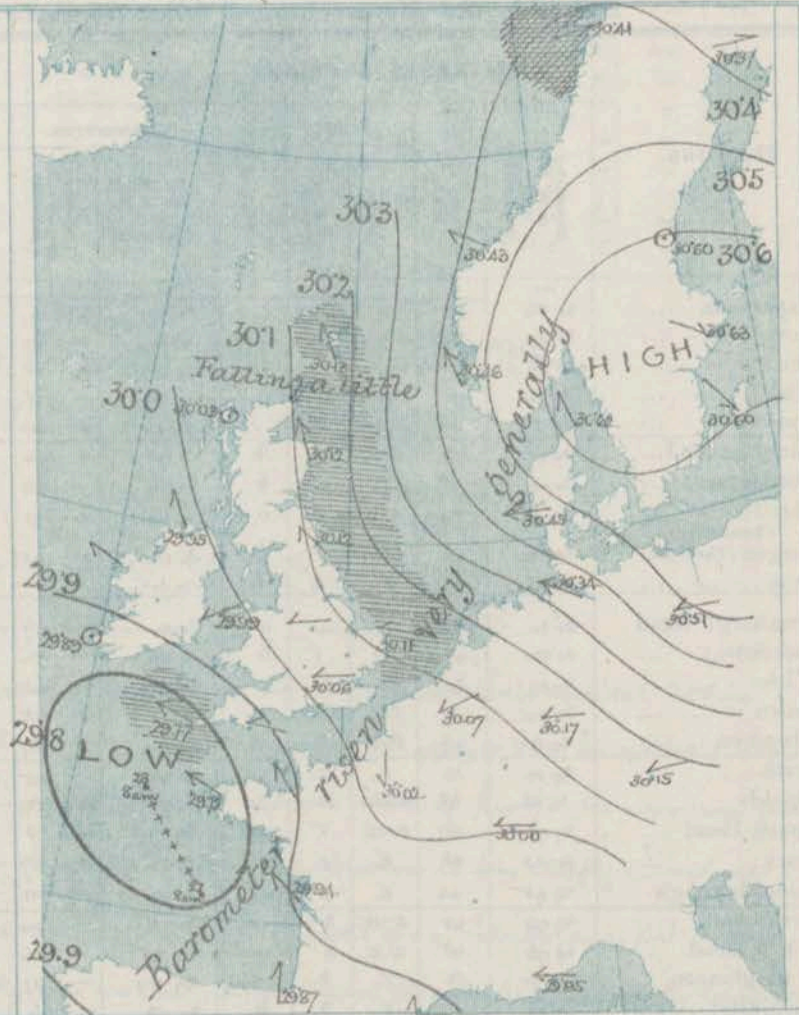
**Barometer** — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 — = forces above 10; — = forces 8 to 10;  
 — = forces 5 to 7; —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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.685
Stornoway	29.707
Wick	29.718
Nairn	29.788
Aberdeen	29.748
Leith	29.780
Shields	29.821
York	29.860
Ardrossan	29.749
Donaghadee	29.805
Holyhead	29.830
Liverpool	29.848
Valencia	29.842
Roche's Point	29.843
Pembroke	29.847
Scilly	29.877
Hurst Castle	29.894
Dover	29.907
LONDON	29.902
Oxford	29.891
Cambridge	29.894
Yarmouth	29.889



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

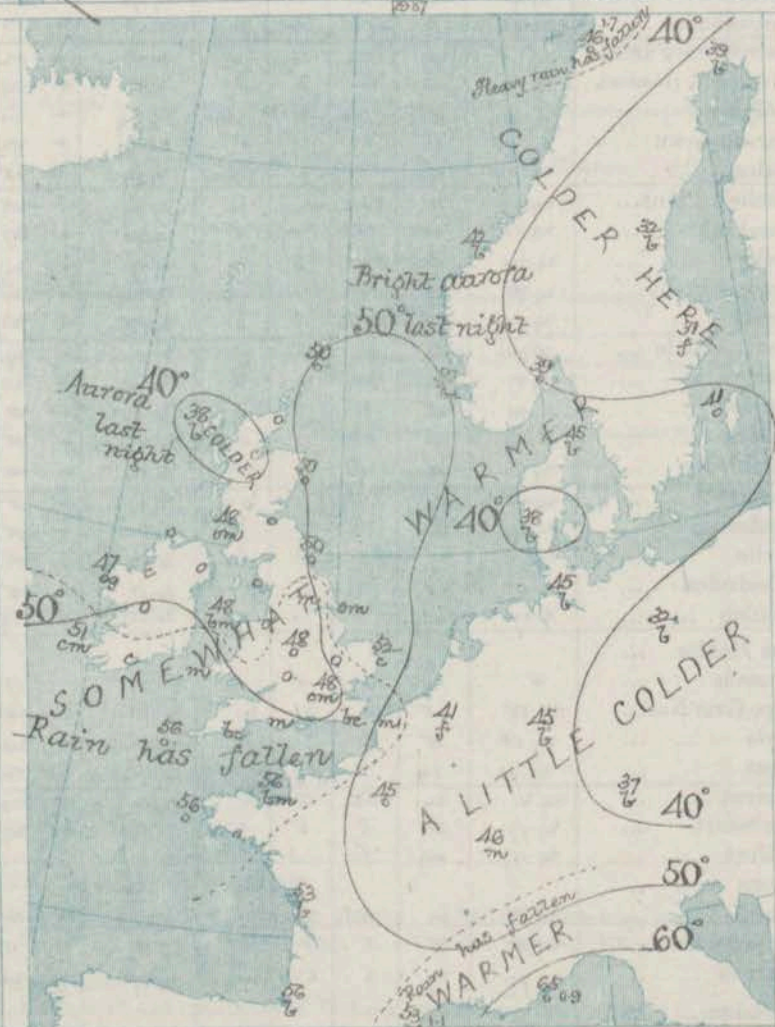
**Temperature** — Isotherms are drawn for each 10° changes since previous morning are stated in words.  
**Weather** — is shown by Letters of the Beaufort Scale.  
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, 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 a.m.	
			Dry.	Wet.	
Sumburgh Head	49.5	41.6	45.9	44.4	4.38
Stornoway	50.2	38.8	45.1	43.9	4.94
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	43.5	2.38
Aberdeen	52.1	41.3	45.5	43.5	2.88
Leith	55.3	41.9	46.7	45.1	1.94
Shields	53.2	43.1	47.3	45.5	2.40
York	55.2	40.9	46.0	44.7	2.84
Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	53.2	43.2	47.8	46.8	3.35
Holyhead	54.9	47.5	50.4	48.6	4.53
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	6.09
Roche's Point	55.6	46.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.5	49.4	4.13
Scilly	56.8	50.7	53.9	52.0	3.84
Hurst Castle	57.7	46.8	51.5	50.5	3.24
Dover	56.2	47.8	51.5	49.4	3.28
LONDON	57.1	43.5	48.4	46.9	2.74
Oxford	65.7	42.9	47.0	45.8	2.72
Cambridge	57.0	41.6	46.6	45.7	2.36
Yarmouth	54.9	45.1	49.5	48.2	2.97

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.6 ins and upwards over the south of Sweden lowest, 29.8 ins and less in a large but shallow depression lying off our extreme south-west coasts.
TEMPERATURE	Highest, 65° at Nice and 57° at Pwllheli Point and Lorient. lowest, 31° at Stockholm, 32° at Helsingfors and Berlin and 38 at Hovornoy.
WIND	Light W <sup>ly</sup> in Sweden and N <sup>ly</sup> in the Hebrides. Strong S <sup>ly</sup> in the north-east of Scotland, moderate to fresh from E or SE in almost all other localities.
WEATHER	Dull in the eastern part of Great Britain and France and also at several of our north-western stations. Fair or fine elsewhere, but foggy at Stockholm and heavy in the south of England. Aurora was seen last night at Utsick and also at several of the Scandinavian stations.
SEA	High at Bodø, rough off the east of Scotland and rather rough off the east of England as well as at Helig. Moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression which lay over the Bay of Biscay yesterday has moved slowly north-westwards and is now apparently dispersing off our extreme south-west coasts.

A slight fall of the barometer is in progress in the north-east of Scotland, but elsewhere the mercury is rising steadily, and the anticyclone over the south of Scandinavia is inclined to spread southwards.

Finer milder weather is therefore probable over the eastern parts of the United Kingdom, but as depression may be expected to appear on our western coasts shortly the weather over Ireland and the west of Scotland is likely to become less settled.

## FORECASTS

For the 24 hours ending at NOON on 29<sup>th</sup> October 1886.

### DISTRICTS.

### FORECASTS.

0 { SCOTLAND NORTH	S <sup>ly</sup> winds, fresh or strong, dull, rain locally.
1 { SCOTLAND EAST	----- D° ----- D°
2 { ENGLAND N. E.	SE <sup>ly</sup> winds, moderate, fair generally.
3 { ENGLAND EAST	----- D° ----- D°
4 { MIDLAND COUNTIES	Same as N° 5.
5 { ENGLAND SOUTH	E <sup>ly</sup> and SE <sup>ly</sup> winds, moderate, fair generally.

### DISTRICTS.

### FORECASTS.

6 { SCOTLAND WEST	E <sup>ly</sup> winds, light or moderate, fair generally.
7 { ENGLAND N. W.	----- D° ----- D°
8 { ENGLAND S. W.	E <sup>ly</sup> and SE <sup>ly</sup> winds, fresh, fair generally.
9 { IRELAND NORTH	SE <sup>ly</sup> winds, light to fresh, cloudy, probably some rain.
10 { IRELAND SOUTH	----- D° ----- D°

### WARNINGS

None issued.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	30.40	49	43	ESE 2	b <sub>c</sub>	3	Holyhead ...	29.89	50	47	ENE 5	b <sub>cm</sub>	5
Sumburgh Head ...	30.23	47	43	SSE 4	0	4	Valencia ...	29.87	52	49	NW 1	b <sub>m</sub>	1
Stornoway ...	30.01	53	47	SE 4	b	4	Scilly ...	29.71	52	51	NE 5	0	5
Aberdeen ...	30.15	47	45	ESE 5	0	5	Dungeness ...	29.87	49	49	ENE 4	r	3
Shields ...	30.03	50	47	ESE 4	0	5	London ...	29.87	49	47	E 3	od	4
Ardrossan ...	30.01	50	46	ENE 3	0	2	Yarmouth ...	29.94	47	46	ESE 6	og	6
Malin Head ...	29.93	49	45	SE 3	0	4	Jersey ...	29.71	58	55	ESE 4	b <sub>c</sub>	3
Mullaghmore ...	29.92	51	47	ESE 5	b <sub>c</sub>	4	Rochefort ...						
Belmullet ...	29.91	51	47	ESE 2	b	*							

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

(For condition at 8am today see pp 2 and 3.)

Yesterday morning's report showed that pressure varied from between 30.32 ins. and 30.46 ins. in a large anticyclone which lay over Scandinavia, the Baltic, and Central Europe to rather below 29.7 ins. in the west of France, and to rather below 29.92 ins. over the White Sea. A depression still lay over the Bay of Biscay, but was filling up. Thus, while E<sup>3</sup> and SE<sup>3</sup> winds prevailed over Northwestern Europe, and S<sup>3</sup> winds in the south-west of France, NW<sup>3</sup> winds were reported over Finland and variable air over the Baltic Provinces. The weather was rather cloudy—especially in the eastern and south-western regions, where rain prevailed at times, while thunderstorms had been experienced in the south of France. Temperature varied from rather above 70° over parts of Algeria and at Malta, and from about 60° in the south of France to a little below 45° over Central Spain, and to rather below the freezing point over Poland and Western Russia. The highest individual readings were 75° at Tunis and Jof, 72° at Malaga, and 61° at Croisette, the lowest 43° at Madrid and 30° at Moscow and Warsaw.

During the day the thermometer rose very little over Western Europe, especially at the inland stations, rain fell in the west and south, and a heavy local fall occurred at Bodo.

### 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 23<sup>rd</sup> OCTOBER 1886.  
 Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, 16, Victoria Street, London, W. H. SCOTT, Secretary.																			
STATIONS.		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																			
Haparanda ..	30.27	37	Z	0	b	30.41	+ 0.4	20	29	- 9	Z	0	r	+	42	?	-		
Hernösand ...	30.62	33	Z	0	b	30.52	- 0.8	26	26	- 6	Z	0	b	+	48	?	-		
Stockholm ...	30.67	35	W	2	0	30.69	+ 0.6	37	36	+ 6	WNW	2	0	+	?	28	-		
Wisby ...	30.60	38	WNW	2	c	30.65	+ 0.5	43	41	+ 2	S	4	bc	+	43	37	-		
Bodö ...	30.40	42	E	2	b	30.35	- 0.6	41	38	- 5	ESE	2	b	0	46	39	-		
Christiansund...	30.41	42	SW	1	b	30.20	- 1.0	39	37	- 3	E	1	b	3	50	36	-		
Skudesuaes ...	30.43	50	SE	6	bc	30.21	- 1.5	31	45	+ 1	SE	4	c	4	54	50	-		
Christiania Fjord (Færd)	30.69	40	N	2	0	30.64	+ 0.4	40	37	+ 1	NE	2	0	1	41	39	-		
Skagen (The Scaw)	30.63	45	SSE	3	0	30.55	- 0.7	46	44	+ 1	SSE	3	bc	2	46	43	-		
Fanö ...	30.45	40	SE	5	b	30.40	- 0.5	39	38	+ 1	SE	5	b	+	48	37	-		
BRITISH ISLANDS.																			
Sumburgh Head	30.18	49	SSE	4	0	30.09	- 0.4	49	48	- 1	SSE	4	g	6	50	48	0.14		
Stornoway ...	30.03	52	SE	4	0	29.96	- 0.7	42	41	+ 4	Z	0	b	0	53	36	0.04		
Wick ...	29.96	51	S	7	0	29.98	- 0.9	50	48	0	S	7	g	3	53	47	-		
Nairn ...	30.11	50	Z	0	bc	30.02	- 0.3	41	41	+ 2	S	1	0	1	55	37	-		
Aberdeen...	30.19	50	SSE	4	0	30.06	- 0.6	49	48	- 1	S	2	r	4	52	48	0.12		
Leith ...	30.12	51	SSE	1	bc	30.06	- 0.3	47	46	- 1	Z	0	r	+	57	45	0.06		
Shields ...	30.15	50	ESE	3	0	30.10	- 0.2	49	48	- 1	S	1	r	3	51	48	0.25		
Spurn Head ...	30.15	52	ESE	4	0	30.20	+ 0.8	50	49	- 2	SW	4	cm	4	52	49	0.02		
York ...	30.14	51	E	1	0	30.14	+ 0.2	48	48	- 2	SSE	1	m	+	53	47	0.26		
Loughborough	30.13	51	ENE	1	0	30.15	+ 0.6	50	49	+ 2	SE	1	om	+	52	49	0.21		
GERMANY.																			
Ardrossan ...	30.10	50	ENE	1	bc	30.03	- 0.3	49	48	+ 1	ENE	2	om	1	54	46	0.05		
Malin Head ...	29.99	50	SSE	3	bc	29.93	- 0.2	52	50	+ 4	S	4	bc	3	52	48	0.01		
Mullaghmore ...	29.96	53	ESE	8	cm	29.91	- 0.3	54	52	+ 6	SSE	4	cm	3	55	48	0.03		
Belmullet ...	29.93	52	SE	3	0	29.91	- 0.2	53	52	+ 6	SSW	3	c	+	55	47	0.07		
Donaghadee ...	30.07	54	SSW	2	c	30.02	- 0.1	53	53	+ 1	SE	3	r	1	54	51	0.01		
Barrow-in-Furness	30.12	50	ENE	3	b	30.08	+ 0.2	50	49	+ 1	ESE	4	0	4	54	49	0.59		
Liverpool (Bidston)	30.10	51	ESE	2	0	30.09	+ 0.3	49	49	0	ESE	3	0	3	53	48	0.45		
Holyhead ...	30.04	54	NE	1	bc	30.03	+ 0.4	54	50	+ 6	SSE	2	c	2	61	48	-		
Parsonstown ...	29.96	55	Z	0	0	30.01	+ 0.4	52	51	+ 1	SSW	1	og	+	55	49	0.05		
Valencia ...	29.86	55	ESE	2	0	29.99	+ 1.0	55	54	+ 4	SSW	5	0	5	59	51	0.05		
Roche's Point...	29.90	55	SE	5	0	30.02	+ 1.3	54	53	0	SW	3	0	4	56	51	0.10		
Pembroke ...	29.99	54	SE	5	c	30.10	+ 1.6	54	54	+ 3	SSW	4	og	3	55	50	0.06		
Scilly ...	29.83	57	ESE	6	op	30.11	+ 3.4	56	56	0	S	5	om	5	58	51	0.04		
Prawle Point ...	29.99	56	ENE	3	bc	30.21	+ 3.1	55	53	- 2	WSW	3	c	4	59	53	-		
Jersey ...	30.00	58	SSE	1	cg	30.25	+ 3.3	55	55	- 1	SW	3	bc	3	61	54	-		
FRANCE & NETHERLANDS.																			
Hurst Castle ...	30.03	55	ESE	4	0	30.23	+ 2.4	57	56	+ 5	SW	5	c	4	59	57	0.09		
Dungeness ...	30.06	55	E	4	0	30.25	+ 2.2	57	56	+ 6	SW	4	bc	3	57	46	0.01		
London ...	30.09	52	ENE	3	0	30.23	+ 1.7	53	51	+ 5	S	2	b	+	57	47	0.02		
Oxford ...	30.10	53	ESE	3	0	30.19	+ 1.3	55	54	+ 5	S	3	bc	+	59	49	0.06		
Cambridge ...	30.14	51	E	1	0	30.22	+ 1.3	52	51	+ 1	S	1	b	+	57	44	-		
Yarmouth ...	30.13	51	E	5	og	30.22	+ 1.1	52	52	+ 1	SSW	2	bc	4	53	50	-		
Cuxhaven ...	30.29	47	ESE	6	b	30.37	+ 0.3	38	37	- 7	SE	3	b	+	47	36	-		
Berlin ...	30.51	37	E	4	b	30.51	0.0	35	33	+ 3	E	3	c	+	43	?	-		
Wiesbaden ...	30.27	43	NE	2	b	30.38	+ 3.1	41	40	- 4	Z	0	b	+	55	39	-		
Munich ...	30.25	42	E	3	b	30.48	+ 3.3	37	36	0	E	1	b	+	55	34	-		
PENIN- SULA.																			
The Helder ...	30.20	44	E	1	b	30.27	?	44	43	?	SSE	1	c	1	46	41	-		
Brussels ...	?	?	?	?	?	30.31	+ 2.4	45	44	+ 4	S	3	bc	+	52	?	-		
Cape Gris Nez...	30.08	52	SSE	3	m	30.20	+ 1.8	51	50	+ 9	SSW	4	c	3	57	?	-		
Paris ...	30.06	50	NE	1	0	30.33	+ 3.1	48	48	+ 3	S	1	m	+	57	45	-		
Brest ...	29.95	57	S	5	0	30.21	+ 4.9	57	55	+ 1	S	4	0	5	61	48	0.04		
Lorient ...	30.01	58	SW	4	bc	?	?	56	55	- 1	WSW	3	b	3	64	50	-		
Rochefort ...	30.09	58	SE	1	bc	30.23	+ 3.9	54	54	+ 1	SE	1	c	2	66	48	-		
Belfort ...	30.14	47	E	1	0	30.38	+ 3.8	40	38	- 6	E	1	b	+	52	37	-		
Lyons ...	30.12	51	NNE	1	0	30.37	?	48	48	?	NNW	1	f	+	55	48	0.12		
Nice ...	30.07	68	E	5	0	30.23	+ 2.8	65	53	0	E	3	bc	3	72	59	0.20		
Perpignan ...	30.00	56	N	3	r	30.26	+ 3.9	58	57	+ 5	NW	3	0	+	?	53	1.26		
Biarritz ...	30.04	60	NNW	4	b	30.28	+ 4.1	56	54	0	S	3	0	2	64	52	-		
Corunna ...																			
Lisbon ...	30.08	59	NNW	5	b	30.23	+ 2.3	50	50	- 5	NNE	3	f	2	63	50	-		

For Explanation of Columns, see p. 4.



for 8 a.m. on Friday, 29<sup>th</sup> OCTOBER 1886.

(*Explanation of Map*)

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

\*  $\longrightarrow$  = forces above  $W_1$ ;  $\longrightarrow$  = forces 8 to  $W_1$   
 $\longrightarrow$  = forces 6 to 7;  $\longrightarrow$  = forces 1 to 4  
 (C) = grad. calm.

Sea Disturbance— where considerable is shewn thus

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

Temperature—Isotherms are drawn for each  $10^{\circ}$  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.

for the month of October

A hand-drawn weather map of Europe and the North Atlantic, dated 1900. The map shows temperature isotherms and various weather conditions. Handwritten notes include "COLDER HERE", "PLACES", "RAIN HAS FALLEN", and "WARMER". The map also features various temperature readings in degrees Fahrenheit and Celsius, and weather symbols like "mm" for rain and "bc" for clouds.

Key features and data points:

- Temperature Isotherms:**
  - 40° (F): Passes through the British Isles, with values like 41° F and 30° F noted.
  - 50° (F): Passes through the North Atlantic, with values like 51° F and 50° F noted.
  - 60° (F): Located in the lower right, with values like 65° F and 60° F noted.
- Weather Conditions:**
  - Rain:** Indicated by "mm" and "bc" symbols, with notes like "Rain has fallen" and "RAIN HAS FALLEN".
  - Clouds:** Indicated by "bc" symbols.
  - Other:** "Aurora last night" is noted near the British Isles.
- Handwritten Notes:**
  - "COLDER HERE" is written near the top right.
  - "PLACES" is written near the center right.
  - "RAIN HAS FALLEN" is written in the lower left.
  - "WARMER" is written in the lower left.
- Temperature Readings:**
  - 41° F, 30° F, 39° F, 26° F, 37° F, 43° F, 46° F, 39° F, 38° F, 35° C, 41° F, 37° F, 40° F, 50° F, 51° F, 53° F, 56° F, 54° C, 56° C, 53° C, 52° C, 51° C, 50° C, 49° C, 48° C, 47° C, 46° C, 45° C, 44° C, 43° C, 42° C, 41° C, 40° C, 39° C, 38° C, 37° C, 36° C, 35° C, 34° C, 33° C, 32° C, 31° C, 30° C, 29° C, 28° C, 27° C, 26° C, 25° C, 24° C, 23° C, 22° C, 21° C, 20° C, 19° C, 18° C, 17° C, 16° C, 15° C, 14° C, 13° C, 12° C, 11° C, 10° C, 9° C, 8° C, 7° C, 6° C, 5° C, 4° C, 3° C, 2° C, 1° C, 0° C, -1° C, -2° C, -3° C, -4° C, -5° C, -6° C, -7° C, -8° C, -9° C, -10° C, -11° C, -12° C, -13° C, -14° C, -15° C, -16° C, -17° C, -18° C, -19° C, -20° C, -21° C, -22° C, -23° C, -24° C, -25° C, -26° C, -27° C, -28° C, -29° C, -30° C, -31° C, -32° C, -33° C, -34° C, -35° C, -36° C, -37° C, -38° C, -39° C, -40° C, -41° C, -42° C, -43° C, -44° C, -45° C, -46° C, -47° C, -48° C, -49° C, -50° C, -51° C, -52° C, -53° C, -54° C, -55° C, -56° C, -57° C, -58° C, -59° C, -60° C, -61° C, -62° C, -63° C, -64° C, -65° C, -66° C, -67° C, -68° C, -69° C, -70° C, -71° C, -72° C, -73° C, -74° C, -75° C, -76° C, -77° C, -78° C, -79° C, -80° C, -81° C, -82° C, -83° C, -84° C, -85° C, -86° C, -87° C, -88° C, -89° C, -90° C, -91° C, -92° C, -93° C, -94° C, -95° C, -96° C, -97° C, -98° C, -99° C, -100° C.

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



# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.6 ins and upwards over the Baltic and south of Sweden. Lowest, 30.0 ins and less on the western coasts of Ireland and Scotland.
TEMPERATURE	Highest, 65° at Marseilles, 58° at Perpignan and 57° at Hurst Castle and Dungeness. Lowest, 26° at Hermisand, 30° at Haparanda, 35° at Berlin and 42° at Hornoway.
WIND	Light E <sup>ly</sup> in Germany; moderate SE <sup>ly</sup> on the eastern shores of the North Sea and also in the north-west of England. Moderate or fresh S <sup>ly</sup> or SW <sup>ly</sup> elsewhere, but strong at Wick.
WEATHER	Rainy in the east of Scotland and north-east of England as well as at Donaghadee. Dull on our western and northern coasts generally. Fine in most other localities.
SEA	Rough at Lumburg Head, and rather rough at Valencia and Lelly, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone recently noticed over Scandinavia has extended southwards over Central Europe, but its central area still lies over the south of Sweden.

The shallow depression which lay to the south-west of our islands yesterday has apparently moved away over the Atlantic.

There is at present no sign of the advance of any new disturbance, but conditions are favourable for the passage of depressions along our extreme western coasts; so that while fair weather is probable in the east, cloudy unsettled weather is likely to continue in the west and north.

## FORECASTS

For the 24 hours ending at NOON on 30<sup>th</sup> October 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	S <sup>ly</sup> winds, fresh or strong; dull, some rain.	6 { SCOTLAND WEST	E <sup>ly</sup> and SE <sup>ly</sup> winds, moderate; dull, some rain.
1 { SCOTLAND EAST	D° ----- D°	7 { ENGLAND N. W.	D° ----- D°
2 { ENGLAND N. E.	S <sup>ly</sup> winds, moderate; cloudy, some rain.	8 { ENGLAND S. W.	S <sup>ly</sup> and SW <sup>ly</sup> winds, fresh; cloudy, some rain.
3 { ENGLAND EAST	Same as N° 5.	9 { IRELAND NORTH	D° ----- D°
4 { MIDLAND COUNTIES	Same as N° 5.	10 { IRELAND SOUTH	D° ----- D°
5 { ENGLAND SOUTH	S <sup>ly</sup> and SW <sup>ly</sup> winds, moderate; fair generally.	WARNINGS	None issued.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	30.06	54	45	SE 7	c	4	Holyhead ...	30.01	59	55	2 0	b	0
Sumburgh Head	30.16	49	48	SSE 4	r	6	Valencia ...	29.86	57	54	ENE 2	c	3
Stornoway ...	30.04	48	47	SSE 3	omp	3	Scilly ...	29.83	57	56	ESE 5	cp	5
Aberdeen ...	30.16	51	49	SSE 5	o	6	Dungeness ...	30.04	56	54	E 3	o	3
Shields ...	30.14	51	49	SE 1	o	4	London ...	30.08	57	54	ESE 2	c	4
Ardrossan ...	30.06	54	50	ENE 2	bc	1	Yarmouth ...	30.12	58	58	ESE 4	c	5
Malin Head	29.99	58	56	SE 2	o	2	Jersey ...	29.96	59	57	ESE 3	bc	2
Mullaghmore ...	29.96	54	51	E 3	cm	3	Rocheport ...	30.01	64	60	S 3	c	2
Belmullet ...	29.93	55	51	SSE 2	b	4							

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

(For condition at 8 am today see pp 2 and 3.)

Yesterday's report showed an increase in the height of the anticyclone over the Baltic, Germany, and Western Russia, while the low pressure area over the Bay of Biscay was growing shallower and moving northwards, so that the barometer was rising in the west, and especially over the Spanish Peninsula. Readings varied from about 30.7 ins. over Poland to about 29.8 ins. over the Bay of Biscay. The wind remained NW<sup>1</sup>/<sub>2</sub> or N<sup>3</sup>/<sub>4</sub> over Finland, and was chiefly SE<sup>3</sup>/<sub>4</sub> or E<sup>3</sup>/<sub>4</sub> over Western Europe, and showed a tendency to veer to SW. over Spain. The weather remained cloudy in most places, with occasional showers in various parts of France, fog in some parts of Germany and Russia, and snow at Kiev. Temperature varied from between 73° and 77° over Algeria, 73° at Malta, 72° at Cagliari and 68° at Croisette to rather below the freezing point over Northern Russia, Poland and Hungary - the lowest readings of all being 27° at St. Petersburg, and 29° at Archangel and Hermanstadt.

During the day the baric rise in the far south continued briskly and spread northwards. The depression over the Bay of Biscay moved away to the Atlantic, and S<sup>3</sup>/<sub>4</sub> winds with mild weather began to spread over Western Europe, with some rain in almost all parts of the United Kingdom and France.

## ATLANTIC TELEGRAM.

The Chief Signal Officer at Washington U.S. reports that on the 24<sup>th</sup> Inst. in Lat 43° N. Long 53° W. the barometer fell to 29.7 ins. at 6 am. during a strong gale in which the wind shifted from NE to N.

## 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 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 Saturday 30<sup>th</sup> October 1886.

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.)			Pending 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 ..	30.29	39	SW	2	0	30.00	-4.1	39	37	+9	S	6	bc	4		39	27	
	Hernösand ...	30.41	39	SW	0	6	30.30	-2.2	38	36	+12	SW	4	b	4		44	25	
	Stockholm ...	30.62	42	SSW	4	0	30.50	-1.9	41	39	+4	WSW	2	0	4		46	32	
	Wisby ...	30.61	42	S	4	bc	30.48	-2.0	43	42	0	SSW	4	bc	4		48	37	
	Bodö ...	30.15	43	E	2	6	29.89	-4.6	45	44	+4	SW	6	n	3		?	36	0.08
	Christiansund...	30.12	46	SW	2	0	30.05	-2.8	52	47	+13	E	2	0	3		52	?	
	Skudesnaes ...	30.31	50	SSE	8	0	30.30	-0.1	51	51	0	S	8	n	5		52	50	
	Christiania Fjord (Færdor)	30.48	42	ESE	2	6	30.42	-2.2	45	44	+5	SW	0	0	2		?	?	
	Skagen (The Scaw)	30.48	48	SSE	4	0	30.45	-1.0	41	39	-5	SW	0	b	0		50	36	
	Fanö ...	30.45	39	SSE	2	6	30.44	+0.4	41	41	+2	SSE	2	m	4		48	36	
BRITISH ISLANDS.	Sumburgh Head	29.96	49	S	2	0	30.16	+0.7	50	48	+1	W	1	0	4		52	48	0.23
	Stornoway ...	29.90	53	SSW	5	p	30.18	+2.2	44	43	+2	SW	0	bc	0		53	40	0.16
	Wick ...	29.96	52	SSW	3	0	30.21	+2.3	46	44	-4	SW	1	e	1		53	44	
	Nairn ...	29.99	53	SW	0	0	30.21	+1.9	47	45	+6	SW	0	e	0		54	39	
	Aberdeen...	30.11	52	SSW	1	0	30.25	+1.9	50	49	+1	SW	1	n	4		54	48	0.20
	Leith ...	30.13	53	SW	1	0	30.25	+1.9	52	51	+5	S	1	om	4		58	46	0.22
	Shields ...	30.19	56	SW	3	0	30.30	+2.0	53	52	+4	SW	0	am	3		56	48	0.03
	Spurn Head ...	30.29	54	SSW	2	6	30.34	+1.4	53	53	+3	SSW	2	om	3		59	49	
	York ...	30.26	53	W	2	0	30.32	+1.8	54	54	+6	S	1	m	4		60	48	0.03
	Loughborough	30.32	56	S	2	0	30.36	+2.1	55	54	+5	SSE	1	0	4		62	49	
GERMANY.	Ardrossan ...	30.12	54	SW	3	0	30.22	+1.9	52	52	+3	S	3	n	3		54	48	0.16
	Malin Head ...	30.07	53	WSW	3	0	30.18	+2.5	49	48	-3	S	2	0	3		56	48	
	Mullaghmore ...	30.10	53	SW	4	0	30.17	+2.6	51	50	-3	SE	2	om	3		57	49	
	Belmullet ...	30.10	53	SW	3	0	30.17	+2.6	45	44	-8	E	2	om	0		54	39	
	Donaghadee ...	30.16	54	SW	2	0	30.23	+2.1	52	52	-1	SW	3	n	1		57	51	0.42
	Barrow-in-Furness	30.22	54	S	3	0	30.30	+2.2	52	52	+2	S	3	n	4		55	49	0.58
	Liverpool (Bidston)	30.25	55	SSE	1	0	30.31	+2.2	54	53	+5	SSE	1	n	2		57	49	0.10
	Holyhead ...	30.22	54	SSW	2	2m	30.28	+2.5	52	52	-2	SW	1	am	1		57	52	0.62
	Parsonstown ...	30.19	54	S	1	n	30.19	+1.8	53	51	+1	SW	0	e	4		57	51	0.18
	Valencia ...	30.16	52	SSE	1	nm	30.12	+1.3	53	52	-2	E	1	0	1		55	51	0.23
FRANCE & NETHERLANDS.	Roche's Point...	30.18	55	S	4	n	30.16	+1.4	55	54	+1	SSW	5	0	4		57	52	0.60
	Pembroke ...	30.27	52	SSW	3	0	30.27	+1.4	56	55	+2	SSE	4	og	3		56	?	0.03
	Scilly ...	30.26	57	S	4	0	30.23	+1.2	56	55	0	SSE	4	0	5		58	54	0.01
	Prawle Point ...	30.36	57	SSW	3	m	30.33	+1.2	56	56	+1	SE	1	m	1		58	54	0.04
	Jersey ...	30.37	56	SSE	1	bm	30.33	+0.8	56	56	+1	SE	3	omw	3		59	54	
	Hurst Castle ...	30.37	57	SW	3	0	30.37	+1.4	55	55	-2	E	1	e	2		61	54	0.05
	Dungeness ...	30.40	57	W	3	0	30.38	+1.3	55	55	-2	SSE	2	0	2		62	54	
	London ...	30.39	54	SW	2	bf	30.40	+1.7	51	51	-2	SE	1	0	4		65	48	
	Oxford ...	30.39	55	SW	2	0	30.38	+1.9	53	52	-2	SSE	1	0	4		63	52	
	Cambridge ...	30.36	52	SW	1	6	30.39	+1.7	51	51	-1	S	1	0	4		63	49	
PENINSULA.	Yarmouth ...	30.34	56	SSW	2	6	30.40	+1.8	53	52	0	SSW	1	bf	2		60	43	
	Cuxhaven ...	30.42	48	SE	2	6	30.46	+0.9	43	42	+5	S	1	bf	4		48	?	
	Berlin ...	30.50	42	E	1	6	30.49	-0.2	35	33	0	SE	1	bf	4		50	34	
	Wiesbaden ...	?	?	?	?	?	30.48	+1.0	41	40	0	SW	0	bc	4		54	39	
	Munich ...	30.45	43	SW	0	6	30.48	0.00	34	34	-3	SW	0	f	4		55	32	
	The Helder ...																		
	Brussels ...																		
	Cape Gris Nez...	30.38	55	SW	3	0	30.39	+1.9	51	49	0	S	4	m	2		57	50	
	Paris ...	30.45	53	NNE	1	f	30.42	+0.9	43	43	-5	NNE	1	f	4		58	43	
	Brest ...	30.34	57	S	4	6	30.28	+0.7	55	54	-2	E	4	0	4		57	48	
PENINSULA.	Lorient ...	30.37	56	S	3	0	30.32	?	54	54	-2	SSE	1	m	3		66	48	
	Rochefort ...	30.38	60	NNE	4	6	30.36	+0.3	55	55	+1	SE	4	m	2		68	50	
	Belfort ...	30.38	49	E	1	6	30.41	+0.3	43	42	+3	E	3	f	4		61	38	
	Lyons ...	30.40	54	E	1	6	30.43	+0.6	45	45	-3	N	1	f	4		59	43	
	Nice ...	30.30	64	SW	0	6	30.34	+1.1	57	53	-8	WSW	1	bf	2		72	50	
	Perpignan ...	30.36	58	W	3	6	30.37	+1.1	49	49	-9	W	1	bf	4		?	48	
	Biarritz ...	30.32	63	E	4	6	30.29	+0.1	59	54	+3	SE	5	bf	1		64	52	
	Corunna ...																		
	Lisbon ...	30.27	60	NNE	4	6	30.26	+0.3	55	51	+5	NNE	5	e	2		64	?	

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on *Saturday, 30<sup>th</sup> OCTOBER* 1886.

## 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 —

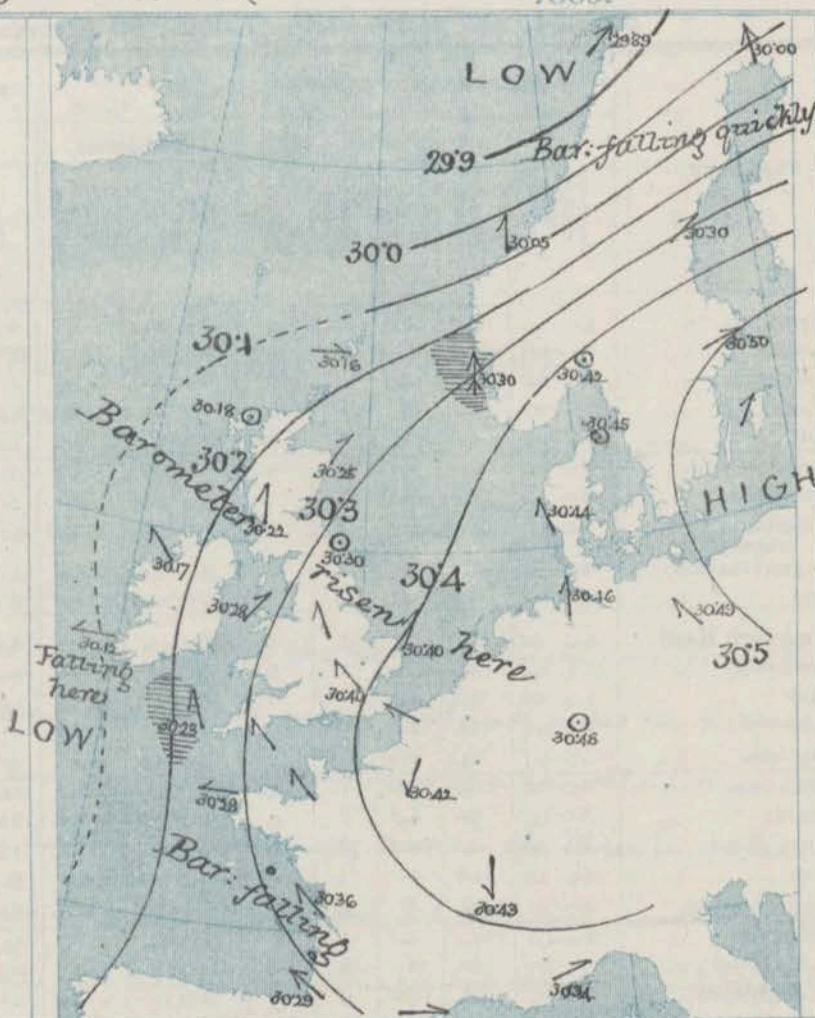
→ = forces above 10; →→ = forces 8 to 10;  
 →→ = forces 5 to 7; → = forces 1 to 4;  
 ○ = dead calm.

**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 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	<i>in.</i>
Sumburgh Head	29.685
Stornoway	29.707
Wick	29.718
Nairn	29.738
Aberdeen	29.748
Leith	29.780
Shields	29.821
York	29.860
Ardrossan	29.749
Donaghadee	29.805
Holyhead	29.830
Liverpool	29.845
Valencia	29.842
Roche's Point	29.843
Pembroke	29.847
Scilly	29.877
Hurst Castle	29.894
Dover	29.907
LONDON	29.902
Oxford	29.891
Cambridge	29.894
Yarmouth	29.889



## 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.

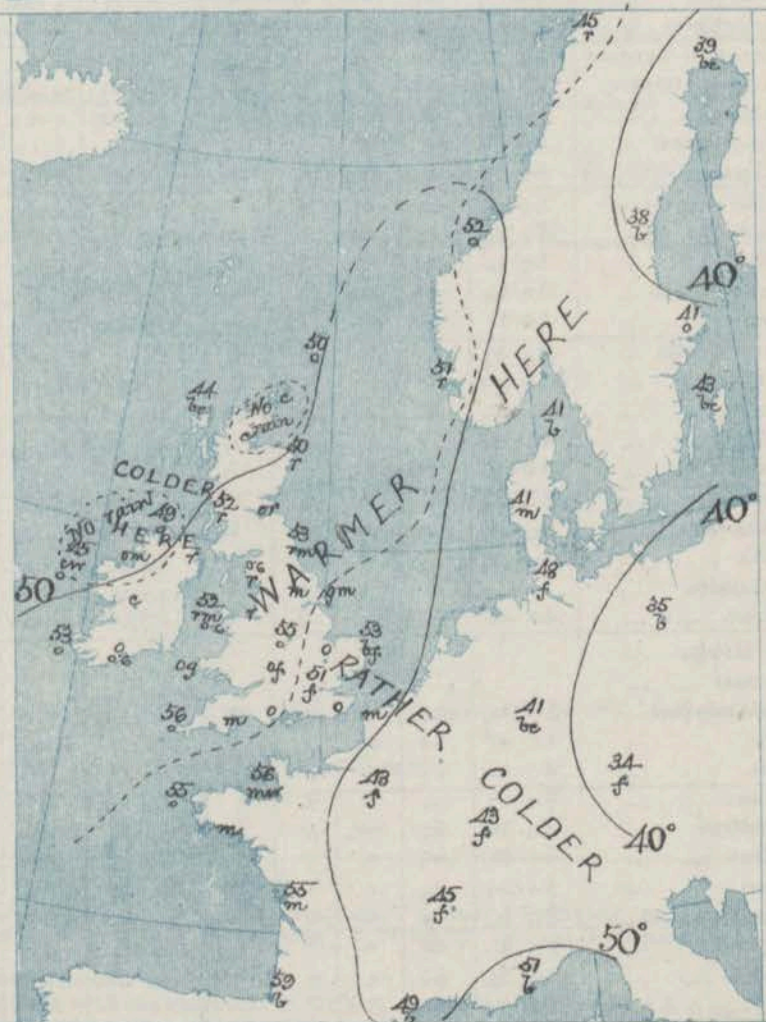
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## 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	49.5	41.6	45.9	44.4	4.33
Stornoway	50.2	38.8	45.1	43.9	4.94
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	42.5	2.38
Aberdeen	52.1	41.3	45.5	43.5	2.88
Leith	55.3	41.9	46.7	45.1	1.04
Shields	53.2	43.1	47.3	45.5	2.46
York	55.2	40.9	46.0	44.7	2.64
Ardrossan	53.7	43.2	47.7	45.4	4.31
Donaghadee	53.2	43.2	47.8	46.8	3.35
Holyhead	54.9	47.5	50.4	48.6	4.58
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	49.5	51.3	49.1	6.09
Roche's Point	55.6	46.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.5	49.4	4.13
Scilly	56.8	50.7	53.9	52.0	3.84
Hurst Castle	57.7	46.8	51.5	50.5	3.24
Dover	56.2	47.8	51.5	49.4	3.28
LONDON	57.1	43.5	48.4	46.9	2.74
Oxford	55.7	42.9	47.0	45.8	2.72
Cambridge	57.0	41.6	46.6	45.7	2.36
Yarmouth	54.9	45.1	49.5	48.2	2.97

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





## GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.5 ins. and upwards over the Baltic.</p> <p>Lowest, 29.9 ins. and less in the neighbourhood of Bodø, but relatively low (30.1 ins.) off the west of Ireland.</p>
TEMPERATURE	<p>Highest, 59° at Biarritz, 57° at Nice, and 56° in the southwest of England.</p> <p>Lowest, 34° at Munich, 35° at Berlin, 38° at Hernösand and 44° at Storöway.</p>
WIND	<p>Strong from S or SW in Scandinavia, light from the same quarters in the north and east of our Islands.</p> <p>Light variable in Germany.</p> <p>Light or moderate from SE or E. elsewhere.</p>
WEATHER	<p>Rain in the west of Norway, the northern part of Ireland and England, the south of Scotland, dull on our southwest coast; generally fine elsewhere, but foggy over Germany, the east of France, and the south-east of England.</p>
SEA	<p>Rather rough at Scilly, but slight or smooth elsewhere.</p>

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large area of low pressure which lay to the westward of our Islands yesterday has apparently moved north-eastwards, and the barometer has risen at all but the Scandinavian stations.

Over the south of our Islands and the west of France, however, a slight fall of the barometer has set in during the night and it is therefore probable that some new depression is approaching our south-west coast.

There is at present no reason to suppose that this will be serious.

## FORECASTS

for the 24 hours ending at NOON on 31<sup>st</sup> OCTOBER 1886.

DISTRICTS.		FORECASTS.	
0	SCOTLAND NORTH	S <sup>w</sup> winds, light or moderate; cloudy, some rain.	
1	SCOTLAND EAST	----- D° ----- D° ----- D° -----	
2	ENGLAND N.E.	S <sup>w</sup> winds, moderate; dull, misty, rain locally.	
3	ENGLAND EAST	Same as No 5.	
4	MIDLAND COUNTIES	Same as No 5.	
5	ENGLAND SOUTH	E <sup>w</sup> and SE <sup>w</sup> winds, light; fair generally, but some mist or fog.	

DISTRICTS.		FORECASTS.	
6	SCOTLAND WEST	S <sup>w</sup> and SE <sup>w</sup> winds, light; dull, some rain.	
7	ENGLAND N. W.	----- D° ----- D° ----- D° -----	
8	ENGLAND S. W.	SE <sup>w</sup> and E <sup>w</sup> winds, freshening; dull, rain locally.	
9	IRELAND NORTH	SE <sup>w</sup> and S <sup>w</sup> winds, freshening; dull. Some rain.	
10	IRELAND SOUTH	----- D° ----- D° ----- D° -----	
WARNINGS		NONE ISSUED.	



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.26	51	46	SSW 8	o	4	Holyhead ...	30.46	56	54	SSW 2	o m	2
Sumburgh Head	29.98	49	49	S 3	N	6	Valencia ...	30.10	55	54	SSW 3	o	3
Stornoway ...	29.88	53	52	S 5	p	5	Scilly ...	30.22	58	57	SSW 4	o	4
Aberdeen ...	30.05	52	51	S 4	c	6	Dungeness ...	30.31	59	57	W 4	c	2
Shields ...	30.13	54	52	SW 1	o	3	London ...	30.31	63	57	SW 3	c	4
Ardrossan ...	30.04	54	53	SW 3	o	3	Yarmouth ...	30.29	60	57	SW 2	b	3
Malin Head ...	29.94	55	52	SSW 4	e	3	Jersey ...	30.23	57	56	SSW 2	c	2
Mullaghmore ...	29.99	57	54	SSW 5	c	3	Rochefort ...	30.37	63	61	N 4	b	2
Belmullet ...	30.01	53	50	SSW 3	o	2							

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

(For condition at 8am today see pp 2 and 3.)

Yesterdays reports showed that the anticyclone noticed lately over the Baltic and Germany still prevailed but had moved slightly to the south eastward, and that readings varied from a little above 30.7 in. over Poland and the west of Russia, and from about 30.3 in. over Central Spain to 29.9 in. on the extreme northwest coasts of the British Isles. NW<sup>2</sup> air still prevailed over Finland, while calms and variable air were experienced in Germany and Austria. Over NW<sup>1</sup> Europe, however, the wind had backed to the S<sup>1</sup> and SW<sup>1</sup> very generally, while in the south of France (owing to a depression which had appeared over the Mediterranean) it was E<sup>1</sup>. The weather over France and the south-eastern parts of England had improved considerably, and become warmer, but dull, unsettled conditions and rain at times, still prevailed in the west and north of the United Kingdom, as well as over Finland, the Baltic, and Poland. In Austria and Germany the weather was fine. Temperature had fallen decidedly over the Mediterranean, and ranged from between 55° and 65° over Algeria, the greater part of Italy, and the south of France, and from between 50° and 57° over Ireland and England, to rather below 40° over Central Spain and to rather below the freezing point over Hungary, Russia and the north of Sweden. The highest individual readings were 69° at Croisette, 68° at Cagliari, and 66° at Barcelona; the lowest 40° at Belfast, 39° at Madrid, 28° at Hermannstadt, 26° at Himmerland, and 24° at Moscow.

During the day temperature rose to 72° at Kiel, 68° at Rochefort, and to 63° in London. Rain again fell in the west and north, but over England, France and Germany the weather was very fine.

### 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 31<sup>st</sup> OCTOBER 1886.  
 Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
				Dir.	Force. (0 to 12.)		Reading at 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.)		Weather.	Max.		Min.	
SCANDINAVIA.	Haparanda ..	29.88	42	W	6	b	29.88	- .12	42	38	+ 3	W	4	c	4	43	36	—	
	Hernösand ..	30.24	39	Z	0	o	30.22	- .08	39	37	+ 1	Z	0	b	4	46	36	—	
	Stockholm ...	30.23	42	SW	2	o	30.26	- .24	42	42	+ 1	Z	0	f	4	45	37	—	
	Wisby ...	30.36	44	WSW	4	c	30.22	- .23	44	43	+ 1	W	4	o	4	50	41	—	
	Bodö ...	29.86	41	SW	9	o	29.83	- .03	44	42	- 1	WSW	9	r	6	46	41	0.35	
	Christiansund...	30.22	49	WSW	4	bc	30.19	+ .14	43	41	- 9	ESE	2	b	4	50	41	—	
	Skudesnaes ...	30.27	51	SSE	2	r	30.18	- .12	52	51	+ 1	SSE	4	o	4	52	?	0.16	
	Christiania Fjord (Fierder)	30.32	48	S	2	f	30.29	- .13	44	44	- 1	Z	0	f	1	48	43	—	
	Skagen (The Scaw)	30.34	47	SSW	2	f	30.28	- .17	48	47	+ 7	SW	1	m	1	48	39	0.04	
	Fanö ...	30.34	46	SSE	1	o	30.26	- .18	43	43	+ 2	SSE	2	f	4	48	41	—	
BRITISH ISLANDS.	Sumburgh Head	30.19	45	Z	0	b	29.87	- .29	50	49	0	SSE	4	o	4	54	43	—	
	Stornoway ...	30.09	51	SE	2	c	29.71	- .47	50	48	+ 6	S	5	b	5	55	42	0.25	
	Wick ...	30.15	50	S	2	bc	29.81	- .40	50	?	+ 4	S	5	ow	2	58	45	0.01	
	Nairn ...	30.12	52	Z	0	c	29.78	- .43	55	50	+ 8	S	2	e	1	55	49	0.01	
	Aberdeen...	30.19	51	SSW	1	bc	29.89	- .36	52	51	+ 2	S	4	r	3	54	49	0.04	
	Leith ...	30.18	53	S	1	o	29.89	- .36	52	51	0	SW	1	ow	4	58	42	0.10	
	Shields ...	30.24	51	SE	2	or	29.96	- .34	52	52	0	Z	0	ow	2	54	50	0.13	
	Spurn Head ...	30.26	53	SE	1	c	30.04	- .30	53	53	0	S	3	ogm	2	56	52	—	
	York ...	30.29	55	SE	1	bc	30.01	- .31	54	53	0	SSE	1	r	4	57	49	0.07	
	Loughborough	30.25	54	SSE	1	c	30.04	- .32	55	54	0	SE	1	o	4	58	53	—	
GERMANY.	Ardrossan ...	30.14	53	ESE	3	o	29.87	- .35	52	50	0	WSW	4	b	3	54	51	0.03	
	Malin Head ...	29.95	53	SSE	3	og	29.87	- .37	49	47	0	SSW	3	bp	3	55	48	0.14	
	Mullaghmore ...	29.96	56	SE	5	og	29.79	- .38	50	48	- 1	S	4	b	2	57	49	0.08	
	Belmullet ...	29.90	50	SSE	3	o	29.81	- .36	51	48	+ 6	SW	3	b	2	55	44	0.08	
	Donaghadee ...	30.13	54	SW	4	o	29.92	- .31	47	47	- 5	S	3	b	1	56	47	0.18	
	Barrow-in-Furness	30.19	53	E	3	o	29.95	- .35	54	53	+ 2	S	4	o	4	54	49	0.29	
	Liverpool (Bidston)	30.21	53	SE	2	b	29.97	- .34	54	53	0	SE	2	o	2	57	50	0.11	
	Holyhead ...	30.18	55	SSE	1	c	29.97	- .31	51	50	- 1	SW	3	c	2	58	52	0.07	
	Parsonstown ...	30.04	55	SSE	2	o	29.94	- .25	45	44	- 8	Z	0	b	4	58	43	0.02	
	Valencia ...	29.97	53	SSE	5	om	29.91	- .21	54	52	+ 1	SSW	3	bcw	5	57	51	0.05	
FRANCE & NETHERLANDS.	Roche's Point...	30.02	55	S	6	r	29.96	- .20	50	48	- 5	SW	2	b	4	57	48	0.16	
	Pembroke ...	30.17	56	SE	2	bc	30.03	- .24	53	52	- 3	WSW	3	cg	3	58	52	0.03	
	Scilly ...	30.11	56	SSE	5	af	30.01	- .22	53	52	- 3	SW	4	c	4	57	51	0.06	
	Prawle Point ...	30.20	55	SSE	2	f	30.08	- .25	55	55	- 1	WSW	1	m	2	56	54	0.02	
	Jersey ...	30.23	57	WSW	2	om	30.12	- .21	56	56	0	SSW	2	ofdp	2	58	51	0.01	
	Hurst Castle ...	30.23	56	SE	2	c	30.10	- .27	57	56	+ 2	SSW	2	enur	1	58	54	—	
	Dungeness ...	30.22	56	S	1	o	30.14	- .24	57	57	+ 2	SSW	3	m	2	62	55	—	
	London ...	30.27	56	SSW	1	f	30.10	- .30	55	55	+ 4	S	1	of	4	60	50	—	
	Oxford ...	30.22	54	SSE	1	o	30.07	- .31	55	54	+ 2	SSE	1	cm	4	57	52	—	
	Cambridge ...	30.24	53	S	1	o	30.09	- .30	55	55	+ 4	Z	0	o	4	59	49	—	
PENIN. SULA.	Yarmouth ...	30.20	54	S	2	c	30.10	- .30	53	53	0	S	1	f	0	55	50	0.10	
	Cuxhaven ...	30.41	48	S	1	f	30.30	- .16	44	43	+ 1	SE	1	f	4	49	42	—	
	Berlin ...	30.41	42	Z	0	b	30.34	- .15	34	33	- 1	SSE	1	b	4	48	32	—	
	Wiesbaden ...	30.39	39	Z	0	b	30.33	- .15	39	37	- 2	Z	0	b	4	57	32	—	
	Munich ...	30.39	39	Z	0	b	30.33	- .15	34	34	0	E	1	f	4	52	32	—	
	The Helder ...	30.33	47	ESE	1	f	30.18	- .17	47	46	0	SE	1	bc	1	50	46	—	
	Brussels ...	30.27	54	E	1	m	30.20	- .29	55	53	+ 4	S	4	c	2	59	50	—	
	Cape Gris Nez...	30.27	54	E	1	m	30.20	- .29	55	53	+ 4	S	4	c	2	59	50	—	
	Paris ...	30.30	53	ESE	1	b	30.22	- .20	47	47	+ 4	S	1	f	4	64	43	—	
	Brest ...	30.18	57	SSW	3	o	30.06	- .22	57	57	+ 2	SW	4	r	4	61	48	0.12	
PENIN. SULA.	Lorient ...	30.27	59	S	3	o	30.15	- .17	58	58	+ 4	WSW	5	o	3	63	48	—	
	Rochefort ...	30.28	64	N	1	m	30.23	- .13	54	54	- 1	SE	4	f	3	72	50	—	
	Belfort ...	30.24	45	E	2	f	30.22	- .18	45	44	+ 2	E	1	f	2	48	41	—	
	Lyons ...	30.25	50	NNW	1	f	30.30	- .13	48	48	+ 3	SSW	1	r	4	51	48	—	
	Nice ...	30.32	57	ESE	1	b	30.29	- .05	52	50	- 5	ESE	1	b	1	63	50	—	
	Perpignan ...	30.31	55	Z	0	b	30.28	- .09	52	52	+ 3	SW	1	f	1	69	47	—	
	Biarritz ...	30.23	46	E	4	b	30.17	- .12	61	56	+ 2	S	2	c	2	73	52	—	
	Corunna ...	30.21	65	W	4	o	30.19	- .09	56	55	- 2	SW	2	o	4	70	54	0.04	
Lisbon ...	30.21	65	W	4	o	30.17	- .09	57	54	+ 2	NNE	4	b	4	68	55	—		

For Explanation of Columns, see p. 4.



# WEATHER CHARTS

for 8 a.m. on

Sunday

31<sup>st</sup> October

1886.

## 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.

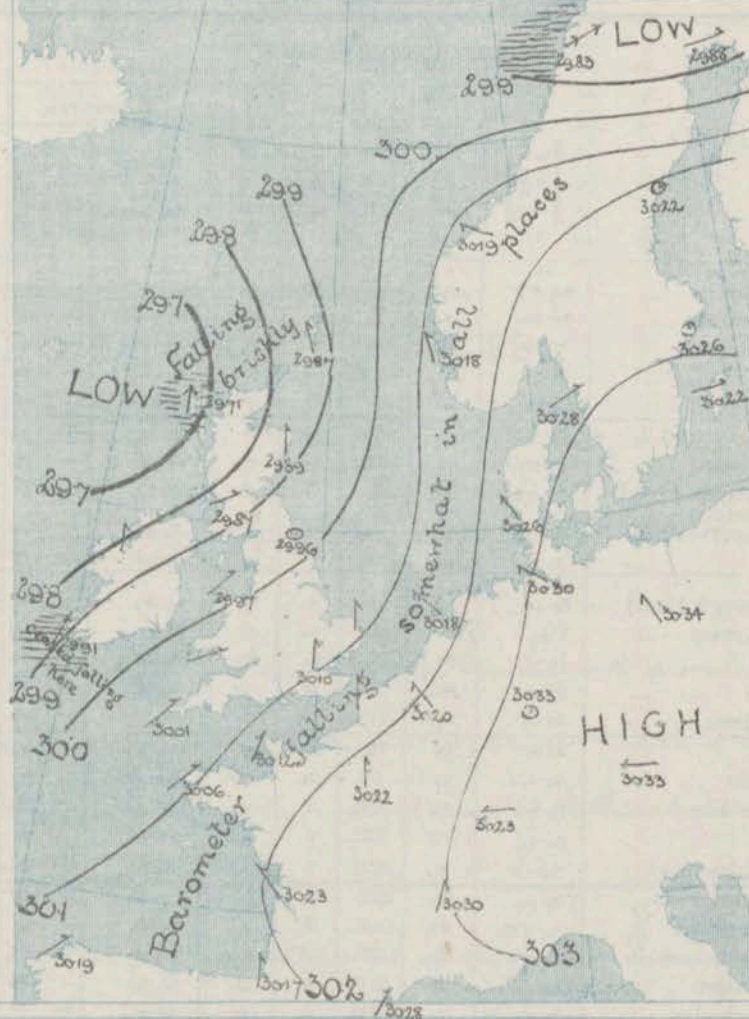
**Sea Disturbance** — where considerable is shown thus

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## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS
	in.
Sumburgh Head.	29.685
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Wick.	29.718
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Liverpool.	29.848
Valencia.	29.842
Roche's Point.	29.843
Pembroke.	29.847
Scilly.	29.877
Hurst Castle.	29.804
Dover.	29.907
LONDON.	29.902
Oxford.	29.891
Cambridge.	29.894
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.

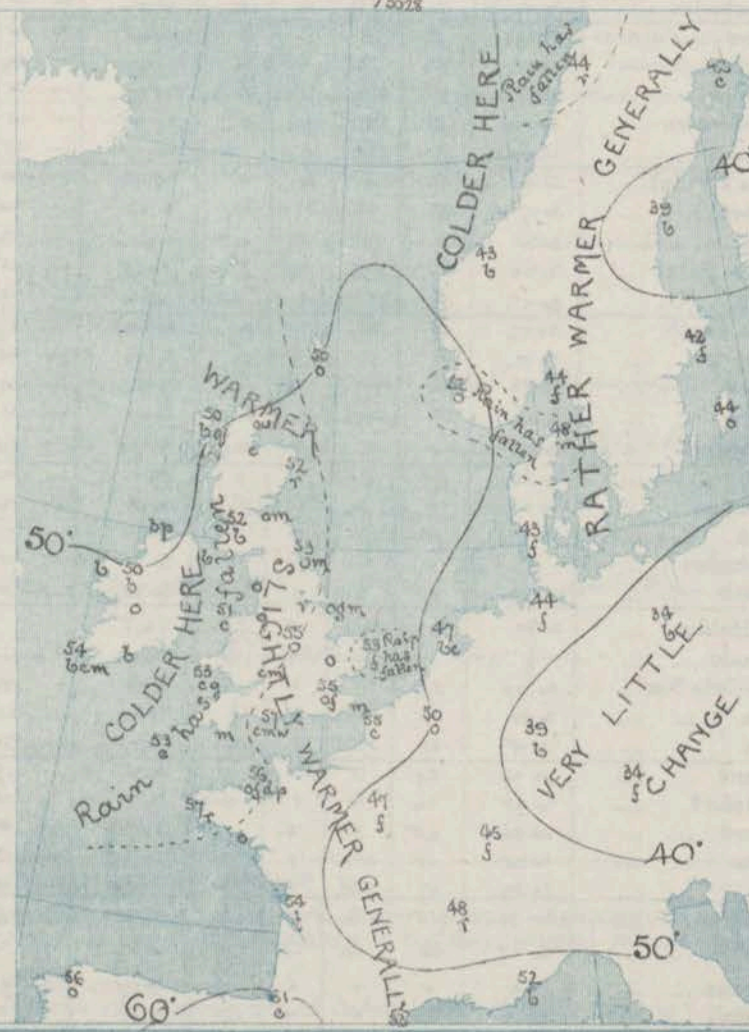
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of October

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min	At 8 a.m.	Wind	
Sumburgh Head	49.5	41.0	45.9	44.4	4.83
Stornoway	50.2	38.9	45.1	43.9	4.94
Wick	51.8	40.0	46.0	44.3	2.94
Nairn	51.4	40.7	44.6	42.5	2.38
Aberdeen	52.1	41.3	45.5	43.5	2.83
Leith	55.3	44.9	48.7	45.1	1.94
Shields	53.2	43.1	47.3	45.5	2.46
York	55.2	40.9	49.0	44.7	2.74
Ardrossan	53.7	43.2	47.7	45.4	4.81
Donaghadee	53.2	43.2	47.3	46.8	3.85
Holyhead	54.0	47.5	50.4	48.6	4.59
Liverpool	54.0	44.9	48.0	46.2	3.62
Valencia	56.7	46.5	51.3	49.1	8.09
Roche's Point	55.6	46.4	50.4	48.6	4.17
Pembroke	55.1	48.4	51.8	49.4	4.13
Scilly	56.8	50.7	53.9	52.0	3.81
Hurst Castle	57.7	46.8	51.5	50.5	3.24
Dover	56.2	47.8	51.5	49.4	3.28
LONDON	57.1	43.5	48.4	46.9	2.74
Oxford	55.7	42.9	47.0	45.8	2.72
Cambridge	57.0	41.6	46.6	45.7	2.36
Yarmouth	54.9	45.1	49.5	48.2	2.87

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.3 ins: and upwards over Germany, the east of France and the Baltic. Lowest, 29.7 ins: and less off the west of Scotland.
TEMPERATURE	Highest, 61° at Biarritz, and 57° at Hurst Castle, Dungeness and Lisbon. Lowest, 34° at Berlin and Munich, 39° at Helsingfors and Wiesbaden and 45° at Larnaca.
WIND	Moderate W <sup>ly</sup> in Sweden, and the north of Norway. Light SW in the south of our Islands, but S <sup>ly</sup> or SE <sup>ly</sup> elsewhere.
WEATHER	Fine at several of our western stations, but cloudy in the east, with rain at Aberdeen. Fog or mist reported at several of the Continental stations.
SEA	Rather rough at Hovsøy and Valencia, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The fall of the barometer noticed on our south-west coasts yesterday has extended to all parts of the Kingdom, and in the course of the past 24 hours a depression has moved in a northerly direction along the west coasts of Ireland and Scotland. This is now passing away to the northward, but the distribution of pressure is favourable for the advance of further disturbances from the southward.

## FORECASTS

For the 24 hours ending at NOON on 1<sup>st</sup> NOV<sup>r</sup>. 1886.

### 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 comes hoisted last evening in district 10.  
An asterisk is inserted against the district in which it is now flying.



# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes ...	30.22	52	51	S	4	r f	5	Holyhead ...	30.22	57	55	S	1	b	1
Sumburgh Head ...	30.21	52	50	L	0	b	3	Valencia ...	30.02	55	55	SE	5	omd	5
Stornoway ...	30.25	54	51	SE	3	b	3	Scilly ...	30.15	57	56	SE	5	of	5
Aberdeen ...	30.22	53	52	S	4	c	3	Dungeness ...	30.30	58	57	ESE	1	o	2
Shields ...	30.27	53	52	L	0	r	2	London ...	30.30	59	56	SSE	1	om	2
Ardrossan ...	30.19	54	52	SSE	1	c	2	Yarmouth ...	30.33	55	53	S	2	c	2
Malin Head ...	30.09	55	53	S	2	o	2	Jersey ...	30.24	58	57	ESE	1	c	1
Mullaghmore ...	30.07	56	54	SE	3	o	3	Rochefort ...	30.33	69	66	L	0	m	0
Belmullet ...	30.03	55	53	SSE	3	o	2								

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

(For conditions at 8am today see pp 2 and 3.)

Yesterday morning's observations showed <sup>that</sup> the Continental anticyclone had continued to move south-eastwards, and that its central area then lay over Hungary and Western Russia. Pressure varied from 30.4 ins. and upwards in the centre of the system to 30.1 ins. in the west of Ireland and to 29.9 ins. in the north-west of Norway. S<sup>3</sup> winds and dull, showery weather were prevalent in the west and north-west. SW<sup>3</sup> winds and showers in the north, and very variable light winds elsewhere, with fine weather in most places. Temperature ranged from about 40° over the south-eastern parts of the Mediterranean, 63° at Algiers, and between 50° and 56° over England, Ireland, and the south of France to rather below the freezing point in Hungary and Northern Russia. The highest individual values were 70° at Malta, 69° at Palermo, and 67° at Barcelona, the lowest 24° at Hermanstadt, 24° at Cracow, and 30° at Budapesth and Kuopio.

During the day the weather continued mild and showery over Western Europe, cold and fine in the east, and no change of importance occurred beyond a steady decrease of pressure in the west, with a tendency to extend eastwards over the Continent.

### 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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## CORRECTIONS AND ADDITIONS TO THE REPORTS FOR OCTOBER 1886

## 1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
				Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.			
1	Scilly .....	29.76	62	S	5	C	29.56	-.31	57	56	-.1	W	2	N	6	65	55	0.70		
"	" 2pm .....	"	"	"	"	"	29.51	"	57	52	"	W	5	N	6	"	"	"		
"	Corunna .....	"	"	"	"	"	29.84	+.31	56	55	-.1	W	1	N	4	62	51	0.39		
2	Scilly .....	29.53	52	W	5	N	29.75	+.19	60	57	+.3	SW	5	W	5	60	50	0.94		
"	" 2pm .....	"	"	"	"	"	29.76	"	62	58	"	SW	6	W	5	"	"	"		
"	Corunna .....	"	"	"	"	"	29.99	+.15	58	55	+.3	SW	3	W	4	66	52	"		
"	Lisbon .....	29.97	64	W	5	W	29.99	+.11	60	57	-.3	SW	3	W	4	70	59	"		
3	Scilly .....	29.76	59	SE	6	C	29.81	+.06	60	59	0	SE	6	W	6	63	58	0.01		
4	Scilly .....	29.82	59	ESE	5	O	29.74	-.07	57	57	0	E	4	W	4	63	56	0.01		
"	" 2pm .....	"	"	"	"	"	29.64	"	62	60	"	ESE	5	W	4	"	"	"		
"	Corunna .....	"	"	"	"	"	29.58	-.24	61	64	+.3	S	5	N	3	74	59	"		
5	Scilly .....	29.62	62	ESE	6	O	29.69	-.05	60	58	+.3	SE	5	W	5	62	55	0.01		
"	" 2pm .....	"	"	"	"	"	29.74	"	60	58	"	W	3	W	6	"	"	"		
6	Scilly .....	29.76	59	W	3	C	29.72	+.03	59	58	-.1	SE	5	W	4	64	55	0.01		
"	Corunna .....	"	"	"	"	"	29.88	+.05	62	58	+.4	SW	5	W	4	70	57	0.04		
"	Scilly 2pm .....	"	"	"	"	"	29.68	"	61	60	"	SW	4	W	4	"	"	"		
7	Scilly .....	29.69	59	SE	2	W	29.68	-.04	58	58	0	E	2	W	5	63	55	0.29		
"	" 2pm .....	"	"	"	"	"	29.73	"	60	58	"	ESE	2	W	5	"	"	"		
"	Corunna .....	"	"	"	"	"	29.95	+.07	58	56	-.2	SW	8	N	5	68	55	0.32		
8	Scilly .....	29.77	58	NE	2	C	29.95	+.17	58	56	0	W	1	W	3	63	55	0.01		
"	" 2pm .....	"	"	"	"	"	30.01	"	59	57	"	W	2	W	4	"	"	"		
"	The Helder .....	29.92	58	E	1	O	29.93	-.02	57	"	+.3	SE	1	W	0	61	54	"		
"	Corunna .....	"	"	"	"	"	30.15	+.20	57	55	-.2	N	4	W	4	64	52	0.39		
9	Scilly .....	30.00	55	SW	1	W	29.65	-.30	59	55	+.4	SE	6	W	5	61	54	"		
"	" 2pm .....	"	"	"	"	"	29.47	"	58	55	"	W	7	W	4	"	"	"		
"	Corunna .....	"	"	"	"	"	30.20	+.05	59	55	+.4	S	11	N	6	60	54	0.04		
"	Jersey 2pm .....	"	"	"	"	"	29.71	"	61	58	"	SE	5	W	4	"	"	"		
10	Scilly .....	29.66	58	W	6	C	29.78	+.13	54	50	-.4	W	7	W	6	61	50	0.20		
11	Scilly .....	29.78	57	W	5	O	29.93	+.15	58	55	+.3	W	5	W	6	58	50	0.41		
"	" 2pm .....	"	"	"	"	"	29.95	"	61	59	"	SW	5	W	6	"	"	"		
"	Corunna .....	"	"	"	"	"	30.27	+.01	55	52	0	SW	3	W	5	64	50	"		
12	Scilly .....	29.92	58	SW	5	C	29.50	-.43	57	56	-.1	S	7	N	6	62	55	0.02		
"	" 2pm .....	"	"	"	"	"	29.32	"	60	60	"	W	4	W	6	"	"	"		
13	Scilly .....	29.76	53	SW	1	N	29.52	+.02	55	50	+.5	W	8	W	6	61	51	0.42		
"	" 2pm .....	"	"	"	"	"	29.55	"	55	50	"	W	8	W	6	"	"	"		
"	Corunna .....	"	"	"	"	"	30.13	-.25	60	59	0	SW	4	W	4	70	55	0.35		
14	Scilly .....	29.58	54	W	8	C	29.80	+.23	56	52	+.4	W	7	W	6	56	49	0.11		
"	" 2pm .....	"	"	"	"	"	29.78	"	57	53	"	SW	4	W	6	"	"	"		
"	Corunna .....	"	"	"	"	"	30.19	+.06	58	56	-.2	SW	5	W	4	64	54	"		
15	Scilly .....	29.69	55	SE	5	O	29.19	-.61	57	53	+.4	SW	10	W	8	58	53	0.19		
"	" 2pm .....	"	"	"	"	"	29.23	"	57	52	"	W	10	W	8	"	"	"		
"	Corunna .....	"	"	"	"	"	30.09	-.10	62	60	+.2	W	7	W	5	62	51	0.08		
16	Scilly .....	29.27	56	W	10	O	28.96	-.31	52	50	-.2	W	11	N	8	57	48	0.18		
"	" 2pm .....	"	"	"	"	"	29.15	"	54	53	"	W	10	W	8	"	"	"		
"	Corunna .....	"	"	"	"	"	29.95	-.14	63	50	-.1	W	9	W	6	62	48	0.47		
"	Lisbon .....	30.25	65	W	5	C	30.08	-.17	63	62	0	W	7	N	5	70	63	0.04		
17	Scilly .....	29.30	55	W	10	O	29.27	+.03	50	45	-.5	W	7	W	6	56	47	0.03		
"	Petpignan .....	29.55	57	W	7	W	29.57	+.02	58	"	"	W	8	W	6	64	51	"		
"	Lyon .....	29.36	52	S	4	O	29.36	0	58	"	"	SW	4	N	4	61	49	0.47		
"	Nice .....	29.27	58	W	4	O	29.30	+.03	49	"	"	W	4	W	5	63	46	0.32		
18	Scilly .....	29.11	48	W	5	O	29.40	+.29	52	50	+.2	SE	4	W	5	52	44	0.22		
"	" 2pm .....	"	"	"	"	"	29.44	"	56	55	"	NE	6	W	6	"	"	"		
"	Corunna .....	"	"	"	"	"	29.37	-.07	56	53	-.3	W	9	W	6	59	48	0.79		
19	Scilly .....	29.49	54	NE	6	N	29.56	+.07	55	54	+.1	NE	5	W	5	56	50	0.08		
"	" 2pm .....	"	"	"	"	"	29.57	"	55	54	"	NE	5	W	5	"	"	"		
"	Corunna .....	"	"	"	"	"	29.55	+.15	53	52	-.1	W	5	N	6	59	46	0.75		
20	Scilly .....	29.57	55	NE	5	O	29.63	+.07	54	53	0	W	5	N	4	56	52	0.09		
"	" 2pm .....	"	"	"	"	"	29.74	"	54	53	"	W	5	N	4	"	"	"		
"	Lorient .....	29.50	52	NE	3	N	29.69	+.19	49	"	"	W	3	W	1	59	48	0.16		
"	Rocheport .....	29.59	58	E	5	E	29.74	+.15	57	"	"	SW	7	N	4	63	48	0.35		
"	Corunna .....	"	"	"	"	"	29.87	+.12	52	52	0	SW	3	N	5	61	50	1.10		
21	Scilly .....	29.78	53	W	5	C	29.95	+.17	53	52	0	SW	2	W	2	54	52	"		
"	" 2pm .....	"	"	"	"	"	29.98	"	55	54	"	W	2	W	2	"	"	"		
"	Corunna .....	"	"	"	"	"	30.13	+.26	55	53	+.2	SW	3	N	3	63	50	0.16		
22	Scilly .....	30.00	52	W	1	C	29.93	-.07	53	52	0	S	4	W	3	55	48	0.03		
"	Corunna .....	"	"	"	"	"	30.05	-.08	55	55	0	S	3	N	2	63	52	0.08		
23	Scilly .....	"	"	"	"	"	29.96	-.09	54	49	-.5	W	3	N	4	64	48	0.47		
24	Petpignan .....	29.55	61	S	5	W	29.98	+.02	59	"	"	SE	3	W	5	70	"	"		
25	Corunna .....	"	"	"	"	"	29.87	+.12	50	49	-.1	SE	3	W	3	63	46	0.79		
"	Brussels .....	"	"	"	"	"	30.09	-.17	88	"	"	ESE	4	W	"	51	46	"		



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 ...	29.819	49.1	45.5	52.3	48.9	40	23 <sup>rd</sup>	56	1 <sup>st</sup> + 4 <sup>th</sup>	0.307
	Wick ...	29.792	49.3	44.2	54.0	49.1	31	26 <sup>th</sup>	60	7 <sup>th</sup>	0.316
	Stornoway ...	29.749	47.5	42.5	55.1	48.8	33	28 <sup>th</sup>	66	5 <sup>th</sup>	0.304
1. SCOTLAND, E.	{ Nairn ...	29.769	46.6	41.3	55.2	48.3	29	26 <sup>th</sup>	66	5 <sup>th</sup>	0.287
	Aberdeen ...	29.804	49.2	45.5	54.6	50.1	34	15 <sup>th</sup>	62	2 <sup>nd</sup>	0.314
	Leith ...	29.788	49.5	45.1	56.3	50.7	34	23 <sup>rd</sup>	68	1 <sup>st</sup>	0.320
2. ENGLAND, N.E.	{ Shields ...	29.786	50.3	46.5	54.5	50.5	36	15 <sup>th</sup>	61	2 <sup>nd</sup>	0.336
	York ...	29.792	50.1	46.1	57.5	51.8	38	22 <sup>nd</sup>	69	4 <sup>th</sup>	0.336
	Spurn Head ...	29.784	52.6	49.3	56.1	52.7	44	11 <sup>th</sup>	62	2 <sup>nd</sup>	0.357
3. ENGLAND, E.	{ Yarmouth ...	29.799	52.9	48.8	57.6	53.2	41	14 <sup>th</sup>	66	1 <sup>st</sup>	0.359
	Cambridge ...	29.803	51.3	45.6	60.5	53.1	37	14 <sup>th</sup>	80	1 <sup>st</sup> 4 <sup>th</sup> + 5 <sup>th</sup>	0.352
4. MIDLAND COUNTIES.	{ Loughborough ...	29.791	49.7	46.2	58.7	52.5	36	22 <sup>nd</sup> + 23 <sup>rd</sup>	77	4 <sup>th</sup> + 5 <sup>th</sup>	0.333
	Oxford ...	29.793	50.5	47.1	58.4	52.8	36	22 <sup>nd</sup> + 23 <sup>rd</sup>	76	5 <sup>th</sup>	0.339
5. ENGLAND, S.	{ London ...	29.799	51.8	47.7	60.6	54.2	39	18 <sup>th</sup> + 22 <sup>nd</sup>	80	4 <sup>th</sup>	0.341
	Dungeness ...	29.795	53.6	48.9	60.7	54.8	36	18 <sup>th</sup>	70	1 <sup>st</sup>	0.377
	Hurst Castle ...	29.778	53.6	49.6	59.8	54.7	40	18 <sup>th</sup> + 22 <sup>nd</sup>	70	4 <sup>th</sup>	0.386
6. SCOTLAND, W.	Ardrossan ...	29.764	50.5	47.3	55.3	51.3	39	22 <sup>nd</sup> + 23 <sup>rd</sup>	64	4 <sup>th</sup> + 5 <sup>th</sup>	0.322
7. ENGLAND, N.W.	{ *Hawes Junction ...	28.547	46.8	43.2	52.0	47.6	35	23 <sup>rd</sup>	60	3 <sup>rd</sup> + 7 <sup>th</sup>	0.310
	Barrow-in-Furness ...	29.766	51.4	48.5	56.0	52.3	41	26 <sup>th</sup>	68	5 <sup>th</sup>	0.329
	Liverpool Obs <sup>2</sup> (Bidston) ...	29.764	50.8	48.1	56.7	52.4	40	26 <sup>th</sup>	72	5 <sup>th</sup>	0.325
	Holyhead ...	29.744	52.5	49.8	57.3	53.6	42	22 <sup>nd</sup>	71	5 <sup>th</sup>	0.346
8. ENGLAND, S.W.	{ Pembroke ...	29.738	53.4	50.4	56.8	53.6	42	27 <sup>th</sup>	66	4 <sup>th</sup>	0.372
	Prawle Point ...	29.764	53.8	49.2	57.8	53.5	39	18 <sup>th</sup> + 19 <sup>th</sup>	67	8 <sup>th</sup>	0.371
9. IRELAND, N.	{ Malin Head ...	29.711	49.7	46.6	54.5	50.6	37	22 <sup>nd</sup>	64	5 <sup>th</sup>	0.321
	Donaghadee ...	29.753	50.2	44.8	55.2	50.0	32	22 <sup>nd</sup>	62	5 <sup>th</sup>	0.337
	Mullaghmore ...	29.711	50.5	47.2	56.2	51.7	41	10 <sup>th</sup> + 20 <sup>th</sup>	65	3 <sup>rd</sup> + 5 <sup>th</sup>	0.319
	Belmullet ...	29.709	50.0	46.4	55.6	51.0	35	26 <sup>th</sup>	64	4 <sup>th</sup> + 5 <sup>th</sup>	0.312
10. IRELAND, S.	{ Parsonstown ...	29.732	48.3	43.0	56.3	49.7	32	22 <sup>nd</sup>	66	5 <sup>th</sup>	0.296
	Valencia ...	29.724	52.5	48.0	57.7	52.9	36	27 <sup>th</sup>	65	4 <sup>th</sup> + 6 <sup>th</sup>	0.347
	Roche's Point ...	29.719	52.5	48.2	57.6	52.9	41	17 <sup>th</sup> + 26 <sup>th</sup> + 27 <sup>th</sup>	65	7 <sup>th</sup>	0.344
CHANNEL ISLANDS.	{ Scilly (St. Mary's) ..	29.729	55.5	51.3	58.2	54.8	44	18 <sup>th</sup>	64	5 <sup>th</sup>	0.389
	Jersey (Noirmont) ...	29.780	55.5	52.1	59.9	56.0	44	18 <sup>th</sup>	71	1 <sup>st</sup>	0.400

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

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STATIONS in the BRITISH ISLANDS during the Month of **OCTOBER 1886**  
 Thunderstorms and Gales are counted irrespective of the hours at which they occurred.  
 Latitude, beginning in each case with the Station lying furthest North.)

Relative Humidity	Amount of Cloud	Rainfall.			Weather							Wind								
		Total Fall in the month	Maximum Fall in one day	Date	No. of Days of							No. of Observation of								
					Rain	Snow	Hail	Thunderstorms	Clear Sky	Overcast	Gales	North	N.E.	East	S.E.	South	S.W.	West	N.W.	Calms
%		ins.	in.																	
88	8.2	2.76	0.63	21 <sup>st</sup>	20	0	0	0	2	19	0	2	3	2	9	6	1	1	0	7
90	7.6	1.66	0.28	20 <sup>th</sup>	18	0	0	0	4	17	2	1	0	3	5	11	3	5	2	1
93	5.0	4.29	1.23	16 <sup>th</sup>	21	0	1	0	10	7	4	3	4	4	2	4	6	2	1	5
90	6.7	1.46	0.29	3 <sup>rd</sup> 16 <sup>th</sup>	17	0	0	0	4	10	0	0	2	4	1	7	4	2	0	11
91	7.5	2.48	0.41	21 <sup>st</sup>	21	0	0	0	5	18	3	2	1	2	7	8	4	4	1	2
90	7.9	2.81	0.53	16 <sup>th</sup>	20	1	0	0	3	18	0	2	1	4	8	3	2	7	1	3
92	9.1	2.94	0.86	1 <sup>st</sup>	18	0	0	2	0	23	1	0	5	6	3	3	5	3	0	6
93	7.1	3.88	0.95	6 <sup>th</sup>	21	0	0	2	8	17	0	3	4	6	5	5	2	4	1	1
89	5.6	2.04	0.43	12 <sup>th</sup>	12	0	0	2	7	7	4	2	3	7	6	4	3	5	1	0
90	4.1	2.31	0.71	12 <sup>th</sup>	14	0	1	2	14	4	4	1	1	7	5	5	2	6	1	3
93	6.5	2.76	0.99	20 <sup>th</sup>	16	0	0	2	10	17	0	3	6	3	3	5	4	2	1	4
94	8.5	4.48	0.69	20 <sup>th</sup>	20	0	1	3	2	22	0	1	3	5	8	2	2	5	1	4
93	6.9	3.29	0.42	15 <sup>th</sup>	21	0	0	1	8	17	1	3	5	2	4	5	7	2	1	2
88	7.0	1.85	0.38	12 <sup>th</sup>	17	0	0	0	9	19	5	0	2	4	6	3	2	5	1	8
91	7.5	2.92	0.83	15 <sup>th</sup>	21	0	0	0	2	14	6	1	1	4	6	5	3	3	8	0
93	6.7	5.22	0.85	6 <sup>th</sup>	26	0	0	2	2	6	6	3	5	9	2	0	3	6	3	0
87	6.2	2.51	0.57	11 <sup>th</sup>	20	0	1	0	9	13	2	2	8	8	0	3	4	4	2	0
94	9.0	8.30	1.28	1 <sup>st</sup>	26	0	0	1	2	25	0	1	6	9	3	7	4	0	0	1
87	6.8	6.60	1.56	12 <sup>th</sup>	19	0	1	1	3	15	2	3	11	4	1	7	5	2	2	0
87	7.0	4.98	0.97	1 <sup>st</sup>	21	0	0	2	7	17	0	1	4	8	7	2	4	3	1	1
88	5.5	4.57	0.85	12 <sup>th</sup>	19	0	0	2	10	5	2	1	6	5	3	4	5	3	2	2
92	7.0	5.55	1.00	15 <sup>th</sup>	24	0	0	0	0	7	3	1	5	5	5	3	4	3	4	1
89	6.5	7.20	0.95	25 <sup>th</sup>	25	0	0	3	2	8	10	3	5	1	7	4	3	4	4	0
90	7.2	3.15	0.89	11 <sup>th</sup>	19	0	0	0	3	16	2	2	4	2	6	10	4	1	2	0
93	6.6	4.46	0.94	14 <sup>th</sup>	17	0	0	0	6	13	4	0	4	7	4	4	7	4	1	0
84	6.0	4.42	1.10	15 <sup>th</sup>	18	0	0	0	5	5	7	1	3	8	7	4	3	2	2	1
87	5.7	5.82	1.74	15 <sup>th</sup>	21	0	0	0	10	11	4	3	3	8	5	2	5	4	1	0
88	6.8	4.41	1.37	15 <sup>th</sup>	17	0	0	0	6	16	0	0	0	1	6	1	5	0	4	14
88	7.3	7.39	1.28	14 <sup>th</sup>	22	0	1	1	4	17	6	4	5	2	4	4	4	3	2	3
87	6.4	7.07	1.26	14 <sup>th</sup>	21	0	0	1	6	12	5	3	4	3	4	2	6	6	3	0
88	8.3	4.38	0.94	1 <sup>st</sup>	28	0	0	0	0	17	6	1	4	5	4	5	3	4	5	0
91	6.9	7.61	0.96	5 <sup>th</sup>	26	0	0	3	4	12	4	0	3	4	7	3	6	4	4	0

Barometric Observations at this Station are not corrected for altitude.



## 1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY—(continued.)

[illegible]