

METEOROLOGICAL OFFICE

LONDON.

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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 Wednesday 1<sup>st</sup> September 1886.

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

Issued by the Meteorological Office, No. 1, Abchurch Lane, London, E.C. 4, Saturday.																		
STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.	
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Weather.	Max.		Min.
SCANDINAVIA.																		
Haparanda ..	30.13	45	L	0	b	30.00	-.06	55	53	+ 6	S	4	o	*	59	36	—	
Hernösand ...	30.08	50	S	2	b	29.94	-.20	57	55	+ 2	S	2	c	*	66	48	—	
Stockholm ...	30.18	57	S	2	b	30.13	-.02	65	61	+ 6	S	2	b	*	68	50	—	
Wisby ...	30.14	57	E	4	bc	30.14	-.08	62	59	0	W	4	bc	*	70	54	—	
Bodö ...	29.75	58	E	1	o	29.78	-.19	54	53	+ 2	WSW	2	o	1	61	50	0.24	
Christiansund...	29.85	59	ENE	1	f	29.85	-.22	54	53	- 6	SE	1	c	1	72	50	0.67	
Skudesnaes ...	30.02	60	SSW	8	o	29.98	-.04	59	58	- 2	SSE	8	f	5	72	57	—	
Christiania Fjord (Fierder)	29.85	59	SSE	4	f	29.05	-.05	60	59	0	WSW	4	f	2	61	59	—	
Skagen (The Seaw)	30.13	62	S	3	m	30.11	-.02	60	59	+ 3	W	3	m	2	66	55	—	
Fanö ...	30.16	63	L	0	b	30.12	?	65	64	+ 1	S	2	b	*	77	55	—	
BRITISH ISLANDS.																		
Sumburgh Head	29.81	56	SW	1	c	29.84	+ .17	54	53	- 1	W	1	b	1	60	51	0.03	
Stornoway ...	29.78	57	SSW	5	p	29.82	+ .14	54	52	- 1	SW	5	bp	4	59	51	0.04	
Wick ...	29.83	64	W	2	bc	29.86	+ .12	55	53	- 5	S	1	bc	0	68	49	—	
Nairn ...	29.86	63	W	2	b	29.89	+ .17	58	55	- 5	SW	2	bc	1	69	51	—	
Aberdeen...	29.88	65	SSW	2	c	29.93	+ .15	57	55	- 5	SW	1	b	1	69	51	—	
Leith ...	29.93	60	WNW	2	o	29.98	+ .17	61	58	- 4	SW	1	bm	*	69	55	0.06	
Shields ...	29.97	72	SW	3	c	30.03	+ .12	62	59	0	W	2	b	2	75	60	—	
Spurn Head ...	30.03	65	SE	2	b	30.08	+ .06	65	63	0	SW	2	bm	2	77	59	—	
York ...	30.01	74	S	1	b	30.06	+ .07	62	60	+ 1	S	1	m	*	80	58	—	
Loughborough	30.02	77	WSW	2	b	30.10	+ .05	65	62	+ 3	SSW	3	cur	*	83	58	—	
Ardrossan ...	29.93	57	S	2	o	30.01	+ .20	57	56	- 2	SSW	4	b	3	61	54	0.10	
Malin Head ...	29.90	58	W	2	cm	30.02	+ .21	56	53	- 6	SW	4	c	4	67	54	0.01	
Mullaghmore ...	29.93	60	W	3	om	30.04	+ .23	56	54	- 3	SSW	2	bm	2	66	55	—	
Belmullet ...	29.93	59	SSW	2	c	30.04	+ .23	56	54	- 4	WSW	5	o	*	62	54	0.01	
Donaghadee ...	29.95	60	SSW	2	o	30.06	+ .23	57	56	- 3	WSW	3	b	1	63	56	0.05	
GERMANY.																		
Barrow-in-Furness	30.00	64	SSW	2	c	30.06	+ .10	58	57	- 2	SSW	3	c	*	64	57	0.14	
Liverpool (Bidston)	30.01	69	SW	2	b	30.10	+ .11	59	57	- 4	W	3	bc	3	75	59	0.04	
Holyhead ...	30.00	61	S	4	m	30.10	+ .16	57	56	- 3	WNW	3	b	4	63	54	0.22	
Parsonstown ...	29.97	64	L	0	bc	30.11	+ .23	57	55	- 1	SW	1	c	*	64	50	0.15	
Valencia ...	30.01	62	WSW	3	bc	30.11	+ .26	59	56	+ 1	WSW	2	bc	2	65	52	0.02	
Roche's Point...	29.97	61	WSW	2	c	30.14	+ .26	55	53	- 5	NNW	1	b	3	64	48	0.10	
Pembroke ...	30.04	62	S	4	o	30.13	+ .13	58	57	- 2	NNW	2	b	1	63	57	0.03	
Scilly ...																		
Prawle Point ...	30.13	60	SW	3	c	30.15	+ .08	60	60	+ 2	SW	1	m	2	65	57	0.01	
Jersey ...	30.11	60	NNW	3	f	30.15	+ .07	60	60	0	N	1	af	1	71	57	—	
Hurst Castle ...	30.11	62	WSW	3	f	30.15	+ .07	63	61	+ 2	NNW	1	m	0	72	54	—	
Dungeness ...	30.09	72	L	0	b	30.09	+ .02	71	65	+ 6	L	0	m	0	75	59	—	
London ...	30.09	77	SSW	2	b	30.13	+ .04	64	61	- 1	SW	1	b	*	87	58	—	
Oxford ...	30.09	70	S	3	b	30.14	+ .06	60	59	- 2	WSW	1	om	*	82	58	—	
Cambridge ...	30.09	75	S	1	b	30.12	+ .05	64	62	- 1	SW	1	b	*	86	57	—	
Yarmouth ...	30.09	68	SSE	2	b	30.11	+ .04	71	66	+ 4	WNW	1	b	1	72	64	—	
Cuxhaven ...	30.21	70	WNW	2	b	30.21	+ .03	68	66	+ 7	ENE	1	b	*	74	?	—	
Berlin ...	30.20	78	L	0	b	30.25	+ .09	69	62	0	ESE	1	b	*	82	63	—	
Wiesbaden ...	*	*	*	*	*	30.23	+ .03	67	63	0	L	0	b	*	86	59	—	
Munich ...	30.28	67	NE	1	b	30.26	.00	65	63	- 2	E	1	b	*	79	57	—	
FRANCE & NETHERLANDS.																		
The Helder ...	30.14	71	S	1	b	30.13	+ .04	71	68	+ 3	S	1	b	1	77	64	—	
Brussels ...	*	*	*	*	*	30.15	+ .02	76	66	+ 3	S	1	m	*	88	68	—	
Cape Gris Nez...	30.09	77	L	0	b	30.11	+ .02	70	67	+ 5	L	0	m	0	82	59	—	
Paris ...																		
Brest ...	30.12	65	SSW	3	m	30.04	-.04	62	59	+ 2	SE	3	o	3	66	54	—	
Lorient ...	30.13	68	WNW	3	o	30.15	+ .04	59	59	- 3	N	4	f	2	73	54	—	
Rocheport ...	30.14	73	W	1	b	30.16	+ .03	68	68	0	ENE	1	b	0	93	63	—	
Belfort ...	30.24	78	E	3	b	30.18	+ .06	71	64	+ 1	E	3	b	*	82	57	—	
Lyons ...	30.12	81	SSE	1	b	30.16	-.02	69	64	+ 4	SSW	1	b	*	87	62	—	
Nice ...	30.13	76	SSW	1	b	30.13	-.02	76	60	+ 1	ENE	3	b	1	88	68	—	
Perpignan ...	30.15	70	NE	3	b	30.15	-.01	65	64	- 1	L	0	b	*	78	61	—	
Biarritz ...	30.11	72	N	3	m	30.15	+ .05	69	67	0	NE	3	o	1	84	68	—	
PENINSULA.																		
Corunna ...																		
Lisbon ...	30.05	?	NNW	?	?	30.06	+ .01	66	60	- 2	NNW	3	b	2	82	64	—	

For Explanation of Columns, see p. 4.

# WEATHER CHARTS

for 8 a.m. on

WEDNESDAY

1<sup>st</sup> SEPTEMBER

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.

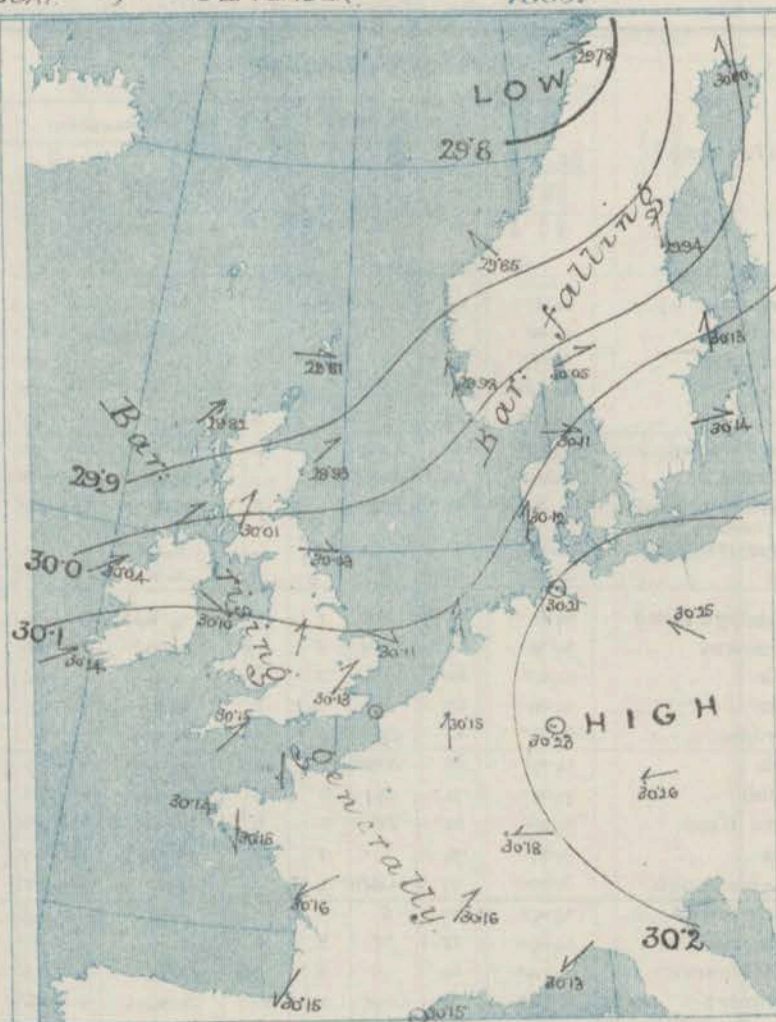
**Sea Disturbance** — where considerable is shown thus

▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.758
Stornoway	29.781
Wick	29.786
Nairn	29.812
Aberdeen	29.815
Leith	29.851
Shields	29.876
York	29.913
Ardrossan	29.858
Donaghadee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roche's Point	29.923
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.966
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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.

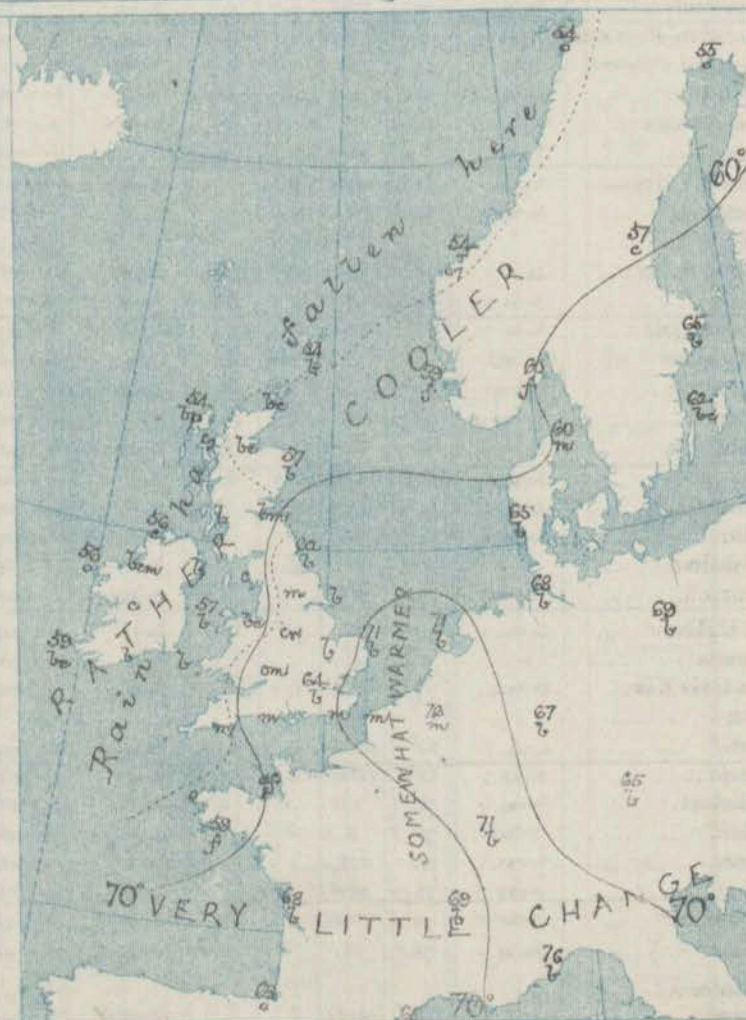
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE.				RAINFALL. (Inches).
	Daily Max.	Daily Min.	At 5 a.m.		
			Dry.	Wet.	
Sumburgh Head	55.2	45.2	50.6	49.0	3.46
Stornoway	55.9	45.4	51.0	49.7	4.13
Wick	57.5	46.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	49.8	2.73
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.8	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.5	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	66.9	49.3	56.4	54.0	2.59
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

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 (30.15 ins to 30.25 ins) over Bay of Biscay, Germany and France.  
Lowest (about 29.8 ins) off the north of Scotland and north-west of Norway.  
Gradients slight, especially in the south; barometer rising generally.

TEMPERATURE

Highest ( $65^{\circ}$  to  $70^{\circ}$ ) over Germany and France.  
Lowest ( $54^{\circ}$ ) in Hebrides, Shetlands and west of Norway.  
Readings are rather lower over our islands than they were yesterday.

WIND

Light W<sup>ly</sup> and SW<sup>ly</sup> in our islands, S<sup>ly</sup> and SE<sup>ly</sup> in Scandinavia.  
Very light and variable in France and Germany. There is a SSE<sup>ly</sup> gale at Mendocino, locally.

## WEATHER

Time at all but the extreme northern stations where sky is cloudy and some rain is reported. Fog or haze is reported at several of the southern and central stations.

SEA

Rather rough at Skudenes, moderate on several parts of our western and north-western coasts, smooth elsewhere especially in the Channel.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions recently noticed off our western coast have all passed away to the northward, and the barometer has risen generally. As the rise has been greater in the south-west than elsewhere, the high-pressure area in the south has extended westwards over the Bay of Biscay. The winds over our islands have veered, and the weather in the west has improved. As there is no indication of the approach of any new depression the high-pressure area will probably spread northwards over England and Ireland, and very fine warm weather will continue.

## FORECASTS

for the 24 hours ending at NOON on 2<sup>nd</sup> September 1886.

DISTRICTS.

## FORECASTS.

### DISTRICTS.

## FORECASTS.

O { SCOTLAND  
NORTH

SW<sup>ly</sup> and W<sup>ly</sup> breezes, light, fine.

SCOTLAND  
EAST

D<sup>o</sup> ..... D<sup>o</sup>

2 (ENGLAND  
( N.E.

Same as N<sup>o</sup> 5.

3 (ENGLAND  
EAST

Same as N<sup>o</sup>. 5.

MIDLAND  
COUNTIES

Same as N<sup>o</sup> 5.

5 } ENGLAND  
SOUTH

Light and varying breezes, fine, warm.

6 { SCOTLAND  
WEST

Same as N° 0.

7 } ENGLAND  
N. W.

W<sup>ly</sup> breezes, light, fine, rather cooler.

B { ENGLAND  
S.W

$-D^{\circ}, - - - - - D^{\circ},$

9 { IRELAND  
NORTH

W<sup>ly</sup> and SW<sup>ly</sup> breezes; light, fine.

10 } IRELAND  
SOUTH

D<sup>o</sup>. - - - - - D<sup>o</sup>.

## WARNINGS

None issued.

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	29.99	65	61	SSE. 8	o	5	Holyhead ...	29.99	61	61	SSW 5	mq	4
Sumburgh Head	29.78	58	56	SW 3	o	3	Valencia ...	29.96	62	61	NNW 3	cm	3
Stornoway ...	29.75	59	57	SSW 6	bc	5	Scilly ...	...	...	...	...	...	...
Aberdeen ...	29.82	66	63	SW 4	o	2	Dungeness ...	30.08	72	67	SW 1	m	1
Shields ...	29.96	74	65	SW 4	c	2	London ...	30.06	85	72	S 4	b	2
Ardrossan ...	29.90	58	58	S 3	o	3	Yarmouth ...	30.09	69	65	SSE 3	b	2
Malin Head ...	29.88	63	60	W 2	bc	4	Jersey ...	30.09	68	65	NNW 2	b	2
Mullaghmore ...	29.89	65	59	WSW 3	bm	2	Rocheport ...	30.16	88	75	NW 1	b	0
Belmullet ...	29.90	62	60	SW 3	c	7							

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

Yesterday morning Continental and British Reports showed that a large anticyclone lay over the Baltic, Central, and Western Europe, while slight gradients prevailed - for SW<sup>ly</sup> and S<sup>ly</sup> winds over the United Kingdom and North Sea - and for N<sup>ly</sup> winds over Western Russia. The wind was consequently more or less S<sup>ly</sup> over Northwestern Europe, and N<sup>ly</sup> in Russia and the Baltic, while variable air and calms prevailed over Central Europe and France. Temperature was high except in Finland and Western Russia; the morning values ranging from rather above 77° in the south-east of Italy, and from between 70° and 75° on the northern shores of the Mediterranean to rather below 50° over Northern Europe. The highest individual readings were 79° at Algiers and Brindisi, 78° at Rome, 75° at Sanguinaria and Nice, and 73° at Trieste; the lowest 49° at Naparanda and Helsingfors, 48° at Kuopio (Finland) and 43° at Archangel. The weather was very fine and bright except in the extreme north-west.

During the day the barometer rose in the extreme north-west, and the weather had begun to improve in Ireland and the north-west of Scotland. Temperature rose rapidly, especially at the inland stations, reaching 93° at Rochefort, and 82° to 88° over Central France and 80° to 87° over England. Over Central Ireland however, the thermometer did not rise above 64°. The succeeding night was less cool than of late, the minimum temperatures being 58° in London, Oxford and Loughborough.

For conditions at 8 am today see pp 3 and 4.

### 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 2<sup>nd</sup> September

1886.

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

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STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		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 ..	29.76	57	S	2	0	29.62	- .38	57	55	+ 2	NW	2	0	8	57	41	In.	
Hernösand ...	29.74	65	2	0	6	29.89	- .05	59	55	+ 2	NW	4	0	4	70	48	0.16	
Stockholm ...	29.95	61	3	2	6	29.98	- .15	68	63	+ 3	NW	4	6	4	75	55	-	
Wisby ...	30.02	62	WSW	4	6	29.99	- .15	69	63	+ 7	WSW	4	6	8	70	59	-	
Bodö ...	29.73	52	SW	4	1	29.74	- .04	48	47	- 6	WSW	4	1	2	57	46	0.44	
Christiansund...	29.82	55	NW	8	0	29.95	+ .10	52	50	- 2	W	2	1	2	55	48	0.59	
Skudesnaes ...	29.99	58	2	0	0	30.03	+ .05	59	57	0	SSW	1	0	3	61	51	-	
Christiania Fjord (Fjorder)	29.95	60	ESE	6	5	29.99	- .06	61	59	+ 1	WSW	2	6	2	?	89	-	
Skagen (The Scaw)	30.04	63	SSW	2	6	30.04	- .04	60	59	0	W	2	6	1	75	59	-	
Fanö ...	30.09	66	SW	1	6	30.04	- .08	61	60	- 4	NE	2	6	4	73	59	0.28	
BRITISH ISLANDS.																		
Sumburgh Head	29.87	54	W	3	6	29.98	+ .14	53	52	- 1	W	3	6	2	58	48	0.02	
Stornoway ...	29.87	56	SW	4	6	30.02	+ .20	50	49	- 4	WSW	3	1	2	60	43	0.13	
Wick ...	29.90	53	W	1	6	30.05	+ .19	57	52	+ 2	NW	1	6	0	66	44	0.03	
Nairn ...	29.94	57	SW	2	6	30.04	+ .15	58	51	- 5	2	0	6	1	64	47	-	
Aberdeen...	29.99	60	SW	2	6	30.06	+ .13	55	51	- 2	NW	1	6	0	70	47	-	
Leith ...	30.04	60	W	2	m	30.09	+ .11	55	52	- 6	NW	1	6	4	67	53	-	
Shields ...	30.06	64	NW	8	0	30.10	+ .07	56	52	- 6	W	2	0	2	69	53	-	
Spurn Head ...	30.08	65	NW	3	6	30.10	+ .02	57	56	- 8	N	4	6	2	72	55	0.13	
York ...	30.06	62	W	1	6	30.12	+ .06	55	54	- 7	N	1	m	4	72	53	0.04	
Loughborough	30.10	65	ESE	1	0	30.13	+ .03	56	54	- 9	NW	1	0	4	74	54	0.02	
Ardrossan ...	30.04	58	SSW	3	6	30.09	+ .08	55	55	- 2	SEW	2	6	2	63	53	-	
Malin Head ...	30.00	56	W	5	6	30.09	+ .07	55	55	- 1	NW	2	0	2	58	51	0.13	
Mullaghmore ...	30.07	57	WSW	5	0	30.12	+ .08	52	51	- 4	SEW	4	0	2	62	49	0.01	
Belmullet ...	30.06	57	SW	3	0	30.15	+ .11	54	51	- 2	NW	2	6	4	60	49	0.11	
Donaghadee ...	30.09	58	WSW	2	6	30.12	+ .06	56	55	- 1	SW	2	6	0	65	49	0.05	
Barrow-in-Furness	30.12	58	SW	2	0	30.13	+ .07	56	54	- 2	W	1	0	4	64	55	-	
Liverpool (Bidston)	30.14	59	NW	1	6	30.13	+ .03	57	54	- 2	NW	1	0	2	63	56	-	
Holyhead ...	30.13	58	SEW	2	0	30.13	+ .03	55	53	- 2	SEW	2	0	2	63	52	-	
Parsonstown ...	30.15	58	2	0	0	30.16	+ .05	56	54	- 1	2	0	6	4	62	51	-	
Valencia ...	30.17	59	WSW	3	6	30.18	+ .04	57	56	- 2	2	0	6	1	63	51	0.11	
Roche's Point...	30.16	60	WSW	3	6	30.17	+ .03	57	54	+ 2	NW	1	6	2	65	49	-	
Pembroke ...	30.15	58	NW	2	0	30.14	+ .01	57	55	- 1	NW	2	6	1	61	55	0.01	
Seilly ...	30.13	62	N	1	5	30.13	- .02	58	54	- 2	N	1	6	1	64	55	0.02	
Prawle Point ...	30.12	63	NW	3	6	30.09	- .06	52	61	+ 2	NNE	1	6	1	69	59	-	
Jersey ...	30.10	65	SW	4	6	30.08	- .07	62	61	- 1	NW	2	6	1	71	59	-	
Hurst Castle ...	30.08	68	W	3	6	30.07	- .02	63	62	- 8	N	1	6	1	73	58	-	
Dungeness ...	30.08	74	NW	2	6	30.08	- .05	62	57	- 2	N	1	0	4	85	60	-	
London ...	30.11	66	SW	1	6	30.12	- .02	55	54	- 5	NW	2	0	4	73	55	0.06	
Oxford ...	30.09	70	W	1	6	30.10	- .02	57	55	- 7	N	1	0	4	80	55	-	
Cambridge ...	30.09	67	NNE	2	6	30.06	- .05	62	61	- 9	NW	3	6	2	74	57	-	
Yarmouth ...	30.16	77	ESE	1	6	30.11	- .10	71	70	+ 3	NE	1	6	4	82	68	-	
Cuxhaven ...	30.16	78	2	0	m	30.13	- .12	71	64	+ 2	SE	1	6	4	84	66	-	
Berlin ...	30.22	67	2	0	6	30.20	- .06	67	64	+ 2	SW	2	6	4	79	57	-	
Wiesbaden ...	30.10	70	W	1	6	30.01	- .12	70	65	- 1	N	1	6	1	81	68	-	
Munich ...	30.09	66	SW	1	m	30.02	- .13	71	66	- 5	SW	1	m	1	88	66	-	
The Helder ...	30.08	79	E	1	6	30.07	- .07	62	60	- 19	NNE	1	0	1	83	59	-	
Brussels ...	30.12	64	N	4	m	30.11	- .03	59	57	- 3	N	5	0	4	70	57	-	
Cape Gris Nez...	30.11	70	NW	1	6	30.08	- .04	59	59	0	NE	4	6	2	77	54	-	
Paris ...	30.11	72	NW	4	6	30.10	- .06	68	64	0	SE	4	6	2	93	61	-	
Brest ...	30.13	83	E	1	6	30.12	- .06	71	64	0	E	1	6	2	87	61	-	
Lorient ...	30.09	80	ESE	1	6	30.07	- .06	78	60	+ 2	ESE	3	6	0	88	70	-	
Rocheport ...	30.10	72	NE	1	6	30.10	- .05	65	61	0	E	1	6	3	83	56	-	
Belfort ...	30.05	73	NE	4	6	30.08	- .07	71	68	+ 2	NW	3	6	1	77	68	-	
Lyons ...	30.05	73	NE	4	6	30.08	- .07	71	68	+ 2	NW	3	6	1	77	68	-	
Nice ...	30.05	73	NE	4	6	30.08	- .07	71	68	+ 2	NW	3	6	1	77	68	-	
Perpignan ...	30.05	73	NE	4	6	30.08	- .07	71	68	+ 2	NW	3	6	1	77	68	-	
Biarritz ...	30.05	73	NE	4	6	30.08	- .07	71	68	+ 2	NW	3	6	1	77	68	-	
Corunna ...	30.05	73	NE	4	6	30.08	- .07	71	68	+ 2	NW	3	6	1	77	68	-	
Lisbon ...	30.05	73	NE	4	6	30.08	- .07	71	68	+ 2	NW	3	6	1	77	68	-	

† Reports not received. noon.

For Explanation of Columns, see p. 4.

‡ Received too late for insertion in charts.

# WEATHER CHARTS

for 8 a.m. on Thursday, 2<sup>nd</sup> SEPTEMBER 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 September  
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Samburgh Head	29.758
Stornoway	29.781
Wick	29.786
Nairn	29.812
Aberdeen	29.815
Leith	29.851
Shields	29.876
York	29.913
Ardrossan	29.858
Donaghadee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roche's Point	29.923
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.956
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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.

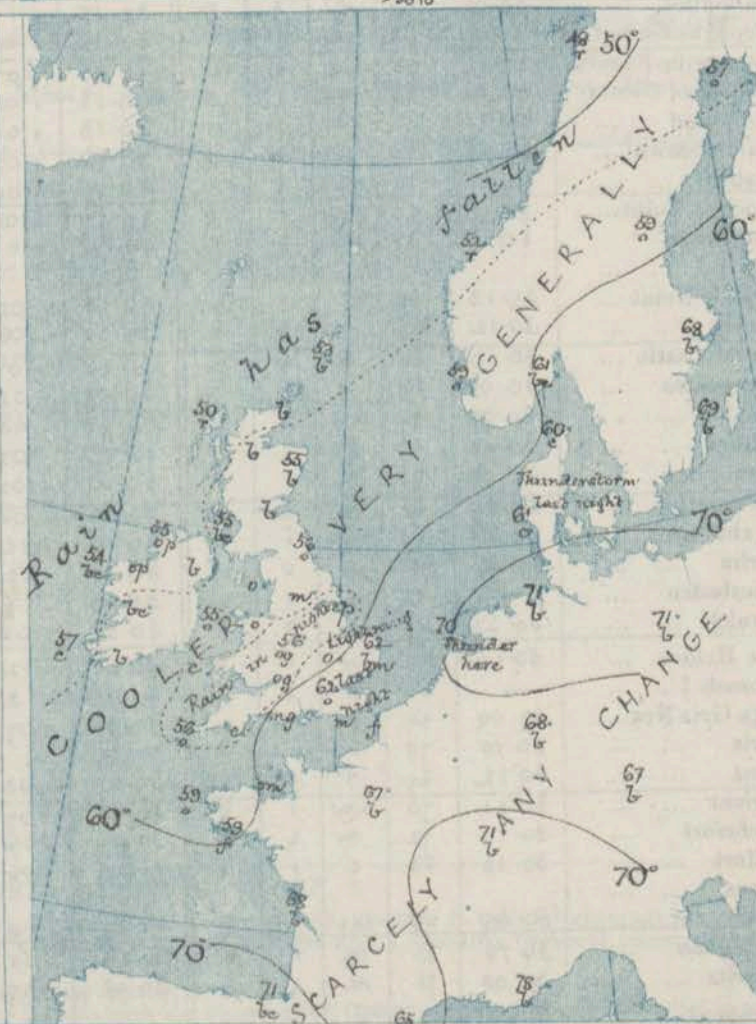
**Rainfall**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of September

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Samburgh Head	55.2	46.2	50.6	49.0	3.46
Stornoway	55.9	45.4	51.0	49.7	4.13
Wick	57.5	45.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.73
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.50
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.5	56.5	3.89
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	66.9	49.3	56.4	54.0	2.59
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

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 30.20 ins. at Munich and about 30.17 ins. off our south-western coasts.  
Lowest 29.6 ins. over the north of Sweden.

There is apparently an anticyclone over Austria, and another over Ireland and the western parts of England. Isobars are slight and irregular except in the north, where they are favourable for W. winds.

## TEMPERATURE

Highest 78° at Nice, 71° at Biarritz, Belfort, and Berlin, 62° in London.

Lowest 48° at Bodø; 50° at Stornoway, 52° at Mullaghmore.

The thermometer is lower over our Islands generally than it was yesterday.

## WIND

Moderate W. in Norway and the east of Scotland; light N. at our eastern and southern stations.  
E. and variable in the west of France, calm over Ireland.

## WEATHER

Overcast in England, clear Ireland, Scotland, and at most of the Continental stations. Rain is falling over Scandinavia, and at two of our north-western stations.

## SEA

is very little disturbed.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new anticyclone which has appeared in the west during the night is apparently spreading north-eastwards while that over Central Europe is giving way slightly. In the west and south of France also the barometer is falling a little.

Should these changes continue the new anticyclone will become the dominant system over our Islands. The wind will then become N. and N.E. over the United Kingdom; with fair weather, but with lower temperatures over England, and rather higher in Scotland and Ireland than those recently experienced.

## FORECASTS

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

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	W. breezes, light or moderate; fine.
1	SCOTLAND EAST	-----D°-----D°-----D°-----
2	ENGLAND N.E.	NW. and N. breezes, light; fine.
3	ENGLAND EAST	Same as N°5
4	MIDLAND COUNTIES	Same as N°2
5	ENGLAND SOUTH	N. winds, light; fair, cooler, dull in S.E.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Same as N°0.
7	ENGLAND N.W.	Same as N°2
8	ENGLAND S.W.	Very light winds, fine generally, warm.
9	IRELAND NORTH	-----D°-----D°-----D°-----
10	IRELAND SOUTH	-----D°-----D°-----D°-----
WARNINGS		None issued

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	29.90	60	59	SW 8	0	5	Holyhead ...	30.14	60	59	SW 1	6	2
Sumburgh Head ...	29.84	57	56	W 3	6	2	Valencia ...	30.17	63	58	W 3	6	3
Stornoway ...	29.84	58	52	SW 6	c q	5	Scilly ...						
Aberdeen ...	29.93	68	57	W 4	6	1	Dungeness ...	30.09	71	67	W 1	6	0
Shields ...	30.04	67	58	W 3	6	2	London ...	30.07	84	73	W 2	6	*
Ardrossan ...	30.04	59	58	SW 3	6	2	Yarmouth ...	30.09	71	66	SE 2	6	2
Malin Head ...	30.10	58	56	W 4	c	5	Jersey ...	30.13	69	65	W 1	6	1
Mullaghmore ...	30.07	61	55	W 5	c	4	Rochefort ...	30.14	68	72	W 1	6	0
Belmullet ...	30.05	59	55	W 5	c	*							

## GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

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

The Continental and British reports for yesterday (Wednesday) showed a continuation of the high pressures recently observed over Central, Southern, and Western Europe, while gradients for S<sup>W</sup> winds had been formed over Sweden and the Gulf of Bothnia, by the advance of a shallow depression to the north-west of Norway from the Atlantic).

The new disturbance brought with it some rain to the extreme north-western stations, and a freshening of wind. Over all the rest of Europe, however, the weather remained very fine and warm, and the wind extremely light and variable. Temperature had risen greatly especially over Switzerland and Germany, the 8am readings rising to between 70° and 80° on the northern shores of the Mediterranean, and to about 70° at several of the German and eastern French stations. Over Finland and Northern Russia, however, they remained below 50°, and in some places fell to nearly 40°. The highest individual readings were 82° at Sfax and Biskra (Algeria), 81° at Trieste, 78° at Brindisi and Toulon and 76° at Brussels; the lowest were 43° at Archangel and Moscow, 50° at Riga, and 54° at Bodö, Christiansund, Sumburgh Head and Stornoway.

During the day the thermometer rose to 93° at Rochefort, 88° at Nice, Wiesbaden and Brussels, and to 85° in London. Over our northern and north-midland counties, however, the weather was cooler, with a keening wind, and during the night some showers fell in those localities and lightning occurred in the east and south-east.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

# DAILY WEATHER REPORT.

for Friday 3<sup>rd</sup> September 1886.

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

Issued by the Meteorological Office, No. 1, Abchurch Lane, London, E.C. 4, on the day following.																			
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 ..	29.75	45	W	2	b	29.68	+0.06	49	45	- 8	N	2	bc	*	61	43	0.04		
Hernösand ...	29.96	52	W	0	o	29.99	+0.10	52	48	- 4	NW	2	bc	*	66	52	-		
Stockholm ...	29.97	65	W	2	o	29.98	-0.01	61	55	- 4	WNW	2	b	*	75	59	-		
Wisby ...	29.94	64	W	4	b	29.94	-0.05	62	58	- 7	N	4	b	*	70	61	-		
Bodö ...	29.77	50	WSW	6	bc	29.59	-1.18	47	46	- 1	SW	9	A	6	52	45	0.35		
Christiansund...	29.99	50	WSW	6	n	29.93	-0.02	54	48	+ 2	WSW	8	o	4	54	48	0.12		
Skudesnaes ...	30.12	53	NNE	1	bc	30.19	+0.06	54	51	- 5	NNE	1	c	2	61	52	-		
Christiania Fjord (Færdø)	30.02	62	WSW	2	o	30.10	+0.11	56	50	- 5	NW	2	b	1	63	55	-		
Skagen (The Scaw)	30.06	59	NW	2	bc	30.08	+0.04	60	56	0	N	2	b	2	66	55	-		
Faenø ...	30.06	60	N	4	b	30.15	+0.11	58	56	- 3	NE	2	b	4	68	?	0.08		
BRITISH ISLANDS.																			
Sumburgh Head	30.10	54	W	2	b	30.08	+0.10	54	52	+ 1	WSW	3	c	2	58	48	-		
Sternoway ...	30.14	57	W	2	c	30.17	+0.15	52	51	+ 2	SSW	3	cg	3	60	44	0.01		
Wick ...	30.16	55	W	1	b	30.17	+0.12	54	52	- 3	S	1	b	0	63	43	0.03		
Nairn ...	30.12	56	W	0	c	30.21	+0.17	50	48	- 3	SW	1	b	1	63	39	-		
Aberdeen...	30.16	56	SSE	1	b	30.22	+0.16	49	47	- 6	WSW	2	bw	0	63	37	-		
Leith ...	30.13	60	NW	1	bc	30.27	+0.18	54	52	- 1	NW	1	cm	*	66	42	-		
Shields ...	30.12	57	ESE	1	o	30.24	+0.14	52	51	- 4	N	2	c	2	60	48	-		
Spurn Head ...	30.11	56	NE	2	c	30.21	+0.11	58	57	+ 1	NNE	4	c	3	58	55	0.16		
York ...	30.11	60	WNW	1	c	30.23	+0.11	58	56	+ 3	N	1	o	*	64	50	-		
Loughborough	30.12	55	ESE	1	n	30.18	+0.05	56	55	0	NE	3	og	*	57	53	0.23		
Ardrossan ...	30.13	58	W	0	bc	30.24	+0.15	50	50	- 5	NE	2	bgw	1	61	46	-		
Malin Head ...	30.17	56	NNE	1	b	30.28	+0.19	53	50	- 2	N	1	bc	3	?	47	-		
Mullaghmore ...	30.16	56	NW	3	bc	30.24	+0.12	52	50	0	E	3	b	2	60	47	-		
Belmullet ...	30.18	54	N	3	c	30.24	+0.09	53	52	- 1	E	1	b	*	58	46	0.02		
Donaghadee ...	30.15	56	NE	2	bc	30.24	+0.12	56	55	0	ESE	2	b	0	59	50	-		
Barrow-in-Furness	30.13	57	W	2	o	30.24	+0.11	50	48	- 6	NW	1	c	*	58	48	-		
Liverpool (Bidston)	30.12	58	WNW	1	bc	30.21	+0.08	53	52	- 4	ESE	1	og	3	62	51	-		
Holyhead ...	30.13	57	NNE	2	o	30.18	+0.05	56	55	+ 1	ESE	3	bcw	2	58	54	-		
Parsonstown ...	30.16	58	N	1	c	30.22	+0.06	50	49	- 6	W	0	bw	*	62	43	-		
Valencia ...	30.18	57	N	3	bc	30.17	-0.01	57	53	0	NNE	1	b	1	62	48	0.05		
Roche's Point...	30.15	55	NE	2	o	30.15	-0.02	55	52	- 2	NNE	2	b	3	61	48	0.28		
Pembroke ...	30.12	58	WNW	2	b	30.12	-0.02	55	52	- 2	NNE	3	cg	1	60	51	-		
Scilly ...																			
Prawle Point ...	30.09	57	N	1	c	30.03	-0.10	56	56	- 2	NNE	2	m	2	58	50	0.10		
Jersey ...	30.06	56	WNW	4	n	29.99	-0.10	61	61	- 1	NE	2	cm	2	65	56	0.06		
Hurst Castle ...	30.06	56	NNE	3	n	30.04	-0.04	60	60	- 2	NE	3	o	2	65	55	1.20		
Dungeness ...	29.99	64	NE	1	m	30.02	-0.05	64	63	+ 1	E	4	b	2	68	60	0.43		
London ...	30.07	56	N	3	on	30.09	+0.01	61	60	- 1	NE	2	o	*	66	55	0.20		
Oxford ...	30.11	54	NE	1	n	30.10	-0.02	57	57	+ 2	NE	3	od	*	57	53	0.45		
Cambridge ...																			
Yarmouth ...	30.07	61	N	4	o	30.13	+0.07	62	61	0	ESE	6	cm	5	64	58	0.01		
Cuxhaven ...	30.03	71	N	2	b	30.17	+0.06	70	68	- 1	NE	2	c	*	74	67	0.48		
Berlin ...	30.00	78	W	0	b	30.07	-0.06	71	64	0	W	0	b	*	88	64	-		
Wiesbaden ...	*	*	*	*	*	30.12	+0.02	68	61	0	W	0	b	*	?	61	-		
Munich ...	30.15	69	SW	4	o	30.17	+0.03	66	62	- 1	SW	1	b	*	81	57	-		
FRANCE & NETHERLANDS.																			
The Helder ...	30.02	65	N	3	o	30.13	+0.12	67	64	- 3	ESE	3	o	3	73	64	0.39		
Brussels ...	*	*	*	*	*	30.07	+0.05	68	64	- 3	ESE	1	b	*	84	62	0.55		
Cape Gris Nez...	30.01	61	ESE	5	m	30.03	-0.01	64	63	+ 3	ESE	4	o	2	66	61	0.04		
Paris ...	30.00	70	NNE	3	o	30.04	-0.03	67	63	0	E	1	b	5	85	62	-		
Brest ...	30.11	57	N	4	o	30.05	-0.06	54	54	- 5	NNE	3	o	3	68	52	0.08		
Lorient ...	30.06	59	N	7	o	30.03	-0.05	57	55	- 2	N	4	o	2	73	62	-		
Rockefort ...	30.06	69	W	5	m	30.04	-0.06	68	67	0	SSE	5	n	2	86	64	0.12		
Belfort ...	30.07	82	S	1	b	30.08	-0.04	69	62	- 2	E	3	b	*	86	58	0.08		
Lyons ...																			
Nice ...	30.06	77	WNW	1	bc	30.08	+0.01	69	63	- 9	NE	4	m	2	88	64	-		
Perpignan ...																			
Biarritz ...	30.07	70	NW	3	o	29.98	-0.10	68	67	- 3	SSE	4	o	2	73	68	-		
PENINSULA.																			
Corunna ...	*	*	*	*	*														
Lisbon ...	30.01	70	WNW	8	o	30.04	-0.03	63	62	- 4	WNW	4	o	2	81	61	-		

† Received too late for insertion in charts.

For Explanation of Columns, see p. 4.

# WEATHER CHARTS

for 8 a.m. on

Friday 3<sup>rd</sup> September.

1886.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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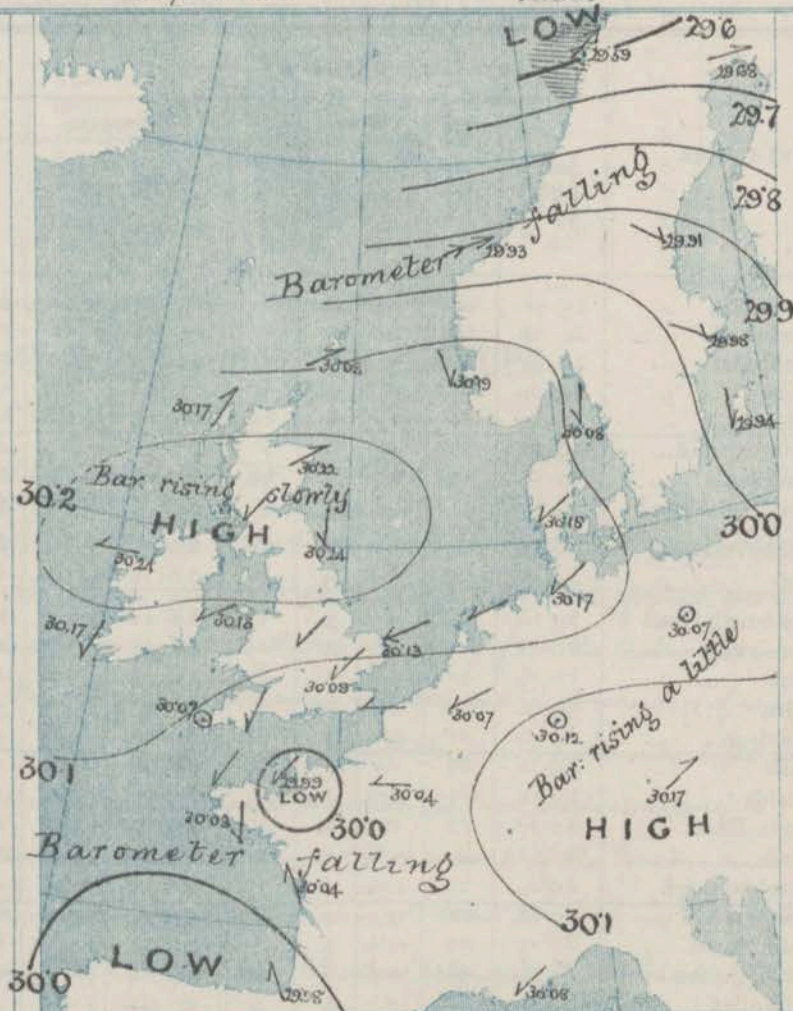
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— Rough. — High.

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

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	<i>in.</i>
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Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roche's Point	29.923
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.956
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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.

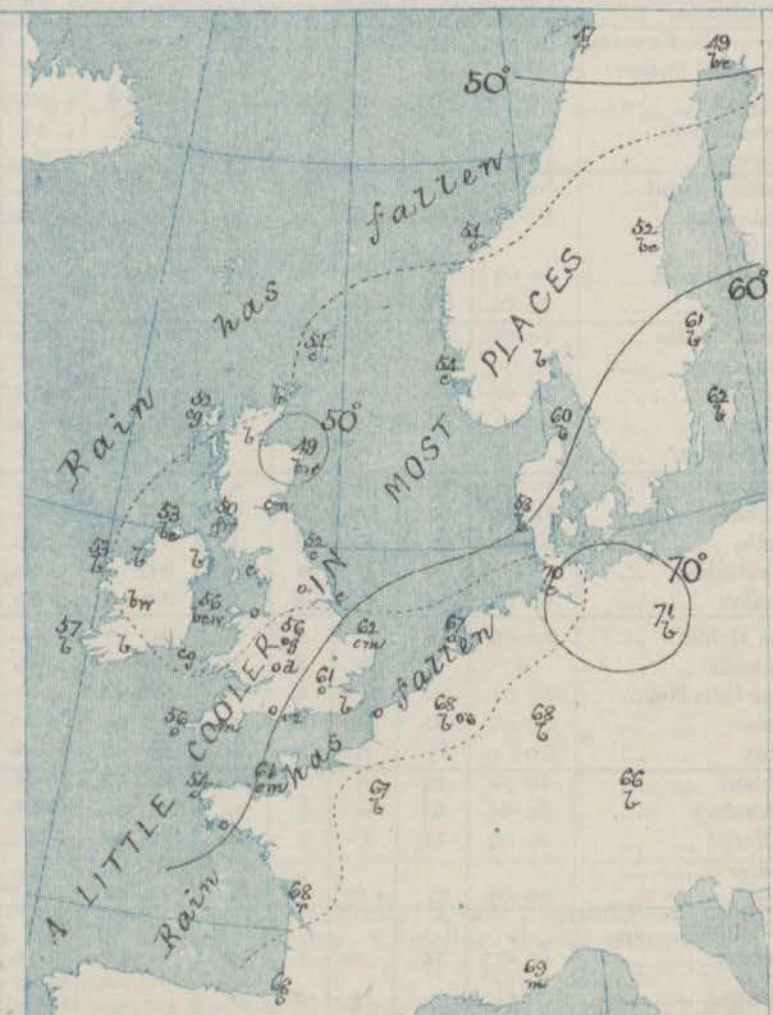
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	55.2	46.2	50.6	49.0	3.46
Stornoway	55.9	45.4	51.0	49.7	4.13
Wick	57.5	45.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.78
Aberdeen	58.0	47.1	52.0	49.8	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.50
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.5	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	66.9	49.3	56.4	54.0	2.60
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	60.8	56.3	54.4	3.17

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 the northern part of the British Islands 30.1 ins: over South Germany Lowest { 30.0 ins: and below in shallow depressions over Spain and Brittany 29.6 ins: and below in the north of Norway.
TEMPERATURE	Highest 71° over North Germany, and 68° in the south-west of France Lowest 47° at Bodø and 44° at Aberdeen Daily range greatly reduced in south. Thermometer falling north.
WIND	SW <sup>ly</sup> gale in north-west of Norway, light SW <sup>ly</sup> in Scotland Moderate NE <sup>ly</sup> breeze at our southern stations - strong NE. at Yarmouth. In France and Germany wind varies greatly.
WEATHER	Rainy over north of Scandinavia; clear Ireland, Scotland, and on eastern shores of North Sea. Overcast in England and west of France, with slight rain in places.
SEA	Smooth or nearly so except at Yarmouth and off the north-west coast of Norway.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There appears to be a depression of considerable size approaching the north of Scandinavia from the westward, but this is not likely to affect the winds in our Islands much, beyond causing some freshening from the W<sup>nd</sup> in the extreme north of Scotland. As the anticyclone in the north-west and north shows no signs of giving way the weather will probably remain fine in Ireland and the northern parts of Great Britain, but it is probable that the shallow depressions over France and Spain, will cause a continuance of the cloudy, unsettled conditions over our southern countries.

## FORECASTS

For the 24 hours ending at NOON on 4<sup>th</sup> SEPT 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	W <sup>ly</sup> winds, light; fine, cold at night	6 { SCOTLAND WEST	Same as N° 0
1 { SCOTLAND EAST	----- D° ----- D° ----- D° -----	7 { ENGLAND N. W.	Same as N° 4
2 { ENGLAND N. E.	Same as N° 4	8 { ENGLAND S. W.	
3 { ENGLAND EAST	Same as N° 5	9 { IRELAND NORTH	NE <sup>ly</sup> breezes, moderate; weather uncertain, perhaps showery.
4 { MIDLAND COUNTIES	NE <sup>ly</sup> breezes, moderate or light; fair, cold at night.	10 { IRELAND SOUTH	----- D° ----- D° ----- D° -----
5 { ENGLAND SOUTH	NE <sup>ly</sup> breezes, moderate; cloudy, weather rather uncertain, but most probably unsettled.	WARNINGS	NONE ISSUED.

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.08	60	55	NW 2	o	3	Holyhead ...	30.14	57	55	NNW 2	o	2
Sumburgh Head ...	30.06	57	54	W 3	b	2	Valencia ...	30.18	61	58	NW 3	c	3
Stornoway ...	30.00	59	53	SW 3	cp	2	Scilly ...	...	...	...	...	...	...
Aberdeen ...	30.11	58	54	SE 3	c	0	Dungeness ...	30.03	64	62	Z 0	m	1
Shields ...	30.11	59	55	NNE 2	o	2	London ...	30.09	58	56	N 3	o	4
Ardrossan ...	30.12	59	58	WSW 2	bc	1	Yarmouth ...	30.07	62	59	NNW 3	bc	3
Malin Head ...	30.13	58	54	NW 1	bc	2	Jersey ...	30.07	63	60	N 3	o	3
Mullaghmore ...	30.16	59	53	WNW 2	b	2	Rocheport ...	30.09	77	72	WNW 5	f	2
Belmullet ...	30.18	57	52	WNW 3	c	4							

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

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

Yesterday morning's reports showed that the large anticyclone recently observed over Western and Central Europe was moving eastwards to Southern Russia, but that a new and smaller system had been formed over Ireland and the west of England. The conflict of currents caused by these two systems produced a break up of the fine hot weather previously experienced over England and France, thunderstorms occurring in some parts of France and North Germany, lightning in the east and south east of England, and rain in many places, especially in the south of England. Temperature fell somewhat generally in the north-west, but the 8 a.m. readings did not differ very much from those of Wednesday; they ranged from about 80° at the northern extremity of the Adriatic, and from between 77° and 80° on the south coast of France to about 41° over Central Russia, and to between 48° and 52° in the extreme north-west of Europe. The highest individual readings were 80° at Trieste and C. Licia, 78° at Nice, 75° at Malta, Cagliari, Naples and Bilbao; the lowest 42° at Moscow, 43° at Archangel, 48° at Bodø and 50° at Stornoway.

During the day the thermometer again rose to between 84° and 88° at many of the Continental stations, but in the south of England it actually fell, so that in London the reading at 2 p.m. was only 58° or 26° lower than that at the same hour on Wednesday. Rain fell in the southwest, south, and east—heavily on our south coast—and though the sky cleared in Ireland and Scotland it remained densely overcast in the southern parts 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 8 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

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

# DAILY WEATHER REPORT.

for Saturday 4<sup>th</sup> September 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 55° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 2.)	SHADE TEMP.		Amount of Rainfall.														
			Dirce.	Force. (0 to 12.)		Reading at 55° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirce.	Force. (0 to 12.)			Max.	Min.															
SCANDINAVIA.																															
Haparanda ...	29.50	50	W	4	b	29.27	-41	53	50	+4	W	6	bc	4	55	37	-														
Hernösand ...	29.82	57	SSW	4	0	29.71	-28	60	54	+5	WSW	4	0	4	61	46	-														
Stockholm ...	29.96	57	SSW	2	b	29.93	-05	60	55	-1	W	4	bc	4	70	57	-														
Wishby ...	29.96	62	WSW	4	b	29.93	-01	60	55	-2	W	4	b	4	68	57	-														
Bodö ...	29.48	51	WSW	8	n	29.41	-18	50	49	+3	WSW	8	n	6	51	45	0.35														
Christiansund...	29.52	56	WSW	9	0	29.97	+04	56	52	+2	WSW	8	0	6	56	50	0.04														
Skudesnaes ...	30.20	55	W	1	m	30.16	-03	58	55	+4	WSW	1	e	2	54	54	-														
Christiania Fjord (Fierder)	30.02	61	WSW	2	bc	30.00	-10	60	57	+4	W	2	bc	1	?	?	-														
Skagen (The Sea)	30.06	58	W	3	b	30.04	-04	60	57	0	W	4	e	2	64	57	-														
Fanö ...	30.21	54	W	2	b	30.17	+02	59	55	+1	W	2	b	4	68	48	-														
Sumburgh Head	30.08	54	WSW	4	0	30.10	+02	53	53	-1	WSW	3	n	4	55	50	0.25														
Stornoway ...	30.16	57	WSW	3	b	30.15	-02	52	51	0	SSW	2	bc	1	61	44	-														
Wick ...	30.18	53	W	1	b	30.15	-02	56	51	+2	W	0	b	0	69	38	-														
Nairn ...	30.18	62	W	0	b	30.18	-03	49	42	-1	W	0	b	0	69	40	-														
Aberdeen...	30.19	58	SSW	3	b	30.18	-04	49	47	-10	SW	1	b	0	65	40	-														
Leith ...	30.22	62	NE	1	b	30.19	-08	55	54	+1	SE	1	bcw	4	62	43	-														
Shields ...	30.24	58	E	2	bc	30.19	-05	58	57	+6	ENE	2	bcw	2	62	50	-														
Spurn Head ...	30.19	59	ENE	4	e	30.14	-04	59	58	+1	ENE	4	bc	3	62	56	-														
York ...	30.22	62	NE	1	bc	30.18	-05	59	57	+1	NE	1	e	4	68	52	-														
Loughborough	30.16	60	ENE	3	0	30.11	-07	58	58	+2	ENE	1	ogdf	4	63	56	0.01														
Ardrossan ...	30.20	61	W	1	bm	30.15	-09	58	57	+8	NE	2	bf	1	65	49	-														
Malin Head ...	30.24	56	SE	3	m	30.18	-15	57	55	+4	E	3	m	3	?	53	-														
Mullaghmore ...	30.19	62	E	2	bm	30.11	-13	56	53	+4	E	4	bm	2	63	51	-														
Belmullet ...	30.19	59	E	1	b	30.09	-15	58	55	+5	E	1	b	4	64	52	-														
Donaghadee ...	30.22	58	NE	2	b	30.13	-11	57	56	+1	ENE	1	b	0	63	53	-														
Barrow-in-Furness	30.18	63	NE	1	b	30.14	-10	58	55	+8	NE	2	b	4	67	49	-														
Liverpool (Bidston)	30.15	64	E	2	e	30.09	-12	61	57	+8	E	3	bcw	3	67	58	-														
Holyhead ...	30.13	59	NE	3	b	30.03	-13	61	60	+5	ENE	4	bcw	3	67	56	-														
Parsonstown ...	30.16	61	ENE	2	e	30.03	-19	59	57	+9	ESE	2	e	4	65	49	-														
Valencia ...	30.15	60	W	2	e	29.96	-23	62	58	+5	NE	4	ogm	2	65	55	0.03														
Roche's Point...	30.10	57	NE	3	0	29.95	-20	60	60	+5	ESE	5	nm	4	63	55	0.24														
Pembroke ...	30.05	58	NE	3	e	29.99	-13	62	61	+8	ESE	4	0	2	63	54	0.09														
Scilly ...																															
Prawle Point ...	29.99	60	ENE	2	f	29.99	-04	59	59	+3	W	0	f	2	61	55	0.18														
Jersey ...	29.97	65	NE	1	egmt	30.01	+02	62	61	+1	WSW	1	ogm	1	68	59	0.30														
Hurst Castle ...	30.03	66	SE	3	e	30.01	-03	68	65	+5	ENE	1	mp	0	71	59	0.06														
Dungeness ...	30.03	67	ENE	4	m	30.00	-02	66	65	+2	W	1	n	2	68	64	0.20														
London ...	30.08	68	ENE	2	b	30.02	-07	65	65	+4	ESE	3	0	4	70	60	0.06														
Oxford ...	30.10	63	NE	4	0	30.04	-06	62	62	+8	NE	2	0	4	66	57	-														
Cambridge ...	30.14	61	NE	1	0	30.06	-08	63	63	+4	NE	1	0	4	69	57	0.02														
Yarmouth ...	30.14	63	ENE	4	bc	30.09	-04	64	63	+2	ENE	5	b	4	65	60	-														
Cuxhaven ...	30.20	70	NE	3	b	30.19	+02	61	59	-9	ENE	3	b	4	70	59	-														
Berlin ...	30.08	74	NE	3	e	30.16	+09	64	60	-7	NE	1	b	4	88	61	-														
Wiesbaden ...						30.09	-03	68	63	0	W	0	b	4	86	61	-														
Munich ...	30.12	67	W	0	bc	30.17	-00	66	61	0	SW	3	bc	4	79	57	-														
FRANCE & NETHERLANDS.																															
The Helder ...	30.14	63	ENE	4	b	30.13	-00	66	63	-1	ENE	3	b	3	70	?	-														
Brussels ...						30.07	-00	70	57	+2	ESE	3	bc	4	81	62	-														
Cape Gris Nez...	30.01	67	NE	4	b	30.02	-01	69	66	+5	ESE	7	n	3	72	63	-														
Paris ...	30.01	75	NE	1	b	30.08	+01	67	62	0	ESE	3	b	4	84	64	-														
Brest ...	29.99	59	NE	3	m	30.00	-05	57	56	+3	ESE	4	n	3	61	54	0.08														
Lorient ...	30.01	61	NE	1	e	30.02	-01	58	56	+1	ESE	1	n	1	63	52	0.12														
Rockfort ...	30.05	66	W	1	0	30.05	+01	63	62	-5	SE	4	0	2	73	57	0.43														
Belfort ...																															
Lyons ...																															
Nice ...	30.06	73	W	0	b	30.13	+05	66	58	-3	ENE	3	e	2	84	61	-														
Perpignan ...																															
Biarritz ...	29.95	70	ENE	4	e	30.01	+03	68	65	0	W	4	0	2	73	63	0.83														
PENINSULA.																															
Corunna ...																															
Lisbon ...	30.03	64	WSW	7	b	30.11	+07	60	56	-3	WSW	3	b	2	75	57	-														

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

# WEATHER CHARTS

for 8 a.m. on Saturday, 4<sup>th</sup> September 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.

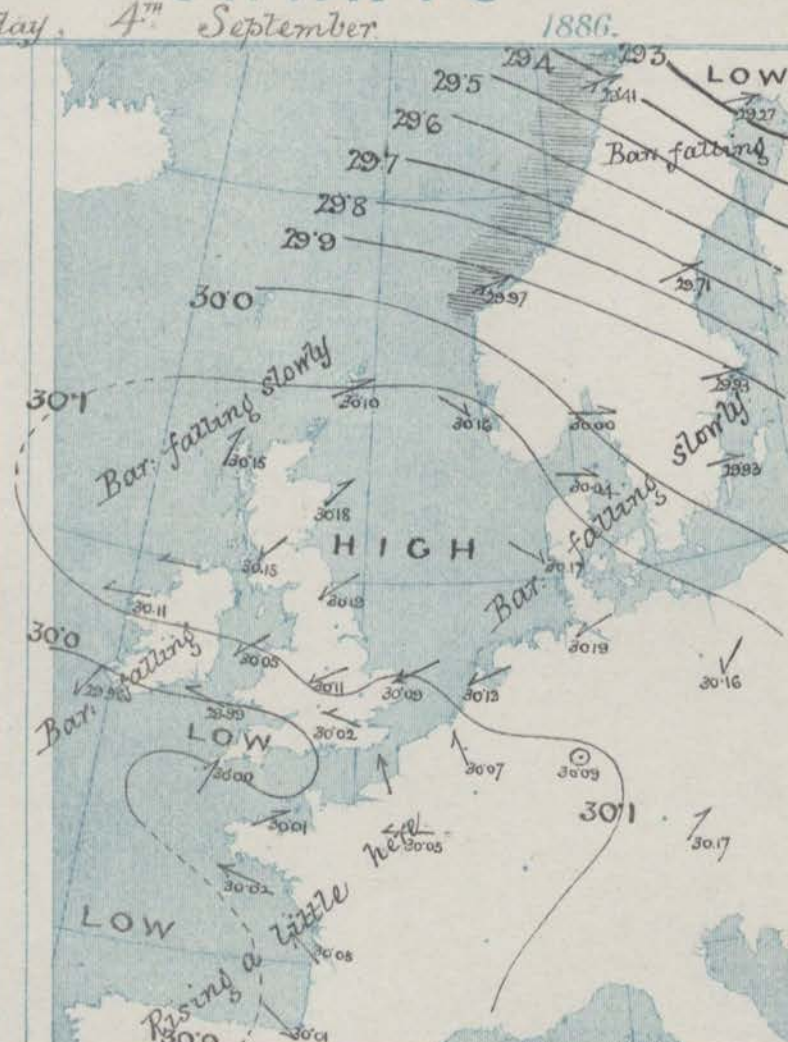
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.758
Stornoway	29.781
Wick	29.786
Nairn	29.812
Aberdeen	29.815
Leith	29.851
Shields	29.876
York	29.913
Ardrossan	29.858
Donaghadee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roch's Point	29.923
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.956
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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 September.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 5 a.m.		
			Dry.	Wet.	
Sumburgh Head	55.2	46.2	50.6	49.0	3.46
Stornoway	55.9	45.4	51.0	49.7	4.13
Wick	57.5	45.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.73
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.5	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.55
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	68.9	49.3	56.4	54.0	2.59
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.0	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

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



# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.1 in: to 30.2 in: in long anticyclone lying over Germany, North Sea, and northern part of British Isles. Lowest 29.3 " at Haparanda, (Gulf of Bothnia) and 29.95 in: on our SW. coasts, and apparently over Bay of Biscay. Gradients are moderate for W. winds in far north, slight and very variable in south.
TEMPERATURE	Highest 64° to 70° over France, Belgium and Germany Lowest 49° at Aain and Aberdeen, 50° at Bodø and 52° at Stornoway. It is higher over our Islands generally than it was yesterday.
WIND	SW <sup>2</sup> gale in northwest of Norway - slight SW <sup>2</sup> breeze in north of Scotland. Generally E <sup>2</sup> over England, Ireland and France, but varying a little locally both in force and direction.
WEATHER	Cloudy and wet in Norway, and also in the south of our Islands and north of France, with thunderstorms in latter regions. Fine and bright in NW. N. and E. of our Islands and in Germany.
SEA	Rough in extreme north, moderate at Yarmouth and Rock Point, smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is falling unsteadily in the south-west and south, as the disturbances from France are spreading northwards over those districts. The weather is therefore likely to remain very changeable showery and close in those districts, and to become so a little further north.

In the north the depression is passing off, and, as the anticyclone over our northern districts and the North Sea shows very little sign of giving way the fine weather now prevailing in those regions seems likely to hold for the present.

## FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SW <sup>2</sup> or W <sup>2</sup> breezes, light; fine.	6 { SCOTLAND WEST	Calms and fair, with local fogs.
1 { SCOTLAND EAST	-----D <sup>2</sup> -----D <sup>2</sup> -----D <sup>2</sup> -----	7 { ENGLAND N. W.	Same as No 4
2 { ENGLAND N E	E <sup>2</sup> breezes, moderate; fair.	8 { ENGLAND S. W	Same as No 5
3 { ENGLAND EAST	Same as No 5.	9 { IRELAND NORTH	E and varying winds, unsettled, rain at times
4 { MIDLAND COUNTIES	NE <sup>2</sup> and E <sup>2</sup> breezes, light; unsettled, some rain, perhaps thunder.	10 { IRELAND SOUTH	-----D <sup>2</sup> -----D <sup>2</sup> -----D <sup>2</sup> -----
5 { ENGLAND SOUTH	E <sup>2</sup> and SE <sup>2</sup> breezes; changeable, close, rain at times, perhaps thunder.	WARNINGS	NONE ISSUED.

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.23	60	52	NW 4	c	2	Holyhead ...	30.18	59	57	NE 3	0	2
Sumburgh Head ...	30.09	54	52	NW 4	0	3	Valencia ...	30.15	64	60	N 3	bc	3
Sternoway ...	30.16	60	54	SW 5	b	4	Scilly ...						
Aberdeen ...	30.21	62	56	S 4	b	0	Dungeness ...	30.06	66	65	ENE 5	m	3
Shields ...	30.26	60	55	E 2	b	2	London ...	30.10	68	65	ENE 2	0	4
Ardrossan ...	30.23	63	63	NE 1	b	3	Yarmouth ...	30.15	65	63	NE 4	b	5
Malin Head ...	30.27	58	55	E 2	m	2	Jersey ...	30.00	65	63	2 0	0	0
Mullaghmore ...	30.22	61	56	NEW 3	b	2	Rechefort ...	30.05	67	66	NW 3	n	2
Belmullet ...	30.23	63	57	NE 1	b	2							

## 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 while an anticyclone still lay over South-eastern and Southern Europe, a new one had appeared over the northern parts of the United Kingdom and the North Sea. Within these regions the weather was fine and bright, but in the south it was still dull, close, and rather showery, while over France (where shallow local disturbances were being developed) rain fell pretty generally, and thunderstorms occurred in several places. In Northern Europe a large depression was advancing eastwards causing dull weather and rain at some of the Scandinavian and Finnish stations. Temperature had fallen a little in the British Islands, but remained high in the south and over Germany, where the 8am reading ranged from 68° to 75°, while in Central Russia and Finland they were below 45°. The highest individual readings reported were 79° at Biskia, 78° at Algiers and Malta and 77° at Barcelona, the lowest 43° at Moscow, 47° at Podö, 48° at Archangel, 49° at Haparanda and 50° at Kuopio.

During the day the anticyclone in the north spread further northwards to Scotland, while the shallow disturbances over France continued to spread northwards over our southern counties, so that after a temporary clearance of the sky in those regions rain again set in later on, with an unsettled appearance. Temperature did not rise above 70° in London or 68° at York, but reached 81° at Paris, 86° at Wiesbaden, and 88° at Berlin. In the north of the British Isles the weather was fine but cool.

## ATLANTIC TELEGRAM.

The Chief Signal Officer, Washington U.S. reports that,—

- (1) On August 31<sup>st</sup> in Lat: 41° N, Long: 64° W, the barometer fell to 29.8 in at 11 am during a heavy gale in which the winds shifted from S to N.
- (2) " September 1<sup>st</sup> " 42° N, " 64° W, " " 29.8 in at 9 am " " strong gale " " " " S. to N.
- (3) " " 2<sup>nd</sup> a Swedish ship was passed in Lat: 41° N, Long: 64° 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 Sunday 5<sup>th</sup> September. 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.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Weather.	Max.		Min.	
SCANDINAVIA.																			
Haparanda ..	29.80	45	W	4	b	29.97	+ .70	49	40	- 4	NW	4	b	4	64	45	-		
Hernösand ...	30.05	53	Z	0	b	30.17	+ .46	56	46	- 10	Z	0	b	4	68	?	-		
Stockholm ...	29.97	66	Z	0	bc	30.12	+ .19	56	54	- 4	NNE	2	r	4	75	52	-		
Wisby ...	29.91	62	SSW	4	b	29.98	+ .05	60	58	0	E	4	r	4	70	57	-		
Bodö ...	29.89	49	WSW	6	0	30.07	+ .66	48	45	- 2	W	2	c	1	50	46	0.12		
Christiansund...	30.10	51	SW	1	0	30.05	+ .08	55	52	- 1	ESE	2	bc	4	?	48	-		
Skudesnaes ...	30.10	55	NNW	1	0	30.05	- .11	57	54	- 1	N	1	0	2	?	55	-		
Christiania Fjord (Fierder)	29.99	62	Z	0	0	30.02	+ .02	60	59	0	N	4	0	1	66	60	-		
Skagen (The Scaw)	30.02	57	NW	2	b	30.00	- .04	60	58	0	Z	0	bc	0	64	52	-		
Fanö ...	30.13	52	NW	1	b	30.07	- .10	59	56	0	SE	3	b	0	64	48	-		
BRITISH ISLANDS.																			
Sumburgh Head	30.09	52	SW	1	0	29.97	- .13	52	52	- 1	S	2	f	2	55	44	0.11		
Stornoway ...	30.05	57	NE	3	b	29.83	- .32	55	54	+ 3	Z	0	bc	0	61	46	-		
Wick ...	30.06	56	NE	1	b	29.89	- .26	56	54	0	S	2	b	0	64	41	-		
Nairn ...	30.05	56	Z	0	b	29.90	- .28	50	50	+ 1	Z	0	m	0	68	49	-		
Aberdeen...	30.09	58	S	2	b	29.94	- .24	59	58	+ 10	S	1	bc	0	67	48	-		
Leith ...	30.02	60	NE	1	b	29.88	- .31	57	56	+ 2	ENE	1	0	4	67	53	-		
Shields ...	30.08	59	E	2	0	29.90	- .29	57	57	- 1	E	1	f	2	62	55	0.08		
Spurn Head ...	30.01	61	E	4	b	29.90	- .24	62	61	+ 3	ESE	2	cm	3	62	58	0.18		
York ...	30.05	64	ENE	1	b	29.89	- .29	63	62	+ 4	ESE	1	m	4	74	57	-		
Loughborough	29.96	70	ENE	2	bc	29.88	- .23	62	61	+ 4	SE	1	0	4	75	58	-		
Ardrossan ...	29.98	68	NE	2	b	29.85	- .30	57	57	- 1	NNE	2	m	1	72	47	0.13		
Malin Head ...	30.00	60	ESE	2	m	29.78	- .35	60	59	+ 3	S	2	cm	2	?	57	0.02		
Mullaghmore ...	29.93	62	E	3	0	29.77	- .34	58	56	+ 2	S	2	cm	2	67	55	0.02		
Beltmullet ...	29.93	65	NE	2	0	29.76	- .33	58	57	0	SSW	2	og	4	67	58	0.01		
Donaghadee ...	29.97	61	NE	1	bc	29.84	- .29	58	58	+ 1	SW	2	c	0	64	57	0.21		
Barrow-in-Furness	29.95	69	NNE	2	bc	29.87	- .27	60	58	+ 2	S	2	r	2	72	58	0.03		
Liverpool (Bidston)	29.93	68	E	3	bc	29.85	- .24	60	59	- 1	SE	1	rf	3	69	59	0.28		
Holyhead ...	29.92	65	ENE	3	c	29.86	- .19	57	57	- 4	N	1	0	2	65	55	0.58		
Parsonstown ...	29.91	62	ENE	1	r	29.82	- .21	55	54	- 4	Z	0	og	4	65	52	0.21		
Valencia ...	29.92	60	SSE	1	b	29.83	- .13	56	55	- 6	SE	1	0	1	64	50	0.09		
Roche's Point...	29.93	56	SSE	2	r	29.82	- .13	55	55	- 5	N	1	rm	3	62	57	0.35		
Pembroke ...	29.95	57	WNW	1	r	29.83	- .16	58	56	- 5	SSW	1	cp	1	63	56	0.59		
Scilly ...																			
Prawle Point ...	29.97	58	SW	1	c	29.87	- .12	57	56	- 2	SW	3	og	3	61	54	0.01		
Jersey ...	29.98	62	ESE	1	0	29.90	- .11	62	60	0	SSW	4	cm	4	66	59	-		
Hurst Castle ...	29.98	64	SW	2	bc	29.89	- .12	64	62	- 1	SSW	4	c	1	72	60	0.02		
Dungeness ...	29.97	67	ESE	1	c	29.92	- .08	63	63	- 3	S	4	t	3	75	62	0.54		
London ...	29.98	70	ESE	2	c	29.91	- .11	64	62	- 1	SE	1	0	4	79	59	0.42		
Oxford ...	29.97	66	SSW	1	c	29.88	- .16	63	62	+ 1	SSE	1	bc	4	75	60	0.58		
Cambridge ...	29.99	70	S	1	c	29.90	- .16	66	65	+ 3	S	1	0	4	79	61	-		
Yarmouth ...	30.03	64	ESE	3	c	29.94	- .15	65	64	+ 1	S	3	c	4	66	62	0.13		
Cuxhaven ...	30.16	68	NNE	4	b	30.12	- .07	67	64	+ 6	ESE	3	b	4	72	64	-		
Berlin ...	30.09	74	NE	1	b	30.10	- .06	66	65	+ 2	ENE	1	b	4	79	61	?		
Wiesbaden ...	30.07	69	NE	2	b	30.10	+ .01	66	61	- 2	Z	0	b	4	82	59	-		
Munich ...	30.19	64	W	2	b	30.21	+ .04	64	60	- 2	SW	3	b	4	75	57	-		
FRANCE & NETHERLANDS.																			
The Helder ...	30.05	69	ENE	4	t	29.99	- .14	67	66	+ 1	S	1	b	1	?	?	-		
Brussels ...	*	*	*	*	*	30.00	- .07	69	65	- 1	S	1	cm	4	81	65	0.12		
Cape Gris Nez...	29.98	67	ENE	1	c	29.95	- .11	67	65	- 2	S	1	t	0	79	63	0.24		
Paris ...	30.03	71	N	1	0	30.02	- .03	62	62	- 5	NE	3	0	4	82	61	0.16		
Brest ...	29.95	59	SSE	4	0	29.89	- .11	56	54	- 1	S	3	0	3	82	54	0.39		
Lorient ...	30.00	62	ESE	1	0	29.94	- .08	62	59	+ 4	WSW	5	0	3	66	48	0.04		
Rochefort ...	30.04	70	WNW	1	0	30.08	+ .03	67	66	+ 4	WSW	4	c	1	75	59	0.16		
Belfort ...	30.08	60	SW	4	b	30.06	- .07	57	53	- 2	SW	4	b	4	70	56	-		
Lyons ...	30.06	?	SSW	?	?	30.11	?	68	63	?	SSE	3	b	4	85	62	-		
Nice ...	30.15	69	SW	1	bc	30.17	+ .04	69	62	+ 3	Z	0	b	0	79	63	-		
Perpignan ...	30.05	72	E	1	0	30.10	+ .03	67	66	- 1	Z	0	0	4	82	60	0.04		
Biarritz ...	29.89	76	ENE	4	t	30.09	+ .08	69	67	+ 1	W	4	0	2	81	68	-		
PENINSULA.																			
Corunna ...			*	*	*	30.04	+ .03	65	64	+ 6	SW	4	0	2	?	57	0.16		
Lisbon ...	30.10	71	NW	3	bc	30.18	-	67	61	- 1	N	4	0	2	68	55	-		

For Explanation of Columns, see p. 4.

# WEATHER CHARTS

for 8 a.m. on

Sunday 5<sup>th</sup> September

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.

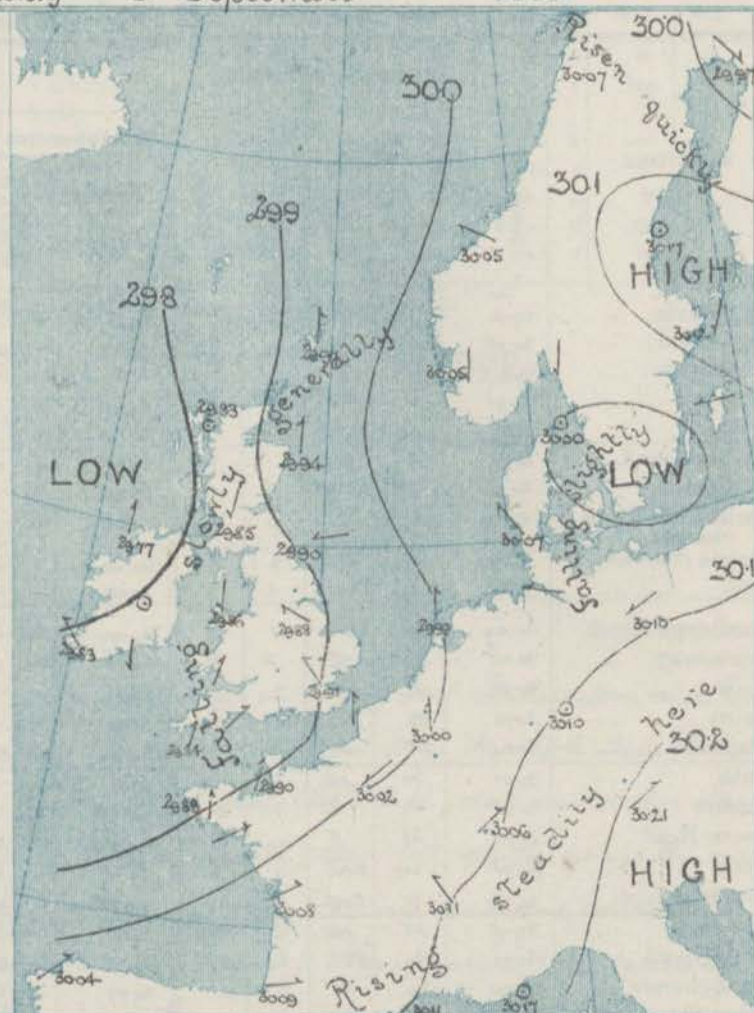
**Sea Disturbance** — where considerable is shown thus

■ = Rough, ■ = High

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.758
Stornoway	29.781
Wick	29.786
Nairn	29.812
Aberdeen	29.815
Leith	29.851
Shields	29.876
York	29.913
Ardrossan	29.858
Donaghadee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roche's Point	29.923
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.978
Dover	29.965
LONDON	29.966
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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 September.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	55.2	46.2	50.6	49.0	3.46
Stornoway	55.9	45.4	51.0	49.7	4.13
Wick	57.5	45.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.73
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.5	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	66.9	49.3	56.4	54.0	2.69
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

NOTE — The Temperature means are for the 10 years 1871 — 80, the Rainfall means are mainly those for the 20 years 1666 — 86.



# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.2 ins. and upwards over South Germany, and N. of Adriatic, and 30.15 ins. over Central Sweden. Lowest, 29.8 ins. and less over the west of Ireland and adjacent parts of Atlantic. Gradients are slight and irregular. Barometer rising over N. and S. Europe, falling briskly in NW. of British Isles, slowly elsewhere.
TEMPERATURE	Highest, 64° to 69°, in France, Germany, and South-east of British Isles. Lowest, 48° to 50° over the north of Scandinavia, 50° to 55° in the north of Scotland. Changing irregularly. Yesterday's maxima over England decidedly higher than on two previous days.
WIND	Light and variable from S.W. in our Islands and France, - Chiefly S.E. to eastward of North Sea. W.S.W. over Bay of Biscay, but N.E. at Paris.
WEATHER	Very unsettled. Thunderstorms still prevailing over N.E. of France and extreme south of England. Severe thunderstorms occurred almost all over France during the night. Sky densely overcast in London.
SEA	Very little disturbed; dead calm in north-east.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure areas in the west are moving northwards, and partially filling up. Distribution of pressure improving in south.

## FORECASTS

for the 24 hours ending at NOON on 6<sup>th</sup> September 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.*

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	30.16	60	53	NW 4	r	2	Holyhead ...	30.00	62	61	NNW 2	mp	2
Sumburgh Head ...	30.12	54	53	W 3	o	3	Valencia ...	29.94	64	61	SSE 3	o	4
Stornoway ...	30.08	60	56	SE 4	b	4	Scilly ...						
Aberdeen ...	30.14	62	56	S 3	b	0	Dungeness ...	30.00	71	67	E 1	c	1
Shields ...	30.14	61	58	E 2	b	2	London ...	29.99	71	69	SE 2	c	2
Ardrossan ...	30.04	72	?	NE 3	b	1	Yarmouth ...	30.06	66	64	ENE 5	b	4
Malin Head ...	30.09	61	58	E 3	m	3	Jersey ...	30.01	63	61	WSW 2	c	2
Mullaghmore ...	29.99	65	60	E 5	cm	3	Rocheport ...	30.07	73	69	SSW 5	o	2
Belmullet ...	29.99	66	62	E 2	c	4							

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

The report for yesterday (Saturday) showed that anticyclonic conditions still prevailed over Germany, Austria, Italy, the Adriatic and Balkan Peninsula, in which region the readings varied from 30.1 ins. to 30.2 ins. This high pressure system had also become united with the one over the northern parts of our Islands, by means of a broad Col, which stretched across Denmark and the North Sea. Over Northern Europe, however, the conditions had become cyclonic, owing to the pressure of a large depression the centre of which appeared to be moving south-eastwards, while over the Bay of Biscay, France and the British Isles there were several shallow disturbances the movements of which were slow, but about NW<sup>2</sup>. Thus, W<sup>2</sup> winds prevailed over the northern countries, with squally showery weather, while variable air and bright warm weather were prevalent over Central and South-Eastern Europe with the Mediterranean, and variable air with rain, severe thunderstorms and unsettled weather in France and the southern parts of the British Islands. Temperature varied from 79° over Southern Italy, and from between 70° and 77° over the south of France and the north of the Adriatic to between 50° and 55° in the north of Scotland to about 50° over Central Russia and Lapland, and to a still lower value on the shores of the White Sea. The highest individual readings reported were 79° at Brindisi, 77° over Central Algeria, 76° at Malta and Cagliari, 75° at Sanguinaire and 74° at Trieste, the lowest 48° at Archangel, 50° at Moscow and Bodo and 52° at Stornoway and Malin Head.

Later on the disturbed weather spread northwards even to the south of Scotland, so that severe thunderstorms, and rain were felt in all parts of France and England, and in some parts of Ireland and Scotland. Over Germany the weather was fine. Temperature however, recovered somewhat, the maxima observed being 72° to 75° over England, 82° at Nuremberg, Paris, and Perpignan, 84° at Brest and 88° at Lyons.

## ATLANTIC TELEGRAM.

The Chief Signal Officer U.S. reports that  
On Sept 14<sup>th</sup> in Lat: 41° N. Long 64° W the barometer fell to 29.8 ins. at noon during a strong gale in which the wind from SW. 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 8 p.m. (Christiania time).

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# DAILY WEATHER REPORT.

for Monday 6<sup>th</sup> September 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.														
			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 ...	30.15	42	20	0	b	30.23	+ .26	45	43	- 4	20	0	0	*	57	37	-														
Hernösand ...	30.15	59	20	0	o	30.17	+ .00	56	55	+ 6	S	2	0	*	59	43	-														
Stockholm ...	30.12	58	E	2	o	30.13	+ .01	58	55	+ 2	NE	2	0	*	64	54	0.04														
Wisby ...	29.99	60	ESE	4	c	29.99	+ .01	62	59	+ 2	E	4	6c	*	64	57	0.04														
Bodö ...	30.07	48	20	0	c	30.04	- .03	52	49	+ 4	ESE	2	0	1	52	45	-														
Christiansund...	30.03	54	NW	1	o	29.95	- .10	55	53	0	ESE	1	m	2	59	46	-														
Skudesnaes ...	29.99	58	20	0	b	29.87	- .18	61	58	+ 4	E	4	h	3	64	57	-														
Christiania Fjord (Fæder)	30.04	61	NNE	2	bc	30.06	+ .04	61	59	+ 1	NE	2	0	1	64	59	-														
Skagen (The Seaw)	30.04	56	20	0	f	30.01	+ .01	61	58	+ 1	SE	2	6c	2	66	52	-														
Faenø ...	29.95	64	SE	4	b	29.91	- .16	62	61	+ 3	SE	1	6c	*	73	59	0.08														
BRITISH ISLANDS.																															
Sumburgh Head	29.89	55	SE	2	b	29.69	- .28	55	55	+ 3	SE	2	f	3	59	51	0.12														
Stornoway ...	29.73	59	20	0	og	29.60	- .23	56	55	+ 1	S	1	og	1	63	53	-														
Wick ...	29.78	56	S	3	o	29.62	- .27	56	55	0	S	2	6g	1	64	54	0.02														
Nairn ...	29.75	59	20	0	m	29.61	- .29	58	56	+ 8	20	0	b	0	62	47	0.16														
Aberdeen...	29.80	57	SE	1	am	29.68	- .26	56	54	- 3	S	4	e	1	61	51	0.04														
Leith ...	29.73	55	E	1	o	29.71	- .17	60	55	+ 3	SW	1	e	2	61	51	0.25														
Shields ...	29.76	59	SE	3	o	29.81	- .09	53	52	- 4	SW	3	6c	2	60	49	0.13														
Spurn Head ...	29.83	66	SSW	3	bc	29.91	+ .01	58	56	- 4	SSW	4	6c	2	66	52	0.02														
York ...	29.80	64	S	1	c	29.87	- .02	56	54	- 7	SSW	2	b	*	71	49	0.01														
Loughborough	29.84	62	SW	2	bc	29.93	+ .05	59	55	- 3	SW	3	6w	*	70	52	0.01														
GERMANY.																															
Ardrossan ...	29.69	60	20	0	nm	29.69	- .16	56	56	- 1	S	4	o	3	63	55	1.36														
Malin Head ...	29.81	64	SE	1	bcm	29.68	- .10	55	54	- 5	S	3	o	3	?	53	0.03														
Mullaghmore ...	29.72	60	S	2	c	29.67	- .10	56	54	- 2	SSW	4	o	3	65	56	0.08														
Belmullet ...	29.70	58	SSW	3	o	29.66	- .10	58	56	0	SSW	4	og	*	61	54	0.10														
Donaghadee ...	29.73	60	WSW	2	c	29.72	- .12	55	55	- 3	SW	4	h	2	60	50	0.07														
FRANCE & NETHERLANDS.																															
Barrow-in-Furness	29.74	58	SSW	4	b	29.80	- .07	58	56	- 2	S	6	e	*	64	56	0.44														
Liverpool (Bidston)	29.78	59	SSW	1	b	29.85	- .00	56	54	- 4	SSW	2	e	3	66	52	0.06														
Holyhead ...	29.78	55	SW	4	ghm	29.81	- .05	56	56	- 1	SSW	4	nm	4	60	54	0.87														
Parsonstown ...	29.77	61	SW	1	b	29.76	- .06	56	55	+ 1	S	1	om	*	64	51	0.07														
Valencia ...	29.79	57	SSW	3	nm	29.72	- .11	59	58	+ 3	SSW	6	om	6	60	55	0.15														
Roche's Point...	29.81	60	WSW	3	bc	29.80	- .02	60	58	+ 5	SW	4	e	3	62	50	0.12														
Pembroke ...	29.82	58	SSW	4	h	29.86	+ .03	60	58	+ 2	SSW	5	og/p	4	61	56	0.24														
Seilly ...																															
Prawle Point ...	29.90	56	SSW	4	c	29.99	+ .12	59	58	+ 2	SSW	3	b	4	61	56	0.12														
Jersey ...	29.96	60	W	2	b	30.03	+ .13	61	60	- 1	SW	4	cgm	3	65	57	0.10														
Hurst Castle ...	29.93	60	WSW	6	bc	30.02	+ .13	63	60	- 1	SW	5	e	2	66	59	0.02														
Dungeness ...	29.93	65	W	3	c	30.02	+ .10	63	59	0	WSW	4	b	2	69	60	0.04														
London ...	29.89	66	WSW	2	cp	29.99	+ .08	61	58	- 3	WSW	2	6c	*	72	55	0.05														
Oxford ...	29.92	57	SW	2	c	29.98	+ .10	60	57	- 3	SSW	1	b	*	68	54	0.01														
Cambridge ...	29.92	68	S	1	bc	29.96	+ .06	62	59	- 4	S	1	b	*	72	52	-														
Yarmouth ...	29.90	66	S	4	b	29.97	+ .03	60	57	- 5	WSW	3	b	3	67	55	0.09														
Cushaven ...	30.03	76	ESE	2	b	30.01	- .11	66	65	- 1	SW	1	6c	*	77	64	0.02														
Berlin ...	30.04	76	E	1	b	30.04	- .06	67	59	+ 1	ESE	1	b	*	82	63	-														
Wiesbaden ...						30.14	+ .04	68	63	+ 2	S	1	b	*	82	61	-														
Munich ...	30.17	63	NW	2	b	30.25	+ .04	64	60	0	NW	5	o	*	77	57	-														
PENINSULA.																															
The Helder ...	29.95	67	ESE	1	t	30.01	+ .02	64	59	- 3	SW	3	e	3	75	63	0.98														
Brussels ...						30.08	+ .08	63	60	- 6	S	3	b	*	81	59	-														
Cape Gris Nez...	29.93	64	SSW	4	c	30.02	+ .11	62	61	- 5	WSW	7	e	5	72	59	0.55														
Paris ...	30.03	69	WSW	2	b	30.14	+ .12	58	57	- 4	SSW	1	b	*	78	55	0.16														
Brest ...																															
Lorient ...	30.02	63	WSW	5	c	30.06	+ .12	63	60	+ 1	SW	3	e	2	70	57	-														
Rochefort ...	30.13	69	WSW	5	b	30.15	+ .07	65	63	- 2	E	1	o	2	73	61	0.08														
Belfort ...																															
Lyons ...																															
Nice ...																															
Perpignan ...																															
Biarritz ...	30.07	72	NE	4	c	30.08	- .01	69	67	0	S	3	e	0	75	68	-														
Corunna ...																															
Lisbon ...	30.12	68	SW	4	c	30.08	- .10	65	63	+ 3	SW	4	m	2	73	?	-														

For Explanation of Columns, see p. 1.

# WEATHER CHARTS

for 8 a.m. on Monday 6<sup>th</sup> September: 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.

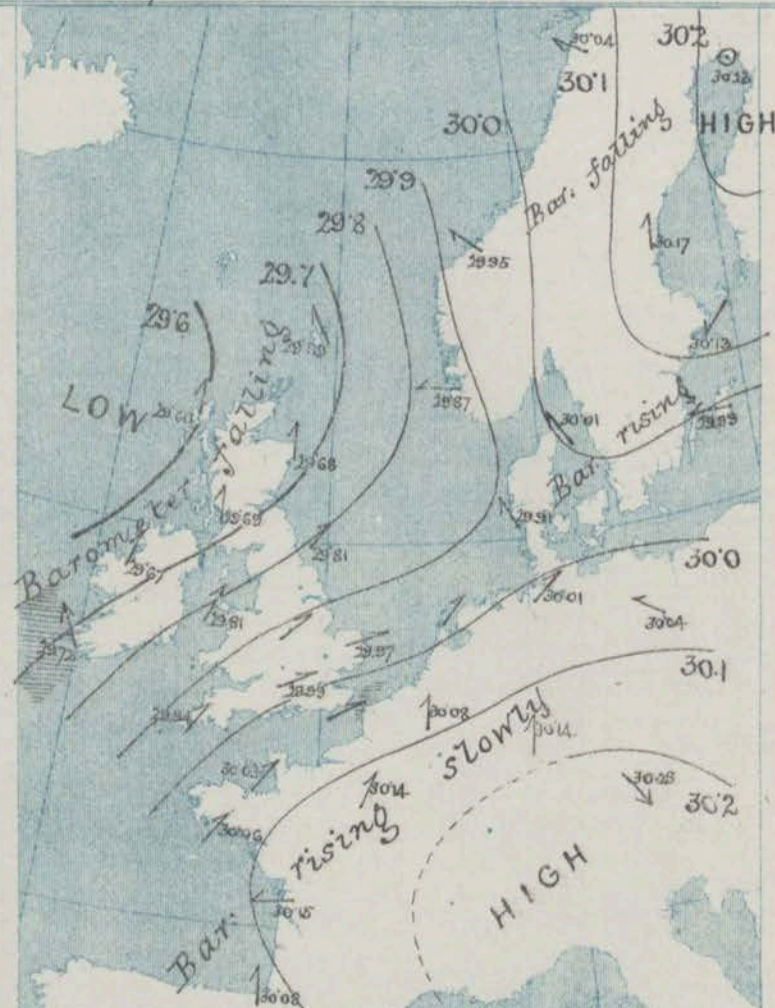
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.758
Stornoway	29.781
Wick	29.786
Nairn	29.812
Aberdeen	29.815
Leith	29.851
Shields	29.876
York	29.913
Ardrossan	29.858
Donaghadee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Rocha's Point	29.923
Pembroke	29.924
Seilly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.956
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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.

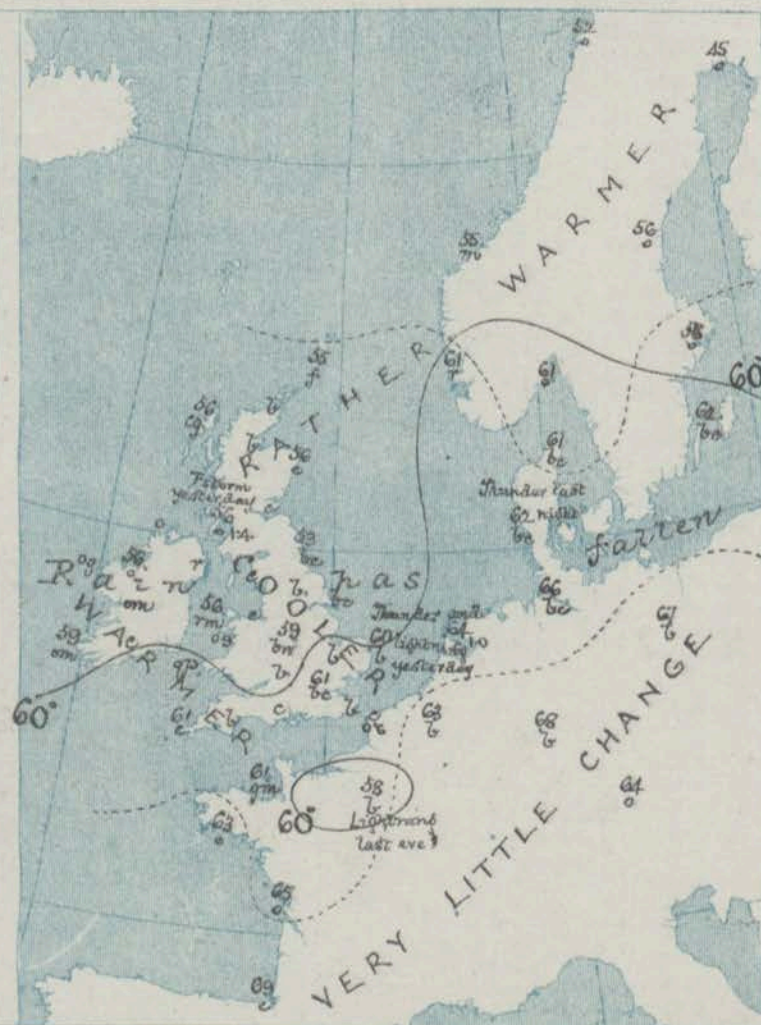
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	55.2	46.2	50.6	49.0	3.46
Stornoway	55.9	45.4	51.0	49.7	4.13
Wick	57.5	45.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.73
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Seilly	61.9	55.2	58.5	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	66.9	49.3	56.4	54.0	2.59
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

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) both in Finland and S. Germany. Lowest (29.6 ins.) off our extreme northwestern coasts. Gradients are moderate, but the barometer is falling in the W. of Ireland, while it is rising a little in France, Germany, and the SE. of England.
TEMPERATURE	Highest 60° to 68° over Germany, France, and our southern coasts. Lowest 55° or 56° on our extreme north and northwest coasts and 45° at Haparanda. Its daily range is smaller than of late.
WIND	SW <sup>ly</sup> to S <sup>ly</sup> in our Islands, SSE at Valencia. SW <sup>ly</sup> in north of France. ESE <sup>ly</sup> on eastern shores of North Sea. It is strong and increasing in the far west, but light in the east and northeast.
WEATHER	Fine in the east and south, dull in the west, with mist and rain in several places. In London the clouds ( <del>detached</del> <sup>5th</sup> cum) are increasing and moving briskly from southwest. They look showerlike.
SEA	Rough in the far west only, — moderate in the south, smooth in the east.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

With the present distribution of pressure the falling barometer and increasing SSE. wind at Valencia point to the advance of a depression from the westward along the west coast of Ireland, the change, however, is slight at present, and probably the weather on our extreme west and northwest coasts only will be affected by it at present. There have therefore been warnings.

The formation, however, of shallow subsidiary disturbances in the south and east may cause some showers in those regions, to be followed by a fine and cool night.

## FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	S <sup>ly</sup> breezes, freshening; fine to showery.	6 { SCOTLAND WEST	S <sup>ly</sup> breezes, increasing; squally, showery.
1 { SCOTLAND EAST	----- D° ----- D° ----- D° -----	7 { ENGLAND N. W.	S <sup>ly</sup> winds, increasing; fair to showery.
2 { ENGLAND N. E.	SW <sup>ly</sup> and S <sup>ly</sup> breezes, moderate; fair generally	8 { ENGLAND S. W.	----- D° ----- D° ----- D° -----
3 { ENGLAND EAST	----- D° ----- D° ----- D° -----	9 { IRELAND NORTH	S <sup>ly</sup> winds, increasing, a gale in the west, squally, showery.
4 { MIDLAND COUNTIES	Same as No 5	10 { IRELAND SOUTH	----- D° ----- D° ----- D° -----
5 { ENGLAND SOUTH	SW <sup>ly</sup> and S <sup>ly</sup> breezes; a few showers, but with bright intervals.	WARNINGS	The south cone has been hoisted this morning in district 6, and in the extreme west and north of Ireland.

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	30.05	64	57	SE 1	c	2	Holyhead ...						
Sumburgh Head							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rochefort ...	30.13	75	66	WSW 5	c	2
Belmullet ...													

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

The reports for yesterday morning showed that the Continental anticyclone still held over Germany and Austria and had extended to the Mediterranean and Spain; over Russia, however, it had given way. Readings at 8 a.m. varied from between 30.1 ins and 30.2 ins over the whole of southern and central Europe to about 29.5 ins over northern and central Russia on the one hand, and to about 29.75 ins in the north-west of Ireland on the other. The depressions recently noticed over France were filling up or passing away to the north-westward. Thus while S.W. and S.W. breezes, with changeable showery weather were prevailing over north-western Europe and N.W. breezes over the Baltic and north-west of Russia, variable air and fine mild weather were still experienced over Central and Southern Europe and the Mediterranean generally. Temperature varied from between 70° and 75° on the northern shores of the Mediterranean and Adriatic to between 55° and 60° in the extreme north-west and to rather below 50° over Lapland and Finland; the highest (morning) values recorded were 34° at Stof and 80° at Biskra (Algeria) 78° at Brindisi and Barcelona and 77° at Trieste and Langunaire; the lowest 47° at Knopio and Archangel, 48° at Nodis and 49° at Haparanda.

The depressions in the north-west subsequently filled up or travelled away to the Atlantic, and the weather after being very showery generally, and in some places locally, began to improve in the south. Temperature, however, did not rise much over England, the highest readings reported being 70° to 72° at some of the inland stations. The wind, however, veered to S.W. and at night the sky cleared over England.

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

FROM THE 29<sup>TH</sup> AUGUST TO THE 4<sup>TH</sup> SEPTEMBER 1886.

The weather experienced over the British Islands and their neighbourhood during the week was of two very distinct types. In the first of these a large anticyclone lay over Germany, France and the southern half of England, and while in all these countries, bright, dry and very warm weather was being experienced, that over the western and northern parts of the Kingdom and west of Norway was cyclonic, showery and cool — with strong S.W. and S.W. winds. Some of the maxima over England were as high as 87°, and on the Continent 90° was exceeded on several occasions.

Very little change occurred until September 1<sup>st</sup>, when the anticyclone in the south began to spread westwards to Ireland causing the wind there to veer and lull and making the air somewhat cooler and drier than it had been. At evening on that day, however, a separate anticyclone was formed in the west, so that the wind veered to the N. over England and the Bay of Biscay, while it was S.W. and E.W. in many other places. The conflict of air currents brought about by these conditions soon produced thunderstorms and heavy rains over France. The change of temperature in England owing to the N.W. winds, rain and heavy clouds, was very large. London being 26° colder at 2 p.m. on Thursday than at the same hour on the previous day. The shallow Continental disturbances now moved northwards to our islands and the week closed with thunderstorms of great severity prevailing in nearly all parts of France and the British Islands.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

# DAILY WEATHER REPORT.

for Tuesday 7<sup>th</sup> September

1886.

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

METEOROLOGICAL OFFICE, No. 5, VICTORIA STREET, LONDON, E.C. 1. H. SCOTT, SECRETARY.																			
STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																			
Haparanda ..	30.12	49	SW	2	c	29.99	-.24	55	49	+ .10	SW	2	0	4	57	51	Ins.		
Hernösand ...	30.12	48	?	1	c	29.99	-.18	56	55	0	SE	2	0	4	61	46	-		
Stockholm ...	30.08	58	E	2	c	30.01	-.12	60	58	+ .2	SE	0	0	4	66	54	-		
Wisby ...	30.01	57	ENE	4	b	29.95	-.04	62	60	0	ENE	4	0	4	72	55	0.04		
Bodö ...	29.93	53	SE	0	b	29.81	-.23	58	55	+ .6	ENE	2	c	1	?	50	-		
Christiansund...	29.81	56	W	1	b	29.74	-.21	58	56	+ .3	ENE	1	b	1	64	52	0.04		
Skudesnaes ...	29.90	59	SSE	6	bc	29.77	-.10	59	55	- .2	SSE	8	0	5	61	59	-		
Christiania Fjord (Fjærd)	29.97	61	?	1	0	29.93	-.13	60	58	- .1	SW	6	bc	2	64	59	0.12		
Skagen (The Scaw)	29.99	60	SSW	3	0	29.97	-.04	58	57	- .3	WSW	2	c	1	64	54	0.08		
Fanö ...	30.05	59	WSW	2	b	29.97	+ .06	64	62	+ .2	SW	4	c	3	68	57	-		
BRITISH ISLANDS.																			
Sumburgh Head	29.61	55	SSE	4	c	29.45	-.24	52	50	- .3	WSW	5	c	5	58	48	0.23		
Stornoway ...	29.49	56	S	5	op	29.51	-.09	51	49	- .5	SSW	5	bp	4	60	46	0.59		
Wick ...	29.58	56	W	2	bc	29.60	-.02	53	49	- .3	SW	4	bc	2	66	44	0.15		
Nairn ...	29.57	60	SSW	1	0	29.61	- .00	53	50	- .5	WSW	3	bc	2	68	48	0.04		
Aberdeen...	29.68	57	S	4	c	29.68	- .00	55	50	- .1	SSW	3	b	1	63	49	0.28		
Leith ...	29.67	62	SW	3	c	29.75	+ .04	53	48	- .7	W	4	b	3	63	48	0.05		
Shields ...	29.77	64	SSW	4	c	29.85	+ .04	53	49	0	SW	2	bc	2	65	50	0.05		
Spurn Head ...	29.89	64	S	4	b	29.97	+ .06	56	54	- .2	SW	3	b	2	70	52	0.02		
York ...	29.85	65	S	2	c	29.94	+ .07	54	51	- .2	S	1	b	3	67	49	0.02		
Loughborough	29.89	65	SSW	3	bc	30.00	+ .07	56	53	- .3	WSW	2	b	3	71	48	0.14		
Ardrossan ...	29.59	58	SSE	3	n	29.76	+ .07	53	52	- .3	SSW	5	0	4	58	51	0.29		
Malin Head ...	29.50	57	S	4	c	29.62	-.06	49	48	- .6	S	4	nm	4	?	47	0.17		
Mullaghmore ...	29.56	53	W	8	ng	29.87	-.10	52	50	- .4	S	8	egp	6	62	50	0.13		
Belmullet ...	29.64	53	W	5	c	29.62	-.04	50	50	- .8	W	3	0	3	58	49	-		
Donaghadee ...	29.59	58	SSW	6	n	29.78	+ .06	51	50	- .4	SSW	5	0	3	62	45	0.16		
Barrow-in-Furness	29.75	62	SE	3	n	29.88	+ .08	54	50	- .4	S	5	bc	3	63	54	0.33		
Liverpool (Bidston)	29.79	61	SSE	2	0	29.93	+ .08	55	51	- .1	SW	2	b	3	68	50	0.04		
Holyhead ...	29.74	58	SSW	6	nm	29.91	+ .10	55	51	- .1	SW	5	bp	4	62	52	0.21		
Parsonstown ...	29.72	55	WSW	2	bc	29.77	+ .01	55	51	- .1	SSW	3	og	3	64	44	0.02		
Valencia ...	29.82	56	WSW	4	c	29.79	+ .07	59	58	0	SSW	7	ogm	6	61	49	0.10		
Roche's Point...	29.87	51	W	4	bc	29.88	+ .08	58	54	- .2	SW	6	c	4	61	49	0.18		
Pembroke ...	29.83	57	WSW	5	n	29.98	+ .12	59	54	- .1	SW	4	bc	4	62	55	0.18		
Scilly ...	29.94	60	SSW	2	0	30.05	+ .06	58	56	- .1	WSW	1	b	1	62	50	0.03		
Prawle Point ...	29.98	65	SSE	3	og	30.05	+ .02	60	57	- .1	NNE	1	bonm	1	67	57	0.12		
Jersey ...	29.96	63	SSW	3	bc	30.04	+ .02	58	56	- .5	W	2	b	1	67	53	0.08		
Hurst Castle ...	29.99	62	WSW	2	bc	29.99	-.03	60	59	- .3	W	2	0	2	67	60	0.02		
Dungeness ...	29.98	63	SSW	2	b	30.02	+ .03	60	57	- .1	WNW	1	mur	4	71	55	-		
London ...	29.93	61	SW	3	c	30.03	+ .05	57	56	- .3	SSW	1	b	3	68	51	0.03		
Oxford ...	29.94	64	S	1	b	30.01	+ .05	58	55	- .4	WSW	1	b	3	71	50	-		
Cambridge ...	29.98	65	SSW	3	b	30.00	+ .03	59	57	- .1	W	2	b	2	69	57	0.01		
Yarmouth ...	30.07	66	W	1	b	30.08	+ .07	61	59	- .5	SSW	1	m	3	70	59	-		
Cuxhaven ...	30.05	74	W	1	b	30.10	+ .06	67	63	0	E	1	b	3	79	64	-		
Berlin ...	?	?	?	?	?	30.10	-.04	64	61	- .4	SW	1	b	3	79	57	-		
Wiesbaden ...	30.23	64	NE	1	b	30.20	-.05	62	59	- .2	NNE	3	b	3	73	52	-		
Munich ...	30.03	59	SSW	1	b	29.99	-.02	62	61	- .2	S	1	0	1	70	57	-		
The Helder ...	?	?	?	?	?	30.04	-.04	64	63	+ .1	SSW	3	A	3	72	61	0.28		
Cape Gris Nez...	30.02	62	SW	4	b	29.98	-.04	65	64	+ .3	SSW	4	0	2	68	59	-		
Paris ...	30.07	68	WNW	1	b	30.04	-.10	63	63	+ .5	NE	1	b	3	75	?	-		
Brest ...	29.97	62	S	4	n	30.07	+ .06	55	54	- .5	NNE	3	bc	3	64	54	0.32		
Lorient ...	30.03	65	S	3	0	30.05	-.07	61	59	- .2	ENE	4	0	2	72	54	0.12		
Rochefort ...	30.07	71	W	4	c	30.09	-.06	68	68	+ .3	WNW	3	0	3	?	?	-		
Belfort ...	30.09	73	E	3	b	30.11	+ .04	61	55	+ .6	W	1	b	2	78	54	-		
Lyons ...	30.06	76	NE	1	c	30.11	- .03	65	64	0	WSW	1	0	3	83	62	-		
Nice ...	30.11	69	SSW	1	0	30.12	-.03	67	64	0	E	3	b	3	79	61	-		
Perpignan ...	30.06	72	E	3	0	30.10	-.03	70	69	- .1	W	0	bc	3	80	68	-		
Biarritz ...	30.01	75	NE	4	m	30.05	-.03	68	66	- .1	W	0	tl	0	79	64	0.16		
Corunna ...	?	?	?	?	?	29.98	-.10	66	64	+ .1	W	7	c	3	75	64	0.08		
Lisbon ...	29.98	?	S	7	c	29.98	-.10	66	64	+ .1	W	7	c	3	75	64	0.08		

For Explanation of Columns, see p. 4.

# WEATHER CHARTS

for 8 a.m. on Tuesday, 7<sup>th</sup> September 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

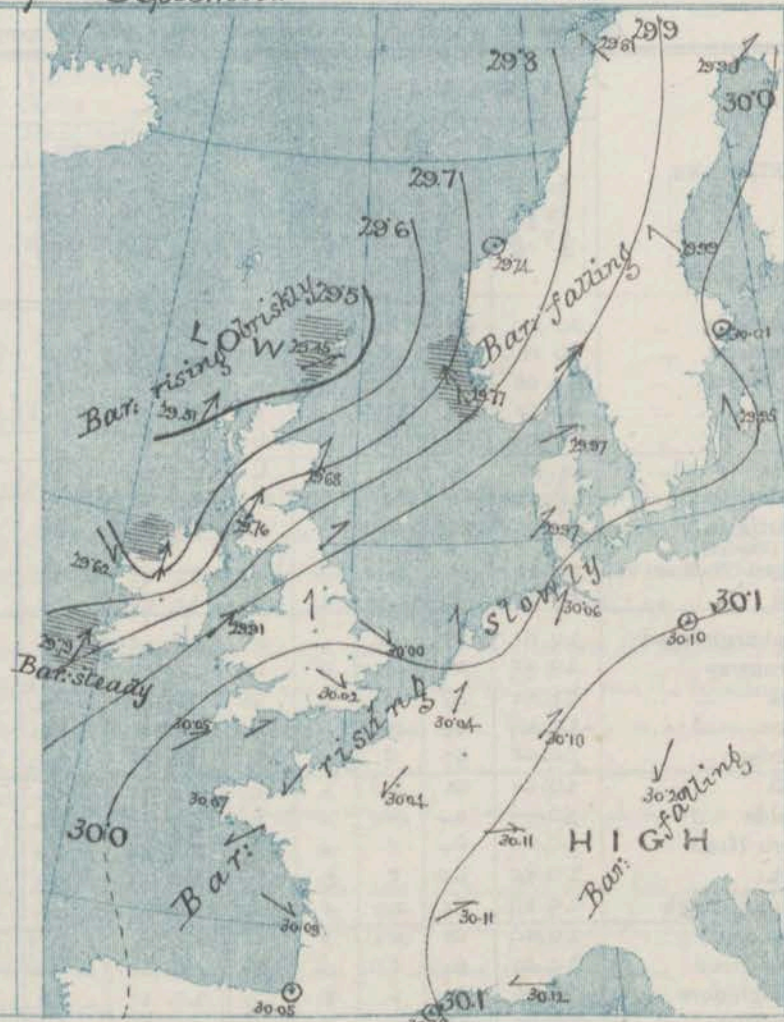
■ — Rough. ■ — High.

## MEAN HEIGHT of the BAROMETER

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

During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.758
Stornoway	29.781
Wick	29.786
Nairn	29.812
Aberdeen	29.815
Leith	29.851
Shields	29.876
York	29.913
Ardrossan	29.858
Donaghadee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roche's Point	29.928
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.956
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.1 in: to 30.2 in: over the southern parts of Germany and France. Lowest 29.5 in: and less off the north of Scotland. Gradients rather steep in the north-west, very slight over the Continent and south of England. Barometer very unsteady in west and north-west.
TEMPERATURE	Highest 65° to 70° over the south of France. Lowest 50° to 52° in extreme north-west and north of British Isles. Lower over the British Isles generally than at 8 am yesterday.
WIND	Very variable in France and Germany— Light SW <sup>ly</sup> and W <sup>ly</sup> over England. Strong to a gale from the S <sup>W</sup> on our west and north-west coasts, but varying locally.
WEATHER	Variable at the Swedish and Norwegian stations. Squally and rainy in west and north-west— Fine over England and Germany. Unsettled in France, with thunderstorms locally.
SEA	Rough in the west and north, smooth in the east and south.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The small high pressure area shown over the north of Scandinavia yesterday has passed eastwards out of our area. The small, but rather irregularly formed depressions in the north and north-west are passing away to the northwards, and the barometer seems to have begun rising again in Ireland. As, however, the wind is still strong and S<sup>ly</sup> at Valencia, and pressure has been changing very fitfully in the west during the past twenty-four hours, unsettled weather will probably continue in those regions.

There is nothing to indicate the probable movements of the shallow depression over France, so that unsettled weather is still likely to prevail there.

At present the weather seems likely to remain fine over England.

## FORECASTS

For the 24 hours ending at NOON on 8<sup>TH</sup> September 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	S <sup>ly</sup> winds, freshening; some rain.	6 { SCOTLAND WEST	S <sup>ly</sup> and varying winds, strong, a gale at times, rainy, unsettled.
1 { SCOTLAND EAST	S <sup>ly</sup> breezes, freshening; fine to showery and squally.	7 { ENGLAND N. W.	-----D°-----D°-----D°-----
2 { ENGLAND N. E.	-----D°-----D°-----D°-----	8 { ENGLAND S. W.	Same as N° 5
3 { ENGLAND EAST	Same as N° 5	9 { IRELAND NORTH	S <sup>ly</sup> winds, strong to a gale; squally, rainy.
4 { MIDLAND COUNTIES	Same as N° 5.	10 { IRELAND SOUTH	-----D°-----D°-----D°-----
5 { ENGLAND SOUTH	W <sup>ly</sup> to S <sup>ly</sup> breezes, light and fine at first, freshening and less settled later.	WARNINGS	The south cone is still flying in districts 6 and 9.

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	29.89	59	58	SSE 6	n	4	Holyhead ...	29.80	61	60	SSW 5	eqm	4
Snunburgh Head	29.65	57	56	SE 3	c	4	Valencia ...	29.77	56	54	W 6	ng	5
Stornoway ...	29.56	56	55	SSE 4	d	4	Scilly ...						
Aberdeen ...	29.71	60	57	S 4	c	1	Dungeness ...	30.02	66	62	WSW 2	bc	3
Shields ...	29.81	63	58	SW 4	c	2	London ...	30.00	68	59	SSW 3	c	4
Ardrossan ...	29.69	58	57	SSW 4	o	3	Yarmouth ...	29.98	67	62	SSE 4	b	3
Malin Head ...	29.58	58	57	S 4	c	4	Jersey ...	30.02	66	63	SSE 3	o	3
Mullaghmore ...	29.58	59	56	SSE 5	op	4	Rochefort ...	30.12	77	73	ESE 3	c	2
Belmullet ...	29.55	57	57	S 5	om	4							

## GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The report for yesterday showed that a large anticyclonic system lay over the whole of Central Europe, France and the Mediterranean, while low pressure systems lay over the north of Russia and off our northwestern coasts. The gradients were slight except in the neighbourhood of the depression referred to, where they were moderate, and the consequence was that while variable air were experienced over the greater part of the Continent, S<sup>2</sup> winds were reported in the British Isles and west of France, and N<sup>2</sup> winds over Finland and Western Russia. Temperature had fallen decidedly at the Russian stations, and seemed inclined to give way generally. The morning readings varied from between 66° and 72° over the south of France and the northern shore of the Adriatic to between 52° and 56° in the north and northwest of our Islands, and to very little above 40° over Finland and Central Russia. The highest individual readings were 81° at Biskra (Algiers), 77° at Malta, Brindisi, and Palma, 73° at Legna, and 72° at Trieste and Perpignan, the lowest 42° at Uleaborg, 44° at Moscow and Archangel, 45° at Haparanda, and 55° at Christiansund, Lumburgh Head, and Malin.

During the day some small depressions off our west and north-west coasts caused SW<sup>2</sup> gales and rain at our western stations, while over England the weather remained fair. Over Central France, however, shallow disturbances were developed, and thunderstorms again prevailed in many places. Temperature rose to 70° or 71° in many parts of England, to 73° at Berlin and Wiesbaden, and to 80° or more at some of the southern French stations. Over England the night was cool.

### 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 8<sup>th</sup> September 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 ..	29.75	54	W	6	0	29.61	-.38	55	53	0	W	4	bc	*	59	46	-	
	Hernösand ...	29.80	54	S	4	0	29.83	-.16	55	50	-1	L	0	b	*	59	46	-	
	Stockholm ...	29.97	58	WSW	2	b	29.96	-.05	60	58	0	W	2	bc	*	72	54	-	
	Wisby ...	29.95	60	W	4	b	29.92	-.03	63	60	+1	SW	4	bc	*	66	54	-	
	Bodö ...	29.61	56	SE	1	0	29.71	-.10	51	49	-7	WSW	6	0	3	59	48	0.28	
	Christiansund...	29.75	51	ESE	1	b	29.71	-.03	57	49	-1	ESE	1	b	1	61	48	0.04	
	Skudeuaes ...	29.91	58	S	7	c	29.82	+0.5	58	54	-1	SSE	8	0	5	61	57	-	
	Christiania Fjord (Fjorder)	29.91	61	WSW	6	b	29.93	0.0	56	51	-4	WSW	4	b	2	61	55	-	
	Skagen (The Scaw)	29.98	56	S	3	b	29.96	-.01	57	55	-1	L	0	b	0	64	48	0.04	
	Fanö ...	29.99	59	L	0	b	29.86	-.11	62	61	-2	SE	4	c	*	68	59	-	
BRITISH ISLANDS.	Sumburgh Head	29.60	53	S	4	c	29.50	+0.5	55	54	+3	S	4	b	5	55	49	0.01	
	Stornoway ...	29.55	54	SSW	5	bc	29.22	-.29	56	50	+5	S	6	rq	6	60	46	0.39	
	Wick ...	29.61	56	SW	4	bc	29.47	-.13	57	55	+4	SSW	4	cu	3	58	52	-	
	Nairn ...	29.64	55	SSW	2	bc	29.45	-.16	60	55	+7	S	1	0	2	60	50	-	
	Aberdeen...	29.70	58	SW	4	b	29.50	-.18	57	55	+2	S	6	og	2	61	52	-	
	Leith ...	29.73	60	W	3	c	29.51	-.24	61	57	+8	SW	3	c	*	63	52	-	
	Shields ...	29.86	62	SW	4	c	29.67	-.18	55	54	+2	S	4	c	2	64	51	-	
	Spurn Head ...	29.95	63	SSW	3	b	29.81	-.16	57	55	+1	SSW	4	b	2	69	54	-	
	York ...	29.92	64	S	2	b	29.76	-.18	56	54	+2	SSE	2	bc	*	68	50	-	
	Loughborough	29.96	61	SSW	2	b	29.82	-.18	57	54	+1	SW	3	bc	*	68	49	-	
GERMANY.	Ardrossan ...	29.71	57	S	3	0	29.43	-.33	58	57	+5	S	5	c	4	59	52	0.15	
	Malin Head ...	29.56	56	S	4	0	29.24	-.38	55	52	+6	SSW	7	c	5	59	48	0.56	
	Mullaghmore	29.60	58	SSW	6	0	29.31	-.26	56	55	+4	SW	6	op	4	62	50	1.37	
	Belmullet ...	29.57	58	SSW	5	0	29.31	-.31	55	54	+5	SW	7	0	*	59	50	0.60	
	Donaghadee ...	29.73	58	SW	6	0	29.45	-.33	59	59	+8	SSW	7	0	5	62	50	0.01	
	Barrow-in-Furness	29.88	60	SSW	6	0	29.65	-.23	59	58	+5	SSE	5	0	*	61	54	0.10	
	Liverpool (Bidston)	29.90	61	SSW	2	c	29.70	-.23	60	57	+5	S	1	c	3	66	55	-	
	Holyhead ...	29.87	58	SSW	6	0	29.64	-.27	60	59	+5	SSW	7	omg	6	61	55	0.04	
	Parsonstown ...	29.74	60	W	2	0	29.50	-.27	58	56	+3	WSW	2	og	*	61	54	0.11	
	Valencia ...	29.73	60	S	7	0	29.52	-.27	59	57	0	SSW	7	ow	6	62	55	0.17	
FRANCE & NETHERLANDS.	Roche's Point...	29.82	59	SW	6	c	29.61	-.27	58	56	0	WSW	6	rq	5	62	48	0.23	
	Pembroke ...	29.93	60	SSW	5	0	29.74	-.24	60	59	+1	SSW	6	0	5	62	58	0.02	
	Scilly ...																		
	Prawle Point ...	30.03	58	SSW	2	b	29.91	-.14	59	58	+1	SSW	4	0	4	64	50	-	
	Jersey ...	30.04	61	NNW	1	c	29.99	-.06	60	56	0	WSW	3	bc	3	64	54	-	
	Hurst Castle ...	30.03	61	WSW	4	b	29.93	-.11	61	58	+3	SW	5	c	2	67	57	-	
	Dungeness ...	30.02	63	N	2	bc	29.95	-.04	61	57	+1	WSW	2	b	2	67	50	-	
	London ...	29.99	62	SW	2	bcu	29.93	-.09	61	57	+1	SSW	2	b	*	72	49	-	
	Oxford ...	29.99	57	SW	2	b	29.88	-.15	58	56	+1	S	2	bcu	*	69	51	-	
	Cambridge ...	29.98	62	WSW	1	b	29.85	-.13	59	56	+1	SW	1	b	*	71	46	-	
PENINSULA.	Yarmouth ...	30.00	62	SE	3	b	29.90	-.10	58	55	-1	WSW	2	b	2	65	50	-	
	Cuxhaven ...	30.07	69	N	2	c	29.96	-.12	67	66	+6	SSE	2	r	*	73	?	0.06	
	Berlin ...	30.04	75	L	0	bc	30.16	+0.6	66	61	-1	ESE	1	c	*	82	63	-	
	Wiesbaden ...	*	*	*	*	*	29.98	-.12	65	64	+1	L	0	0	*	79	61	0.35	
	Munich ...	30.15	64	SE	2	b	30.08	-.12	62	59	0	SW	3	bc	*	77	52	-	
	The Helder ...	30.01	64	NE	?	b	29.90	-.09	63	60	+1	NW	1	b	1	66	?	-	
	Brussels ...	*	*	*	*	*	29.96	-.08	62	60	-2	W	1	0	*	75	61	0.32	
	Cape Gris Nez...	30.04	63	L	0	bc	29.95	-.03	59	55	-6	NW	1	c	1	66	57	-	
	Paris ...	30.03	65	NE	1	0	30.01	-.03	61	61	-2	N	1	0	*	75	60	0.67	
	Brest ...	30.06	62	NNW	1	b	30.01	-.06	60	59	+5	SW	4	0	4	66	54	-	
PENINSULA.	Lorient ...	30.05	65	NNW	3	b	30.04	-.01	60	58	-1	W	4	b	2	70	52	-	
	Rochefort ...	30.05	71	NNW	4	b	30.07	-.02	67	66	-1	NNW	5	0	2	81	63	0.04	
	Belfort ...																		
	Lyons ...	30.01	77	E	1	c	30.02	-.09	68	61	+3	S	3	c	*	84	65	-	
	Nice ...	30.10	69	S	1	m	30.06	-.06	67	66	0	S	3	f	0	81	63	-	
	Perpignan ...	30.02	73	E	4	0	30.02	-.08	71	69	+1	SW	1	bc	*	83	63	-	
	Biarritz ...	29.96	70	ENE	3	c	30.05	0.0	69	67	+1	WSW	4	c	2	77	66	0.51	
	Corunna ...																		
	Lisbon ...	30.12	64	N	7	0	30.17	+0.19	62	59	-4	N	5	b	5	68	61	-	

For Explanation of Columns, see p. 4.

# WEATHER CHARTS

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

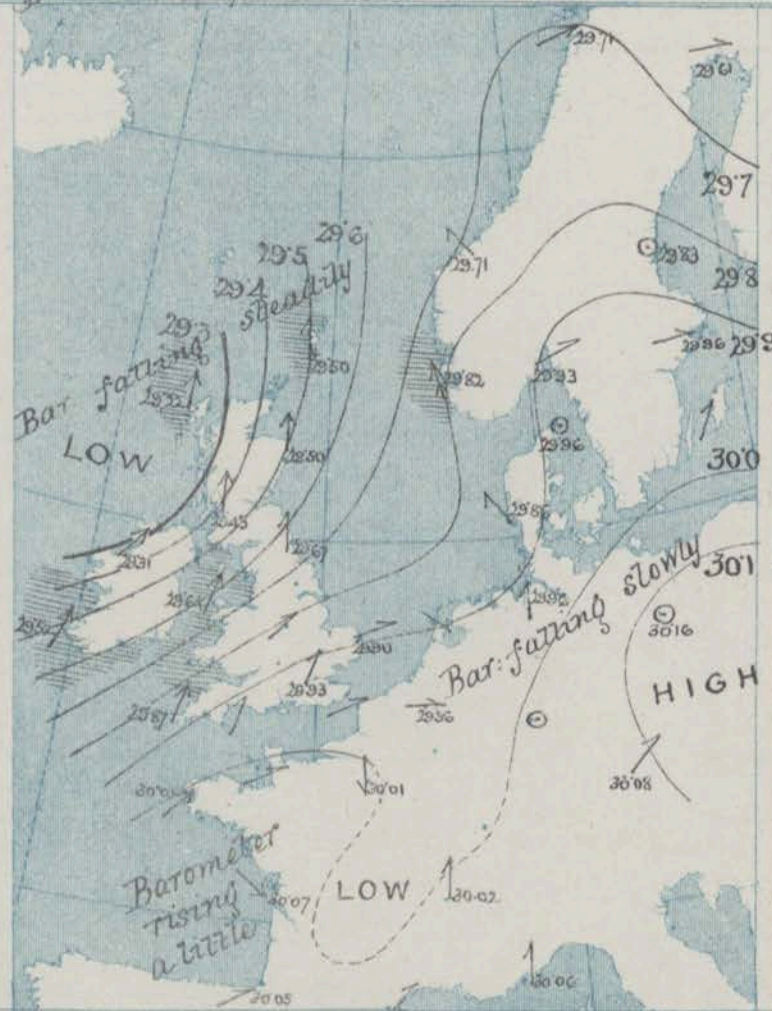
**Sea Disturbance** — where considerable is shown thus

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.758
Stornoway	29.781
Wick	29.786
Nairn	29.812
Aberdeen	29.815
Leith	29.851
Shields	29.876
York	29.913
Ardrossan	29.858
Donaghadee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roche's Point	29.923
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.956
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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.

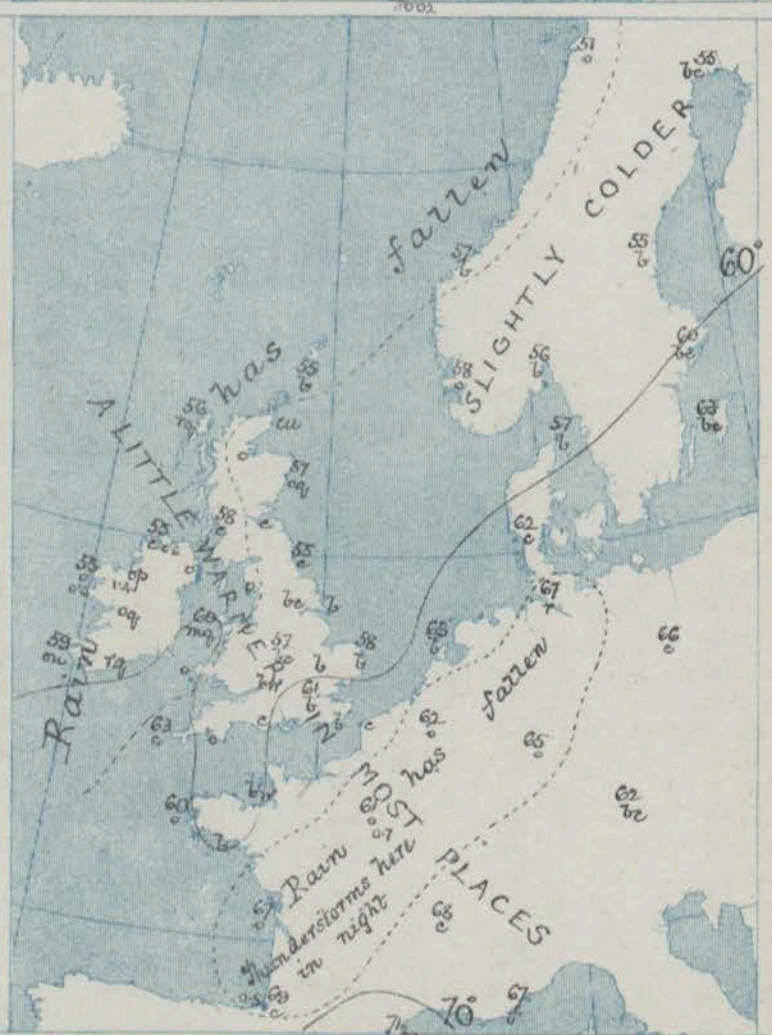
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet	
Sumburgh Head	55.2	46.2	50.6	49.0	3.46
Stornoway	55.9	45.4	51.0	49.7	4.13
Wick	57.5	45.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.73
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.6	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.3	55.4	2.56
LONDON	66.9	49.3	56.4	54.0	2.59
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

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, 30.0 ins to 30.16 ins over France and Germany  
Lowest, about 29.2 ins off our north-western coasts.  
Gradients are slight on the Continent, rather steep over the western and northern parts of our islands. Barometer falling

TEMPERATURE

Highest,  $65^{\circ}$  to  $71^{\circ}$  over Germany and south of France.  
Lowest,  $55^{\circ}$  at Belmullet, Malin Head, Lumburgh Head and Haparanda, and  $51^{\circ}$  at Bodø.  
Rather higher in our islands than at 8 am yesterday.

WIND

S.W. strong to a gale on our western and north-western coasts.  
S.W. moderate to light in the east.  
Variable in France. S.E. in Denmark and Norway.

## WEATHER

Is still unsettled and inclined to be thundery over France, but fair over Germany, England and the eastern shores of the North Sea. In the west of our islands, however, it is dull, squally, rainy and a thundery appearance is reported at Valencia and Allick. In London slight cirriform clouds are passing over from the southwestward, fresh cum beneath moving fast from the same direction.

SEA

Is rough in the north-west and extreme north, smooth or nearly so in the east and south.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now falling fast in the north-west and to a smaller extent in the east and south. At Valencia Island, it is inclined to rise again. The depression in the north-west is therefore passing off. With the present distribution of pressure, however, it is probable that other disturbances will appear in the west shortly, and spread more over the Kingdom than that now passing away. The cirrus motion in London is probably due to the shallow disturbance over France rather than to the large system in the north-west.

## FORECASTS

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

DISTRICTS.		FORECASTS.		DISTRICTS.		FORECASTS.	
0	{ SCOTLAND NORTH	S <sup>ly</sup> winds, strong to a gale; showery.		6	{ SCOTLAND WEST	S <sup>ly</sup> and SW <sup>ly</sup> winds, strong to a gale; squally, showery.	
1	{ SCOTLAND EAST	S <sup>ly</sup> winds, fresh or strong; squally and showery, to fair.		7	{ ENGLAND N. W.	-----D°-----D°-----	
2	{ ENGLAND N. E.	SW <sup>ly</sup> and S <sup>ly</sup> breezes, moderate to fresh; gusty, fair as a whole.		8	{ ENGLAND S. W.	Same as N° 1	
3	{ ENGLAND EAST	-----D°-----D°-----		9	{ IRELAND NORTH	S <sup>ly</sup> gales and strong winds; squally, showery.	
4	{ MIDLAND COUNTIES	Same as N° 1		10	{ IRELAND SOUTH	-----D°-----D°-----	
5	{ ENGLAND SOUTH	SW <sup>ly</sup> winds, fresh to light, fair as a whole.		WARNINGS		The S. cone was hoisted last evening in districts 0, 6, 7, 9, and 10.	

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes ...	29.89	60	53	SSW	6	c	5	Holyhead ...	29.91	59	55	SSW	6	cq	5
Sumburgh Head ...	29.62	53	51	WSW	4	c	5	Valencia ...	29.79	61	59	SSW	6	om	6
Stornoway ...	29.54	52	50	SSW	5	boghtp	5	Scilly ...							
Aberdeen ...	29.72	56	51	SSW	6	dp	2	Dungeness ...	30.04	65	61	ESE	3		2
Shields ...	29.89	62	52	SSW	4	bc	2	London ...	30.03	70	57	SW	2	bc	4
Ardrossan ...	29.75	57	56	S	7	o	5	Yarmouth ...	30.03	60	58	E	2	bv	2
Malin Head ...	29.71	55	53	S	3	o	3	Jersey ...	30.06	63	57	NNW	1	o	1
Mullaghmore ...	29.70	60	57	WSW	4	c	2	Rochefort ...	30.09	78	71	SW	1	c	2
Belmullet ...	29.67	57	55	S	5	og	4								

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

Yesterday morning's report showed that the depression noticed over Central Russia on Monday had disappeared, and that readings had become uniformly high between 30.1 ins. and 30.2 ins. over Russia, Austria, the Balkan Peninsula, Italy, and the Eastern Mediterranean. From these regions pressure decreased in a NW<sup>2</sup> direction, and off the northwest coast of the British Islands there were some small depressions moving in a northerly direction, while over France there were some very shallow disturbances the motion of which was not evident. The wind was consequently chiefly SW<sup>2</sup>, and blew strongly in the extreme northwest. Over France and at some of the northwestern stations, however, it was variable both in direction and force. Temperature (which had fallen in the United Kingdom) varied from 68° and upwards over the Peninsula, the south of France, and the northern and eastern shores of the Adriatic to about 50° on the north-western coast of the British Isles, and to a still lower value over Finland and Central Russia. The highest individual readings at 8 am were 78° at several of the Algerian stations, with Malta, Brindisi and Palma, 77° at C. Beaulieu, and 73° at Lesina and Sanguinaires; the lowest 50° at Belmullet and Stornoway, 48° at Kuopio (Finland) 42° at Moscow and 40° at Archangel. The weather was very fine over Eastern and Central Europe, as well as over England, unsettled, thundery, and showery in France, squally and wet on our western coasts.

During the day the weather improved temporarily in the west, and remained fine over England, but unsettled in France, where thunderstorms again occurred. Temperature rose to between 68° and 72° over England, and to between 60° and 62° at several of the French and some of the German stations, but not rise much above 60° in Ireland or Scotland. During the night, however, the weather again broke up in the west of Ireland, where S<sup>2</sup> gales set in with heavy rain.

### 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 9<sup>th</sup> September 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.	
	Inch.	°					Inch.	Inch.	°	°	°					°	°	Inch.
SCANDINAVIA.																		
Haparanda ..	29.63	50	SW	2	b		29.58	- 0.3	54	51	- 1	SW	2	bc	4	64	45	-
Hernösand ..	29.75	51	SW	0	b		29.60	- 2.3	56	51	+ 1	SSW	2	0	4	66	48	-
Stockholm ...	29.84	61	S	4	0		29.75	- 2.1	61	59	+ 1	N	2	0	4	72	52	0.04
Wishby ...	29.86	61	S	4	h		29.76	- 1.6	62	60	- 1	WNW	4	0	4	72	57	0.28
Bodö .....	29.86	50	SW	4	h		29.41	- 3.0	53	51	+ 2	E	2	b	1	64	50	0.32
Christiansund...	29.52	59	E	1	0		29.43	- 2.8	56	53	- 1	W	3	c	3	63	52	-
Skudesnaes ...	29.63	59	SSW	8	0		29.65	- 1.7	56	53	- 2	WSW	4	c	5	63	52	-
Christiania Fjord (Færd)	29.75	61	SSW	4	0		29.63	- 3.0	61	60	+ 5	SW	8	0	3	63	52	0.20
Skagen (The Scaw)	29.75	61	SE	2	0		29.74	- 2.2	60	59	+ 3	SW	4	0	3	63	57	0.04
Fanö .....	29.83	61	SW	4	c		29.84	- 0.2	63	60	+ 1	WSW	6	c	4	70	59	-
BRITISH ISLANDS.																		
Sumburgh Head	29.23	55	S	4	c		29.48	- 0.2	52	50	- 3	SW	4	b	5	58	49	0.04
Stornoway ...	29.22	51	SW	4	bq		29.40	+ 1.8	53	51	- 3	S	5	op	5	58	47	0.31
Wick ...	29.35	54	W	5	bc		29.53	+ 0.6	53	49	- 4	S	3	0	2	64	46	0.12
Nairn ...	29.33	54	SW	4	c		29.52	+ 0.7	53	48	- 7	WSW	1	c	2	66	45	0.14
Aberdeen...	29.38	54	SSW	4	bp		29.62	+ 1.2	52	49	- 5	SSW	3	c	2	63	44	0.04
Leith ...	29.45	59	SW	4	b		29.63	+ 1.2	56	52	- 6	S	2	c	4	67	47	0.04
Shields ...	29.55	60	SW	4	bc		29.71	+ 0.4	54	52	- 1	SW	3	c	2	67	51	0.07
Spurn Head ...	29.72	64	SSW	6	bc		29.83	+ 0.2	61	59	+ 4	SSW	4	bc	2	66	56	0.01
York ...	29.64	64	S	4	h		29.78	+ 0.2	57	55	+ 1	S	3	0	4	69	52	0.04
Loughborough	29.74	63	SSW	4	c		29.84	+ 0.2	59	57	+ 2	SW	3	c	4	68	56	0.07
GERMANY.																		
Ardrossan ...	29.46	56	SW	5	c		29.56	+ 1.3	55	54	- 3	S	4	c	3	63	52	0.15
Malin Head ...	29.42	54	W	4	c		29.38	+ 1.4	53	50	- 2	S	5	h	4	59	48	0.09
Mullaghmore ...	29.48	54	W	3	cp		29.33	+ 0.2	57	52	+ 1	SSW	4	og	5	61	51	0.17
Belmullet ...	29.53	57	W	5	bc		29.17	- 1.4	58	56	+ 3	S	11	0	4	58	52	0.34
Donaghadee ...	29.51	58	SW	6	bc		29.57	+ 1.2	55	55	- 4	SSW	5	0	3	63	43	0.06
FRANCE & NETHERLANDS.																		
Barrow-in-Furness	29.59	60	S	5	b		29.70	+ 0.5	59	55	0	S	6	c	4	63	56	0.14
Liverpool (Midston)	29.65	58	SSW	3	b		29.73	+ 0.3	56	53	- 4	SSW	2	c	3	68	53	0.17
Holyhead ...	29.64	58	SSW	7	qbm		29.70	+ 0.6	59	57	- 1	SSW	6	cgm	6	61	56	0.40
Parsonstown ...	29.59	58	WNW	2	bc		29.49	- 0.1	58	54	0	SSW	3	ogm	4	62	49	-
Valencia ...	29.65	57	WSW	6	cp		29.43	- 0.9	61	60	+ 1.2	S	9	hmv	7	63	54	0.19
SPAIN.																		
Roche's Point...	29.70	59	WSW	5	c		29.61	- 0.0	60	58	+ 2	SW	7	p	5	63	55	0.04
Pembroke ...	29.73	61	SW	7	c		29.75	+ 0.1	60	60	0	SSW	7	c	6	62	55	0.30
SCOTLAND.																		
Scilly ...	29.88	60	SSW	6	0		29.91	- 0.0	60	60	+ 1	SW	5	ogm	5	63	57	0.01
Prawle Point ...	29.98	64	SW	4	cgm		30.00	+ 0.1	63	62	+ 3	SSW	5	cmm	4	67	59	-
IRELAND.																		
Jersey ...	29.98	64	SW	4	cgm		30.00	+ 0.1	63	62	+ 3	SSW	5	cmm	4	67	59	-
ENGLAND.																		
Hurst Castle ...	29.90	63	SW	7	c		29.94	+ 0.1	61	61	0	SW	6	dm	5	65	60	0.07
Dungeness ...	29.92	63	WSW	5	c		29.95	- 0.0	63	62	+ 2	WSW	5	0	5	67	61	-
London ...	29.88	63	SW	4	c		29.93	- 0.0	63	61	+ 2	SSW	3	c	4	69	60	-
Oxford ...	29.84	62	SSW	5	0		29.89	+ 0.1	62	60	+ 4	S	3	og	8	66	57	0.06
Cambridge ...	29.83	64	SW	8	bc		29.87	+ 0.1	64	62	+ 5	S	1	c	4	70	56	0.17
FRANCE & NETHERLANDS.																		
Yarmouth ...	29.82	66	SW	4	bc		29.90	- 0.0	62	61	+ 4	SSW	2	c	3	70	66	0.08
Cuxhaven ...	29.93	?	SW	?	c		29.99	+ 0.3	63	61	- 4	WSW	4	bc	4	70	60	0.28
GERMANY.																		
Berlin ...	29.90	73	WNW	1	c		30.07	- 0.9	66	59	- 1	WNW	1	b	4	61	63	-
Wiesbaden ...	?	?	?	?	?		30.12	+ 1.4	63	61	- 2	W	0	c	4	79	55	0.12
Munich ...	30.15	64	W	5	0		30.23	+ 1.5	60	59	- 2	W	3	0	4	77	57	0.32
FRANCE & NETHERLANDS.																		
The Helder ...	29.90	63	SW	3	b		29.94	+ 0.4	65	61	+ 2	SW	5	d	3	66	63	-
Brussels ...	?	?	?	?	?		30.06	+ 1.0	61	58	- 1	SW	3	b	4	71	57	-
Cape Gris Nez...	29.96	63	SW	7	c		29.97	+ 0.2	62	61	+ 3	SW	7	0	5	66	?	-
Paris ...	30.04	67	WSW	1	bc		30.15	+ 1.4	56	52	- 5	S	1	b	4	76	51	-
Brest ...	30.00	62	SSW	5	0		29.97	- 0.4	62	61	+ 2	SW	5	m	?	?	?	-
FRANCE & NETHERLANDS.																		
Lorient ...	30.08	64	WSW	5	bc		30.07	+ 0.3	64	61	+ 4	SW	5	0	3	72	55	-
Rochefort ...	30.17	67	WNW	5	b		30.21	+ 1.4	63	62	- 4	SSW	4	c	2	72	59	-
Belfort ...	30.02	69	SW	3	0		30.17	- 0.1	59	56	- 4	SW	1	c	4	73	54	-
Lyons ...	30.08	70	WSW	1	c		30.15	+ 1.3	64	61	- 4	WNW	3	b	4	77	61	-
Nice ...	30.02	71	E	3	h		30.03	- 0.3	68	61	+ 1	ENE	1	b	1	82	63	0.04
FRANCE & NETHERLANDS.																		
Perpignan ...	30.02	75	WNW	1	b		30.12	+ 1.0	68	65	- 3	SW	1	b	4	82	66	-
Biarritz ...	30.16	69	W	4	b		30.18	+ 1.0	73	71	+ 4	E	4	0	2	73	61	-
PORTUGAL.																		
Corunna ...	?	?	?	?	?		?	?	?	?	?	?	?	?	?	?	?	-
Lisbon ...	30.12	67	WNW	7	b		30.13	- 0.4	61	57	- 1	WNW	4	b	2	74	58	-

# WEATHER CHARTS

for 8 a.m. on Thursday, 9<sup>th</sup> September, 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.

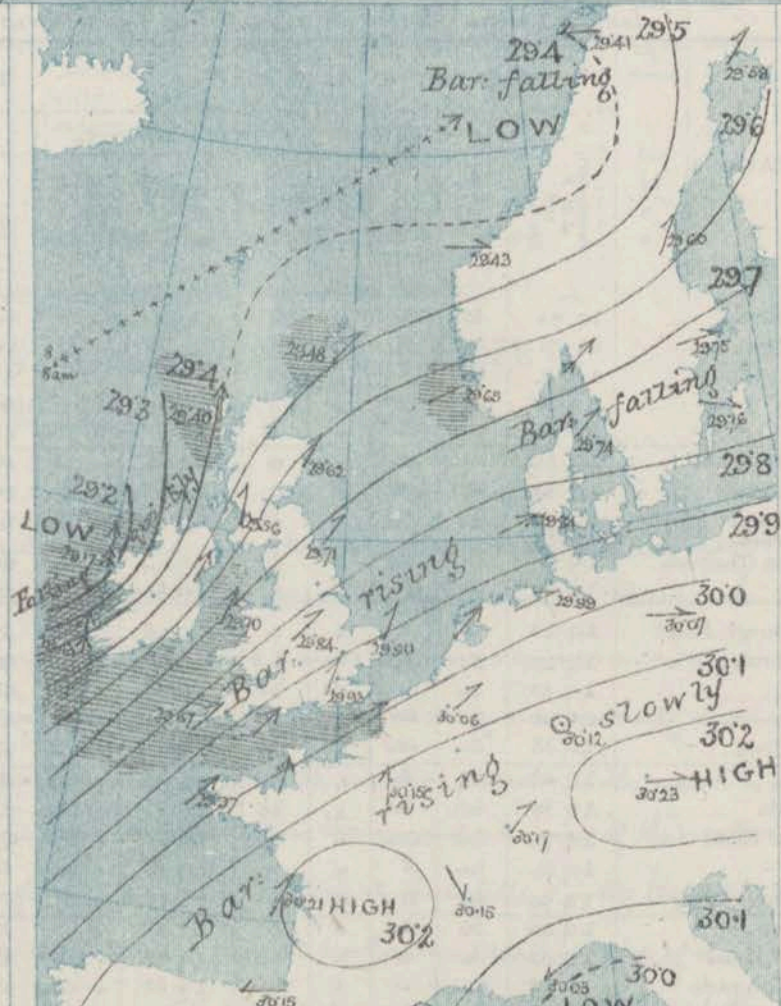
**Sea Disturbance**—where considerable is shown thus

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.758
Stornoway	29.781
Wick	29.786
Nairn	29.812
Aberdeen	29.815
Leith	29.851
Shields	29.876
York	29.913
Ardrossan	29.858
Donaghadee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roche's Point	29.923
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.956
Oxford	29.943
Cambridge	29.948
Yarmouth	29.928



## 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 September.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry	Wet.	
Sumburgh Head	55.2	46.2	50.6	49.0	3.46
Stornoway	55.9	46.4	51.0	49.7	4.13
Wick	57.5	46.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.73
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	40.0	53.4	51.2	2.58
York	63.2	47.8	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.5	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	66.9	49.3	56.4	54.0	2.59
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

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	<p>Highest 30.0 to 30.2 ins. over Germany, France and Spain.          Lowest 29.2 ins. and less off the west of Norway.          Gradients steep in north-west, moderate elsewhere. Barometer falling fast north and north-west.</p>
TEMPERATURE	<p>Highest 73° at Biarritz, 68° at Perpignan and Nice, 66° at Berlin.          Lowest 53° at Malin Head and Stromway, 52° at Sumburgh Head.          It is slightly higher in Ireland and England than it was yesterday, lower elsewhere.</p>
WIND	<p>SW<sup>ly</sup> fresh over England - S<sup>ty</sup> strong to a severe gale in Ireland.          SW<sup>ly</sup> light in north-east of Scotland. SW<sup>ly</sup> and generally moderate on the Continent.          It has backed from four to eight points in the west during the night.</p>
WEATHER	<p>Dull, squally and rainy in the west and north-west. Fair but more cloudy than of late in east and south-east.          Appearance of sky in our Islands unsettled generally, but no <u>cinco</u> has been reported this morning.</p>
SEA	<p>High in the extreme west, but rather rough in the west and south generally.</p>

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed in the NW yesterday passed completely away to the northward during the night. Its centre seems to be now somewhere off the NW of Norway.

The depression now off our extreme western coast is a new system which advanced very suddenly from the SW<sup>nd</sup> during the night, and will, also, probably move NE<sup>mt</sup> during today, causing S<sup>3</sup> gales and rain on all our western and northern coasts, and fresh gusty squally breezes from the SW<sup>nd</sup> over England and the Channel, with local showers of rain and bright intervals.

There is at present no indication as to whether this will in its turn be followed by yet another disturbance.

## FORECASTS

for the 24 hours ending at NOON on 70<sup>th</sup> September 1886.

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S <sup>W</sup> winds, strong to a gale; squally rainy.	6	SCOTLAND WEST	S <sup>W</sup> and S <sup>W</sup> gales, rainy, squally.
1	SCOTLAND EAST	-----D-----D-----D-----	7	ENGLAND N. W.	-----D-----D-----D-----
2	ENGLAND N. E.	S <sup>W</sup> and S <sup>W</sup> winds, increasing in force; fair to showery.	8	ENGLAND S. W.	Same as N° 5
3	ENGLAND EAST	Same as N° 5	9	IRELAND NORTH	Strong S <sup>W</sup> and S <sup>W</sup> gales, with rain, finer later.
4	MIDLAND COUNTIES	Same as N° 2	10	IRELAND SOUTH	-----D-----D-----D-----
5	ENGLAND SOUTH	S <sup>W</sup> and S <sup>W</sup> winds, fresh or strong; fair as a whole, but perhaps a shower or two.	WARNINGS		The south cone has been re-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 ...	29.74	60	54	SSW	8	0	5	Holyhead ...	29.59	58	57	SSW	7	0 p.p.m	6
Sumburgh Head ...	29.27	56	55	S	5	0	5	Valencia ...	29.60	62	59	SW	7	0 p.p.m	6
Stornoway ...	29.15	57	54	S	6	0 p.p.	6	Scilly ...							
Aberdeen ...	29.36	60	58	S	7	0 p.p.	4	Dungeness ...	29.93	66	61	WSW	5	0	4
Shields ...	29.55	66	59	S	6	0	2	London ...	29.91	65	60	SSW	5	0	2
Ardrossan ...	29.39	59	57	S	6	0	5	Yarmouth ...	29.86	69	61	SW	4	0	3
Malin Head ...	29.81	58	53	WSW	7	0	6	Jersey ...	30.00	66	59	SSW	4	0	3
Mullaghmore ...	29.41	57	52	WSW	7	0	6	Rochefort ...	30.16	70	64	WSW	5	0	2
Belmullet ...	29.40	56	53	SW	8	0	2								

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

The reports for yesterday morning showed that a large high pressure area, in which readings varied from 30.0 in. to about 30.2 in. covered the whole of Eastern, Central, Western and Southern Europe, whence pressure decreased in a north-westerly direction to about 29.2 in. off the extreme north-west of Scotland. In this latter region there was a well-marked depression travelling quickly to the north-eastwards. Thus, while S<sup>W</sup> and S<sup>W</sup><sup>2</sup> gales prevailed in the extreme north-west the weather over the greater part of the Continent was fair, but thunderstorms had again been very prevalent over France and some parts of North Germany during the previous night. Temperature showed some further decrease over the United Kingdom, but a slight increase over Russia and Austria. The morning readings varied from between 70° and 75° over the northern shores of the Mediterranean, and from 77° at Trieste to 55° or 56° at the extreme north-western stations and to 44° or 45° over Central Russia. The highest individual readings were 84° at Sfax (Algeria), 77° at Malta and Thiers, 75° at Cagliari, and 72° at Perpignan; the lowest 55° at Belmullet, and Sumburgh Head, 51° at Bodø, 45° at Moscow and 44° at Archangel.

During the day the depression in the north-west moved north-eastwards carrying moderate gales to the northern part of the British Isles. At Wick there was a whirlwind, with heavy hail and rain for a few minutes. Slight showers fell in many parts of England, but in France the weather improved. Temperature rose to 82° at Perpignan, and Nîmes, and to 81° at Berlin, but reached 70° at only one station in our Islands—viz 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. 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 10<sup>th</sup> September 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.)			Max.	Min.	
SCANDINAVIA.	Haparanda ...	29.82	SW	2	0		29.85	-0.08	54	51	0	NW	2	6	*	64	48	0.43
	Hernösand ...	29.67	NW	2	6		29.71	+1.1	50	47	-6	SSW	2	6	*	63	45	0.04
	Stockholm ...	29.82	SW	4	6		29.91	+0.09	60	57	-1	SW	2	6c	*	68	55	-
	Wisby ...	29.84	W	2	6		29.90	+0.06	62	59	0	WSW	4	6c	*	70	57	-
	Bodö ...	29.45	SW	6	0		29.45	+0.04	50	49	-3	ENE	2	0	1	55	46	0.39
	Christiansund ...	29.60	SSW	2	6c		29.82	-1.1	57	52	+1	NW	2	0	3	57	48	-
	Skudesnaes ...	29.67	S	8	0		29.49	-1.6	60	59	+4	S	9	0	6	?	?	-
	Christiania Fjord (Fierder) ...	29.79	WSW	8	6		29.73	+1.0	62	60	+1	SSW	8	0	4	63	?	-
	Skagen (The Scaw) ...	29.86	W	2	6		29.80	+0.06	62	60	+2	SSW	4	0	3	64	57	0.04
	Fanö ...	29.93	WSW	6	0		29.85	+0.01	65	63	+2	S	6	6	*	66	61	0.04
BRITISH ISLANDS.	Sumburgh Head ...	29.20	SSE	5	0		29.35	-1.3	51	49	-1	SW	3	N	5	55	48	0.03
	Stornoway ...	28.92	SSW	10	aq		29.38	-0.2	50	47	-3	SSW	3	6	3	58	45	0.69
	Wick ...	29.12	SSW	6	0		29.42	-1.1	52	48	-1	SSW	1	6	1	59	47	-
	Nairn ...	29.19	WSW	6	6c		29.43	-0.9	50	46	-3	W	0	6c	1	66	43	-
	Aberdeen ...	29.31	SSW	7	pg		29.47	-1.5	49	48	-3	WSW	1	N	2	59	48	0.09
	Leith ...	29.40	SW	4	N		29.50	-1.3	50	48	-6	SW	1	0	*	65	48	0.23
	Shields ...	29.51	S	6	C		29.55	-1.6	49	49	-5	WSW	3	N	2	67	48	0.54
	Spurn Head ...	29.70	S	6	6c		29.62	-2.1	64	62	+3	WSW	7	eq	3	69	59	-
	York ...	29.65	S	5	C		29.56	-2.2	51	50	-6	NW	1	N	*	70	50	0.20
	Loughborough ...	29.75	SSW	6	C		29.61	-2.3	54	53	-5	WSW	5	N	*	71	54	0.12
GERMANY.	Ardrossan ...	29.41	S	4	0		29.52	-0.4	53	52	-2	WSW	3	6c	2	60	49	0.18
	Malin Head ...	29.30	W	6	C		29.49	+1.1	51	48	-2	SW	4	6c	5	63	48	0.06
	Mullaghmore ...	29.43	WSW	6	0		29.55	+0.22	52	48	-5	SW	3	6c	2	62	45	0.01
	Behaulet ...	29.42	WSW	8	0		29.54	+0.37	53	50	-5	WSW	6	6c	*	60	49	0.08
	Donaghadee ...	29.47	SW	4	C		29.57	+0.00	52	51	-3	W	3	6	1	60	47	0.29
	Barrow-in-Furness ...	29.56	S	6	N		29.57	-1.3	49	49	-10	NW	2	N	*	64	48	1.64
	Liverpool (Bidston) ...	29.61	S	4	C		29.61	-1.2	50	49	-6	WSW	2	N	3	70	50	1.49
	Holyhead ...	29.56	SSW	8	oqpm		29.62	-0.8	50	50	-9	SW	3	C	5	63	49	1.53
	Parsonstown ...	29.52	SW	1	6c		29.65	+1.6	50	48	-8	SW	1	f	*	64	44	0.29
	Valencia ...	29.54	SW	4	0		29.69	+0.26	54	52	-7	W	2	6	3	63	46	0.22
FRANCE & NETHERLANDS.	Roche's Point ...	29.53	WSW	3	N		29.70	+0.09	52	50	-8	WSW	2	6	4	60	50	1.15
	Pembroke ...	29.68	S	8	0		29.69	-0.6	54	52	-6	WSW	2	C	2	62	?	11.45
	Scilly ...																	
	Prawle Point ...	29.85	SSW	5	0		29.67	-2.4	59	59	-1	SW	6	q	6	63	58	0.06
	Jersey ...	29.95	SW	5	bm		29.78	-2.2	63	61	0	SW	6	cmv	5	66	61	0.01
	Hurst Castle ...	29.89	SW	6	C		29.70	-2.4	65	61	+4	SW	9	C	5	65	60	0.09
	Dungeness ...	29.95	SW	5	N		29.78	-1.7	63	60	0	SW	5	a	5	66	60	0.03
	London ...	29.90	SSW	5	eq		29.72	-2.1	66	62	+3	SSW	6	eq	*	71	62	0.08
	Oxford ...	29.84	S	4	6		29.63	-2.6	64	61	+2	S	6	oq	*	71	61	-
	Cambridge ...	29.84	SSW	2	6		29.66	-2.3	65	60	+1	S	4	0	*	72	61	-
PENIN. SULA.	Yarmouth ...	29.88	SSW	4	6c		29.72	-1.8	64	61	+2	SSW	5	6c	4	70	60	0.04
	Cuxhaven ...	30.04	WSW	1	6		30.00	+0.1	60	58	-3	S	2	6	*	70	56	-
	Berlin ...	30.08	W	0	6		30.08	+0.1	63	59	-3	SE	1	6	*	77	57	-
	Wiesbaden ...	*	*	*	*		30.04	-0.8	61	59	-2	SW	1	6c	*	75	54	-
	Munich ...	30.21	NE	3	6c		30.07	-1.6	59	58	-1	SW	2	f	*	70	54	0.04
	The Helder ...	29.96	SW	4	C		29.84	-1.0	61	58	-14	S	4	6	3	68	57	-
	Brussels ...																	
	Cape Gris Nez ...	29.95	SW	5	0		29.82	-1.5	63	61	+1	SW	7	C	4	70	59	-
	Paris ...	30.04	W	1	6		29.97	-1.8	56	55	0	S	1	6	1	72	52	-
	Brest ...	29.93	SSW	5	m		29.75	-2.2	62	60	0	SSW	7	N	6	64	61	0.08

† Received too late for insertion in Charts.

For Explanation of Columns, see p. 4.

# WEATHER CHARTS

For 8 a.m. on Friday, 10<sup>th</sup> September 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.

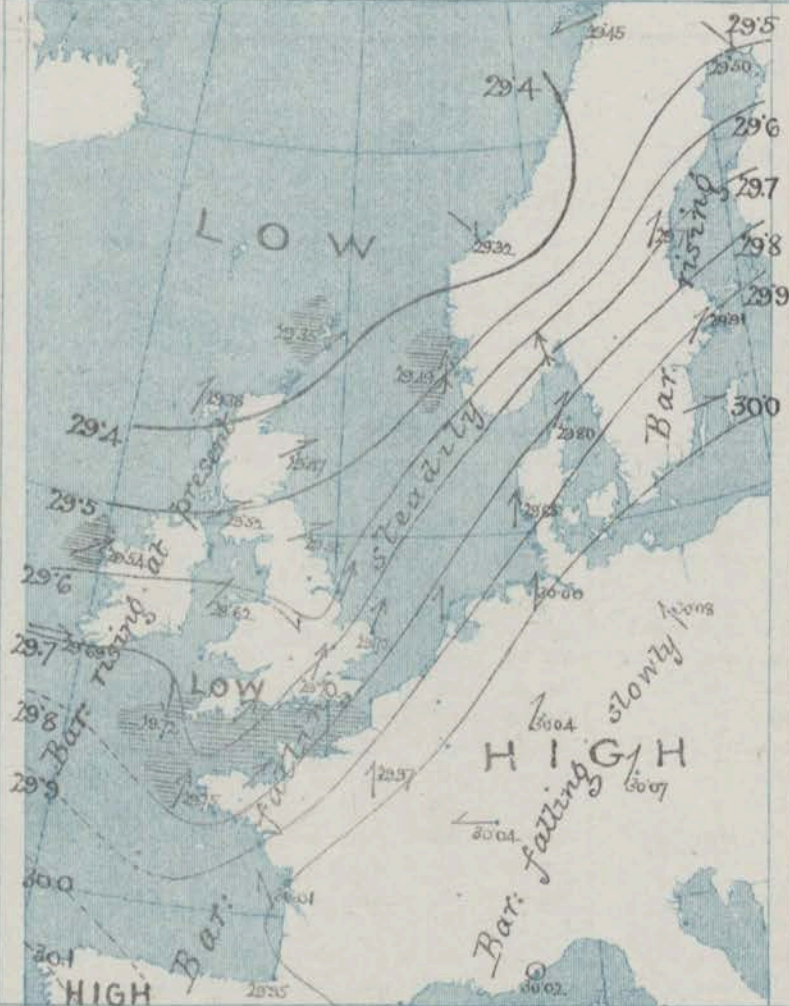
**Sea Disturbance**—where considerable is shown thus

— Rough. — High

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.758
Stornoway	29.781
Wick	29.786
Nairn	29.812
Aberdeen	29.815
Leith	29.851
Shields	29.876
York	29.913
Ardrossan	29.858
Donaghadee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roche's Point	29.923
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.956
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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.

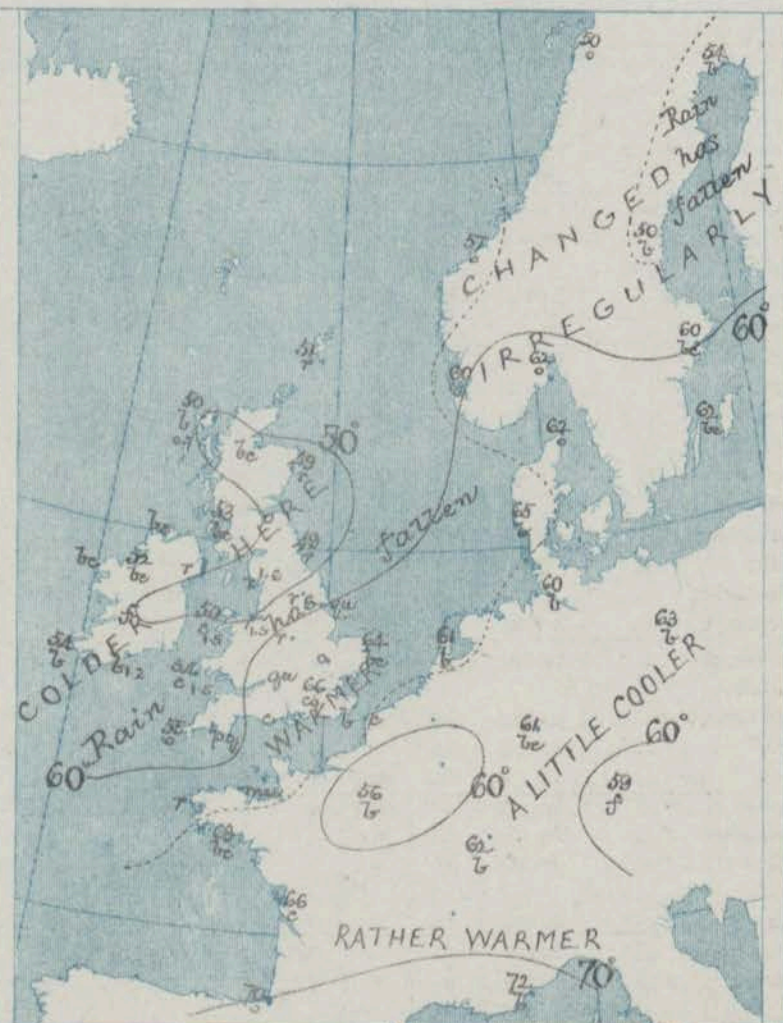
**Rainfall**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	55.2	46.2	50.6	49.0	3.46
Stornoway	56.9	45.4	51.0	49.7	4.13
Wick	57.5	45.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.73
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.6	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	66.9	49.3	56.4	54.0	2.59
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

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 { 30.16 ins: over Portugal. 30.0 ins: and upwards over Central Europe and South of France. Lowest 29.4 ins: and less to the northward of Scotland and westward of Norway. Yesterday's depression has passed away to the northward, but a "V" shaped subsidiary disturbance is now passing over England in a north-easterly direction. Highest 70° to 72° in the south of France, 66° in London.
TEMPERATURE	Lowest 49° at Banard in Furness and Aberdeen. The thermometer has fallen decidedly in the west since yesterday, but risen (temporarily) over the south-east of England.
WIND	W <sup>ly</sup> and SW <sup>ly</sup> , light to moderate in Ireland and Scotland. SW <sup>ly</sup> and S <sup>ly</sup> strong to a gale over England, the Channel and the Eastern shores of the North Sea. Yesterday's gale was very strong in the western parts of Ireland and Scotland.
WEATHER	Fine and bright in the west and north, squally, rainy and very unsettled in the south and east.
SEA	Has gone down in the west, but is rough in the south as well as at Sumburgh Head and Skudsmøro.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

- (1) The subsidiary depression lying over the western part of England is moving north-eastwards, and it is probable that during the day it will have travelled completely across our Islands, and be followed by a brisk recovery of pressure, a veering and moderating wind, with fair and rather cold weather over England.
- (2) The recovery of pressure and improved weather noticed in the west this morning will probably prove very temporary, and give way to strong SW<sup>ly</sup> to S<sup>ly</sup> winds again, with a falling barometer and rainy squally weather. The warning signals have therefore been allowed to remain up.

## FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	S <sup>ly</sup> and SW <sup>ly</sup> winds, moderate; fair then increasing with unsettled weather.	6 { SCOTLAND WEST	W <sup>ly</sup> winds and fine weather, afterwards SW <sup>ly</sup> to S <sup>ly</sup> and less settled.
1 { SCOTLAND EAST	SW <sup>ly</sup> winds, varying in force; rainy to fair.	7 { ENGLAND N. W.	----- D° ----- D° ----- D° -----
2 { ENGLAND N. E.	----- D° ----- D° ----- D° -----	8 { ENGLAND S. W.	----- D° ----- D° ----- D° -----
3 { ENGLAND EAST	Same as N° 5	9 { IRELAND NORTH	----- D° ----- D° ----- D° -----
4 { MIDLAND COUNTIES	Wind backing to W and S again, with temporary improvement in weather, unsettled later.	10 { IRELAND SOUTH	----- D° ----- D° ----- D° -----
5 { ENGLAND SOUTH	SW <sup>ly</sup> winds, strong, to W <sup>ly</sup> moderate; rainy to fair.	WARNINGS	The S. cone is still up in districts 0 to 2 and 6 to 10 with part of 5.

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.74	58	54	S 8	O	5	Holyhead ...	29.60	62	60	SSW 8	O g m	6
Sumburgh Head ...	29.42	54	52	SSW 4	C	5	Valencia ...	29.53	59	57	SW 5	O g m	5
Stornoway ...	29.06	53	52	SSE 6	N	6	Scilly ...						
Aberdeen ...	29.42	58	55	S 7	O g	4	Dungeness ...	29.97	65	62	SW 5	O	5
Shields ...	29.59	63	60	SSW 5	C	2	London ...	29.92	70	63	SSW 6	b c	4
Ardrossan ...	29.36	59	59	S 8	O	6	Yarmouth ...	29.90	69	65	SSW 4	b c	4
Malin Head ...	29.25	58	54	SW 8	b c	7	Jersey ...	29.99	63	63	SW 5	O	5
Mullaghmore ...	29.34	58	53	SW 8	C	6	Rocheport ...	30.19	77	68	W 4	b	2
Beimullet ...	29.34	56	52	SW 10	O p	4							

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

Yesterday morning's reports showed that pressure remained highest over Eastern and Central Europe with the south of France and lowest off the north-west coast. A new and rather deep depression had reached the coast of Ireland during the night and was travelling fast to the north-eastward. Thus, stormy, rough weather, and SW<sup>ly</sup> to S<sup>ly</sup> winds were again prevalent in the west and north of the British Isles, while quieter, but not settled weather was reported in France, and fine bright weather over Germany and Austria. The wind was SW<sup>ly</sup> and W<sup>ly</sup> in nearly all places, but drew into N. in the south-east of France. Temperature varied from a little above 70° on the northern shores of the Mediterranean to about 40° over Central Russia and to between 52° and 56° on the extreme north-west coasts of the British Isles and Norway. The highest morning readings recorded were 84° at Sfax (Algeria), 79° at Barcelona, 77° at Sanguinaires, and 73° at C Bear and Trieste; the lowest 40° at Moscow, 52° at Sumburgh Head and Aberdeen, and 53° at Stornoway, Naun and Malin Head.

During the succeeding twenty-four hours S<sup>ly</sup> gales spread over the greater part of the United Kingdom with rain—the latter being especially heavy in the west of England—and the thermometer rose to 81° at Nice, 79° at Rochefort, and 77° at Berlin. Over England the maxima varied from 70° to 72°.

### 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 11<sup>th</sup> September 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 ..	29.46	55	N	6	h	29.42	-0.08	50	48	-2	W	4	h	*	57	46	0.08			
Hernösand ..	29.52	51	S	9	b	29.62	-0.09	49	48	-1	Z	0	h	*	61	41	0.08			
Stockholm ...	29.78	62	S	2	b	29.75	-0.16	65	60	+5	SSW	2	bc	*	70	54	-			
Wisby ...	29.85	62	S	4	b	29.77	-0.13	67	63	+4	WSW	4	t	*	72	59	-			
Bodö ...	29.19	50	SW	4	n	29.23	-0.22	49	47	-2	SW	8	c	h	54	45	0.16			
Christiansund...	29.43	50	SW	6	c	29.50	+0.18	54	47	-7	SW	4	b	h	7	45	0.28			
Skudesnaes ...	29.64	48	Z	0	c	29.75	-0.26	57	52	-5	SW	6	c	5	61	48	-			
Christiania Fjord (Færder)																				
Skagen (The Scaw)	29.67	63	SW	4	bc	29.83	+0.03	58	53	-5	W	3	bc	2	68	54	-			
Fanö ...	29.76	64	WSW	4	bc	29.87	+0.02	58	44	-14	Z	0	b	*	68	54	0.08			
Sumburgh Head	29.45	51	SW	2	bc	29.49	+0.14	52	51	+1	WSW	4	0	3	56	48	-			
Stornoway ...	29.40	52	SSW	6	gpy	29.33	-0.05	52	51	+1	SE	7	hgy	6	56	48	0.39			
Wick ...	29.49	53	SSW	1	b	29.47	+0.05	53	51	+2	S	2	ou	1	60	50	-			
Nairn ...	29.51	54	SW	2	c	29.49	+0.06	55	50	+5	E	3	c	2	60	49	-			
Aberdeen...	29.58	55	SSW	3	b	29.61	+0.14	52	50	+2	SW	6	cgy	2	63	47	0.04			
Leith ...	29.65	58	W	2	c	29.62	+0.12	56	52	+4	S	1	c	*	62	49	0.01			
Shields ...	29.71	56	WSW	1	m	29.75	+0.23	50	49	+1	SW	3	c	2	60	47	0.10			
Spurn Head ...	29.77	57	SW	3	bc	29.92	+0.30	54	52	-2	SW	4	b	2	64	49	0.12			
York ...	29.76	57	W	1	b	29.88	+0.32	50	48	-2	S	2	b	*	61	43	0.14			
Loughborough	29.80	58	W	1	b	29.93	+0.32	54	52	-2	SW	3	cw	*	61	42	0.08			
BRITISH ISLANDS.																				
Ardrossan ...	29.64	55	WSW	3	bc	29.80	+0.08	55	54	+1	S	5	h	4	60	51	0.11			
Malin Head ...	29.61	56	SW	4	bcgy	29.35	-0.14	53	53	+2	S	6	hgy	5	58	45	0.20			
Mullaghmore ...	29.63	55	SW	6	c	29.45	-0.10	57	56	+1	S	8	hgy	6	60	51	0.37			
Bellaulet ...	29.62	55	WSW	6	on	29.42	-0.12	62	60	+2	SW	9	0	*	68	52	0.60			
Donaghadee ...	29.68	56	SW	4	bc	29.63	+0.06	54	54	+2	SSW	6	h	4	63	48	0.11			
Barrow-in-Furness†	29.74	56	SW	5	b	29.79	+0.22	58	56	+2	S	5	h	4	58	49	0.11			
Liverpool (Bidston)	29.76	55	WSW	3	b	29.83	+0.22	52	50	+2	SE	3	c	3	59	50	-			
Holyhead ...	29.77	55	SSW	5	bcgy	29.75	+0.16	58	56	+2	SW	6	hgy	6	59	50	-			
Parsonstown ...	29.74	55	SW	1	c	29.65	-0.09	58	56	+2	SSW	1	ou	*	60	48	0.18			
Valencia ...	29.77	57	SSW	5	0	29.64	-0.05	61	60	+1	S	8	0	7	62	53	0.16			
Roche's Point...	29.80	56	WSW	4	c	29.75	+0.05	59	58	+1	SW	5	p	4	60	50	0.06			
Pembroke ...	29.84	57	SW	4	bc	29.86	+0.17	59	57	-2	SSW	6	cgy	5	59	54	-			
Scilly ...																				
Prawle Point ...	29.88	56	W	2	b	30.00	+0.33	59	57	-2	SW	3	bc	3	64	50	0.19			
Jersey ...	29.87	59	W	8	bc	30.03	+0.25	60	57	-3	WSW	3	bcw	3	66	53	0.19			
Hurst Castle ...	29.84	58	NNE	2	bc	30.01	+0.31	59	55	-4	WSW	3	bcw	3	65	46	0.23			
Dungeness ...	29.77	62	WSW	4	0	29.98	+0.20	58	55	-3	W	1	bc	2	68	44	0.12			
London ...	29.84	55	W	2	c	29.99	+0.27	55	52	-3	W	1	bcw	*	66	45	0.46			
Oxford ...	29.88	53	NW	1	b	29.99	+0.36	56	53	-3	SW	2	bcw	*	64	47	0.26			
Cambridge ...	29.83	54	W	1	b	29.98	+0.32	53	52	-1	S	1	b	*	66	42	0.36			
Yarmouth ...	29.80	55	W	1	0	29.97	+0.25	55	54	-1	SW	2	bcw	2	69	47	0.55			
Cuxhaven ...	29.89	68	SW	2	b	29.93	-0.07	63	62	+1	N	4	0	*	73	60	-			
Berlin ...	29.88	72	Z	0	b	29.91	-0.17	68	63	+5	W	2	b	*	79	7	-			
Wiesbaden ...	*	*	*	*	*	30.02	-0.02	61	59	-2	Z	0	h	*	75	55	-			
Munich ...	30.02	61	W	2	h	30.10	+0.03	62	60	+2	SW	1	c	*	68	57	0.04			
FRANCE & NETHERLANDS.																				
The Helder ...	29.80	64	WNW	1	h	29.97	+0.13	60	54	-6	WNW	1	bc	1	72	57	0.04			
Brussels† ...	*	*	*	*	*	30.00		62	60	+2	WNW	1	c	*	75	60	-			
Cape Gris Nez...	29.79	63	WSW	7	h	29.99	+0.17	57	56	-1	Z	0	c	0	73	54	0.08			
Paris ...	29.88	69	WSW	7	b	30.04	+0.07	61	60	+1	S	1	0	*	78	7	-			
Brest ...	29.92	59	N	3	c	29.98	+0.23	58	57	-1	SE	3	b	h	63	52	0.43			
Lorient ...	29.90	64	NE	4	bc	30.05	+0.19	57	56	-1	SE	3	c	3	72	48	0.20			
Rochefort ...	30.02	72	WSW	5	h	30.11	+0.10	64	60	-4	WNW	5	bc	2	77	59	0.08			
Belfort ...	29.94	76	E	1	b	30.06	+0.12	62	58	-4	W	3	c	*	78	53	-			
Lyons ...	29.91	75	S	1	b	30.10		64	59	-5	WNW	3	0	*	85	62	-			
Nice...	29.99	68	SE	1	m	29.99	-0.03	76	64	-12	NE	1	c	0	81	61	-			
Perpignan ...	29.92	72	NE	1	0	30.06	+0.06	70	61	+9	W	1	c	4	83	62	0.47			
Biarritz ...	30.08	69	W	3	0	30.14	+0.19	64	63	-1	SE	3	0	3	75	61	0.43			
PENINSULA.																				
Corunna ...	*																			
Lisbon ...	30.15	66	N	5	b	30.16	0.00	67	64	+3	WNW	4	0	5	75	?	-			

† Received too late for insertion in Chart.

For Explanation of Columns, see p. 4.

# WEATHER CHARTS

for 8 a.m. on Saturday, 11<sup>th</sup> September 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 bars and feathers refer to force, thus —

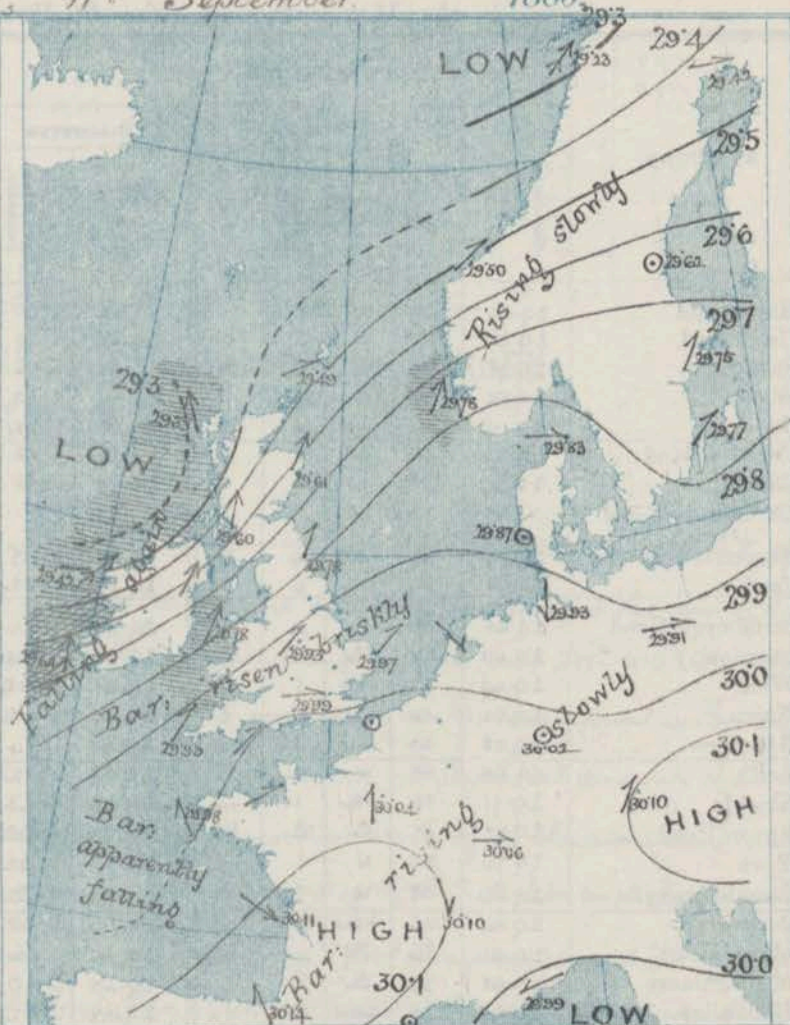
→ = forces above 10; →→ = forces 8 to 10;  
 →→ = forces 5 to 7; → = forces 1 to 4;  
 ○ = dead calm.

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

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	<i>ins.</i>
Sumburgh Head	29.758
Stornoway	29.781
Wick	29.786
Nairn	29.812
Aberdeen	29.815
Leith	29.851
Shields	29.876
York	29.913
Ardrossan	29.858
Donaghadee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roshe's Point	29.928
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.956
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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.

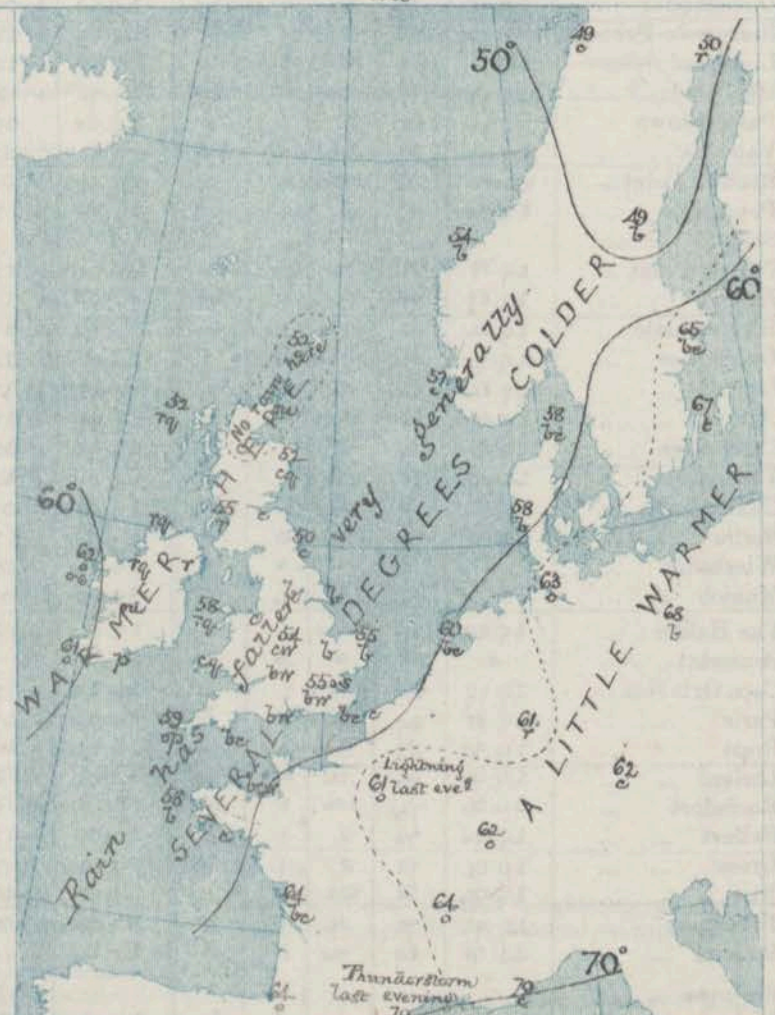
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	55.2	40.2	50.6	49.0	3.46
Stornoway	55.9	45.4	51.0	49.7	4.13
Wick	57.5	45.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.73
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.98
Ardrossan	50.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Roshe's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.5	56.5	3.69
Hurst Castle	64.4	52.9	57.8	50.3	3.35
Dover	63.1	52.8	58.8	55.4	2.86
LONDON	66.9	49.3	56.4	54.0	2.59
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

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



# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.0 to 30.1 ins. over Central Europe, France, and Spain. Lowest 29.3 ins. off the west of Scotland. 29.2 ins. in the north-west of Norway. Gradients are steep over our north-western districts, slight in the south-east. The barometer is falling fast in the north-west and north, but is now steady at Valencia. At Falmouth, however, it is falling.
TEMPERATURE	Highest 70° at Nice, 68° at Berlin, 62° at Belmullet. Lowest 50° at York and Shields, 49° at Bodø and Hornsund. It was very low over Central England and France during the night, almost a frost on the grass in S. of London.
WIND	S <sup>2</sup> and SW <sup>2</sup> , strong to a gale in the west, SW <sup>2</sup> to W <sup>2</sup> , light over England. S <sup>2</sup> at the mouth of the Channel - Variable on the Continent. The wind remains S. g. at Valencia, though it has veered to SW. at Belmullet.
WEATHER	Dull, squally, and rainy in the W. and NW. fine and bright in the east and south. In London, sprays of Cirrus are moving over steadily from the NW <sup>2</sup> and increasing in amount.
SEA	High at Valencia, rough in the west generally, smooth in the east and south-east.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north-west is evidently moving steadily to the north-eastward. The facts that <sup>at</sup> Valencia the wind is not yet veering nor the barometer rising, seem to show that some further disturbance is approaching our coast, and is likely to come more directly over the country than that now prevalent. This would cause an extension of the S<sup>2</sup> gales and bad weather over England.

The S<sup>2</sup> wind at the mouth of the Channel also, with an unsettled appearance and rain at Falmouth, point to the same conclusion, so that the weather appears likely to become rough again very generally during the coming 24 hours.

### Erratum.

Daily Weather Report of Sep. 9<sup>th</sup>. Page 3 under head of Pressure. Line 2, the last words should be "west of Ireland," not "west of Norway."

## FORECASTS

For the 24 hours ending at NOON on 12<sup>th</sup> September 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	S <sup>2</sup> gales, veering to SW. and moderating; rainy then improving.	6 { SCOTLAND WEST	Same as No 0.
1 { SCOTLAND EAST	----- D <sup>2</sup> ----- D <sup>2</sup> ----- D <sup>2</sup> -----	7 { ENGLAND N. W.	Same as No 0.
2 { ENGLAND N. E.	S <sup>2</sup> winds, increasing, fair to unsettled and perhaps rainy.	8 { ENGLAND S. W.	S <sup>2</sup> winds, increasing to a gale, rainy, afterwards veering and improving.
3 { ENGLAND EAST	----- D <sup>2</sup> ----- D <sup>2</sup> ----- D <sup>2</sup> -----	9 { IRELAND NORTH	S <sup>2</sup> gales, followed by more moderate winds, rainy, squally, unsettled.
4 { MIDLAND COUNTIES	Same as No 5	10 { IRELAND SOUTH	----- D <sup>2</sup> ----- D <sup>2</sup> ----- D <sup>2</sup> -----
5 { ENGLAND SOUTH	S <sup>2</sup> winds, light and fine, then increasing with rain and squalls.	WARNINGS	The south cone was re-hoisted in districts 6, 9 and 10 last evening, and in 0, 1, 7, and 8 this morning.

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.49	50	50	WNW 4	rf	6	Holyhead ...	29.75	57	53	SW 3	b	3
Sumburgh Head ...	29.42	55	53	WSW 3	bc	4	Valencia ...	29.77	57	56	WSW 4	cp	4
Stornoway ...	29.40	55	52	SSW 6	bq p	5	Scilly ...	...	...	...	...	...	...
Aberdeen ...	29.52	58	53	SSW 1	bc	2	Dungeness ...	29.75	67	63	WSW 5	c	5
Shields ...	29.66	60	54	WSW 4	bc	2	London ...	29.75	57	56	WSW 2	o h	4
Ardrossan ...	29.61	56	56	WSW 4	bc	3	Yarmouth ...	29.74	59	58	WSW 3	o h	3
Malin Head ...	29.49	57	53	WSW 4	bc	5	Jersey ...	29.81	60	60	SW 6	o	5
Mullaghmore ...	29.60	59	53	WSW 6	c	5	Rochefort ...	30.02	75	68	WSW 5	c	2
Belmullet ...	29.61	57	52	SW 5	bc	4							

## 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 reports showed that pressure was still highest over Central and Western Europe, with the Mediterranean, and lowest to the westward of Norway. The highest readings of all were 30.1 ins: and upwards over North Germany, the lowest a little above 29.3 ins: at Christiansund and Sumburgh Head. A small subsidiary disturbance lay over England and was moving eastwards, but the large primary system noticed on the previous day had passed away to the northward. Thus, while variable air and fine weather prevailed over the Central and Western countries, SW<sup>2</sup> and W<sup>2</sup> winds were felt in the northwest, and though moderate over the western and northern parts of the British Isles, with fine weather, blew hard in the south and east, with much rain. Temperature was unsteady, and varied from between 68° and 73° on the northern shores of the Mediterranean and 75° at Trieste to rather below 50° in the north-east of Great Britain and the north of Russia. The highest individual readings were 86° at Biskaw (Algeria) 80° at Barcelona, 78° at Brindisi, and 76° at Trieste, the lowest 49° at Aberdeen, Shields and Barrow in Turners, 50° at Bodø, Tromsø, Archangel, Stornoway and Naino.

During the day the depression over England moved eastwards to the Netherlands, the weather cleared in its rear, and temperature fell fast, causing a very cold night, with local fogs over England and France. In the southern parts of France thunderstorms occurred. Over the western and northern parts of the British Isles, however, the barometer again began to fall, and with it S<sup>2</sup> gales set in with rain and a high sea.

### 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 12<sup>th</sup> September

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 ..	29.56	53	SW	6	b	29.67	+ .25	52	49	+ 2	S	4	b	+	57	46	—		
Hernösand ...	29.76	49	Z	0	b	29.71	+ .09	51	58	+ 2	SSW	4	bc	+	64	46	—		
Stockholm ...	29.93	57	W	4	b	29.00	+ .25	57	54	— 8	S	4	b	+	68	54	—		
Wisby ...	29.91	57	N	4	b	29.99	+ .22	58	54	— 9	WSW	4	bc	+	68	55	0.08		
Bodö ...	29.49	49	SW	8	r	29.31	+ .08	48	48	— 1	SW	2	r	1	50	45	0.28		
Christiansund...	29.60	53	Z	0	r	29.32	— .18	55	54	+ 1	W	6	r	4	57	48	0.28		
Skudesnaes ...	29.76	58	S	8	r	29.65	— .10	58	57	+ 1	SSE	8	r	6	59	57	—		
Christiania Fjord (Fæder)	29.89	59	SW	5	b	29.82		60	59		SSW	8	o	4	61	59	—		
Skagen (The Seaw)	29.97	57	NW	4	b	29.93	+ .10	58	55	0	SW	3	c	2	62	55	—		
Fanö ...	30.02	59	SW	4	b	30.02	+ .15	64	59	+ 6	SW	5	b	+	64	57	—		
BRITISH ISLANDS.																			
Sumburgh Head	29.30	54	SSW	4	c	29.43	— .06	52	50	0	WSW	5	c	5	55	48	0.23		
Stornoway ...	29.24	56	SSW	7	bc	29.59	+ .26	51	50	— 1	WSW	3	b	2	59	48	0.23		
Wick ...	29.31	58	SSW	3	o	29.59	+ .12	55	52	+ 2	WNW	3	bc	2	59	47	0.06		
Nairn ...	29.33	61	SW	3	r	29.59	+ .10	55	52	0	WSW	1	bc	1	70	52	0.09		
Aberdeen...	29.50	57	S	5	o	29.64	+ .03	60	55	+ 8	SW	2	b	1	60	51	0.05		
Leith ...	29.52	63	SW	3	c	29.70	+ .08	59	56	+ 3	W	3	bc	+	64	51	0.10		
Shields ...	29.77	62	SSW	4	c	29.76	— .02	63	62	+ 13	SW	1	om	2	63	49	—		
Spurn Head	29.91	64	SSW	5	bc	29.89	— .03	60	59	+ 6	S	4	c	3	65	52	0.01		
York ...	29.82	63	S	3	c	29.86	— .02	64	62	+ 14	S	2	c	+	65	48	0.04		
Loughborough	29.91	63	SSW	3	c	29.91	— .02	62	60	+ 8	SSW	4	c	+	68	54	—		
GERMANY.																			
Ardrossan ...	29.52	59	S	7	o	29.72	+ .12	57	57	+ 2	SW	3	b	2	59	54	0.34		
Malin Head ...	29.50	56	W	4	o	29.68	+ .38	57	54	+ 4	SSW	3	cm	?	?	?	0.40		
Mullaghmore ..	29.53	58	WSW	5	c	29.73	+ .28	59	54	— 1	SW	5	c	4	63	55	0.36		
Belmullet ...	29.50	58	SW	5	c	29.77	+ .35	56	54	— 6	W	6	b	+	62	55	0.09		
Donaghadee ...	29.58	61	SSW	7	o	29.76	+ .13	57	57	+ 3	SSW	4	c	2	62	53	0.31		
Barrow-in-Furness	29.76	61	S	6	o	29.80	+ .04	59	58	+ 1	SW	2	o	+	62	57	0.13		
Liverpool (Midston)	29.81	62	S	4	o	29.83	+ .02	61	61	+ 11	S	2	r	2	65	52	0.13		
Holyhead ...	29.46	59	SSW	8	omg	29.81	+ .03	59	59	+ 1	SW	5	mg	6	60	56	0.28		
Parsonstown ...	29.61	62	SSW	1	r	29.82	+ .17	57	54	— 1	SSW	1	bc	+	65	53	0.29		
Valencia ...	29.63	60	SSW	6	om	29.85	+ .21	57	56	— 4	W	2	c	1	65	53	0.26		
Roche's Point...	29.70	60	SW	6	r	29.85	+ .10	58	57	— 1	WSW	2	c	4	60	55	0.58		
Pembroke ...	29.85	59	SSW	5	c	29.87	+ .01	61	61	+ 2	SSW	4	f	3	61	57	0.30		
Scilly ...																			
Prawle Point ...	30.01	59	SW	4	bc	30.00	— .01	60	60	+ 1	SW	4	f	4	63	57	—		
Jersey ...	30.05	62	S	3	cg	30.08	+ .03	61	59	+ 1	SSW	4	og	4	66	58	—		
FRANCE & NETHERLANDS.																			
Hurst Castle ...	30.02	61	SW	4	b	30.03	+ .02	61	61	+ 2	SW	6	od	3	65	58	—		
Dungeness ...	30.04	62	WSW	3	bc	30.03	+ .05	63	59	+ 5	WSW	4	bc	2	67	57	—		
London ...	30.01	61	SSW	3	bc	30.02	+ .03	64	60	+ 9	S	4	bc	+	69	54	—		
Oxford ...	29.99	57	SW	4	b	29.98	— .01	61	59	+ 5	S	3	o	+	67	55	—		
Cambridge ...	29.99	59	S	1	b	30.01	+ .03	64	60	+ 11	SSW	3	b	3	69	57	—		
Yarmouth ...	29.97	62	SSW	3	b	29.99	+ .02	62	58	+ 7	SW	4	b	3	66	54	—		
Cuxhaven ...	30.08	62	NW	1	b	30.13	+ .20	58	56	— 5	S	2	b	+	63	53	—		
Berlin ...	30.04	72	WNW	1	b	30.16	+ .25	67	62	— 1	N	1	b	+	79	64	—		
Wiesbaden ...																			
Munich ...	30.19	62	E	3	b	30.13	+ .13	60	58	— 2	SW	2	b	+	72	52	—		
PENNINSULA.																			
The Helder ...	30.04	60	SW	1	b	30.05	+ .08	62	58	+ 2	SW	1	b	3	64	54	—		
Brussels ...						30.12	+ .12	63	56	+ 1	SW	1	b	+	70	58	—		
Cape Gris Nez...	30.04	62	SW	4	bc	30.06	+ .07	62	61	+ 5	WNW	5	c	4	68	55	—		
Paris ...	30.08	65	Z	0	bc	30.07	+ .13	57	55	— 4	SSW	1	bc	+	71	52	—		
Brest ...	30.05	62	SW	4	o	30.04	+ .06	62	61	+ 4	SSW	5	o	5	64	57	—		
Lorient ...	30.10	63	WSW	4	c	30.12	+ .07	63	61	+ 6	SW	5	o	2	70	52	—		
Rochefort ...	30.17	66	W	3	bc	30.19	+ .08	62	60	— 2	ESE	3	o	0	72	57	—		
Belfort ...	30.08	72	W	3	b	?	?	59	55	— 3	S	3	bc	+	75	51	—		
Lyons ...																			
Nice ...	30.00	71	W	1	bc	30.11	+ .12	69	64	— 1	E	1	b	+	81	61	—		
Perpignan ...	30.06	72	NW	4	b	30.12	+ .06	64	61	— 6	SW	3	b	+	81	57	—		
Biarritz ...	30.14	68	NE	4	b	30.12	— .02	63	60	— 1	E	4	o	1	72	61	—		
Corunna ...						30.12		62	60		NW	3	b	2	73	55	—		
Lisbon ...	30.10	72	NNW	7	b	30.06	— .10	66	62	— 1	N	5	b	+	79	63	—		

# WEATHER CHARTS

for 8 a.m. on Sunday 12<sup>th</sup> September 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;  
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○ = dead calm.

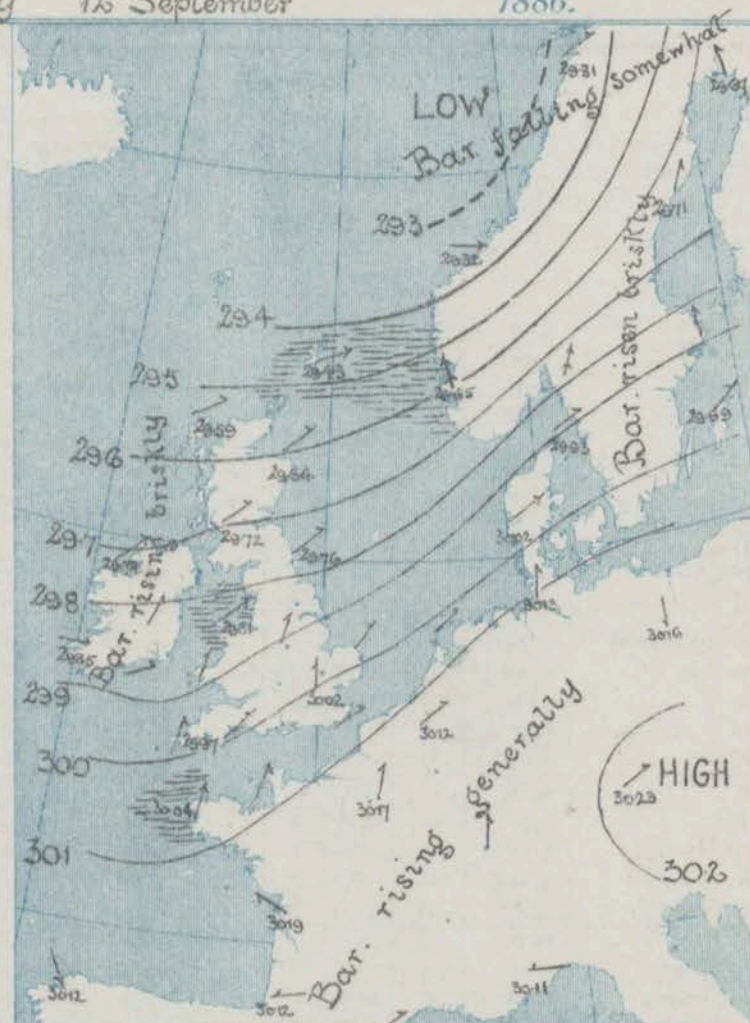
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## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.758
Stornoway	29.781
Wick	29.786
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Ardrossan	29.858
Donaghadee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roche's Point	29.923
Pembroke	29.924
Silly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.956
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



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

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

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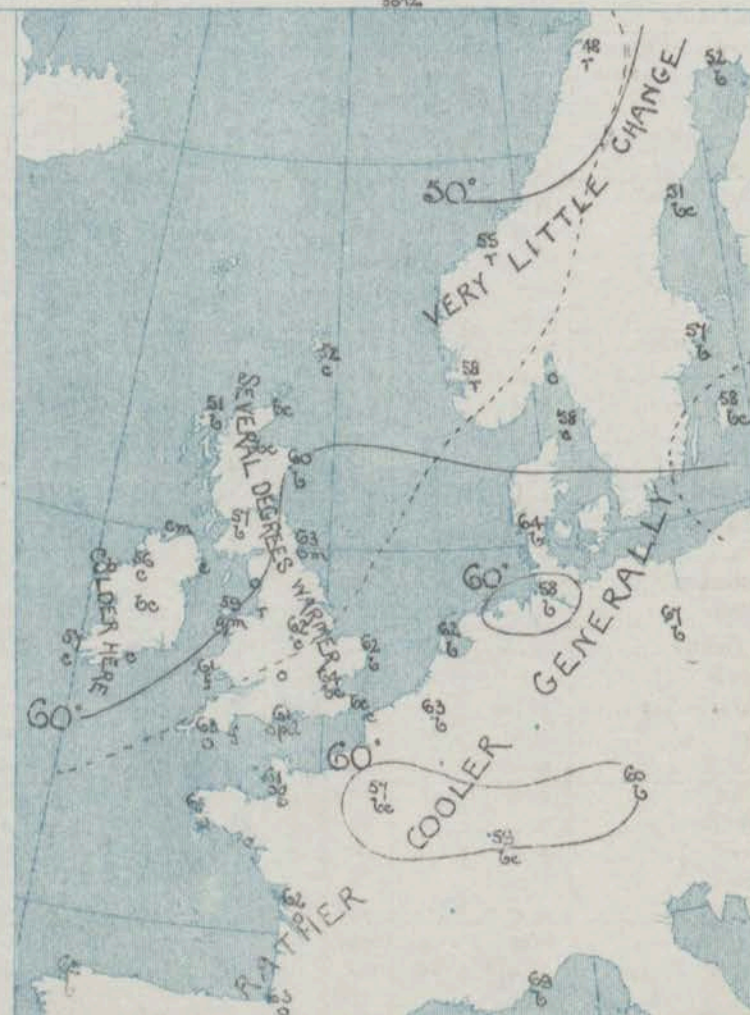
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 8 a.m. Dry.	Wet	
Sumburgh Head	55.2	46.2	50.6	49.0	3.46
Stornoway	55.9	45.4	51.0	49.7	4.13
Wick	57.5	45.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.73
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Silly	61.9	55.2	58.5	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	66.9	49.3	56.4	54.0	2.59
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.8	50.8	56.3	54.4	3.17

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	<p>Highest 30.1 to 30.25 in: over Germany, France, and Bay of Biscay.</p> <p>Lowest 29.3 in: in the northwest of Norway, 29.4 in: at Sumburgh Head.</p> <p>Gradients moderate and favourable for SW and S winds. Extremely shallow subsidiary disturbance over Irish Sea.</p>
TEMPERATURE	<p>Highest 69° at Aix, 67° at Berlin, 64° in London.</p> <p>Lowest 48° at Bodø, 51° at Skonsway and Hernösand.</p> <p>Local low temperature area over France.</p>
WIND	<p>SW<sup>ly</sup> and W<sup>ly</sup> in our Islands, fresh to strong; S<sup>ly</sup> and SW<sup>ly</sup> on the eastern shores of the North Sea, moderate to a gale.</p> <p>Veering generally in our Islands. Thermometer is falling decidedly in the west, rising in the east.</p>
WEATHER	<p>Fair generally in our Islands, but some rain and fog locally.</p> <p>Very rainy in Norway. Fine over Baltic, Germany, and Netherlands.</p> <p>Rainfall has been general in the west and north, but none has fallen in the east and south.</p>
SEA	<p>Rather rough in the far north, moderate in the Channel, smooth or nearly so elsewhere.</p>

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north is passing off, the barometer is rising in our Islands generally, and there is no indication of any new disturbance approaching us.

Signals hoisted yesterday yesterday and on Friday are therefore all lowered.

## FORECASTS

For the 24 hours ending at NOON on 13<sup>th</sup> Sept<sup>r</sup> 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	None Issued

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.79	59	54	S	7	c	5	Holyhead ...	29.78	59	58	SSW	8	omg	6
Sumburgh Head ...	29.38	52	52	WSW	4	r	4	Valencia ...	29.63	62	62	S	9	dm	7
Stornoway ...	29.20	58	56	SSW	9	cp	7	Scilly ...							
Aberdeen ...	29.53	58	57	SSW	5	cp	2	Dungeness ...	30.03	65	58	WSW	3	b	1
Shields ...	29.74	62	58	SSW	5	o	2	London ...	30.01	68	58	SSW	4	bc	4
Ardrossan ...	29.53	57	57	S	8	o	5	Yarmouth ...	29.98	65	57	SW	3	b	2
Malin Head ...	29.58	60	60	S	5	r	5	Jersey ...	30.05	65	60	SSW	2	b	2
Mullaghmore ...	29.46	63	61	SW	7	cp	6	Rochefort ...	30.18	67	62	W	3	o	2
Belmullet ...	29.44	61	60	W	6	o	4								

## GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday showed that pressure remained high (30.0 to 30.2 ins.) over Eastern, Central, and Western Europe, with the Mediterranean, while it was (relatively) low in the north and northwest. There was a depression in the far north travelling away to the northward, while a new one had appeared off the northwest of Ireland and was moving north-eastwards. Thus SW<sup>2</sup> (S to W) winds prevailed over the British Isles, North Sea, Scandinavia, and Baltic, and though light to moderate in some places blew a gale in others. The weather in these regions was very changeable and showery and the sea very rough at the more exposed stations. <sup>(Over the greater part of the Continent, however, variable air and calms were experienced in many places)</sup> South unsettled, thundery weather over France and some parts of North Germany, but with fine bright weather elsewhere. Temperature varied from between 68° and 72° in the south of France and 74° at Trieste to rather below 50° over Scotland the north of Scandinavia and the shores of the White Sea. The highest individual readings were 77° at Biskra and Algiers; 75° at Malta and Cagliari, 74° at Brindisi and Trieste, and 72° at Sanguinaria; the lowest 49° at Bodo and Hornozand and 50° at Archangel and Haparanda.

During the day the depression in the northwest travelled away from the British Isles, where the barometer rose and the weather improved. Temperature rose to 81° at Nice and Bapignan and to 79° at Berlin, but did not exceed 69° at any of the English stations, though it is reported to have reached 70° at Kain and 68° at some of the Swedish stations. The gales in the northwest died down and the weather improved over England.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

# DAILY WEATHER REPORT.

for Monday 13<sup>th</sup> September 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.		Sea. (0 to 9.)	Weather.	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.		Inch.					Inch.											Inch.	
Haparanda ..	29.33	53	S	8	A	29.48	+19	52	45	0	W	6	b	*	55	45	0.28		
Hernösand ...	29.53	56	S	6	bc	29.95	+24	52	46	+1	W	6	b	*	57	51	-		
Stockholm ...	29.89	62	SW	4	bc	30.04	+04	61	57	+4	W	4	bc	*	66	46	-		
Wisby ...	29.95	62	W	4	b	30.03	+04	63	60	+5	W	4	c	*	66	60	-		
Bodö ...	29.07	51	SW	8	A	29.67	+36	46	43	-2	W	6	c	3	52	43	0.24		
Christiansund...	29.59	51	W	9	A	29.98	+66	48	44	-7	W	8	c	5	51	45	0.20		
Skudesnaes ...	29.91	54	W	1	c	30.07	+42	55	53	-3	W	4	c	4	61	54	-		
Christiania Fjord (Frier)	29.78	60	W	8	O	30.06	+24	57	53	-3	W	2	c	4	61	55	-		
Skagen (The Scaw)	29.95	60	W	4	A	30.07	+14	59	57	+1	W	1	c	1	68	57	-		
Fanö ...	30.06	63	W	5	c	30.10	+08	64	62	0	W	4	c	2	66	57	-		
BRITISH ISLANDS.																			
Sumburgh Head	29.75	63	W	2	bc	29.97	+54	51	51	-1	W	0	c	1	55	43	0.35		
Stornoway ...	29.83	55	W	3	b	29.96	+37	52	51	+1	W	0	c	0	60	47	0.01		
Wick ...	29.85	53	W	0	bc	30.00	+41	53	51	-2	W	0	c	0	62	42	-		
Nairn ...	29.85	56	W	0	c	29.99	+40	50	49	-5	W	0	c	0	65	45	-		
Aberdeen ...	29.85	57	E	1	bp	30.00	+36	50	49	-10	W	0	om	1	69	44	0.07		
Leith ...	29.87	62	W	3	bc	30.00	+30	53	53	-6	SE	1	om	*	68	50	0.02		
Shields ...	29.90	61	W	2	c	30.00	+24	54	54	-9	E	1	om	2	66	52	0.14		
Spurn Head ...	29.95	65	SW	3	c	30.04	+15	64	62	+4	SW	2	b	2	69	59	0.01		
York ...	29.95	62	W	1	c	30.02	+16	58	57	-6	SW	1	m	*	70	53	0.13		
Loughborough	29.96	67	SW	2	c	30.05	+14	63	61	+1	SW	2	c	*	71	61	0.04		
Ardrossan ...	29.90	60	W	3	bc	29.97	+25	53	53	-4	NE	1	om	0	62	50	-		
Malin Head ...	29.91	57	W	2	c	29.96	+28	53	53	-4	E	3	c	2	59	51	0.14		
Mullaghmore ...	29.92	57	W	2	om	29.93	+20	54	53	-2	E	5	om	2	61	52	0.10		
Belmullet ...	29.92	59	W	3	bc	29.93	+16	51	49	-5	NE	1	om	1	60	50	0.09		
Donaghadee ...	29.93	57	NE	3	c	29.95	+19	54	54	-3	E	3	n	1	66	53	0.22		
Barrow-in-Furness	29.94	58	SW	2	A	29.95	+15	58	57	-1	SE	3	df	4	60	55	0.24		
Liverpool (Bidston)	29.95	58	W	1	A	29.98	+15	63	61	+1	SE	2	c	3	64	54	0.27		
Holyhead ...	29.94	57	SSC	1	c	29.95	+14	60	60	+1	SW	4	m	2	61	53	0.22		
Parsonstown ...	29.93	59	W	0	c	29.94	+05	54	53	-3	NE	1	om	*	62	52	0.31		
Valencia ...	29.92	58	W	1	c	29.83	-02	54	54	-3	N	4	nm	4	63	53	0.26		
Roche's Point...	29.91	55	SW	2	A	29.85	-00	60	60	+2	SW	3	f	4	60	52	1.08		
Pembroke ...	29.92	61	S	4	O	29.97	+10	60	60	-1	S	4	c	3	61	58	0.20		
Scilly ...																			
Prawle Point ...	30.04	60	SW	4	c	30.05	+05	61	60	+1	W	0	c	2	61	58	0.01		
Jersey ...	30.08	65	S	3	O	30.07	-01	64	61	+3	SE	2	bc	2	69	60	0.02		
Hurst Castle ...	30.05	64	SW	5	c	30.08	+05	66	64	+5	S	1	bc	1	66	60	-		
Dungeness ...	30.06	64	W	4	c	30.08	+05	62	60	-1	S	3	c	2	67	57	0.02		
London ...	30.06	65	SW	3	op	30.09	+07	65	62	+1	S	2	c	*	69	62	-		
Oxford ...	30.05	64	SW	3	c	30.08	+10	64	62	+3	S	1	c	*	69	61	-		
Cambridge ...	30.05	64	S	1	c	30.08	+07	64	62	0	S	1	c	*	72	61	-		
Yarmouth ...	30.01	68	SSW	3	b	30.10	+11	64	62	+2	SSW	1	b	2	71	60	-		
Cuxhaven ...	30.14	66	W	1	b	30.19	+06	61	60	+3	S	1	b	*	69	58	-		
Berlin ...	30.14	73	W	0	b	30.19	+03	67	61	0	E	1	b	4	79	64	-		
Wiesbaden ...	*	*	*	*	*	30.18		62	60		W	1	b	*	77	54	-		
Munich ...	30.20	63	NE	1	b	30.24	+01	61	59	+1	W	1	b	*	73	54	-		
GERMANY.																			
The Helder ...	30.08	64	SW	3	b	30.13	+08	63	62	+1	SW	1	bc	2	70	59	-		
Brussels ...	*	*	*	*	*	30.14	+02	61	57	-2	W	1	b	*	72	55	-		
Cape Gris Nez...	30.08	65	SSW	5	bc	30.11	+05	62	59	0	SSW	3	c	1	66	59	-		
Paris ...	30.13	65	SSW	1	bc	30.14	-03	55	54	-2	W	0	b	*	74	52	-		
Brest ...	30.08	63	S	4	c	30.01	-03	60	59	+2	SE	3	b	4	64	57	-		
Lorient ...	30.10	64	SW	4	c	30.05	-04	60	58	-3	SE	4	b	2	72	54	-		
Rochefort ...	30.13	70	NE	3	b	30.07	-12	60	58	-2	E	5	b	2	82	58	-		
Belfort ...	30.10	73	E	3	b	30.15	?	61	57	+2	E	1	b	*	77	50	-		
Lyons ...	30.08	72	NE	1	b	30.15		66	61		SE	1	b	*	80	58	-		
Nice ...	30.08	71	W	0	b	30.11	-00	73	61	+4	W	0	b	0	82	64	-		
Perpignan ...	30.05	69	NE	1	b	30.10	-02	62	62	-2	W	0	f	*	82	57	-		
Biarritz ...	30.02	75	NE	3	b	29.95	-17	64	61	+1	W	5	b	1	79	61	-		
Corunna ...																			
Lisbon ...	29.94	68	W	5	bc	29.92	-14	62	60	-4	N	4	bc	2	81	61	-		

For Explanation of Columns, see p. 1.

for 8 a.m. on Monday, 13<sup>th</sup> September.

## (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  $10_i \longrightarrow$  = forces 8 to  $10_i$   
 $\longrightarrow$  = forces 5 to  $7_i \longrightarrow$  = forces 1 to  $4_i$   
 ⊙ = dead calm.

 = Rough,  = High

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

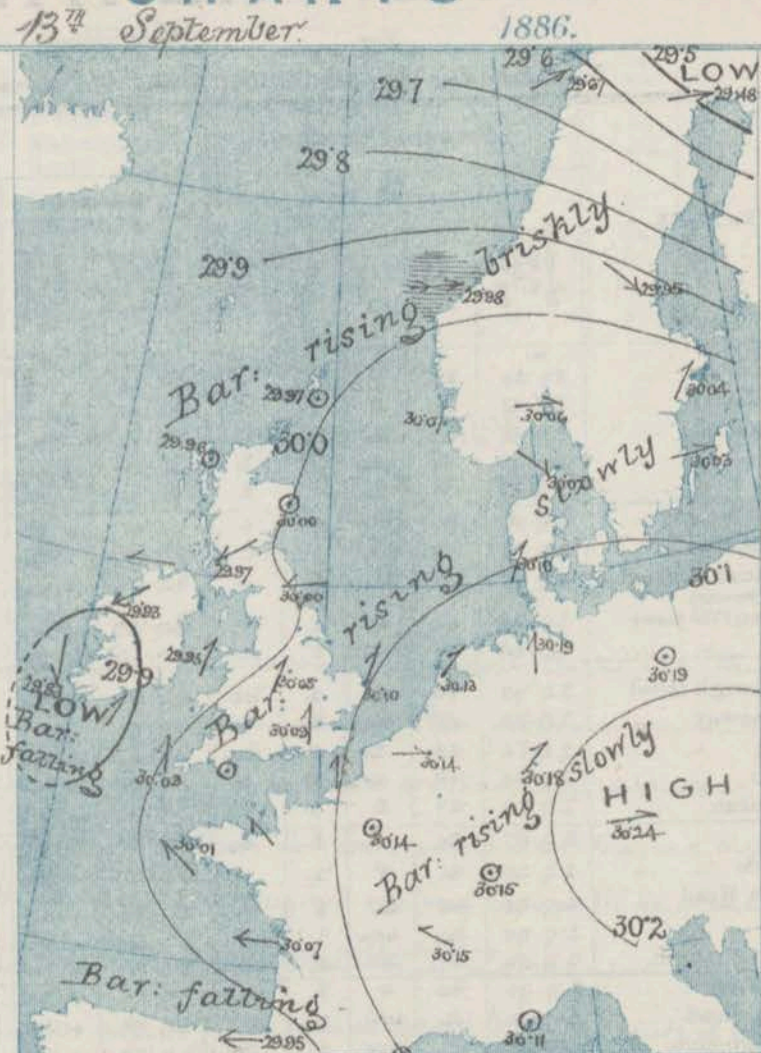
TEMPERATURE, & WEATHER at 8 A.M.,  
with RAINFALL in PAST 24 HOURS.

Weather is shown by Letters of the Beaufort Scale.

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

for the month of September.

NOTE.—The Temperature means are for the 10 years 1871–80, the Rainfall means are mainly those for the 10 years 1866–86.



# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.0 to 30.2 ins. over Germany, France and the south-eastern half of England. Lowest { 29.5 ins. over Finland, 29.8 ins. over the south of Ireland. { 29.9 ins. (apparently) over the southern half of Spain. Gradients - slight except over northern part of Scandinavia. Barometer falling over Spain and south of Ireland, rising elsewhere, most in north. Shallow depression lies over Ireland.
TEMPERATURE	Highest 73° at Nice, 67° at Berlin, 64° to 66° over south-east of England. Lowest 46° to 48° over west of Norway, 51° at Lumburg, N <sup>o</sup> and Belmullet. It has fallen decidedly in the north and west since yesterday, but risen a little in the east, where also it is now rising fast.
WIND	Moderate E <sup>ly</sup> in the west of France, light to moderate S <sup>ly</sup> over England. Calm in Scotland - W <sup>ly</sup> in Norway and Sweden (strong to a gale at the northern stations). Over Ireland there is a cyclonic circulation round the shallow depression noticed above.
WEATHER	Fine and bright over Germany, France, the Netherlands and south-east of England - cloudy over Scandinavia - Dull in Scotland and Ireland, with rain and mist in many places. Rainfall at Roche Point has been very heavy.
SEA	Very little disturbed.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

- (1) As the barometer continues to rise in the east and south-east, and the Continental anticyclone is consequently spreading westwards, it does not appear likely that the depression over Ireland can advance to England today. The fine weather in the east is therefore likely to hold for the present.
- (2) The depression over Northern Europe is passing completely away, the increase of pressure over Scotland is very decided. Improving weather is therefore likely in that region.
- (3) Over Spain and the Bay of Biscay, however, pressure seems to be giving way somewhat generally, and it is in this direction that the next change of weather will probably take its rise. At present, however, the changes are not sufficiently decided to serve as the basis of definite forecasts.

## FORECASTS

for the 24 hours ending at NOON on 14<sup>th</sup> SEPT<sup>r</sup> 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	Very light airs or calms; dull to rainy.	6 { SCOTLAND WEST	Same as N <sup>o</sup> 0
1 { SCOTLAND EAST	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----	7 { ENGLAND N. W.	Same as N <sup>o</sup> 1.
2 { ENGLAND N. E.	SE <sup>ly</sup> winds, moderate; dull to rainy.	8 { ENGLAND S. W.	S <sup>ly</sup> winds, light; rain at times
3 { ENGLAND EAST	S <sup>ly</sup> winds, light; fine, warm.	9 { IRELAND NORTH	Very doubtful, but most probably wet, unsettled and thundery.
4 { MIDLAND COUNTIES	S <sup>ly</sup> winds, moderate; dull, rain in places.	10 { IRELAND SOUTH	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----
5 { ENGLAND SOUTH	S <sup>ly</sup> winds, light; fine generally	WARNINGS	No one issued.

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.78	61	58	WSW 6	of	5	Holyhead ...						
Sumburgh Head ...							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rochefort ...	30.19	76	67	Z 0	0	2
Belmullet ...													

## GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Yesterday morning's reports showed a continuation of the large high-pressure system (in which readings varied from 30.0 in to 30.2 in) over Central and Western Europe, while the depressions recently observed on our western and north-western coasts had passed away to the northward. Gradients for SW-W winds, however, still prevailed over North-western Europe. The winds reported were consequently still SW-W over North-western Europe and the Baltic, and (owing to local causes) blew hard at a few stations—the weather being somewhat cloudy, and in places rainy. Over the Continent, however, the winds were very light and variable, and the sky (as a whole) clearer, but even then some showers were reported locally. Temperature varied from between 70° and 75° on the northern shores of the Mediterranean and Adriatic to rather below 50° over Finland and the north of Norway. The highest individual readings were 78° at Barcelona, 77° at Brindisi and Trieste, 73° at Cetta and 72° at Croisette and Sanguinaw; the lowest 45° at Kuopio, 48° at Nodis and 51° at Hermand and Hornoway.

During the day the barometer rose throughout the United Kingdom, and the gradients for SW-W winds grew slighter. Shallow local disturbances, however, began to appear in places and the weather consequently assumed an unsettled appearance generally, and rain fell over Ireland and Scotland. Temperature rose to above 80° over the south of France and to a little above 70° over the midland counties of England.

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

FROM THE 5<sup>TH</sup> TO THE 11<sup>TH</sup> SEPTEMBER 1886.

The weather over our islands during this week was of two distinct types. The first was the concluding portion of the complex thundery spell, in which thunderstorms of great severity had been experienced all over France and England. At 8 am on the 5<sup>th</sup> most of the shallow depressions round which the storms appeared had reached the western parts of the British Islands, and were travelling away to the north-westward, causing much rain and local thunderstorms in those regions, but part of them were filling up. Over France and the Straits of Dover, however, the storms were prevailing. At 8 am on the 6<sup>th</sup> pressure had become, on the whole, highest over Germany and France, and lowest off our north-western coast, the type of distribution being therefore south-westerly, and the systems mainly cyclonic over our islands, but anticyclonic on the Continent. With some slight modifications these conditions remained with us till the end of the week, and during this interval three well marked depressions passed by our extreme north-west coasts.

The first reached us early on the 8<sup>th</sup> and passing quickly to the north-eastward, caused S-W and SW-W gales and much rain on our western and north-western coasts, and S-W breezes with showers elsewhere.

The second reached our western coasts on the 9<sup>th</sup> and spread rather more over us than its predecessor. It caused severe S-W and SW-W gales and rain in the west and north-west, and moderate gales in some other places, whilst, owing to the advance of a V-shaped subsidiary system, subsequently spread to England also on the 10<sup>th</sup>.

The third arrived off the north-west of Ireland on the 11<sup>th</sup>, again causing S-W and SW-W gales and rain in the west and north-west, but did not affect the weather over England very much. It soon passed away to the north-eastward and was not followed by any subsidiary disturbance of importance and at the close of the week the winds were lulling even in the west and north.

Thus the week has been a wet and windy one in the west and north-west, fair as a whole in the east and south-east, but occasionally unsettled—especially on the 10<sup>th</sup>.

## EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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# DAILY WEATHER REPORT.

for Tuesday 14<sup>th</sup> September 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.	Rain (0 to 1.)	SHADE TEMP.		Amount of Rainfall.													
			Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.														
SCANDINAVIA.																														
Haparanda ..																														
Hernösand ...	29.95	46	2	0	bc	30.01	+ .06	50	49	- 3	2	0	0	x	63	46	-													
Stockholm ...	30.15	59	2	0	bc	30.08	+ .04	63	60	+ 2	SW	4	0	x	68	53	-													
Wisby ...	30.10	63	SW	4	b	30.08	+ .05	63	61	0	SW	4	b	x	68	59	-													
Bodö ...	29.88	44	N	6	n	29.89	+ .22	41	40	- 5	W	6	bc	3	46	39	0.16													
Christiansund...	30.08	48	W	2	0	29.95	- .03	46	44	- 2	W	3	2	3	48	46	0.28													
Skudesnaes ...	30.02	54	SE	4	n	29.85	- .22	60	58	+ 5	SE	6	0	5	?	54	-													
Christiania Fjord (Fierder)	30.08	48	SSW	4	0	29.96	- .10	60	59	+ 3	SSW	5	n	3	61	?	-													
Skagen (The Scaw)	30.10	61	S	1	m	30.04	- .03	61	60	+ 2	SW	2	0	1	63	57	0.04													
Fanö ...	30.17	63	SW	1	c	30.06	- .04	61	60	- 3	SE	1	c	x	68	55	-													
BRITISH ISLANDS.																														
Sumburgh Head	29.98	52	2	0	0	29.91	- .06	49	49	- 2	2	0	n	0	56	47	0.24													
Stornoway ...	29.97	52	SSW	1	b	30.04	+ .08	50	49	- 2	W	4	ep	3	56	45	0.10													
Wick ...	29.98	52	2	0	n	29.99	- .01	51	50	- 2	W	2	bc	0	56	46	0.50													
Nairn ...	29.95	50	2	0	n	30.01	+ .02	50	50	0	W	1	c	1	58	46	1.12													
Aberdeen...	29.96	53	NE	1	nm	30.00	- .00	49	48	- 1	W	2	c	1	55	48	0.61													
Leith ...	29.91	55	W	1	0	30.03	+ .03	53	52	0	W	1	om	x	63	51	0.24													
Shields ...	29.96	67	SW	1	0	30.00	- .00	62	60	+ 8	W	2	c	2	68	53	-													
Spurn Head ...	30.03	62	SSW	3	b	30.02	- .02	63	61	- 1	SSW	2	b	3	70	57	-													
York ...	30.02	67	S	1	0	30.07	+ .03	56	55	- 2	S	1	bc	x	70	53	0.01													
Loughborough	30.02	70	2	0	c	30.07	+ .02	56	55	- 4	2	0	bm	x	74	53	-													
GERMANY.																														
Ardrossan ...	29.87	54	NE	1	ng	30.08	+ .11	54	51	+ 1	W	2	b	1	55	51	0.61													
Malin Head ...	29.92	51	ENE	4	n	30.14	+ .18	52	49	- 1	W	3	ep	4	53	50	0.38													
Mullaghmore ...	29.90	53	NE	5	ng	30.16	+ .23	54	52	0	W	4	c	3	54	51	0.54													
Belmullet ...	29.93	53	NE	3	0	30.21	+ .28	54	52	+ 3	ENE	2	b	x	54	48	0.14													
Donaghadee ...	29.88	59	SW	4	f	30.12	+ .17	54	53	0	W	3	bc	1	59	51	0.16													
Barrow-in-Farness	29.98	63	S	2	c	30.05	+ .10	57	56	- 1	W	4	0	3	67	57	0.02													
Liverpool (Bidston)	29.99	65	S	1	c	30.07	+ .09	61	59	- 2	W	1	bc	2	60	59	-													
Holyhead ...	29.98	61	SSW	4	0	30.10	+ .15	55	54	- 5	n	4	0	2	64	55	0.01													
Parsonstown ...	29.89	63	SSW	1	0	30.17	+ .30	53	52	- 1	n	1	c	x	65	51	0.17													
Valencia ...	29.90	55	n	2	mrg	30.15	+ .32	57	54	+ 3	NE	3	bc	3	58	53	0.82													
Roche's Point...	29.90	60	SSW	3	c	30.13	+ .28	56	55	- 4	NE	3	nm	4	61	54	0.12													
Pembroke ...	29.98	62	SE	2	c	30.08	+ .11	57	57	- 3	c	1	c	1	63	56	-													
Seilly ...																														
Prawle Point ...	30.00	60	ENE	1	b	30.07	+ .02	63	60	+ 2	NE	2	b	1	68	57	-													
Jersey ...	29.98	68	NE	1	bm	30.04	- .03	69	65	+ 5	ENE	1	bm	1	73	61	-													
Hurst Castle ...	30.03	66	SE	2	b	30.08	- .00	61	59	- 5	ENE	1	nm	0	72	53	-													
Dungeness ...	30.03	65	SE	3	b	30.02	- .06	64	64	+ 6	S	1	b	0	70	61	-													
London ...	30.05	66	SE	2	b	30.07	- .02	64	61	- 1	ENE	1	bm	x	76	54	-													
Oxford ...	30.04	60	SW	2	b	30.08	- .00	57	56	- 7	2	0	bm	x	74	50	-													
Cambridge ...	30.05	66	SSW	1	b	30.07	- .01	62	60	- 2	S	1	b	x	76	53	-													
Yarmouth ...	30.09	64	S	2	b	30.05	- .05	67	65	+ 3	SW	1	b	2	67	61	-													
Cuxhaven ...	30.24	66	S	1	b	30.15	- .06	64	62	+ 3	S	2	b	x	67	60	-													
Berlin ...	30.15	75	2	0	b	30.17	- .02	67	61	0	SE	1	b	x	82	63	-													
Wiesbaden ...						30.18	- .00	68	60	+ 1	2	0	b	x	81	57	-													
Munich ...	30.18	63	SE	1	b	30.21	- .03	62	59	+ 1	SW	3	b	x	75	54	-													
FRANCE & NETHERLANDS.																														
The Helder ...	30.11	66	E	1	b	30.09	- .04	63	63	0	S	1	b	1	72	59	-													
Brussels ...						30.11	- .03	65	64	+ 7	ENE	1	b	x	76	?	-													
Cape Gris Nez...	30.06	65	SW	3	b	30.02	- .09	70	64	+ 8	S	4	b	1	73	?	-													
Paris ...	30.06	72	SE	1	b	30.12	- .02	65	61	+ 10	S	3	b	x	81	?	-													
Brest ...	29.95	70	2	0	b	30.02	+ .01	62	61	+ 2	E	3	b	3	73	?	-													
Lorient ...	29.99	71	SE	1	b	30.02	- .03	64	61	+ 24	E	5	b	1	81	57	-													
Rocheport ...	30.00	78	SW	4	b	30.05	- .02	65	62	+ 5	ENE	4	b	2	88	57	-													
Belfort ...	30.10	72	E	3	b	30.20	+ .05	59	54	- 2	E	3	b	x	77	62	-													
Lyons ...	30.07	75	SE	4	bc	30.19	+ .04	65	60	- 1	ENE	1	b	x	86	59	-													
Nice ...	30.12	66	W	1	b	30.14	+ .03	75	59	+ 2	a	3	bc	2	82	64	-													
Perpignan ...	30.05	71	E	4	b	30.12	+ .02	64	64	+ 24	2	0	bc	x	78	60	-													
Barritz ...	29.90	80	ENE	5	b	29.98	+ .03	74	64	+ 10	S	5	b	2	91	63	-													
PENINSULA.																														
Corunna ...						29.85	- .05	61	60	- 2	ENE	3	f	4	70	59	-													
Lisbon ...	29.80	70	SSW	5	b	29.82	- .10	66	62	+ 4	SE	5	0	2	75	?	-													

† Received too late for insertion in Charge.

For Explanation of Columns, see p. 4.

# WEATHER CHARTS

for 8 a.m. on *Tuesday, 14<sup>th</sup> September, 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.

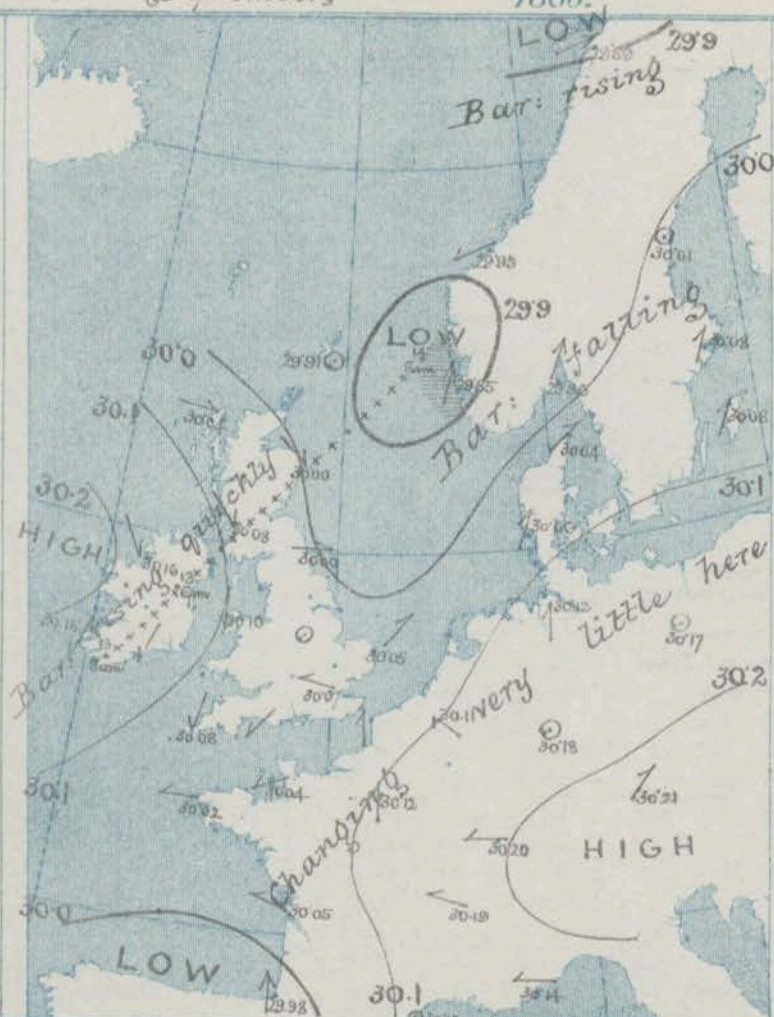
**Sea Disturbance**—where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER,

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

STATIONS.	MEAN READINGS.
	<i>ins.</i>
Sumburgh Head	29.758
Stornoway	29.781
Wick	29.788
Nairn	29.812
Aberdeen	29.815
Leith	29.851
Shields	29.878
York	29.913
Ardrossan	29.858
Dougloughdee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roche's Point	29.923
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.956
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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.

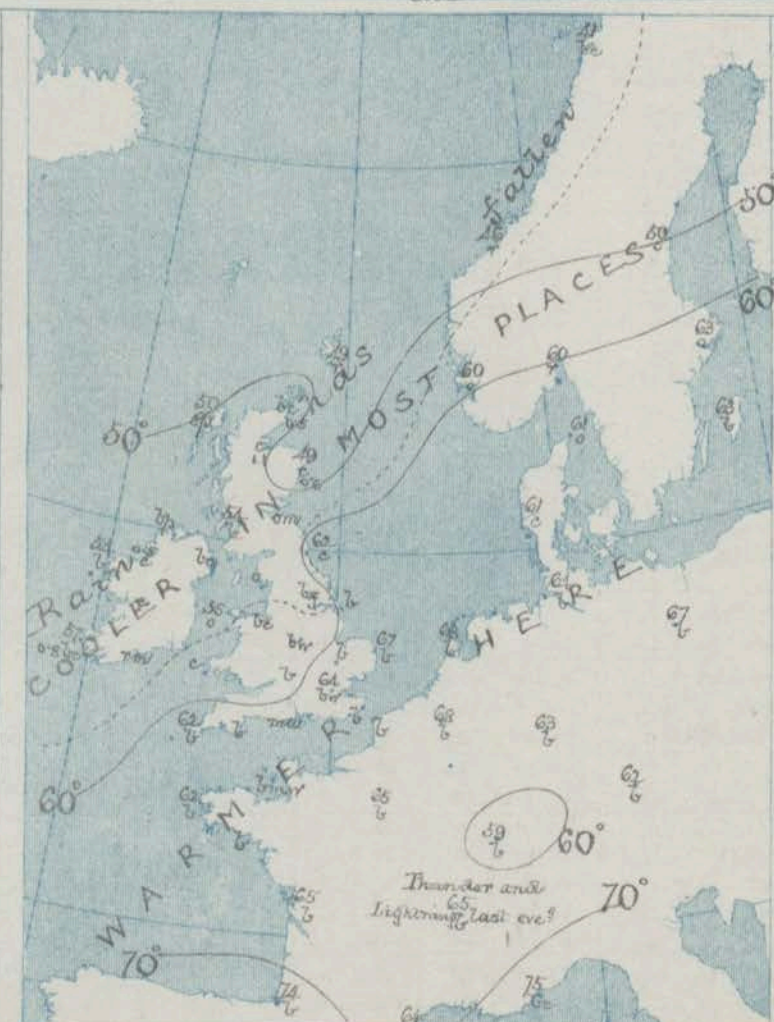
**Rainfall**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	55.2	46.2	50.6	49.0	3.46
Stornoway	55.9	45.4	51.0	49.7	4.13
Wick	57.5	45.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.73
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Dounglass	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.6	56.5	3.69
Hurst Castle	64.4	52.9	57.8	59.3	3.35
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	66.9	49.3	56.4	54.0	2.59
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

Note—The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1866—86.



# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.1 to 30.2 ins. and upwards over Germany and France and also over Ireland. Lowest 29.9 and less in the west of Norway, and also over southern parts of Spain and Portugal. Gradients slight and variable. Yesterday's shallow depression is now between Skudesnæs and Sumburgh Head. Barometer still rises in west, but is changing little in east.
TEMPERATURE	Highest 74° to 75° in south of France, 67° at Berlin, 68° at Dungeness. Lowest 54° at Belmullet, 49° at Sumburgh Head, and 41° to 46° in north-west of Norway. Thermometer is rising quickly in east as day advances.
WIND	Moderate to light from E. over Bay of Biscay and Channel — from N. in Ireland. Light NW in Scotland. S <sup>W</sup> at our eastern stations and on eastern shores of North Sea. At Skudesnæs the S <sup>W</sup> wind is strong locally.
WEATHER	Fine and bright in the east and south. — Cloudy and dull in west and north, with rain at several stations. Rainfall has been heavy in Scotland and some parts of Ireland.
SEA	Moderate to slight in the west, generally smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Two high pressure areas are found, — one over Central Europe and France, the other over, and to the westward of, Ireland. The latter appears to be increasing and spreading northwards. At the same time there are two low pressure areas, one over the western parts of Spain and Portugal, the other to the northward of Lapland, while the shallow depression noticed over Ireland yesterday has moved north-eastwards to near the Norwegian coast.

As the depression in the north passes off fine weather will probably set in over Scotland and Ireland. In the south the changes of pressure are at present too slight for any immediate alteration of the weather over England to be anticipated.

## FORECASTS

For the 24 hours ending at NOON on 15<sup>TH</sup> SEPT<sup>R</sup> 1886.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	N <sup>W</sup> winds, light; fine generally.
1	SCOTLAND EAST	.....D°.....D°.....D°.....
2	ENGLAND N. E.	Varying airs and calms; fair generally.
3	ENGLAND EAST	.....D°.....D°.....D°.....
4	MIDLAND COUNTIES	Calms and N <sup>W</sup> breezes, fine to cloudy.
5	ENGLAND SOUTH	E <sup>W</sup> breezes, light; fine.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	N <sup>W</sup> or NE <sup>W</sup> breezes; cloudy, rain at times.
7	ENGLAND N. W.	.....D°.....D°.....D°.....
8	ENGLAND S. W.	.....D°.....D°.....D°.....
9	IRELAND NORTH	.....D°.....D°.....D°.....
10	IRELAND SOUTH	.....D°.....D°.....D°.....

### WARNINGS

NONE ISSUED.

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.07	59	57	SSW 6	0	4	Holyhead ...	29.98	62	61	SSW 4	0 q/m	4
Sumburgh Head ...	29.99	54	53	2 0	0	1	Valencia ...	29.86	56	56	17 2	h	3
Stornoway ...	29.97	55	53	2 0	op	1	Scilly ...						
Aberdeen ...	29.99	55	53	ENE 1	op	1	Dungeness ...	30.08	68	63	2 0	b	0
Shields ...	29.97	59	58	E 2	c	2	London ...	30.07	74	62	SSW 3	b	2
Ardrossan ...	29.91	54	54	NE 3	h	1	Yarmouth ...	30.11	66	63	SSW 3	b	2
Malin Head ...	29.91	51	50	ENE 4	h	4	Jersey ...	30.00	72	65	ENE 1	b	1
Mullaghmore ...	29.89	54	53	NE 5	h	4	Rochefort ...	30.04	87	74	ESC 4	b	2
Belmullet ...	29.92	54	52	NE 3	op	2							

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

Yesterday's reports showed that the large anticyclone, which has been lying over Continental Europe for so long, still held, and there were some indications that a similar system lay over the Atlantic, while a very shallow depression had been developed over Ireland. Over Northern Europe gradients for W<sup>2</sup> winds prevailed. Thus, while calm and variable airs were reported in Austria, Germany and France, S<sup>2</sup> winds were felt over the North Sea and England, the winds over Ireland had become N<sup>2</sup>, while in Lolland the air was dead calm. The S<sup>2</sup> current was warm and dry, the N<sup>2</sup> cold and very wet, while over Central Europe the weather was dry and bright. Temperature ranged from between 68° and 75° in the south of France and 76° at the northern extremity of the Adriatic, to about 52° in Northern Russia and the west of Ireland, and to between 46° and 48° in the northwest of Norway. The highest individual readings reported were 78° at Brindisi, 77° at Malta and Algiers, 76° at Trieste, and 72° at Nice and Croisette; the lowest 52° at Archangel, Haparanda and Stornoway, 51° at Belmullet and Sumburgh Head, 48° at Christiansund and 46° at Røddi.

During the day the weather remained fine over the Continent and England, but much rain fell in Ireland and Scotland, as the shallow depression noticed in the west moved north-eastwards. Temperature rose to between 80° and 86° over Germany and Central France, to 88° at Rochefort and to 90° at Biarritz; over England the maxima varied from 70° to 76°, but in Scotland they were all below 60°.

### 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 15<sup>th</sup> September

1886.

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

Issued by the Meteorological Office, 15, Victoria Street, London, W. H. SCOTT, Secretary.																	
STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.	
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.
			Dirac.	Force (0 to 12.)		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dirac.	Force (0 to 12.)			Max.	Min.	
SCANDINAVIA.																	
Haparanda ...	29.75	48	L	0	0	29.63	—	39	36	—	N	4	bc	4	50	39	—
Hernösand ...	29.63	42	NE	8	r	29.52	— 17	42	38	— 8	N	6	b	4	50	41	1.14
Stockholm ...	29.73	67	SW	4	0	29.62	— 16	45	41	— 18	N	6	c	4	72	?	0.16
Wisby ...	29.84	66	SW	6	b	29.83	— 25	51	48	— 12	NW	8	o	4	75	3	—
Bodö ...	29.86	42	W	4	c	29.82	— 27	43	41	+ 2	WNW	5	o	3	43	44	0.08
Christiansund ...	30.03	44	N	6	r	30.24	+ 29	44	41	— 2	NW	6	r	5	?	37	0.58
Skudesnaes ...	30.01	32	NW	7	o	30.22	+ 17	48	43	— 12	NNW	4	bc	4	61	?	—
Christiana Fjord (Fjord)	29.77	59	W	6	b	30.18	+ 22	49	42	— 11	N	6	b	2	61	48	—
Skagen (The Sea)	29.95	59	NW	4	b	30.15	+ 29	51	44	— 10	NE	6	bc	4	66	30	—
Fanö ...	30.01	59	NW	4	c	30.20	+ 14	54	50	— 7	NW	6	c	4	73	54	—
BRITISH ISLANDS.																	
Sumburgh Head	30.22	44	NNE	2	c	30.53	+ 12	44	42	— 5	NNE	1	c	1	50	38	0.31
Stornoway ...	30.33	49	NNE	3	b	30.57	+ 53	48	45	— 2	ESE	3	cy	2	55	42	0.11
Wick ...	30.31	47	NE	3	o	30.54	+ 60	49	44	— 2	N	1	o	0	56	43	0.03
Nairn ...	30.25	52	NNE	3	c	30.58	+ 57	41	40	— 9	L	0	c	2	58	38	0.07
Aberdeen ...	30.22	52	NNW	4	b	30.56	+ 56	48	45	— 1	N	3	c	1	64	41	—
Leith ...	30.23	59	NNW	1	b	30.57	+ 54	52	47	— 1	NE	2	b	4	66	47	—
Shields ...	30.19	54	NE	2	c	30.50	+ 50	52	47	— 10	NE	2	b	3	63	48	—
Spurn Head ...	30.17	57	NNE	5	c	30.44	+ 42	55	53	— 8	NE	5	bc	5	69	52	—
York ...	30.18	59	ENE	2	b	30.49	+ 42	52	50	— 4	N	1	b	4	70	43	—
Loughborough	30.17	65	WNW	2	c	30.44	+ 37	53	50	— 3	NE	2	b	4	72	49	—
GERMANY.																	
Ardrossan ...	30.15	56	WNW	2	b	30.53	+ 45	48	45	— 6	ENE	2	bm	1	59	44	—
Malin Head ...	30.34	53	N	3	c	30.54	+ 46	51	49	— 1	ESE	4	bm	4	55	50	—
Mullaghmore ...	30.32	54	N	5	bv	30.48	+ 32	51	49	— 3	E	4	b	2	58	48	—
Belmullet ...	30.36	53	NNE	2	bc	30.46	+ 47	53	49	— 1	E	1	b	4	56	47	—
Donaghadee ...	30.38	54	N	6	b	30.50	+ 38	52	51	— 2	E	6	b	4	58	50	—
Barrow-in-Furness	30.20	59	N	2	b	30.46	+ 41	51	48	— 6	N	2	b	2	62	47	—
Liverpool (Bidston)	30.22	58	NW	3	b	30.46	+ 39	52	48	— 9	ENE	2	bm	3	61	50	—
Holyhead ...	30.25	55	N	4	b	30.43	+ 33	53	50	— 2	ENE	5	bur	4	58	52	—
Parsonstown ...	30.29	57	L	0	b	30.37	+ 20	43	43	— 10	N	1	b	4	62	37	—
Valencia ...	30.27	57	NNE	4	bc	30.36	+ 21	54	50	— 3	ESE	3	b	3	63	48	—
Roche's Point...	30.23	58	ESE	2	c	30.31	+ 8	52	49	— 4	NE	3	c	3	61	45	—
Pembroke ...	30.19	57	NNE	4	b	30.31	+ 23	57	54	0	ENE	4	cf	2	62	55	0.01
Scilly ...																	
Prawle Point ...	30.12	67	NE	3	b	30.26	+ 19	58	55	— 5	NE	6	og	5	74	56	—
Jersey ...	30.06	72	NE	1	bm	30.17	+ 10	63	61	— 6	ENE	4	om	3	80	62	—
FRANCE & NETHERLANDS.																	
Hurst Castle ...	30.10	72	NNE	2	b	30.31	+ 23	59	57	— 2	NE	5	c	2	75	57	—
Dungeness ...	30.06	68	W	2	b	30.27	+ 25	60	58	— 8	ENE	16	r	4	72	59	0.05
London ...	30.12	71	NW	2	bm	30.35	+ 28	58	56	— 6	NE	5	c	4	80	55	—
Oxford ...	30.19	61	N	2	bc	30.38	+ 30	55	52	— 2	NNE	5	og	4	74	54	—
Cambridge ...	30.14	62	N	2	o	30.41	+ 34	57	53	— 5	NE	2	b	4	78	53	—
Yarmouth ...	30.12	64	N	4	b	30.38	+ 33	59	54	— 8	NE	5	b	4	72	55	—
Cuxhaven ...	30.12	69	S	7	c	30.21	+ 08	62	59	— 2	N	6	bc	4	71	58	0.10
Berlin ...	30.04	76	L	0	b	30.09	— 08	68	62	+ 1	NW	2	bc	4	84	63	—
Wiesbaden ...						30.20	+ 02	67	63	+ 4	L	0	o	4	81	57	—
Munich ...	30.23	62	L	0	b	30.27	+ 06	64	60	+ 2	SW	4	b	4	77	55	—
PENINSULA.																	
The Helder ...	30.10	65	NNW	3	bc	30.30	+ 21	59	53	— 4	NNE	3	bc	3	77	57	—
Brussels ...						30.27	+ 16	62	59	— 6	NE	4	c	4	84	60	—
Cape Gris Nez...	30.11	67	L	0	b	30.23	+ 21	62	60	— 8	ENE	8	m	6	75	61	—
Paris ...	30.10	74	SE	1	b	30.19	+ 07	60	59	— 5	N	1	m	4	84	57	—
Brest ...	30.06	72	NNW	3	m	30.09	+ 07	61	60	— 1	ENE	4	b	3	81	61	—
Lorient ...	30.04	69	S	1	b	30.10	+ 08	64	62	0	ESE	4	b	1	87	59	—
Rochefort ...	30.08	74	NW	3	b	30.13	+ 08	65	61	0	ESE	5	b	2	?	61	—
Belfort ...	30.14	76	E	3	bc	30.23	+ 03	60	58	+ 1	SW	3	b	4	80	53	—
Lyons ...	30.12	76	S	1	b	30.24	+ 05	63	58	— 2	WSW	1	b	4	86	58	—
Nice ...	30.13	77	E	5	b	30.17	+ 03	72	57	— 3	ENE	3	b	1	82	66	—
Perpignan ...	30.13	71	NE	4	bc	30.19	+ 07	64	63	0	L	0	bc	4	78	62	—
Biarritz ...	30.00	80	E	4	b	30.08	+ 10	73	65	— 1	SSE	3	o	1	?	68	—
Corunna ...						30.06	+ 24	63	61	+ 2	SW	3	m	4	84	59	0.12
Lisbon ...	29.90	70	SSW	7	b	29.99	+ 17	67	64	+ 1	SSE	4	b	3	75	64	—

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

# WEATHER CHARTS

for 8 a.m. on Wednesday 15<sup>th</sup> September.

## 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.

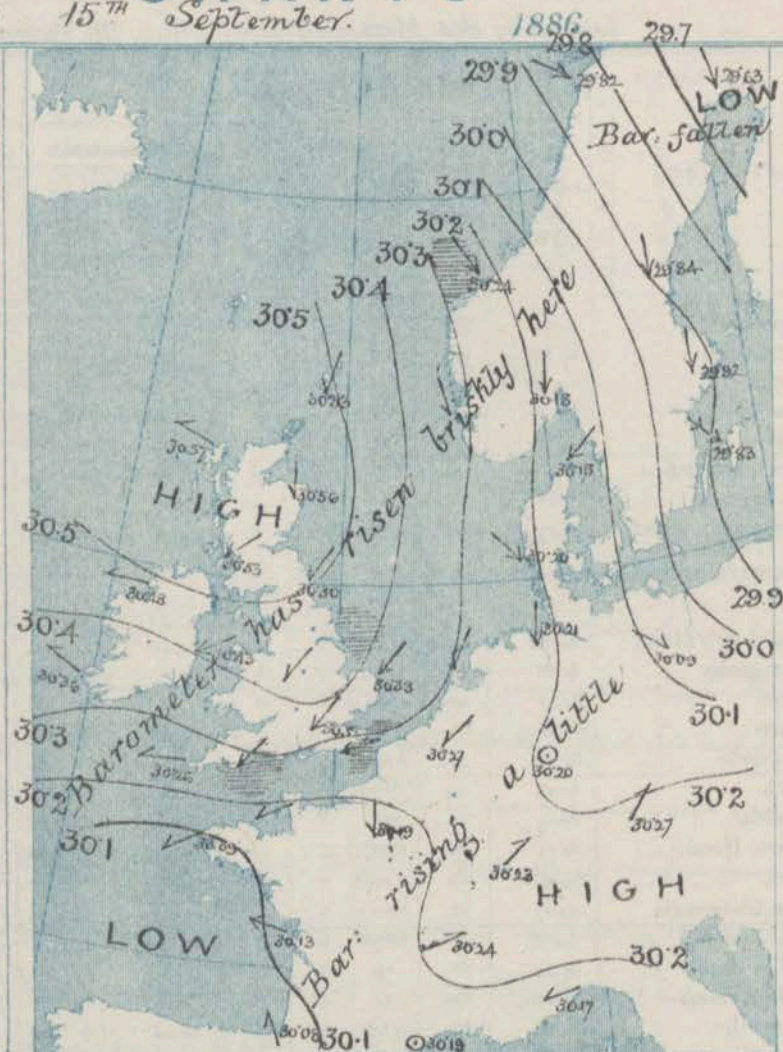
**Sea Disturbance** — where considerable is shown thus

■ — Rough. ■ — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.758
Stornoway	29.781
Wick	29.786
Nairn	29.812
Aberdeen	29.815
Leith	29.851
Shields	29.876
York	29.913
Ardrossan	29.858
Donaghadee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roche's Point	29.928
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.956
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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.

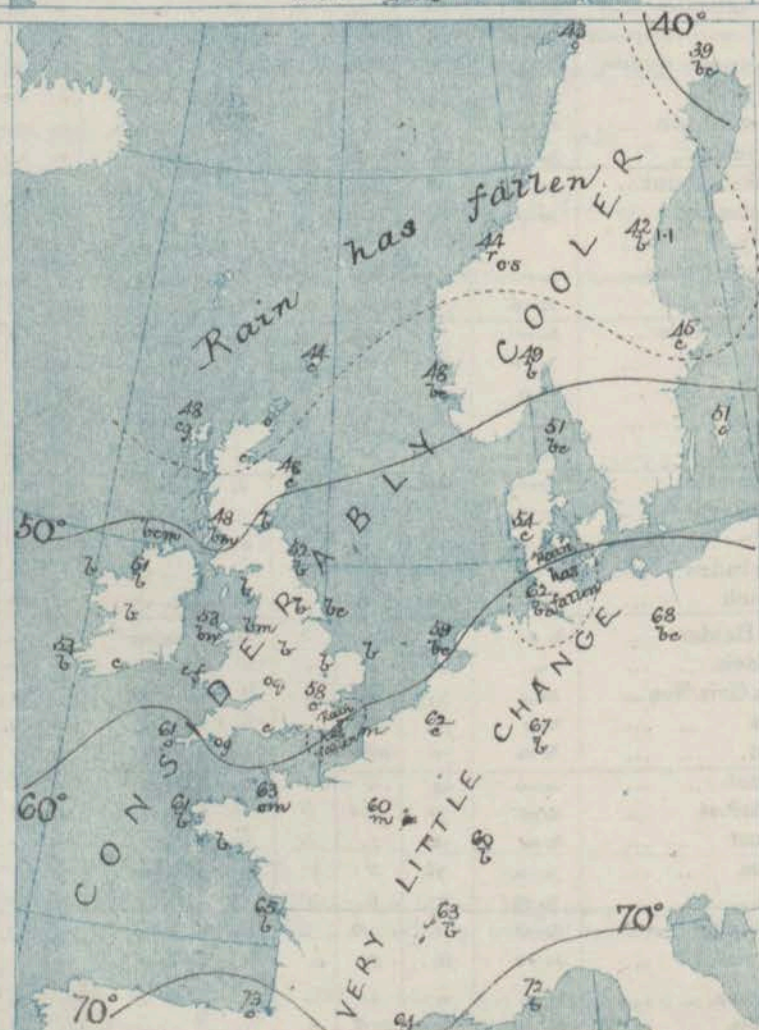
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of September.

STATIONS :	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	55.2	46.2	50.6	49.0	3.46
Stornoway	55.9	45.4	51.0	49.7	4.13
Wick	57.5	45.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.73
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	40.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.5	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	66.9	49.3	56.4	54.0	2.59
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

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 to 30.6 ins over Scotland — 30.2 ins and upwards over Southern Germany and east of France.  
Lowest, 29.1 ins and less over Bay of Biscay — 29.7 ins and less over Finland.  
Gradients, moderate for N<sup>w</sup> winds over Scandinavia and North Sea, for E<sup>ly</sup> winds over Ireland, England and Channel. Barometer rising except in Sweden and Northern Russia.

## TEMPERATURE

Highest in south and south-west of France, 64° to 68° over North Germany.  
Lowest 48° or 49° at most Scotch stations, 44° in north-west of Norway, 42° at Hernösand, 39° at Haparanda.  
It has fallen decidedly over North-western Europe during past twenty-four hours.

## WIND

Fresh to strong from N<sup>w</sup> on eastern shores of North Sea and from E and NE over Ireland, England and Channel. Light and variable (anticyclonic) in Scotland.  
Moderate E<sup>ly</sup> over Bay of Biscay.

## WEATHER

Fair and dry in most places; dull in Scotland, dull and showery in north-west of Norway.  
Cloudy and unsettled in south of England, with rain at Bournemouth.  
Clouds over London (detached strays almost stationary) look unsettled.  
Some rain fell in Scotland yesterday and a larger amount over Scandinavia.

## SEA

Rough in the Channel and on south-east coast of England, moderate in west, smooth in north and north-east.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

(1) The anticyclone which reached our western coasts yesterday had moved north-eastwards and now lies over Scotland whence it is spreading over the United Kingdom and the North Sea. The larger system over Germany, however, seems to be giving way somewhat, but is united with that over our islands by means of a "Col" which lies over the east of France and western parts of Germany.

(2) There appears to be a large depression over Northern Russia, moving in a south-easterly direction, but its distance from our islands is too great for the winds on our coasts to be materially affected by it.

(3) Over the British Islands, France and the North Sea the barometer is rising generally, and a continuation of NE<sup>ly</sup> and E<sup>ly</sup> winds seems probable.

## FORECASTS

For the 24 hours ending at NOON on 16<sup>th</sup> September 1886.

### DISTRICTS.

### FORECASTS.

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

N<sup>w</sup> winds, light to moderate; fair, cool.  
D<sup>o</sup> ..... D<sup>o</sup>  
D<sup>o</sup> ..... D<sup>o</sup>  
Same as N<sup>o</sup> 5.  
NE<sup>ly</sup> winds, moderate; fair, cool.  
NE<sup>ly</sup> winds, fresh or strong; unsettled, gusty, cool.

### DISTRICTS.

### FORECASTS.

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

E<sup>ly</sup> breezes, light to moderate; fine.  
D<sup>o</sup> ..... D<sup>o</sup>  
Same as N<sup>o</sup> 5.  
E<sup>ly</sup> and NE<sup>ly</sup> winds, fresh; fair.  
D<sup>o</sup> ..... D<sup>o</sup>

### WARNINGS

None issued.

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.90	53	52	WNW	5	0	5	Holyhead ...	30.21	57	54	NNE	4	6	2
Sumburgh Head ...	30.08	56	45	NNE	2	r	1	Valencia ...	30.23	62	59	NNE	5	6v	5
Stornoway ...	30.22	54	49	N	4	6	3	Scilly ...	...	...	...	...	...	...	...
Aberdeen ...	30.10	60	53	NW	3	6	1	Dungeness ...	30.06	71	68	S	2	6	1
Shields ...	30.12	59	56	NE	2	6	2	London ...	30.08	78	66	NW	2	6	2
Ardrossan ...	30.15	59	55	NW	3	6	2	Yarmouth ...	30.08	71	64	N	3	6	2
Malin Head ...	30.19	54	50	NNW	3	6v	3	Jersey ...	30.05	78	71	Z	0	6	0
Mullaghmore ...	30.26	56	50	SW	4	cv	3	Rocheport ...	30.07	89	76	SSE	1	6	2
Belmullet ...	30.32	56	51	N	3	6	2								

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

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

Yesterdays report showed a continuation of the large anticyclone lying over Eastern, central and southern Europe, but that a second such system had reached Ireland from the Atlantic, while the shallow depression noticed in that region on Monday had passed north-eastwards to Norway. Thus, while light variable and S<sup>ly</sup> breezes still prevailed in the former regions, with fine warm weather, cold N<sup>ly</sup> winds were beginning to spread over the western and northern parts of the United Kingdom, with unsettled weather and rain in places. Temperature varied from between 70° and 75° on the northern shores of the Mediterranean and Adriatic to about 40° in Lapland. It had become locally high (60° to 68°) over the British Isles, Germany, and Denmark, but was low 52° to 53° over Central Austria and over a portion of Central France. The highest individual readings were 77° at Algiers, Brindisi, Palma and Bilbao, 75° at Trieste and Nice, and 74° at Bismitz; the lowest 41° at Bodø and 44° at Archangel.

During the day the new anticyclone grew higher and moved north-eastwards. Cold NE<sup>ly</sup> winds began to spread southwards over the United Kingdom, so that while maximum temperatures were recorded as high as 86° at Lyons, 84° at Berlin, 82° at Nice and 80° even in London, the thermometer did not rise above 58° over the northern half of Ireland. At Cambridge the thermometer fell from a maximum of 78° in the afternoon to 62° at 6pm, and the change subsequently spread all over the southern counties.

### 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 16<sup>th</sup> September

1886.

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

Issued by the Meteorological Office, No. 1, Victoria Street, London, E.C. 1. 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.																			
Haparanda ..	29.86	38	NW	4	b	30.01	+ .38	44	39	+ 5	NW	2	b	*	50	34	-		
Hernösand ...	29.90	44	NW	8	b	30.26	+ .42	45	40	+ 3	NW	6	b	*	52	36	-		
Stockholm ...	30.16	46	N	2	bc	30.34	+ .42	45	40	0	NW	4	b	*	66	39	-		
Wisby ...	30.06	52	N	6	0	30.27	+ .44	49	43	- 2	N	6	bc	*	55	46	-		
Bodö ...	30.02	44	WNW	6	0	30.13	+ .33	44	42	+ 1	WNW	6	b	*	46	39	0.08		
Christiansand...	30.38	45	NW	6	n	30.20	+ .06	47	43	+ 3	SW	4	0	5	48	39	0.16		
Skudesnaes ...	30.47	47	WNW	4	c	30.54	+ .22	48	44	0	WNW	1	c	3	52	46	-		
Christiania Fjord (Færd)	30.37	53	NW	4	b	30.48	+ .30	49	44	0	WNW	2	b	1	63	46	-		
Skagen (The Seaw)	30.37	51	N	2	b	30.45	+ .30	50	47	- 1	Z	0	b	1	55	43	-		
Fanö ...	30.45	47	N	4	c	30.52	+ .32	50	47	- 4	NE	1	b	*	59	41	-		
BRITISH ISLANDS.																			
Sumburgh Head	30.56	45	NW	1	0	30.41	- .12	49	47	+ 5	WSW	3	c	3	50	42	-		
Stornoway ...	30.56	51	SSW	2	b	30.47	- .10	51	49	+ 3	SSW	4	cb	3	55	40	-		
Wick ...	30.59	47	SW	1	b	30.51	- .08	51	47	+ 2	SW	3	bc	0	56	42	-		
Nairn ...	30.57	47	ENE	1	b	30.49	- .09	44	42	+ 3	Z	0	bc	1	55	36	-		
Aberdeen...	30.61	48	E	1	b	30.57	+ .01	44	42	- 4	WSW	1	ew	1	53	35	-		
Leith ...	30.62	51	SE	1	c	30.61	+ .04	39	39	- 13	Z	0	f	3	55	33	-		
Shields ...	30.59	51	ENE	2	0	30.59	+ .09	44	43	+ 8	WNW	1	0	4	55	40	-		
Spurn Head ..	30.52	53	NE	4	bc	30.55	+ .11	55	52	0	NE	4	c	4	58	51	-		
York ...	30.56	53	ENE	2	0	30.58	+ .09	50	46	- 2	ENE	1	0	*	60	40	-		
Loughborough	30.51	53	ENE	3	c	30.54	+ .10	50	48	- 3	E	2	c	*	63	41	-		
Ardrossan ...	30.56	51	ENE	1	b	30.58	+ .05	44	41	- 4	NE	2	bf	1	57	38	-		
Malin Head ...	30.53	53	ENE	4	bm	30.52	- .02	48	45	- 3	SE	3	bm	2	55	43	-		
Mullaghmore ..	30.50	56	E	4	b	30.49	+ .01	50	47	- 1	E	4	bw	2	59	49	-		
Belmullet ...	30.46	57	E	3	b	30.46	- .02	51	49	- 2	SE	1	b	*	61	45	-		
Donaghadee ...	30.55	54	SE	5	bc	30.55	+ .05	54	50	+ 2	SSE	3	b	1	58	49	-		
Barrow-in-Furness	30.53	52	N	3	b	30.56	+ .10	46	43	- 5	NE	2	b	2	58	41	-		
Liverpool (Bidston)	30.50	54	ENE	4	b	30.55	+ .09	50	45	- 2	E	2	bm	2	59	44	-		
Holyhead ...	30.47	56	ENE	4	bm	30.52	+ .09	50	46	- 3	ENE	3	b	2	59	46	-		
Parsonstown ...	30.46	55	N	1	b	30.46	+ .09	52	48	+ 9	NE	1	b	*	61	42	-		
Valencia ...	30.35	61	ENE	4	ogm	30.37	+ .01	57	56	+ 3	ESE	2	om	1	62	54	-		
Roche's Point...	30.35	57	E	5	c	30.34	+ .03	56	53	+ 4	ESE	5	c	4	60	50	-		
Pembroke ...	30.37	58	ENE	2	c	30.43	+ .12	52	48	- 5	E	4	b	2	62	48	-		
Seilly ...	30.30	60	NE	6	0	30.35	+ .09	55	52	- 3	ENE	7	c	6	61	52	-		
Prawle Point ...	30.22	61	ENE	7	bm	30.27	+ .10	59	56	- 4	ENE	6	bm	*	64	57	-		
Jersey ...	30.38	62	ENE	6	c	30.41	+ .10	56	53	- 3	ENE	5	b	3	64	50	-		
Hurst Castle ...	30.31	60	ENE	7	0	30.40	+ .13	56	51	- 4	ESE	6	0	4	61	55	-		
Dungeness ...	30.43	58	NE	4	bc	30.46	+ .11	54	48	- 4	E	4	0	*	67	48	-		
London ...	30.48	50	NE	4	b	30.49	+ .11	51	46	- 4	ENE	2	bw	*	63	42	-		
Oxford ...	30.47	52	NE	2	b	30.49	+ .08	56	50	- 1	NE	2	c	*	64	39	-		
Cambridge ...	30.46	57	NE	6	bc	30.50	+ .12	57	51	- 2	ENE	5	b	4	61	53	-		
Yarmouth ...	30.37	59	N	4	b	30.55	+ .34	56	53	- 6	SE	2	b	*	71	53	-		
Cuxhaven ...	30.21	57	N	2	b	30.49	+ .40	51	44	- 17	N	2	b	*	73	46	0.04		
Berlin ...	30.20	60	Z	0	c	30.44	+ .24	57	50	- 10	NE	3	0	*	73	58	-		
Wiesbaden ...	30.36	53	51	- 11	NE	3	0	*	73	52	0.55								
Munich ...	30.45	56	ENE	3	c	30.50	+ .20	56	51	- 3	ENE	1	0	2	61	54	-		
The Helder ...	30.46	50	46	- 12	ENE	4	b	*	71	44	0.04								
Brussels ...	30.41	51	50	- 11	ENE	8	c	6	64	48	-								
Cape Gris Nez...	30.32	60	ENE	8	0	30.41	+ .18	51	50	- 11	ENE	8	0	6	64	48	-		
Paris ...	30.24	67	ENE	4	1	30.32	+ .13	57	51	- 3	NE	5	0	*	75	54	-		
Brest ...	30.14	68	ENE	4	b	30.18	+ .09	58	56	- 3	E	5	b	4	75	54	-		
Lorient ...	30.10	70	NE	1	b	30.19	+ .09	60	58	- 4	E	7	m	2	86	55	-		
Rocheport ...	30.17	77	WNW	3	b	30.27	+ .14	69	66	+ 4	SSE	4	0	2	93	64	-		
Belfort ...	30.23	72	N	3	0	30.30	+ .07	60	56	0	E	3	c	*	78	53	-		
Lyons ...	30.15	76	ENE	1	b	30.22	- .02	62	58	- 1	N	1	bc	*	86	60	-		
Nice ...	30.15	70	SSW	1	b	30.13	- .04	72	62	- 10	Z	0	b	2	82	63	-		
Perpignan ...	30.18	65	Z	0	b	30.18	- .01	65	63	+ 1	Z	0	b	*	80	50	-		
Biarritz ...	30.09	70	ENE	1	0	30.20	+ .12	67	65	- 6	SEW	3	c	1	84	66	0.04		
Corunna ...	30.11	71	SW	4	b	30.17	+ .18	66	61	- 1	?	?	b	5	75	64	-		
Lisbon ...																			

For Explanation of Columns, see p. 4.

# WEATHER CHARTS

for 8 a.m. on *Thursday, 16<sup>th</sup> September, 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.

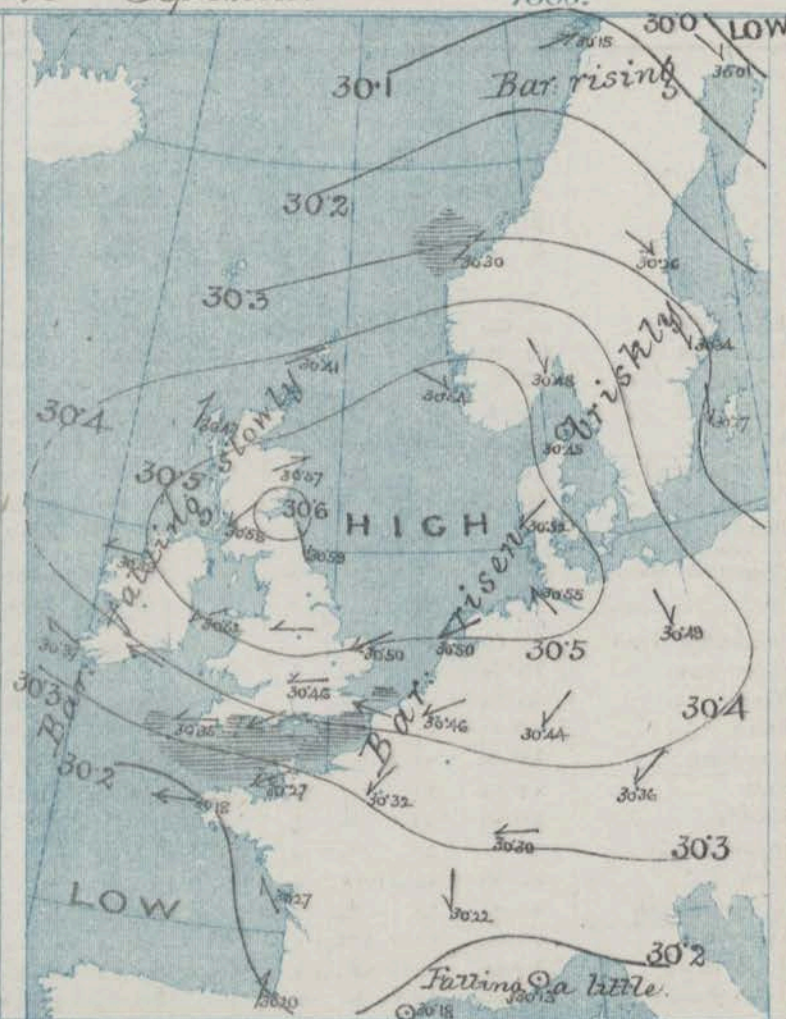
**Sea Disturbance** — where considerable is shown thus

▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

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	ins.
Sumburgh Head	29.758
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Pembroke	29.924
Scilly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.956
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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.

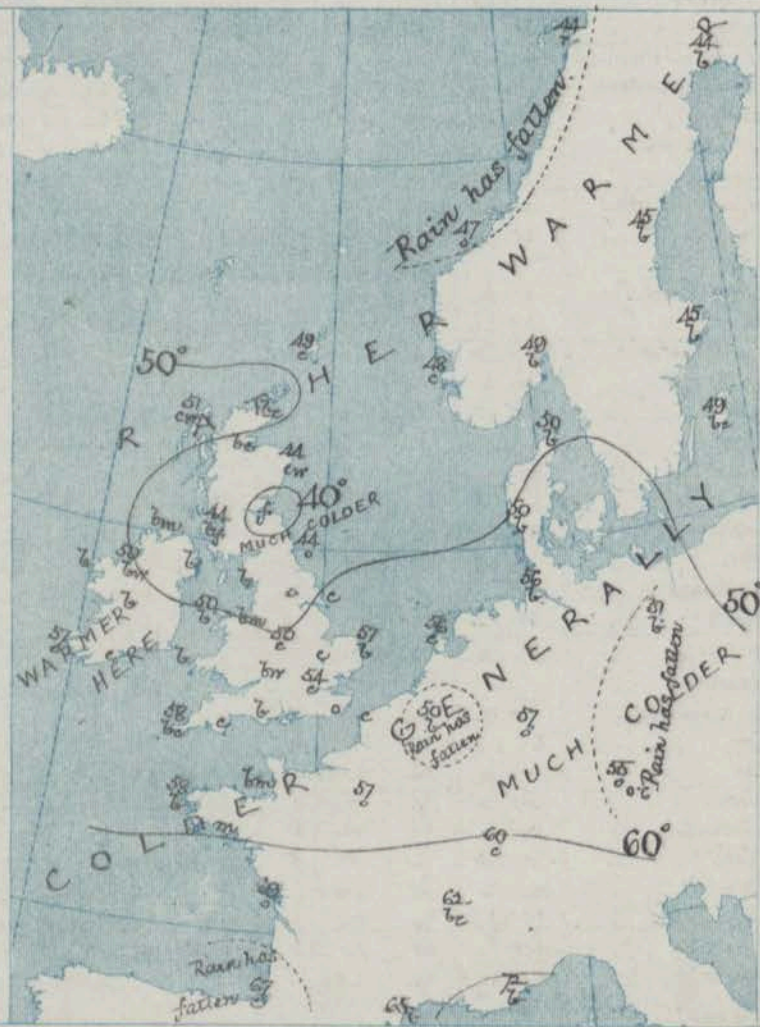
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet	
Sumburgh Head	55.2	46.2	50.6	49.0	3.46
Stornoway	55.9	45.4	51.0	49.7	4.13
Wick	57.5	46.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.73
Aberdeen	58.0	47.1	52.0	40.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.6	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	66.9	49.3	56.4	54.0	2.59
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

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



# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.5 to 30.6 ins: over the North Sea and northern parts of England and Ireland. Lowest 30.2 ins: and less over Bay of Biscay and Spain - 30.0 ins: in Finland Gradients are slight. Barometer is falling in the west and north of our Islands, most in Scotland, rising elsewhere. Anticyclone is moving south-eastwards.
TEMPERATURE	Highest 72° at Kiel and 69° at Rochefort Lowest 44° in north of Scandinavia, 49° at Lumburgh Head, 39° at Leith. It is lower than it was yesterday except over south of Ireland <sup>(and the extreme northern stations)</sup> . The fall over Germany varies from 6° to 17°. E. at the southern stations, (very strong in Channel). SE. moderate in Ireland.
WIND	SW. light to moderate in Scotland and the northwest of Norway. The SW. wind is apparently spreading southwards.
WEATHER	Dry except at Bodo; the amount of cloud varies greatly in different localities; thick fog is reported in the south of Scotland Rain has fallen in the northwest of Norway and also at the German stations.
SEA	Rough in the Channel, moderate on our east and north-east coasts, smooth in the west and north-west.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

- (1.) As the anticyclone moves south-eastwards the SW. <sup>wind</sup> in the north will probably spread southwards and freshen at the extreme northern stations, with mild and showery weather.
- (2.) As, however, the anticyclone will still lie partially over England tonight the weather there will probably be cold and foggy, while in Ireland the wind will probably veer towards S. In the Channel the E. wind will build gradually.
- (3.) Depressions are likely to appear in the extreme northwest shortly and move eastwards towards Norway.

## FORECASTS

For the 24 hours ending at NOON on 17<sup>th</sup> SEPT<sup>r</sup>

1886.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	SW. winds, strong; squally, showery.
1	SCOTLAND EAST	Calms and SW. breezes; fine, becoming milder.
2	ENGLAND N.E.	De. . . . . De. . . . . De. . . . .
3	ENGLAND EAST	Wind backing and veering; cold tonight and perhaps foggy, warmer tomorrow.
4	MIDLAND COUNTIES	De. . . . . De. . . . . De. . . . .
5	ENGLAND SOUTH	E. winds, moderating; fair, cold at night.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	S. and SW. winds, moderate; cloudy, some showers.
7	ENGLAND N.W.	SE. winds, moderate; fair.
8	ENGLAND S.W.	E. winds, strong to fresh; fair.
9	IRELAND NORTH	SE. winds, moderate; fair.
10	IRELAND SOUTH	De. . . . . De. . . . . De. . . . .
WARNINGS		None issued.

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.42	52	48	NW 6	c	H	Holyhead ...	30.47	59	52	ESE 5	b m	H
Sumburgh Head ...	30.57	48	45	NW 1	b c	1	Valencia ...	30.36	60	57	NE 4	o m	H
Stornoway ...	30.59	54	48	SSE 3	b	2	Scilly ...						
Aberdeen ...	30.62	52	47	NNE 2	b c	1	Dungeness ...	30.31	59	56	ESE 6	n	H
Shields ...	30.57	54	48	NE 2	c	3	London ...	30.39	64	55	NE 4	c	H
Ardrossan ...	30.57	56	54	ESE 2	b c	1	Yarmouth ...	30.45	60	54	NE 5	b	H
Malin Head ...	30.54	53	51	ESE 4	b	3	Jersey ...	30.20	65	58	ESE 6	b	5
Mullaghmore ...	30.51	58	55	E 5	b	3	Rochefort ...	30.18	87	74	SSE 4	b	2
Belmullet ...	30.49	60	54	E 2	b	H							

## GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

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

Yesterday morning's report showed that while pressure remained uniformly ~~rather~~ high over South-eastern, Southern and Central Europe, another and more anticyclonic system had appeared over Scotland and was spreading south-eastwards over the North Sea. In the meantime the small depression which lay over the south of Scandinavia on the 11<sup>th</sup> had grown much deeper, and had moved eastwards to Finland. Thus, while strong cold N<sup>w</sup> winds and rain prevailed over the Baltic and Scandinavia, cold NE<sup>1</sup> winds had set in over all other parts of North-western Europe, and blew strongly in the English Channel, with dull weather and a little rain locally. Over southern and south-eastern Europe the weather remained fine and bright. Temperature varied from between 70° and 73° on the northern shores of the Mediterranean and Adriatic to a little above 40° at Nain and to below 40° in the north of Scandinavia. The highest individual readings recorded were 77° at Barcelona, 75° at Biskra (Algeria), Brindisi and Grosseto, 73° at Biarritz and 72° at Nice; the lowest were 41° at Nain and Uleaborg and 39° at Naparanda.

During the day the weather over Germany became less settled, showery, and colder, and remained cold over the north of France and British Isles generally, but was very warm in the southwest of France. The thermometer rose to 93° at Rochefort and to 86° at Lyons and Lorient, but did not reach 75° at the German stations, nor did it exceed 67° in any part of England. At night it fell rapidly over our north-eastern counties, as the anticyclone moved south-eastwards, the minima being 33° at Leith, 35° at Aberdeen, and 36° at Nain.

## 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 17<sup>th</sup> September 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.	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 ..	29.73	47	W	6	N	29.50	-.51	49	45	+ 5	W	4	C	4	50	34	-	
	Hernösand ...	30.17	49	SW	6	O	29.80	-.46	52	45	+ 7	SW	4	C	4	55	39	-	
	Stockholm ...	30.29	47	W	2	O	30.04	-.30	49	45	+ 4	SW	4	C	4	54	36	-	
	Wisby ...	30.31	53	NW	6	b	30.08	-.19	53	49	+ 4	NW	6	O	4	55	48	-	
	Bodö ...	29.65	48	WSW	8	C	29.52	-.63	43	41	- 1.	WSW	8	O	4	48	41	0.47	
	Christiansund...	30.11	50	SW	9	N	30.02	-.28	50	47	+ 3	W	9	N	6	50	45	0.51	
	Skudesnaes ...	30.43	51	W	2	O	30.34	-.20	54	49	+ 6	NW	4	O	3	54	48	-	
	Christiania Fjord (Fierder)	30.31	55	SW	4	b	30.20	-.28	53	49	+ 4	W	4	O	1	57	?	-	
	Skagen (The Seaw)	30.34	51	NW	2	b	30.21	-.24	54	49	+ 4	NW	5	C	3	59	50	-	
	Fanö ...	30.50	48	NW	1	C	30.43	-.09	52	49	+ 2	NW	1	b	4	61	45	-	
BRITISH ISLANDS.	Sumburgh Head	30.36	51	WSW	3	O	30.30	-.11	51	50	+ 2	W	4	O	4	55	49	-	
	Stornoway ...	30.41	52	SSW	4	b	30.36	-.11	46	45	- 5	NE	1	bew	0	56	38	-	
	Wick ...	30.43	51	W	1	b	30.39	-.12	47	46	- 4	W.	1	b	0	60	31	-	
	Nairn ...	30.43	50	WSW	1	b	30.40	-.09	39	39	- 5	W	0	b	1	61	33	-	
	Aberdeen...	30.47	50	SW	2	b	30.42	-.15	42	40	- 2	NW	1	bew	1	59	33	-	
	Leith ...	30.48	54	SSE	1	b	30.41	-.20	40	40	+ 1	NW	1	f	4	62	36	-	
	Shields ...	30.51	52	ESE	2	C	30.40	-.19	52	50	+ 8	ESE	2	C	3	56	42	-	
	Spurn Head ...	30.48	55	E	4	b	30.37	-.18	57	56	+ 2	E	4	b	4	58	54	-	
	York ...	30.50	55	E	2	C	30.38	-.20	54	52	+ 4	ESE	1	b	4	58	43	-	
	Loughborough	30.46	55	E	3	O	30.35	-.19	51	49	+ 1	W	0	bew	4	62	42	-	
GERMANY.	Ardrossan ...	30.45	55	W	0	b	30.37	-.21	49	45	+ 5	NE	1	b	1	61	42	-	
	Malin Head ...	30.38	53	SSE	3	b	30.34	-.18	50	47	+ 2	SSE	4	b	2	58	45	-	
	Mullaghmore	30.37	58	ESE	3	b	30.27	-.22	50	48	0	ESE	4	b	3	60	47	-	
	Belmullet ...	30.35	58	SE	2	b	30.24	-.22	51	49	0	SSE	2	b	4	63	45	-	
	Donaghadee ...	30.45	53	SSE	2	C	30.34	-.21	53	52	- 1	E	5	C	3	57	52	-	
	Barrow-in-Furness	30.45	54	NE	2	b	30.35	-.21	51	49	+ 5	NE	3	C	4	55	46	-	
	Liverpool (Biston)	30.44	54	ESE	2	b	30.33	-.22	53	50	+ 3	E	4	b	3	58	50	-	
	Holyhead ...	30.41	54	ESE	1	b	30.31	-.21	52	50	+ 2	E	2	b	2	58	46	-	
	Parsonstown ...	30.37	56	SE	1	b	30.24	-.22	53	50	+ 1	SSE	1	b	4	61	38	-	
	Valencia ...	30.27	60	ESE	2	b	30.14	-.23	58	56	+ 1	E	4	O	3	64	52	0.02	
FRANCE & NETHERLANDS.	Roche's Point...	30.30	57	ESE	5	b	30.15	-.19	58	55	+ 2	ESE	5	O	4	60	50	-	
	Pembroke ...	30.33	57	E	4	b	30.22	-.21	54	51	+ 2	E	4	b	2	59	50	-	
	Scilly ...																	-	
	Prawle Point ...	30.29	57	ESE	7	b	30.20	-.15	58	56	+ 3	ESE	5	O	5	61	54	-	
	Jersey ...	30.24	60	ESE	6	b	30.17	-.10	61	57	+ 2	ESE	4	b	3	62	56	-	
	Hurst Castle ...	30.35	59	E	5	b	30.26	-.15	56	53	0	ESE	4	b	2	63	47	-	
	Dungeness ...	30.36	50	E	6	b	30.27	-.13	58	57	+ 2	SE	4	b	3	62	54	-	
	London ...	30.45	55	ESE	4	b	30.30	-.16	55	50	+ 1	E	1	b	4	63	40	-	
	Oxford ...	30.42	52	E	1	C	30.32	-.17	49	47	- 2	NE	1	b	4	60	42	-	
	Cambridge ...	30.43	55	NE	1	O	30.34	-.15	53	49	- 3	ESE	1	b	4	61	44	-	
PENIN- SULA.	Yarmouth ...	30.44	58	E	5	b	30.33	-.17	59	53	+ 2	E	5	b	5	62	55	-	
	Cuxhaven ...	30.54	58	NNE	2	b	30.48	-.07	49	48	- 7	SSE	1	b	4	58	48	-	
	Berlin ...	30.50	54	NE	3	b	30.47	-.02	49	44	- 2	E	1	b	4	61	43	-	
	Wiesbaden ...	?	?	?	?	?	30.36	-.08	52	45	- 5	NE	4	b	4	66	48	-	
	Munich ...	30.41	50	E	3	O	30.31	-.05	45	42	- 8	E	5	O	4	?	37	0.35	
	The Helder ...	30.47	58	E	3	b	30.38	-.12	56	50	0	E	1	b	2	63	54	-	
	Brussels ...	?	?	?	?	?	30.28	-.18	46	44	- 4	ESE	3	b	4	64	39	-	
	Cape Gris Nez...																-		
	Paris ...	30.27	65	NE	3	C	30.21	-.11	49	45	- 8	NNE	3	b	4	60	46	-	
	Brest ...	30.15	65	ESE	4	O	30.12	-.06	61	60	+ 3	SE	4	O	4	73	57	-	
FRANCE & NETHERLANDS.	Lorient ...	30.19	67	ESE	5	O	30.16	-.03	59	58	- 1	ESE	4	b	2	75	54	-	
	Rochefort ...	30.21	73	NW	4	C	30.13	-.14	63	63	- 6	ESE	4	O	1	90	59	-	
	Belfort ...	30.23	62	E	3	C	30.19	-.11	53	51	- 7	ESE	4	C	2	66	50	-	
	Lyons ...	30.15	70	NW	3	C	30.17	-.05	55	54	- 4	E	3	m	1	80	54	-	
	Nice ...	30.12	70	SW	1	C	30.12	-.01	66	61	- 6	ESE	3	b	1	82	64	-	
	Perpignan ...	30.12	72	W	0	b	30.09	-.09	66	65	+ 1	NE	3	O	1	84	63	-	
	Biarritz ...	30.12	71	W	5	b	30.08	-.12	68	66	+ 1	W	5	ESE	3	77	66	0.20	
	Corunna ...																-		
	Lisbon ...	30.18	70	W	5	b	30.23	+ .06	66	65	0	W	9	N	2	77	65	-	

For Explanation of Columns, see p. 4.

# WEATHER CHARTS

for 8 a.m. on Friday, 17<sup>th</sup> September 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.

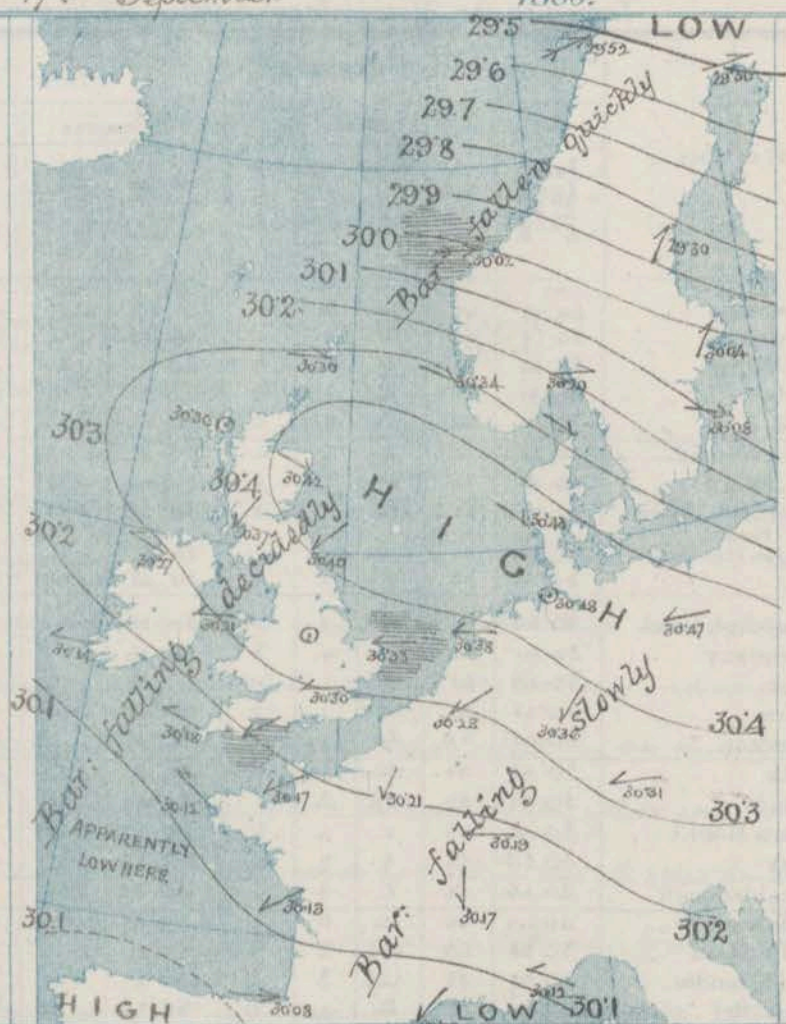
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.758
Stornoway	29.781
Wick	29.786
Nairn	29.812
Aberdeen	29.815
Leith	29.851
Shields	29.876
York	29.913
Ardrossan	29.858
Donaghadee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roche's Point	29.923
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.956
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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.

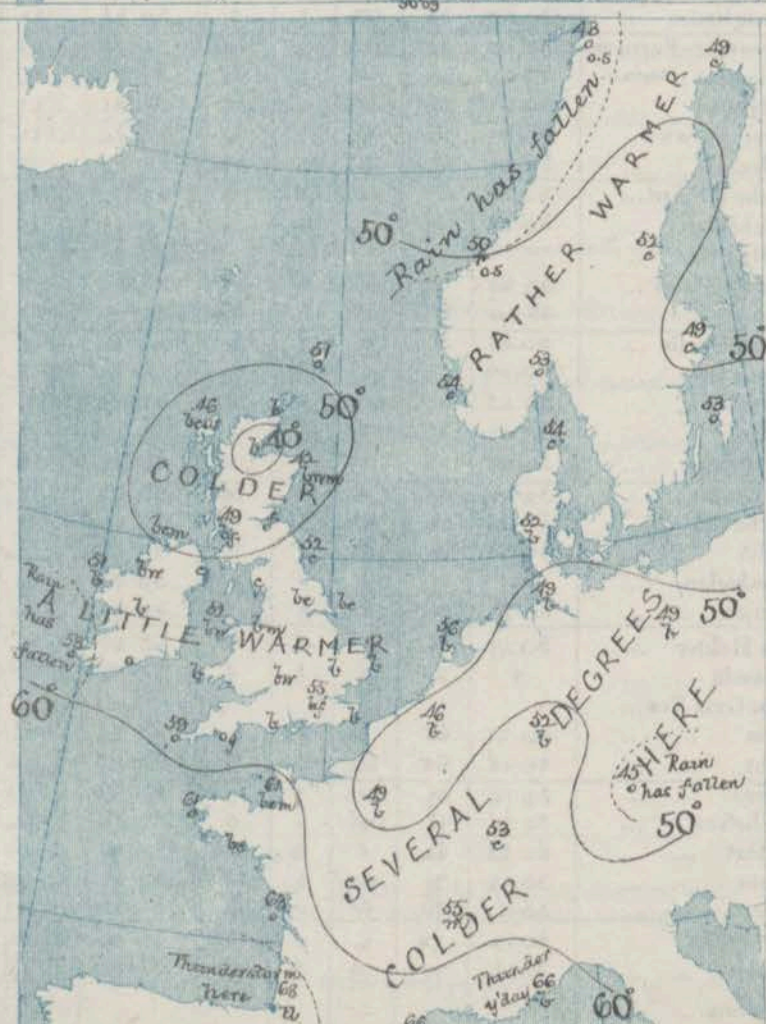
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	
Sumburgh Head	55.2	46.2	50.8	49.0	3.48
Stornoway	55.9	45.4	51.0	49.7	4.13
Wick	57.5	45.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.78
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.5	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	66.9	49.3	56.4	54.0	2.50
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

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, { 30.47 ins: at Berlin, 30.48 ins: at Cuxhaven, and 30.42 ins: at Aberdeen. 30.23 ins: at Lisbon. Lowest, 29.5 ins: at Bodø and Haparanda, 30.1 ins: at Brest, and rather below 30.1 ins: at Perpignan and Biarritz. Gradients, slight in south, moderately steep in north. Barometer falling generally.
TEMPERATURE	Highest, 66° to 68° in south of France, 61° at Brest, 54° at Skudersnaes. Lowest, 39° at Aïun, 40° at Seith, 48° at Oxford, 45° to 49° over Germany. The thermometers rose decidedly in Ireland and Scotland yesterday, but fell again in night. Frost occurred on grass in London early this morning.
WIND	Moderate E <sup>ly</sup> and NE <sup>ly</sup> in Ireland, England, France and Germany. W <sup>ly</sup> over Scandinavia and north of Scotland. Fresh gale at Bodø and Christianund. W <sup>ly</sup> in north of Spain also. The wind in the Channel has lulled during the night.
WEATHER	Dry and bright in most places, but dull in the southwest, with thunder at Biarritz. Dull in far north also, with rain at Christianund. Half an inch of rain has fallen at Bodø and Christianund, 0.4 in: at Munich, and 0.2 in: at Biarritz.
SEA	Still rather rough (but decreasing) in the Channel and on our south-east coasts, moderate in the northwest and east, smooth or nearly so on our other coasts. It is exceedingly high off the northwest coast of Norway.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

- (1) There is evidently a large depression over Lapland, moving apparently in a south-easterly direction, and as it passes off the wind will veer to the northwards over Scandinavia with cold weather.
- (2) In the south there are apparently two low pressure areas - one over the Atlantic and Bay of Biscay, separating the anticyclone over the North Sea from that over the Iberian Peninsula - the other over the Mediterranean. Neither of them appears to be very deep, and their movements are not well marked at present.
- (3) These low pressure systems do not seem likely to cause a break in the weather over the British Islands at once, but the presence of a second high pressure to the southward of that now prevailing in the east is very liable to produce thunder, wet and unsettled weather over the Bay of Biscay, which may advance to our southern and south-western coasts subsequently.

## FORECASTS

For the 24 hours ending at NOON on 18<sup>th</sup> SEPT<sup>r</sup> 1886.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SW <sup>ly</sup> winds, moderate to fresh; some rain at times.	6 { SCOTLAND WEST	Very light breezes; fine, dry.
1 { SCOTLAND EAST	SE <sup>ly</sup> and S <sup>ly</sup> breezes, light; fine.	7 { ENGLAND N. W.	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----
2 { ENGLAND N. E.	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----	8 { ENGLAND S. W.	SE <sup>ly</sup> winds, fresh to moderate; cloudy, fair as a whole.
3 { ENGLAND EAST	Same as No 5	9 { IRELAND NORTH	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----
4 { MIDLAND COUNTIES	Same as No 2	10 { IRELAND SOUTH	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----
5 { ENGLAND SOUTH	E <sup>ly</sup> winds, moderate, fine, dry, cold at night.	WARNINGS	NONE ISSUED.

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	30.52	52	48	WNW	2	c	3	Holyhead ...	30.47	55	50	NNW	1	b	2
Sumburgh Head ...	30.38	54	52	WSW	3	c	3	Valencia ...	30.36	63	59	E	4	bm	4
Stornoway ...	30.44	55	51	SSW	5	bc	5	Scilly ...							
Aberdeen ...	30.51	56	50	S	4	b	1	Dungeness ...	30.38	61	55	E	6	bc	4
Shields ...	30.54	54	48	ESE	3	c	4	London ...	30.45	60	52	E	3	c	4
Ardrossan ...	30.51	59	51	Z	0	b	0	Yarmouth ...	30.48	58	54	ENE	5	bcv	4
Malin Head ...	30.42	57	54	SSE	8	b	1	Jersey ...	30.26	62	57	E	5	b	5
Mullaghmore ...	30.42	58	51	SE	4	b	2	Rochefort ...							
Belmullet ...	30.39	60	55	SE	1	b	+								

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

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

The reports for yesterday showed that a well-formed anticyclone covered the British Islands, North Sea and Denmark, whence readings decreased generally, but more to the northward and eastward than in any other direction. Thus, while strong NW<sup>2</sup> winds were felt over Northern Europe and the Baltic, NE<sup>2</sup> and E<sup>2</sup> winds prevailed over France, England, and the Channel, SE<sup>2</sup> in Ireland, and SW<sup>2</sup> in Scotland and the west of Norway. Temperature had fallen very generally except over the southern countries. The 8 am. readings were still as high as 70° to 75° on the northern shores of the Mediterranean and Adriatic, whence they decreased in a northerly direction to rather below 40° over Finland. Over Central and South-eastern Europe, however, as well as in some parts of France and the north-east of the British Isles, local areas of cold appeared, the reading being below 50° at Hague and Humberstadt, as well as over a large part of North Germany, while in the south-east of Scotland the reading was below 40°. The highest individual readings were 77° at Biskra, Algiers, Brindisi and Barcelona, and 75° at Desima and Caste, the lowest 39° at Kuopio and Leith, 44° at Haparanda, Bodö, and several of the Scotch stations.

During the day the anticyclone moved SE<sup>wd</sup>, and for a time the thermometer rose somewhat in the west and north of the British Isles. The succeeding night, however, was very cold — frost occurring in several parts of Great Britain. In the south of France the maximum readings varied from 80° to 90°, but at the German stations the highest values recorded were 60° to 66°.

### 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 18<sup>th</sup> September 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.	Max.	Min.	Amount of Rainfall.
			Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)						
SCANDINAVIA.	Haparanda ..	29.54	38	NW	2	c	29.81	+ .31	40	38	- 9	NNE	6	h	8	54	38	-
	Hernösand ...	29.64	46	NW	6	b	30.03	+ .23	45	39	- 7	NW	6	b	8	59	43	-
	Stockholm ...	29.93	51	N	4	b	30.04	+ .00	46	41	- 3	N	6	b	8	57	41	-
	Wisby ...	29.93	58	NW	6	b	29.99	- .09	50	45	- 3	N	6	b	8	59	46	-
	Bodö ...	29.86	44	NW	6	o	30.10	+ .58	40	39	- 3	NW	4	o	2	45	39	0.20
	Christiansund...	30.23	46	N	4	o	30.34	+ .32	46	43	- 4	NW	4	b	8	57	41	0.08
	Skudesnaes ...	30.29	53	NW	4	c	30.28	- .06	49	45	- 5	NW	4	b	8	57	37	-
	Christiania Fjord (Fjorder)	30.11	58	N	2	b	30.27	+ .07	51	45	- 2	NNE	2	b	1	57	50	-
	Skagen (The Scaw)	30.09	56	NW	4	b	30.21	+ .00	53	46	- 1	E	3	b	2	57	52	-
	Faßö ...	30.27	70	NW	2	b	30.28	- .15	55	52	+ 3	NW	1	c	8	59	48	-
BRITISH ISLANDS.	Sumburgh Head	30.33	52	NW	1	c	30.34	+ .04	49	48	- 2	E	0	o	0	55	47	-
	Stornoway ...	30.30	52	NE	2	b	30.25	- .11	46	45	0	E	0	b	0	59	42	-
	Wick ...	30.35	47	SE	1	b	30.30	- .09	53	48	+ 6	S	3	b	0	59	43	-
	Nairn ...	30.33	50	E	0	b	30.30	- .10	41	41	+ 2	E	0	f	1	58	31	-
	Aberdeen ...	30.35	51	S	1	b	30.32	- .10	49	47	+ 7	E	0	c	0	58	37	-
	Leith ...	30.32	54	E	1	c	30.29	- .12	51	50	+ 11	SSW	1	c	8	59	38	-
	Shields ...	30.32	54	E	2	b	30.28	- .12	56	52	+ 4	E	2	b	3	57	51	-
	Spurn Head ...	30.28	57	ESE	4	b	30.23	- .14	57	55	0	ESE	5	b	5	60	54	-
	York ...	30.31	57	E	1	b	30.27	- .11	53	52	- 1	NE	1	c	8	62	45	-
	Loughborough	30.25	57	ESE	2	b	30.22	- .13	51	50	0	ESE	1	b	8	64	40	-
GERMANY.	Androssau ...	30.27	54	ESE	1	b	30.25	- .12	51	48	+ 2	ESE	2	b	1	61	48	-
	Main Head ...	30.18	56	ESE	4	b	30.13	- .16	52	51	+ 2	SSW	4	b	3	57	50	-
	Mullaghmore ...	30.16	57	ESE	5	c	30.11	- .16	54	52	+ 4	ESE	5	b	3	62	50	-
	Belmullet ...	30.11	60	ESE	3	c	30.07	- .17	55	52	+ 4	ESE	2	b	8	64	51	-
	Donaghadee ...	30.24	56	ESE	5	b	30.22	- .12	55	50	+ 2	SSW	3	b	1	59	53	-
	Barrow-in-Furness	30.25	56	NE	3	b	30.23	- .12	50	49	- 1	NE	1	b	8	61	47	-
	Liverpool (Bidston)	30.23	58	E	3	b	30.21	- .12	52	50	- 1	E	2	o	3	62	46	-
	Holyhead ...	30.21	57	ESE	2	b	30.19	- .12	53	51	+ 1	ESE	2	b	1	62	47	-
	Parsonstown ...	30.15	60	SE	1	o	30.10	- .14	58	52	+ 5	SE	1	b	8	66	51	-
	Valencia ...	30.05	60	ESE	4	o	29.98	- .16	60	57	+ 2	E	4	o	4	62	57	-
FRANCE & NETHERLANDS.	Roche's Point...	30.10	58	ESE	5	o	30.05	- .10	59	56	+ 1	ESE	5	b	4	61	55	-
	Pembroke ...	30.16	59	SE	3	b	30.12	- .10	52	50	- 2	ESE	3	b	2	62	50	-
	Scilly ...																	
	Prawle Point ...	30.15	58	ESE	5	b	30.09	- .11	60	57	+ 2	ESE	4	b	4	63	54	-
	Jersey ...	30.10	60	E	4	b	30.07	- .10	61	59	0	E	2	b	2	65	55	-
	Hurst Castle ...	30.17	60	ESE	2	b	30.13	- .13	51	51	- 5	NE	2	m	1	66	48	-
	Dungeness ...	30.14	60	E	4	b	30.13	- .14	60	55	+ 2	E	4	b	4	64	57	-
	London ...	30.21	58	E	3	b	30.16	- .14	48	47	- 7	E	0	f	8	69	40	-
	Oxford ...	30.23	51	E	1	b	30.17	- .15	50	48	+ 1	NE	1	b	8	66	43	-
	Cambridge ...	30.24	56	ESE	1	b	30.19	- .15	55	53	+ 2	ESE	1	b	8	67	41	-
PENINSULA.	Yarmouth ...	30.25	60	E	4	b	30.19	- .14	59	55	0	E	6	b	5	62	57	-
	Cuxhaven ...	30.38	53	NNE	1	o	30.28	- .20	52	51	+ 3	SSW	1	o	8	59	37	-
	Berlin ...	30.27	57	E	0	b	30.23	- .24	51	47	+ 2	NW	1	b	8	63	46	-
	Wiesbaden ...	30.27	57	E	0	b	30.18	- .18	53	47	+ 1	E	0	b	8	66	48	-
	Munich ...	30.23	47	E	1	b	30.19	- .12	48	48	+ 3	E	0	m	8	59	39	-
	The Helder ...						30.14	- .14	44	42	- 2	ESE	3	b	8	64	39	-
	Brussels ...						30.12	- .12	49	48	0	ESE	4	b	2	64	46	-
	Cape Gris Nez...	30.13	59	ESE	4	b	30.09	- .12	49	48	0	NE	1	m	8	69	46	-
	Paris ...	30.11	60	NNE	1	b	30.09	- .12	49	48	0	NE	1	m	8	69	46	-
	Brest ...	30.06	60	NE	3	o	30.05	- .07	61	59	0	ESE	3	o	4	72	59	-

# WEATHER CHARTS

for 8 a.m. on Saturday, 18<sup>th</sup> September, 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.

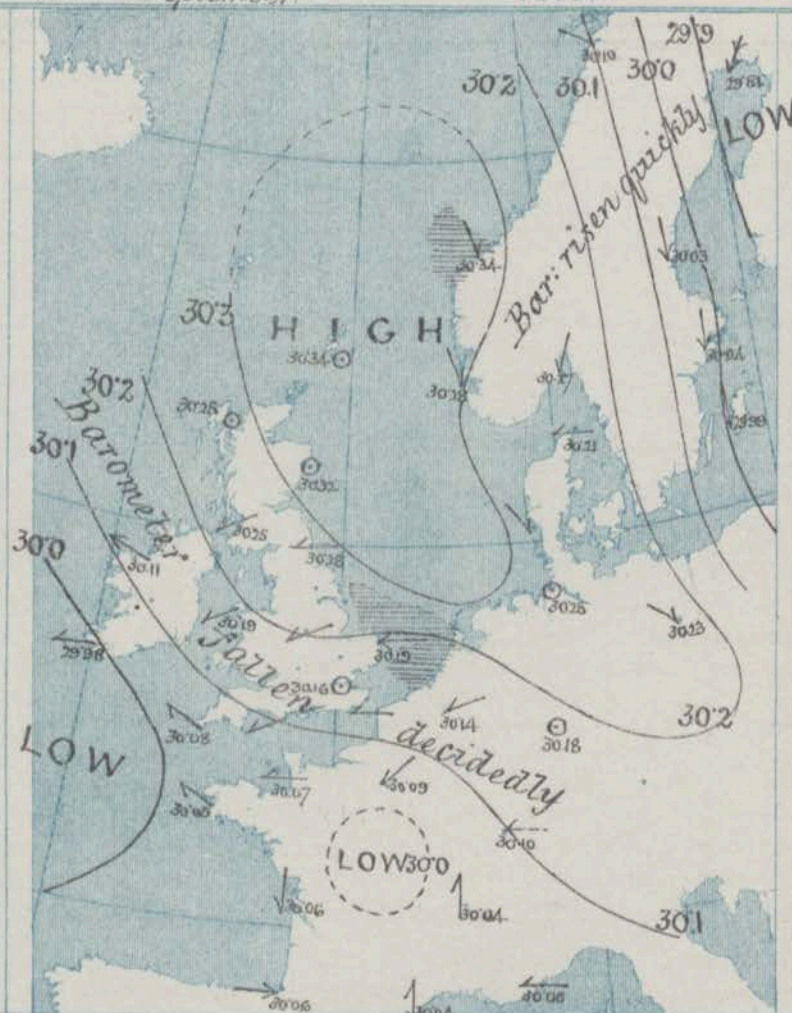
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.758
Stornoway	29.781
Wick	29.786
Nairn	29.812
Aberdeen	29.815
Leith	29.851
Shields	29.876
York	29.913
Ardrossan	29.858
Donaghadee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roche's Point	29.923
Pembroke	29.924
Silly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.956
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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.

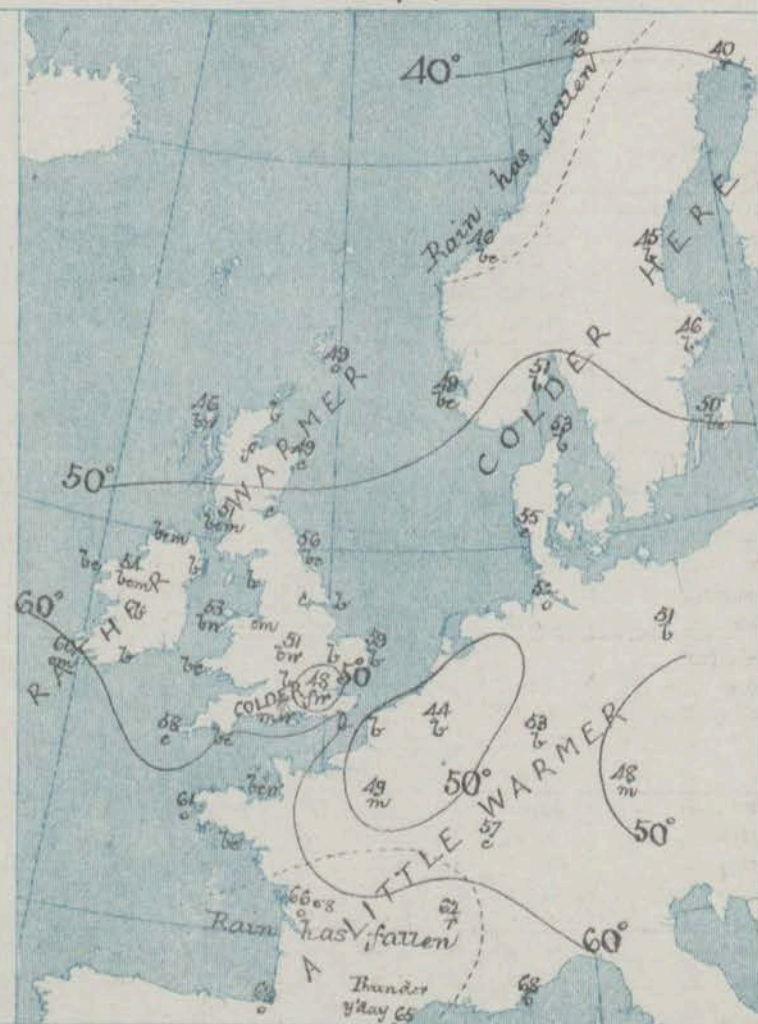
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet	
Sumburgh Head	55.2	46.2	50.6	49.0	3.46
Stornoway	55.9	45.4	51.0	49.7	4.13
Wick	57.5	46.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.73
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Silly	61.9	55.2	58.5	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	66.9	49.3	56.4	54.0	2.59
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

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: over Portugal and Spain. Lowest, 30.0 in: and less off our southwest coasts and over France, and 29.8 in: and less over Finland. Gradients are moderate to slight. Barometer is falling over France and British Isles, rising fast over Scandinavia.
TEMPERATURE	Highest, 69° at Biarritz, 68° at Nice, 60° at Valencia. Lowest, 48° in London and at Munich, 41° at Kain, 40° at Haparanda and Bodö. Sharp frost has occurred in Scotland during the night. Local irregularities are numerous.
WIND	N <sup>W</sup> , strong in Sweden, W <sup>W</sup> , moderate in Norway. Moderate E <sup>N</sup> over England, (but strong at Yarmouth), SE <sup>N</sup> in Ireland, W <sup>N</sup> over Spain. Over France there is a complete cyclonic circulation.
WEATHER	Rainy in Finland, fine and bright over Sweden and Norway generally. Fine and dry over British Isles, with fog locally. Dull, with rain in places over Southern Europe - where thunderstorm occurred last night.
SEA	Rather rough in the east, moderate in the Channel, smooth or nearly so elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

- (1.) The depression over the northern part of Scandinavia having passed off, the anticyclone over the North Sea has spread northwards up the Norwegian coast, and the weather has become fine but cold at the Scandinavian stations.
  - (2.) Over the British Isles the fall of the barometer has been so uniform and general that the gradients have not been materially altered; the winds and weather there are consequently little changed.
  - (3.) The low pressure area off our southwest coasts appears to be drawing nearer to the south of Ireland than it was yesterday, while a well formed, but shallow depression has appeared over France, with unsettled weather.
- There do not threaten to break up the weather over our Islands immediately, but will probably do so ultimately.

## FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SE <sup>N</sup> and S <sup>N</sup> breezes, moderate; fair.	6 { SCOTLAND WEST	Same as No 0
1 { SCOTLAND EAST	.....D <sup>o</sup> .....D <sup>o</sup> .....D <sup>o</sup> .....	7 { ENGLAND N. W.	Same as No 0
2 { ENGLAND N. E.	.....D <sup>o</sup> .....D <sup>o</sup> .....D <sup>o</sup> .....	8 { ENGLAND S. W.	Same as No 5.
3 { ENGLAND EAST	Same as No 5	9 { IRELAND NORTH	SE <sup>N</sup> winds, fresh; fair.
4 { MIDLAND COUNTIES	SE <sup>N</sup> and E <sup>N</sup> breezes, moderate; fine.	10 { IRELAND SOUTH	.....D <sup>o</sup> .....D <sup>o</sup> .....D <sup>o</sup> .....
5 { ENGLAND SOUTH	E <sup>N</sup> winds, fresh; fine to cloudy. Cold.	WARNINGS	None issued

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skadesnaes ...	30.30	57	52	W 6	0	3	Holyhead ...	30.25	60	56	W 1	6	1
Sumburgh Head ...	30.33	54	51	W 2	c	3	Valencia ...	30.08	61	59	E 4	0	4
Stornoway ...	30.34	58	53	SE 2	b	2	Scilly ...						
Aberdeen ...	30.37	55	49	E 2	b	1	Dungeness ...	30.19	64	58	E 4	6	4
Shields ...	30.37	53	53	E 2	0	3	London ...	30.24	65	64	NE 3	6	4
Ardrossan ...	30.32	58	52	ESE 3	0	2	Yarmouth ...	30.29	61	55	E 5	6	5
Malin Head ...	30.21	56	53	E 4	c	3	Jersey ...	30.14	65	55	ENE 4	6	3
Mallaghmore ...	30.20	61	54	ESE 5	b	4	Rocheport ...	30.10	80	70	Z 0	bc	2
Belmullet ...	30.17	62	55	SE 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)

Yesterday morning's reports showed that a large anticyclonic band, in which the maximum reading varied from 30.3 in. to 30.5 in. lay over Scotland, the North Sea, Germany, and the west of Russia. To the northward of this band pressure decreased to 29.5 in. over Northern Europe (where there was a large depression moving in a southerly direction), while to the southward it decreased to rather below 30.1 in. over the Bay of Biscay and the Mediterranean. Thus, while W<sup>1</sup> winds of considerable strength prevailed over Northern Europe, accompanied by dull and rather showery weather, E<sup>2</sup> and variable winds were felt in the west and south, with cold, dry, fine weather. Over the Bay of Biscay, Spain, and the south of France some complications appeared, owing to the presence of a second high pressure area over the Peninsula, the weather there becoming dull and showery with thunderstorms locally. Temperature varied from 66° to 72° over the northern shores of the Mediterranean (though even there it was falling) to considerably below 40° over Central Russia, and to rather below 40° over Central Scotland, while over Scandinavia it was as high as 49° to 54°. The highest individual readings were 73° at Brindisi and Malta, 72° at Lerma; the lowest 37° at Moscow, St. Petersburg and Riga, 39° at Akm., and 40° at Leith. The local variations in temperature were very considerable.

During the day the depression in the far north moved eastwards, and the wind there veered, with falling temperature. Over the British Isles the weather remained fine and the thermometer rose to between 67° and 69° over England. In the south of France the thermometer rose to between 73° and 81°, but the weather was unsettled, and thunderstorms again occurred in places.

EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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# DAILY WEATHER REPORT.

for Sunday 19<sup>th</sup> SEPT.

1886.

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

Issued by the Meteorological Office, 10, 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.		
		Inch.	°				Inch.	Inch.	°	°	°					°	°	Inch.	
SCANDINAVIA.																			
Haparanda ..		30.15	35	N	2	b	30.26	+ .14	37	35	- 3	N	4	b		48	34	-	
Hernösand ...		30.27	45	Z	0	b	30.38	+ .35	40	36	- 5	Z	0	b		56	?	-	
Stockholm ...		30.21	44	NNW	4	b	30.31	+ .27	44	41	- 2	NE	2	b		52	44	-	
Wisby ...		30.15	51	N	6	b	30.20	+ .21	50	44	0	NE	4	b		55	50	-	
Bodö ...		30.28	43	E	2	c	30.25	+ .15	41	40	+ 1	ESE	2	o		48	39	0.04	
Christiansund...		30.34	45	ENE	1	b	30.24	- .12	45	42	- 1	S	1	bc	2	48	37	-	
Skudesnaes ...		30.28	49	Z	0	bc	30.27	- .01	54	46	+ 5	SE	4	bc	3	61	48	-	
Christiania Fjord (Fjorder)		30.31	54	W	2	b	30.27	+ .07	48	43	- 3	NE	2	b	1	55	46	-	
Skagen (The Seaw)		30.27	53	NE	1	b	30.31	+ .10	55	49	+ 2	ESE	1	b	1	57	50	-	
Fanö ...		30.25	50	E	4	b	30.23	- .05	52	50	- 3	E	4	b		?	46	-	
Sumburgh Head		30.29	48	SE	1	bc	30.20	- .14	49	47	0	Z	0	bc	0	54	40	-	
Stornoway ...		30.20	54	Z	0	c	30.16	- .09	58	48	+ 4	Z	0	cm	0	58	44	-	
Wick ...		30.24	46	SE	4	bc	30.17	- .13	51	49	- 2	SE	2	c	0	58	48	0.06	
Nairn ...		30.21	55	Z	0	c	30.19	- .11	45	43	+ 4	Z	0	c	0	61	39	-	
Aberdeen...		30.27	51	SSE	2	o	30.19	- .13	50	48	+ 1	Z	0	cm	0	58	47	-	
Leith ...		30.25	55	SE	1	c	30.19	- .10	50	47	- 1	Z	0	bm	+	55	38	-	
Shields ...		30.23	53	ESE	2	o	30.17	- .11	53	51	- 3	N	1	o	3	56	51	-	
Spurn Head ...		30.19	56	ENE	4	bc	30.11	- .12	57	56	0	NE	4	bc	+	60	54	-	
York ...		30.23	55	E	1	b	30.15	- .12	53	50	0	N	1	o	+	61	47	-	
Loughborough		30.16	57	E	2	b	30.14	- .08	47	47	- 4	E	1	cm	+	68	42	-	
Ardrossan ...		30.18	55	ENE	3	bc	30.15	- .10	49	46	- 2	NE	2	cm	1	60	47	-	
Malin Head ...		30.10	50	SE	4	bc	30.13	- .05	53	50	+ 1	ESE	3	bc	3	61	51	-	
Mullaghmore .		30.07	58	ESE	4	bc	30.04	- .07	55	52	+ 1	E	4	bw	2	63	50	-	
Belmullet ...		30.03	61	SE	3	b	30.01	- .06	56	53	+ 1	E	1	c	+	65	52	-	
Donaghadee ...		30.15	56	E	5	bc	30.13	- .09	54	53	- 1	SSE	2	c	0	59	53	-	
Barrow-in-Furness		30.17	56	NE	3	b	30.16	- .07	52	48	+ 2	NE	2	b	2	61	48	-	
Liverpool (Bidston)		30.13	56	E	4	b	30.14	- .07	52	49	0	E	1	o	2	64	48	-	
Holyhead ...		30.11	59	ESE	1	c	30.10	- .09	50	49	- 3	Z	0	bc	0	63	48	-	
Parsonstown ...		30.06	60	SE	2	b	30.03	- .07	57	54	- 1	SE	1	c	+	65	47	-	
Valencia ...		29.95	60	ESE	6	c	29.95	- .03	61	60	+ 1	SSE	2	o	3	64	59	0.04	
Roche's Point...		30.10	58	ESE	5	o	29.97	- .08	59	59	0	SE	4	rm	4	62	56	0.18	
Pembroke ...		30.06	60	ESE	4	bc	30.07	- .05	54	53	+ 2	ESE	4	c	3	61	51	-	
Seilly ...																			
Prawle Point ...		30.07	59	ENE	3	b	30.06	- .03	55	54	- 5	NE	3	cp	3	65	54	-	
Jersey ...		30.04	62	ENE	2	bc	30.03	- .04	60	58	- 1	NE	2	brim	2	68	55	-	
Hurst Castle ...		30.08	61	ESE	2	b	30.06	- .07	51	51	0	NE	2	fw	1	67	48	0.01	
Dungeness ...		30.09	63	ESE	4	b	30.07	- .06	53	52	- 7	NNE	2	m	2	65	46	-	
London ...		30.11	58	SE	2	bc	30.08	- .08	54	52	+ 6	NE	1	bm	+	70	42	-	
Oxford ...		30.12	53	Z	0	b	30.11	- .06	50	48	0	NE	2	brim	+	67	45	-	
Cambridge ...		30.14	55	E	1	b	30.09	- .10	55	54	0	N	1	c	0	68	42	-	
Yarmouth ...		30.16	59	E	4	bc	30.06	- .13	60	57	+ 1	NE	4	b	4	62	57	-	
Cuxhaven ...		30.24	64	Z	0	b	30.23	- .05	55	51	+ 3	SE	3	b	+	61	?	-	
Berlin ...		30.19	58	NNW	1	b	30.24	+ .01	51	46	0	E	3	b	+	63	46	-	
Wiesbaden ...		30.12	53	E	2	b	30.10	- .08	54	48	+ 1	Z	0	b	+	68	45	-	
Munich ...		30.14	50	E	1	b	30.12	- .07	48	47	0	SE	3	m	+	59	41	-	
The Helder ...		30.17	59	ENE	2	b	30.08	- .12	54	51		E	1	b	2	61	54	-	
Brussels ...							30.02	- .12	55	51	+ 11	Z	0	b	+	68	?	-	
Cape Gris Nez...		30.06	61	E	5	b	30.01	- .11	59	48	+ 10	NE	1	b	0	66	46	-	
Paris ...		30.03	63	NNE	1	b	30.03	- .06	52	50	+ 3	NW	1	bc	+	73	48	-	
Brest ...		30.02	66	ESE	3	o	30.01	- .04	63	62	+ 2	Z	0	m	4	72	59	-	
Lorient ...		30.04	67	NNW	3	bc	30.04	- .03	60	59	0	?	1	bc	1	77	54	-	
Rochefort ...		30.06	69	NNW	5	o	30.05	- .01	66	65	0	NNW	5	c	2	77	59	0.04	
Belfort ...																			
Lyons ...		30.02	66	SE	1	r	30.03	- .01	61	60	- 1	SE	1	o	+	78	59	0.47	
Nice ...		30.06	68	E	4	t	30.04	- .01	61	58	- 7	E	4	o	2	75	57	0.20	
Perpignan ...		30.03	65	NE	1	r	30.04	- .00	63	62	- 2	NE	1	o	+	78	60	0.28	
Biarritz ...		30.06	69	W	5	c	30.04	- .02	66	64	- 3	SW	5	o	3	72	64	1.05	
Corunna ...							30.06	- .04	61	60	- 4	W	1	b	2	72	55	0.20	
Lisbon ...		30.13	69	W	5	c	30.07	- .11	65	64	- 1	Z	0	r	2	73	63	0.12	
PENINSULA.																			

For Explanation of Columns, see p. 4.

# WEATHER CHARTS

for 8 a.m. on Sunday 19<sup>th</sup> September 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.

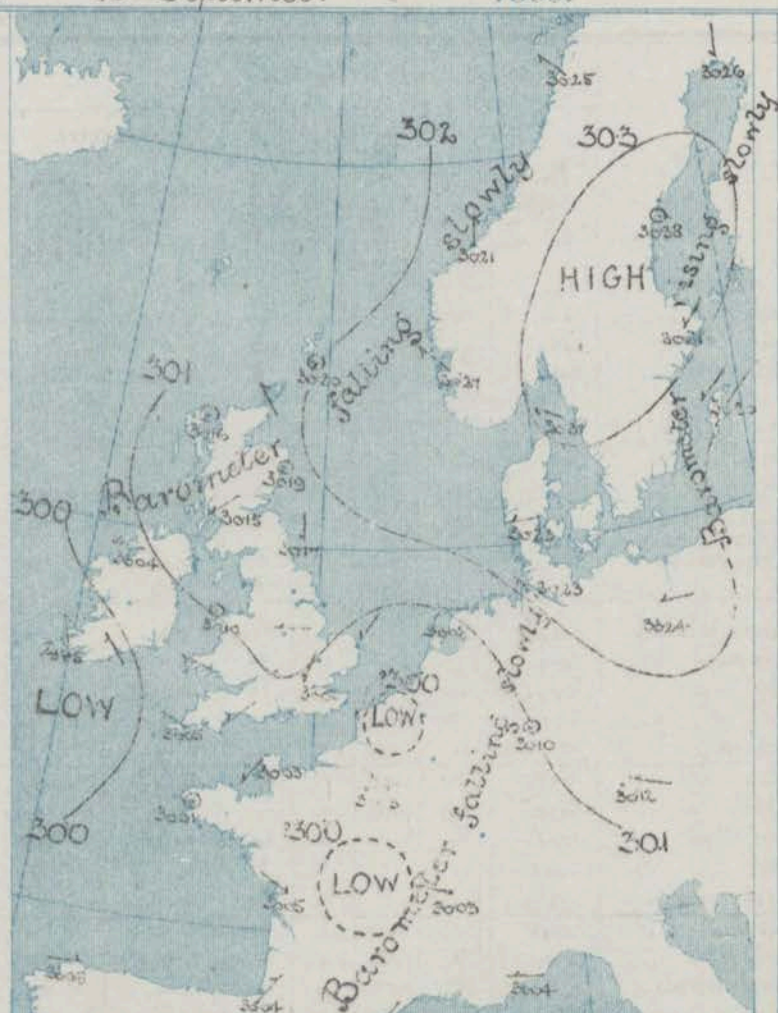
**Sea Disturbance** — where considerable is shown thus

■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.758
Stornoway	29.781
Wick	29.786
Nairn	29.812
Aberdeen	29.815
Leith	29.851
Shields	29.876
York	29.913
Ardrossan	29.858
Donaghadee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roche's Point	29.923
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.956
Oxford	29.948
Cambridge	29.943
Yarmouth	29.928



## 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.

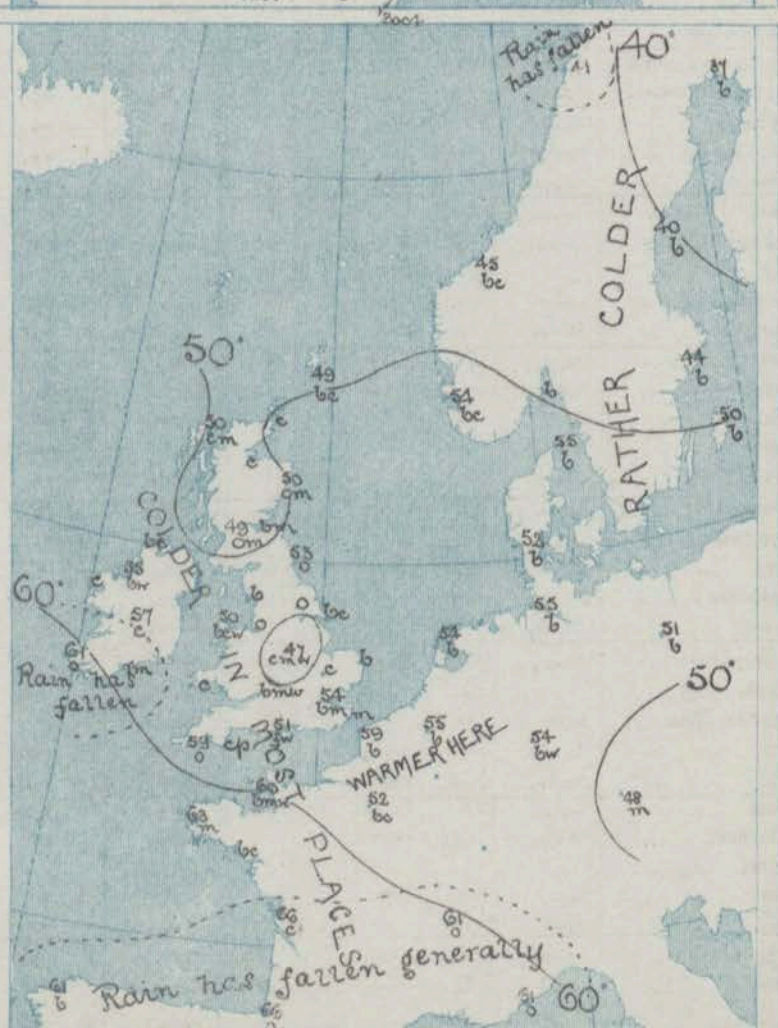
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Low.	Wet.	
Sumburgh Head	55.2	46.2	50.6	49.0	3.46
Stornoway.	55.9	45.4	51.0	49.7	4.13
Wick	57.5	45.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.78
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	52.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	55.4	53.9	4.87
Roche's Point.	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.5	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	66.9	49.3	56.4	54.0	2.59
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

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



# GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.3 ins. and upwards in an anticyclone lying over Sweden.          Lowest, 30.0 ins. and less in the south of Ireland.          Small areas of relatively low pressure lying over France.</p>
TEMPERATURE	<p>Highest, 66° at Rochefort and Biarritz, 65° at Loston, and 63° at Perpignan.          Lowest, 37° at Haparanda, 41° at Bodo, 45° at Naïm and 47° at Loughborough.</p>
WIND	<p>E<sup>3</sup> and SE<sup>3</sup> on our western coast and also on the eastern shores of the North Sea.          NE<sup>3</sup> on our eastern and southern coasts; Variable in France.          Light or moderate in force generally.</p>
WEATHER	<p>Fair generally, but rainy at Rochefort, and misty at several of our central and southern stations.</p>
SEA	<p>Moderate to smooth.</p>

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone noticed yesterday over the North Sea has moved eastwards to Sweden, and the barometer is now falling at all but the Scandinavian stations. Shallow depressions <sup>however</sup>, however, appeared over France, and a gradual change to less settled weather has apparently commenced.

## FORECASTS

For the 24 hours ending at NOON on 20<sup>th</sup> Sept 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.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	30.28	62	51	E.N.E. 1	c	3	Holyhead ...	30.14	62	55	E 1	b	1
Sumburgh Head	30.32	52	50	SE 1	c	1	Valencia ...	29.97	62	59	E 6	og	6
Stornoway ...	30.22	57	53	SSE 3	b	3	Scilly ...	...	...	...	...	...	...
Aberdeen ...	30.30	54	49	SSE 2	b	0	Dungeness ...	30.11	65	59	ESE 5	b	4
Shields ...	30.27	55	51	E 2	o	3	London ...	30.12	66	54	SE 3	b	4
Ardrossan ...	30.21	59	53	ESE 4	o	2	Yarmouth ...	30.19	61	56	E 5	o	5
Malin Head ...	30.11	60	56	SSE 3	b	3	Jersey ...	30.08	68	59	E.N.E. 2	b	2
Mullaghmore ...	30.10	61	55	ESE 5	cm	3	Rocheport ...	30.08	69	66	W.N.W. 4	o	2
Belmullet ...	30.08	65	58	ESE 1	b	*							

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

The reports for yesterday showed that pressure was highest off the west of Norway, but that a broad band of high readings extended thence across the North Sea and Germany to south-east Europe. To the north-eastward of this band (i.e. over Russia) there lay a large depression, while to the south-westward of it (i.e. over the British Islands, the Bay of Biscay and France) pressure was very irregularly distributed, several shallow local disturbances being observed. Thus, while very variable winds and weather were experienced in the latter region, with thunderstorms and rain over the south-western part of France, strong N.W. winds and rain were reported over the Baltic and North-western Russia. Within the limits of the high-pressure band, however, the weather was fine and bright. Temperature had continued to fall over Northern and Central Europe, but had not changed so much in the south; the 8 a.m. readings varied from between 60° and 63° on the northern shores of the Mediterranean and Adriatic to rather below 40° over Russia, Finland and Lapland. The distribution between these regions was, however, by no means uniform, the readings over England, the North Sea and the southern shores of the Baltic, being several degrees higher than those recorded over Austria, Central and Southern Germany and Central France. In fact the winter type of distribution (viz. cold inland as compared with the coast stations) was beginning to be strongly marked. The highest individual readings were 77° at Brindisi 75° at several of the Algerian stations, 73° at Cagliari, 68° at Nice and 66° at Savona; the lowest 38° at Aleatory, 39° at Bodo and Moscow, 40° at Kuopio and 42° at Carcow and Hermanstadt.

During the day the thermometer rose to between 75° and 82° in the south of France and to between 65° and 70° over England. The weather in France, however, remained showery and unsettled and thunderstorms again occurred over the southern departments at night. In England the weather was very fine and the night cold.

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

FROM THE 12<sup>TH</sup> TO THE 18<sup>TH</sup> SEPTEMBER 1886.

The week opened with pressure highest over the Central and Eastern Europe and lowest off the north of Scotland and west of Norway. The barometer was rising except over Scandinavia, and S.W. to W. winds were prevalent, with fine, warm weather in the south and east, but showers in the west and north. In the course of the night of the 12<sup>th</sup> a shallow depression was developed over the south of Ireland, where a great deal of rain fell and a complete cyclonic circulation of wind was established. This depression moved quickly to the north-eastwards, and as it did so a new cyclonic system advanced over our western and northern coasts from the Atlantic, its N.W. winds bringing about a great reduction of temperature over England. The anticyclone then moved south-eastwards and near its centre the temperatures were very low. On the 16<sup>th</sup> a minimum of 35° was recorded at Scilly and on the following day the minimum in the south of London was 40° in the shade and 30° on the grass, while at Kew and Walton-on-Thames the readings were still lower. Shallow depressions now appeared over France, where thunderstorms became of daily occurrence; over the British Islands, however, the weather remained fine, but cold, but in Scandinavia a good deal of rain fell and S.W. gales were reported as some large depressions moved eastwards over Lapland and Finland.

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

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

STATIONS.	+ YESTERDAY EVENING.						9 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer Reading at 32° F. and Sea Level.	Difference from 9 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 9 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ..	30.16	36	2	0	e	29.99	-.27	41	40	+4	S	4	h	4	48	30	-		
Hernösand ...	30.21	44	SEW	4	bc	29.92	-.46	41.	40	+1	2	0	c	4	55	32	-		
Stockholm ...	30.25	43	E	2	b	30.04	-.27	47	44	+3	S	2	bc	4	54	37	-		
Wishby ...	30.21	42	E	4	b	30.03	-.17	48	44	-2	SE	4	c	4	54	41	-		
Bodö ...	29.95	44	ESE	2	0	29.65	-.60	43	42	+2	SE	2	n	1	46	39	0.20		
Christiansund...	30.08	48	WSW	4	n	29.92	-.29	45	43	0	WNW	4	n	4	52	41	0.39		
Skudesuaes ...	30.15	55	S	6	b	29.98	-.29	53	48	-1	SE	4	0	4	51	?	-		
Christiania Fjord (Furder)	30.19	53	SW	2	bc	29.97	-.37	54	48	+6	WSW	4	0	2	55	?	-		
Skagen (The Scaw)	30.18	54	SE	1	bc	29.99	-.32	54	51	-1	SW	2	c	1	59	48	-		
Faßö ...	30.06	51	E	4	b	29.99	-.24	51	49	-1	SE	4	b	4	64	48	-		
BRITISH ISLANDS.																			
Sumburgh Head	30.14	50	2	0	0	30.06	-.14	48	47	-1	N	1	c	1	53	43	-		
Stornoway ...	30.13	52	NNE	2	b	30.07	-.09	49	48	-1	NE	3	avg	2	58	43	-		
Wick ...	30.12	51	S	1	0	30.07	-.10	50	49	-1	E	1	0	0	54	42	-		
Nairn ...	30.12	47	2	0	bc	30.08	-.11	44	44	-1	2	0	0	4	55	38	-		
Aberdeen...	30.12	53	SE	1	0	30.06	-.13	50	47	0	N	1	c	1	55	45	-		
Leith ...	30.11	53	SE	1	c	30.04	-.15	51	49	+1	SE	1	0	4	60	46	-		
Shields ...	30.09	54	NE	1	c	30.00	-.17	53	50	0	NNE	2	c	2	56	49	-		
Spurn Head ...	30.05	55	NNE	4	b	29.94	-.17	55	54	-2	N	5	bc	3	60	52	-		
York ...	30.02	56	NE	1	0	29.99	-.16	52	49	-1	N	1	b	4	63	46	-		
Loughborough	30.04	59	ENE	1	c	29.99	-.15	47	46	0	WNW	1	bcwm	4	70	41	-		
Ardrossan ...	30.08	56	N	1	om	30.03	-.12	49	47	0	NE	1	om	0	60	47	-		
Malin Head ...	29.99	56	E	4	bc	30.01	-.12	51	48	-2	SE	2	bm	2	59	48	-		
Mullaghmore ...	30.01	59	ESE	4	em	29.99	-.05	51	49	-4	E	4	b	2	63	48	-		
Belmullet ...	29.99	62	SE	1	0	29.96	-.05	53	51	-3	E	1	0	4	66	53	-		
Donaghadee ...	30.08	54	SE	2	c	30.01	-.12	52	52	-2	E	3	0	1	59	42	-		
Barrow-in-Furness	30.06	56	NNE	2	bc	30.00	-.16	50	47	-2	NNE	1	om	2	59	48	-		
Liverpool (Bidston)	30.05	56	N	1	b	29.99	-.15	52	49	0	E	1	om	2	61	49	-		
Holyhead ...	30.06	56	ENE	3	bc	29.96	-.14	50	49	0	ENE	1	bw	1	60	46	-		
Parsonstown ...	30.01	60	SE	1	0	29.96	-.07	53	51	-4	NE	1	og	4	66	51	0.06		
Valencia ...	29.95	61	SEW	3	0	29.88	-.07	60	58	-1	E	2	0	2	64	57	0.06		
Roche's Point...	29.98	59	SE	3	f	29.91	-.06	57	56	-2	ESE	4	c	4	61	54	0.08		
Pembroke ...	30.02	58	ESE	2	bc	29.94	-.13	53	52	-1	E	2	cg	1	61	52	-		
Seilly ...																			
Prawle Point ...	30.00	58	NE	2	bc	29.92	-.14	58	56	+3	ENE	4	c	3	66	54	-		
Jersey ...	29.97	62	NNE	2	b	29.89	-.14	61	59	+1	E	3	bcw	3	69	56	-		
Hurst Castle ...	30.01	62	WSW	1	bc	29.95	-.11	53	52	+2	NE	4	c	1	67	50	-		
Dungeness ...	29.97	63	2	0	bc	29.88	-.19	53	52	0	WNW	2	bcw	1	67	48	-		
London ...	30.00	63	NE	1	bc	29.95	-.13	53	51	-1	NNE	2	og	4	68	52	-		
Oxford ...	30.03	52	2	0	b	29.97	-.14	50	48	0	NNE	1	b	4	66	48	-		
Cambridge ...	30.04	56	N	1	c	29.92	-.17	52	51	-3	N	1	b	4	69	46	-		
Yarmouth ...	30.00	62	NNE	2	bc	29.87	-.19	69	57	-1	N	2	c	3	65	55	-		
Cuxhaven ...	30.11	?	ESE	4	bc	29.97	-.26	51	48	-4	SE	3	b	4	63	50	-		
Berlin ...	30.12	55	NE	1	b	30.01	-.23	49	43	-2	E	3	b	4	63	45	-		
Wiesbaden ...	*	*	*	*	*	29.93	-.17	53	49	-1	E	1	b	4	70	45	-		
Munich ...	30.02	54	E	1	b	29.97	-.15	52	51	+4	W	2	E	4	64	45	-		
FRANCE & NETHERLANDS.																			
The Helder ...	29.97	62	E	1	b	29.86	-.22	56	54	+2	E	1	bc	1	64	54	-		
Brussels ...	*	*	*	*	*	29.86	-.16	57	56	+2	WSW	1	m	4	71	54	-		
Cape Gris Nez...	29.96	60	?	1	bc	29.88	-.13	57	55	-2	NNE	4	0	2	68	54	-		
Paris ...	29.95	65	WNW	1	0	29.89	-.14	55	54	+3	?	1	0	4	73	55	0.04		
Brest ...	29.93	62	N	3	b	29.87	-.14	59	57	-4	ESE	4	bc	5	70	55	-		
Lorient ...	29.99	66	WNW	4	b	29.89	-.15	59	58	-1	E	3	b	1	75	54	-		
Rochefort ...	30.02	69	NW	5	bc	29.95	-.10	64	63	-2	SE	1	f	2	73	59	-		
Belfort ...	29.98	66	E	3	bc	29.91		59	57		E	3	0	?	72	54	-		
Lyons ...	29.93	67	ESE	3	0	29.92	-.11	61	61	0	E	1	0	4	76	60	0.04		
Nice...	30.04	67	E	3	0	29.99	-.05	67	58	+6	E	1	0	4	73	59	-		
Perpignan ...	29.97	67	2	0	bc	29.93	-.11	62	60	-1	EW	1	b	4	78	57	-		
Biarritz ...	29.98	71	N	1	b	29.84	-.20	60	58	-6	E	5	b	1	75	54	-		
PENINSULA.																			
Corunna ...																			
Lisbon ...	29.98	67	SE	5	c	29.89	-.18	67	65	+2	S	5	c	5	70	64	0.12		

For Explanation of Columns, see p. 4.

# WEATHER CHARTS

for 8 a.m. on Monday, 20<sup>th</sup> September 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.

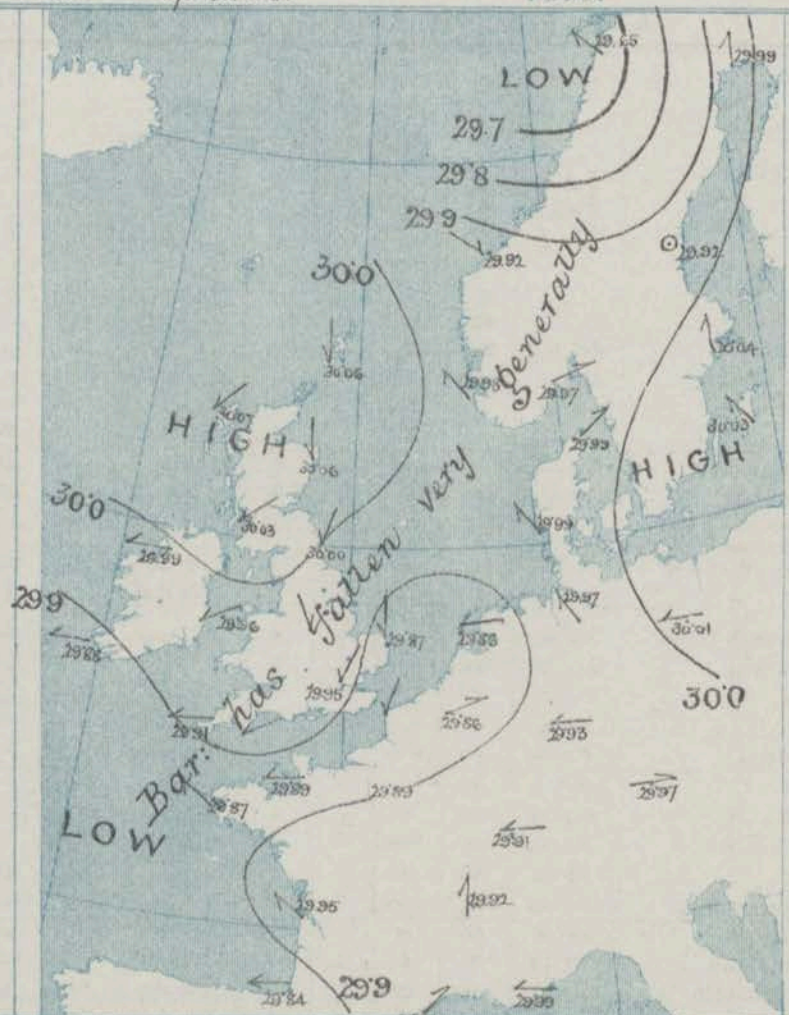
**Sea Disturbance** — where considerable is shown thus

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.758
Stornoway	29.781
Wick	29.786
Nairn	29.812
Aberdeen	29.815
Leith	29.851
Shields	29.876
York	29.913
Ardrossan	29.858
Donaghadee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Rocha's Point	29.928
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.966
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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.

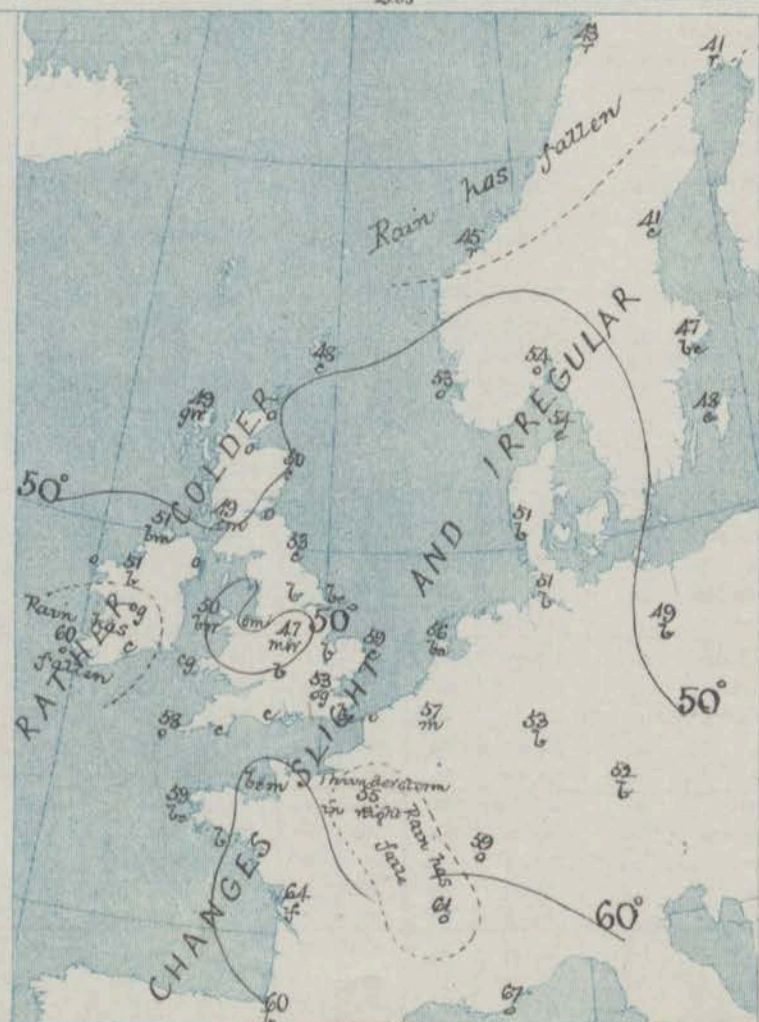
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 8 a.m. Dry.	Wet.	
Sumburgh Head	55.2	46.2	50.6	49.0	3.40
Stornoway	55.9	45.4	51.0	49.7	4.13
Wick	57.5	45.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.78
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Rocha's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.5	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	66.9	49.3	56.4	54.0	2.50
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

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



# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.0 ins: (and upwards) over Scotland, but second anticyclonic system of almost equal height over the Baltic and North Germany. Lowest, 29.65: in a depression lying near Bodø, but relatively low (29.9 ins. and less) in a trough extending from the Bay of Biscay across the north of France to Holland. Gradient, light and irregular.
TEMPERATURE	Highest, 67° at Nice, 64° at Rochefort, and 61° at Jersey. Lowest, 41° at Haparanda and Hernösand, 43° at Bodø, 44° at Naime and 47° at Loughborough. The general tendency is for a further fall.
WIND	Varying between N. and E. over our Islands. SE at many of the Continental stations. Light or moderate in force generally.
WEATHER	Rainy in the north of Scandinavia, dull on our extreme southwest and north coasts, fair or fine elsewhere. A thunderstorm occurred in Paris last night, and thunder is now reported at Munich.
SEA	Moderate at Valencia, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone which lay over Sweden yesterday has completely dispersed, the barometer has fallen generally, and the low pressure system recently noticed to the south west of our Islands has extended in the form of a long trough over the Channel and N. of France to the Netherlands. In the meantime, a well-marked though shallow depression has appeared near Bodø.

The depression seems likely to move away in an easterly or a southeasterly direction without materially affecting the weather over our Islands; but from the slight excess of barometric fall which is now taking place in the extreme west of our Islands it seems probable that a somewhat decided low pressure system will shortly appear off our southwest coasts. In this case the E winds over Ireland and the SW of England would increase in force, with less settled weather. On our north and east coasts, however, no immediate change is probable.

## FORECASTS

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

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

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...							Holyhead ...						
Sumburgh Head							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rocheport ...						
Belmullet ...													

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

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

Yesterday's reports showed that the anticyclone observed in the north on Saturday had moved eastwards, and covered the whole of Scandinavia, but that a band of high pressure still extended southwards from that region across Germany and Austria to the Bosphorus. Readings at 8 am varied from <sup>between</sup> 30.3 in. and 30.4 in. over Scandinavia to below 29.9 in. over Central Russia, on the one hand, and to a little above 29.9 in. at Valencia on the other. Over Western Europe pressure distribution is very irregular. Thus, while N<sup>w</sup> winds still prevailed over the Baltic, and Eastern and Central Europe with improving weather, SE<sup>1</sup> and variable breezes were reported in France, Spain, and the British Isles, with unsettled weather in France and Ireland, but fine weather over England and the North Sea. Temperature varied from between 60° and 65° on the northern shores of the Mediterranean to 50° in the Shetlands and to nearly the freezing point in some parts of Finland. The highest readings reported were 79° at La Calle, and 77° at Sfax and Biskra (Algiers), 75° at Brindisi, 70° at Helso, 68° at O'Beane and 66° at Lerina; the lowest 35° at Uleaborg, 37° at Haparand, 38° at Moscow, and 40° at Archangel.

During the day very little change occurred in the distribution of pressure in the west. Fine weather continued over England, where the thermometer rose to between 68° and 70°, and some improvement occurred in France, where the maximum temperature was as high as 72° to 78°. Showers fell in Ireland and at Paris, Lyons and Lisbon, and thunder occurred in Paris. Over Northern Europe pressure began to give way decidedly and rain fell as a depression approached the northwest of Norway from the westward.

The summary for the week ending Sept<sup>r</sup> 18<sup>th</sup> will be found on the report for Sunday.

### 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 21<sup>st</sup> September 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.		
		In.	°				In.	In.	°	°	°				°	°	In.		
SCANDINAVIA.																			
Haparanda ..		29.87	39	S	2	o	29.96	- 03	37	34	- 4	NE	4	0	5	45	34	-	
Hernösand ...		29.70	38	2	0	c	29.63	- 29	43	42	+ 2	NE	6	1	5	50	37	0.24	
Stockholm ...		29.78	46	S	2	h	29.46	- 58	46	45	- 1	ESE	2	1	5	54	41	0.39	
Wisby ...		29.79	50	S	4	h	29.42	- 61	49	48	+ 1	SSE	4	0	5	55	39	-	
Bodo ...		29.75	44	NE	2	b	29.84	+ 19	42	41	- 1	SE	2	0	1	46	39	0.12	
Christiansund...		29.84	45	NW	4	h	29.77	- 15	48	45	+ 3	NNE	4	bc	5	48	43	0.16	
Skudesnaes ...		29.82	47	NW	4	bc	29.73	- 25	48	42	- 5	NW	4	b	3	55	46	-	
Christiania Fjord (Fierder)		29.67	54	NW	6	c	29.60	- 37	46	41	- 8	NW	6	b	3	55	45	-	
Skagen (The Scaw)		29.66	50	2	0	b	29.55	- 44	49	44	- 5	NNE	4	bc	3	59	48	-	
Faño ...		29.73	49	NW	2	b	29.64	- 35	51	48	0	NE	3	b	5	63	46	-	
Sumburgh Head		30.03	25	NNE	2	o	29.96	- 10	46	43	- 2	N	3	0	3	50	40	-	
Stornoway ...		30.04	50	ESE	4	a	30.02	- 05	47	44	- 2	ESE	5	og	4	54	43	-	
Wick ...		30.01	47	SE	2	c	29.98	- 09	47	46	- 3	NE	1	0	0	52	44	-	
Nairn ...		29.99	50	NE	2	o	29.98	- 10	47	42	+ 3	NNE	3	0	2	51	42	-	
Aberdeen...		29.97	49	N	3	op	29.94	- 12	47	43	- 3	N	4	0	3	54	44	-	
Leith ...		29.96	52	SE	1	c	29.93	- 11	47	45	- 4	NE	2	0	5	55	46	-	
Shields ...		29.91	54	NNE	2	c	29.87	- 13	51	48	- 2	NE	3	0	4	57	48	0.01	
Spurn Head ...		29.82	56	N	5	bc	29.78	- 16	56	53	+ 1	NE	5	c	4	58	54	-	
York ...		29.88	54	N	1	o	29.82	- 17	52	50	0	N	1	0	5	60	47	-	
Loughborough		29.85	57	NE	2	o	29.76	- 23	54	52	+ 7	NE	3	0	5	63	47	-	
Ardrossan ...		29.95	51	NE	1	om	29.92	- 11	47	43	- 2	NE	3	om	1	53	46	-	
Malin Head ...		29.94	52	SE	4	c	29.92	- 09	50	47	- 1	ESE	4	0	5	55	50	-	
Mullaghmore ...		29.89	56	E	4	c	29.83	- 16	52	49	+ 1	E	5	0	4	59	49	-	
Belmullet ...		29.86	56	E	2	b	29.81	- 15	52	49	- 1	E	4	0	5	63	47	-	
Donaghadee ...		29.92	54	E	4	c	29.85	- 16	52	50	0	E	4	0	5	55	50	-	
Barrow-in-Furness		29.84	55	NNE	2	o	29.80	- 20	52	48	+ 2	NE	4	0	5	58	49	-	
Liverpool (Bidston)		29.87	53	NE	2	c	29.78	- 21	53	49	+ 1	ESE	2	om	3	58	51	-	
Holyhead ...		29.88	53	ESE	3	bm	29.76	- 20	53	52	+ 3	ESE	4	cpm	3	59	50	-	
Parsonstown ...		29.84	57	E	1	b	29.76	- 20	49	48	- 4	2	0	cp	5	63	42	-	
Valencia ...		29.75	61	ESE	4	bcm	29.64	- 24	61	54	+ 1	ESE	4	bm	4	67	53	-	
Roche's Point...		29.80	57	ESE	4	bc	29.66	- 25	53	51	- 4	ESE	4	bcm	4	62	50	-	
Pembroke ...		29.81	58	E	2	b	29.86	- 28	50	49	- 3	E	3	b	2	60	49	-	
Scilly ...																			
Prawle Point...		29.78	58	ESE	4	c	29.58	- 34	53	53	- 3	NE	5	cu	5	61	54	-	
Jersey ...		29.75	60	NE	3	bm	29.53	- 36	59	57	- 2	E	4	omg	3	68	57	0.04	
Hurst Castle ...		29.82	60	SW	1	b	29.64	- 31	53	53	0	ESE	4	bc	1	65	50	-	
Dungeness ...		29.81	61	SW	1	o	29.65	- 23	54	53	+ 1	N	2	m	1	64	45	-	
London ...		29.82	58	N	1	bcm	29.68	- 27	56	55	+ 3	E	1	fg	5	64	52	-	
Oxford ...		29.83	52	NE	1	c	29.70	- 27	65	64	+ 5	NE	2	ogu	5	63	47	-	
Cambridge ...		29.85	55	N	1	o	29.69	- 23	58	56	+ 6	N	1	0	5	62	50	-	
Yarmouth ...		29.77	60	NW	2	c	29.70	- 17	58	56	- 1	ESE	6	7	5	63	56	0.04	
Cuxhaven ...		29.79	66	N	3	b	29.67	- 30	56	54	+ 5	NE	2	0	5	61	?	-	
Berlin ...		29.74	53	ESE	1	b	29.58	- 43	51	48	+ 2	NW	2	1	5	66	46	-	
Wiesbaden ...		*	*	*	*	*	29.68	- 25	63	59	+ 10	NE	2	5	5	70	?	-	
Munich ...		29.85	57	2	0	bc	29.78	- 19	59	56	+ 7	SW	2	b	5	68	?	-	
The Helder ...		29.75	61	E	1	o	29.69	- 17	58	55	+ 2	ESE	3	0	2	64	55	-	
Brussels ...		*	*	*	*	*	29.68	- 18	56	54	- 1	2	0	f	5	60	50	?	
Cape Gris Nez...		29.79	59	NE	1	m	29.65	- 23	56	55	- 1	2	0	m	0	68	54	-	
Paris ...		29.80	61	ESE	1	b	29.66	- 23	56	55	+ 1	SE	3	1	2	71	50	-	
Brest ...		29.69	67	2	0	b	29.49	- 38	59	58	0	S	3	1	4	72	55	0.67	
Lorient ...		29.76	64	ESE	2	bc	29.52	- 37	59	57	0	SSW	1	0	1	75	54	1.02	
Rochefort ...		29.78	72	SE	5	c	29.68	- 27	66	62	+ 2	NSW	5	0	2	79	59	0.20	
Belfort ...		29.87	62	E	3	c	29.75	- 16	57	55	- 2	SW	3	bc	5	69	50	0.08	
Lyons ...		29.81	67	SSW	1	bc	29.73	- 19	63	60	+ 2	8	3	bc	1	75	57	0.08	
Nice ...		29.87	65	2	0	b	29.82	- 17	65	59	- 2	2	0	b	0	75	57	-	
Perpignan ...		29.83	69	2	0	c	29.70	- 23	61	60	- 1	2	0	0	5	76	59	-	
Biarritz ...		29.69	72	E	4	c	29.67	- 17	68	58	+ 8	S	5	b	2	81	50	0.04	
Corunna ...																			
Lisbon ...		29.87	68	SW	7	c	29.89	00	67	65	0	SW	8	0	5	70	64	0.12	

For Explanation of Columns, see p. 4.

# WEATHER CHARTS

for 8 a.m. on *Tuesday, 21<sup>st</sup> September, 1886.*

## BAROMETER, WIND & SEA.

(Explanation of Map)

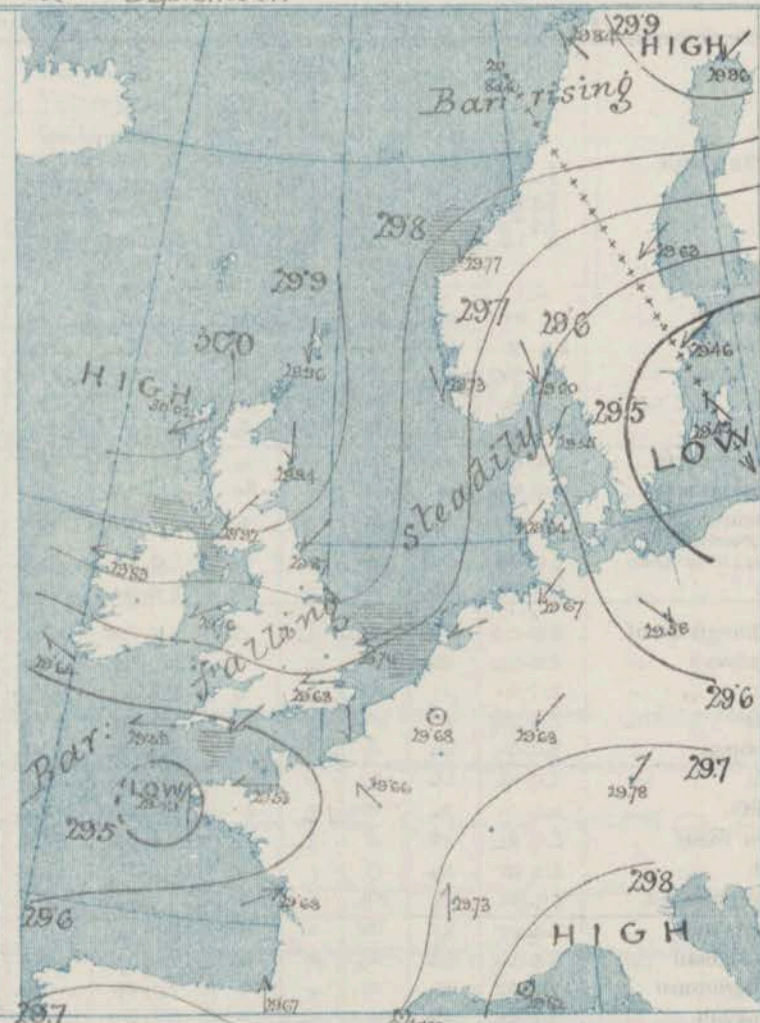
**Barometer** — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevailing winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 \* — forces above 10; — forces 8 to 10;  
 — forces 5 to 7; — forces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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.758
Stornoway	29.781
Wick	29.786
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Valencia	29.929
Roche's Point	29.923
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.956
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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 September.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet	
Sumburgh Head	55.2	46.2	50.6	49.0	3.46
Stornoway	55.9	45.4	51.0	49.7	4.13
Wick	57.5	45.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.73
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.0	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.5	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	62.8	58.3	55.4	2.86
LONDON	66.9	49.3	56.4	54.0	2.59
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

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 the northwest of Scotland, but relatively high (about 29.9 ins.) in Portugal and the north of Sweden. Lowest, 29.5 ins. or less, in depressions lying respectively over the Baltic and at the mouth of the Channel.
TEMPERATURE	{ Highest, 68° at Biarritz, 67° at Lisbon, 65° at Nice, and 61° at Valencia. Lowest, 37° at Haparanda, 42° at Bodø and 46° in the Shetlands
WIND	{ SW <sup>ly</sup> over Spain and the Bay of Biscay, with a fresh gale at Lisbon. NE <sup>ly</sup> or E <sup>ly</sup> elsewhere, generally moderate in force, but strong at the more exposed stations.
WEATHER	{ Rainy in Sweden and the north of France, as well as at Yarmouth and Berlin. Fair or fine in nearly all other parts of Western Europe
SEA	{ Rather rough on exposed parts of our west, south, and south-east coasts, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay near Bodø yesterday has moved south-eastwards to the Baltic, but in the course of the night a new and well marked disturbance has appeared near the mouth of the Channel. The former of these systems will probably continue to travel in a south-easterly direction. The movement of the latter disturbance is somewhat uncertain, but as the gradients to the southward of it are slight it is possible that the centre will travel slowly in a northwesterly direction, and occasion a further increase of wind from the eastward on our west and south-west coasts.

## FORECASTS

for the 24 hours ending at NOON on 22<sup>nd</sup> Sept<sup>r</sup> 1886.

### DISTRICTS.

### FORECASTS.

0 { SCOTLAND NORTH	NE <sup>ly</sup> and E <sup>ly</sup> winds, moderate, fair generally, but cloudy.
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° 0
5 { ENGLAND SOUTH	NE <sup>ly</sup> and E <sup>ly</sup> winds, freshening, fair generally.

### DISTRICTS.

### FORECASTS.

6 { SCOTLAND WEST	Same as N° 0
7 { ENGLAND N W.	NE <sup>ly</sup> and E <sup>ly</sup> winds, freshening; cloudy, rain locally.
8 { ENGLAND S. W.	E <sup>ly</sup> winds, fresh or strong; cloudy, some rain.
9 { IRELAND NORTH	-----D°-----D°-----D°-----
10 { IRELAND SOUTH	-----D°-----D°-----D°-----

### WARNINGS

NONE ISSUED.

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	29.90	55	49	NW 6	0	3	Holyhead ...	29.91	58	53	NE 3	bm	2
Sumburgh Head ...	30.02	48	45	NNE 1	c	—	Valencia ...	29.80	64	60	E 4	cm	4
Stornoway ...	30.07	52	48	E 4	og	3	Scilly ...	...	...	...	...	...	...
Aberdeen ...	30.02	58	50	N 3	c	2	Dungeness ...	29.86	62	54	c 1	bc	1
Shields ...	29.95	56	52	NNE 3	bc	2	London ...	29.86	61	53	NE 3	bc	4
Androssan ...	29.98	53	47	ESE 2	0	1	Yarmouth ...	29.80	61	59	NW 3	c	3
Malin Head ...	29.89	53	50	E 3	c	3	Jersey ...	29.79	68	61	ESE 2	b	2
Mullaghmore ...	29.92	58	52	E 5	bm	4	Rochefort ...	29.88	76	70	SE 4	b	2
Belmullet ...	29.90	61	55	ESE 3	b	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)

Yesterdays report showed that pressure was high 30.1 ins. and upwards over South eastern and Central Europe, the Baltic; the southern half of Scandinavia and the northern half of the British Isles. A large but shallow and irregularly formed low pressure area lay over Spain, France, and the Bay of Biscay, a deeper one over Central Russia, and another off the northwest coast of Norway. Thus, while very variable winds prevailed over Western Europe, those in the north were NW<sup>2</sup> to SW<sup>2</sup>, and those over Western Russia N<sup>2</sup>. Temperature, which had again fallen, varied from between 65° and 70° on the northern shores of the Mediterranean to rather below the freezing point over Finland, and, as a rule, the inland stations were decidedly colder than those on the coast. The highest individual readings were 73° at Algiers, and Brindisi, 71° at Rostock and 70° at Cagliari and Croisette, the lowest 31° at Kuopio (Finland) 32° at Ulesborg, and 35° at St. Petersburg.

During the day the depression in the far north moved south-eastwards; N<sup>2</sup> and E<sup>2</sup> winds continued to prevail over the United Kingdom, temperature rose to between 75° and 79° over France, but did not exceed 65° over the British Islands.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

† The evening observations are taken at 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 22<sup>nd</sup> September.

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.		Temp. in Shade.	Sea. (0 to 2.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)				Dry.	Wet.		Dir.	Force. (0 to 12.)			Max.	Min.			
SCANDINAVIA.																			
Haparanda ...	29.85	38	NNE	2	b	29.70	-.16	36	33	-1	N	6	c	2	39	30	-		
Hernösand ...	29.80	38	NE	6	o	29.76	+ .13	37	33	-6	NE	6	b	2	45	37	0.16		
Stockholm ...	29.82	46	ENE	6	o	29.55	+ .09	40	38	-6	N	6	o	2	48	?	0.63		
Wisby ...	29.81	44	E	4	c	29.37	-.05	45	44	-4	NE	4	r	2	55	43	0.32		
Bodö ...	29.88	46	N	2	c	29.82	-.02	42	40	0	ENE	2	bc	1	46	39	-		
Christiansund...	29.82	47	ENE	3	bc	29.87	+ .10	46	42	-2	NNE	4	bc	4	48	41	0.24		
Skudesnaes ...	29.69	50	NNW	4	b	29.80	+ .07	51	46	+3	NNW	4	c	3	55	48	-		
Christiania Fjord (Færder)	29.57	51	N	8	o	29.74	+ .14	42	38	-4	NNE	8	b	2	52	?	-		
Skagen (The Scaw)	29.54	49	NNE	4	r	29.67	+ .12	46	43	-3	NE	4	c	3	52	45	0.08		
Fanö ...	29.67	42	NNW	1	b	29.63	-.01	45	43	-6	NNW	4	b	2	59	39	-		
BRITISH ISLANDS.																			
Sumburgh Head	29.98	47	N	3	b	30.01	+ .05	45	43	-1	N	3	bc	3	53	42	-		
Stornoway ...	30.03	49	NE	5	cp	30.12	+ .10	47	44	0	N	4	og	3	52	42	0.01		
Wick ...	29.99	47	NE	3	o	30.06	+ .08	47	45	0	N	3	c	1	54	46	0.01		
Nairn ...	29.96	50	NE	4	c	30.06	+ .08	47	45	0	NE	3	c	3	54	44	0.01		
Aberdeen...	29.93	48	N	4	c	30.01	+ .07	48	46	+1	N	5	bc	4	54	45	-		
Leith ...	29.90	51	NE	3	c	30.01	+ .08	49	47	+2	NNE	1	c	2	53	46	-		
Shields ...	29.83	51	NNE	3	op	29.91	+ .04	51	49	0	NNE	5	o	5	52	48	-		
Spurn Head ...	29.76	51	NNE	5	bc	29.83	+ .05	51	53	-2	NNE	5	bc	5	56	48	0.02		
York ...	29.81	50	NNE	2	c	29.87	+ .05	52	48	0	N	2	bc	2	56	45	0.05		
Loughborough	29.76	50	NE	3	bc	29.82	+ .06	51	48	-3	NNE	3	bc	2	59	43	-		
GERMANY.																			
Ardrossan ...	29.89	51	ENE	2	bcw	30.02	+ .10	50	45	+3	N	1	c	0	53	43	-		
Malin Head ...	29.93	51	ENE	4	c	30.01	+ .09	51	48	+1	NE	4	bc	4	52	48	-		
Mullaghmore ...	29.85	52	E	6	o	30.04	+ .11	50	45	-2	NE	5	bc	4	56	48	-		
Belmullet ...	29.86	53	ENE	5	o	30.06	+ .15	51	45	-1	ENE	3	c	2	58	45	-		
Donaghadee ...	29.87	51	NE	6	c	30.01	+ .16	50	46	-2	E	7	c	5	54	49	-		
FRANCE & NETHERLANDS.																			
Barrow-in-Farress	29.82	51	NE	3	o	29.90	+ .10	47	44	-5	NE	3	bc	2	56	45	-		
Liverpool (Biddon)	29.78	50	ENE	3	bc	29.89	+ .11	50	46	-3	NE	2	c	3	53	45	-		
Holyhead ...	29.76	54	ENE	6	cp	29.90	+ .14	53	48	0	NE	5	bcg	5	57	50	-		
Parsonstown ...	29.77	52	E	1	c	29.96	+ .20	47	45	-2	NE	1	bc	2	56	42	-		
Valencia ...	29.64	59	NE	4	bcw	29.90	+ .26	51	49	-10	NE	7	bc	6	63	47	-		
SPAIN.																			
Roche's Point...	29.64	57	NE	5	c	29.82	+ .18	52	48	-1	ENE	5	bc	4	61	48	-		
Pembroke ...	29.62	57	NNE	4	bc	29.79	+ .13	49	46	-1	NE	5	bc	4	62	45	-		
Scilly ...																			
Prawle Point ...	29.51	45	NE	5	r	29.61	+ .03	51	49	-4	ENE	7	rg	7	58	49	0.70		
Jersey ...	29.48	62	SE	1	bc	29.49	-.04	60	58	+1	NE	2	cg	2	63	57	0.43		
NETHERLANDS.																			
Hurst Castle ...	29.55	61	ENE	5	ocw	29.65	+ .01	53	51	0	NE	6	cd	3	63	50	0.15		
Dungeness ...	29.56	61	E	5	o	29.65	.00	54	53	0	ESE	4	r	4	65	53	0.24		
London ...	29.65	59	E	6	og	29.72	+ .04	54	52	-2	ENE	5	cg	2	67	50	0.01		
Oxford ...	29.70	52	NNE	5	og	29.76	+ .06	49	47	-6	NNE	3	b	2	60	45	-		
Cambridge ...	29.72	54	NE	2	c	29.77	+ .08	54	51	-4	NE	2	bc	2	60	41	-		
FRANCE.																			
Yarmouth ...	29.71	54	NE	5	bc	29.74	+ .04	57	52	-1	NE	5	b	4	63	52	0.01		
Cuxhaven ...	29.57	53	NNW	2	c	29.61	-.06	50	47	-6	NW	1	b	2	57	47	-		
Berlin ...	29.57	52	W	2	o	29.61	+ .03	50	45	-1	NW	1	bc	2	55	46	-		
Wiesbaden ...						29.64	-.04	55	53	-8	Z	0	o	2	73	55	0.47		
Munich ...	29.69	55	W	2	b	29.71	-.07	58	54	-1	SW	4	c	2	68	54	0.12		
NETHERLANDS.																			
The Helder ...	29.66	55	NNE	1	bc	29.70	+ .01	55	50	-3	NE	3	b	2	59	52	-		
BRUSSLS.																			
Brussels ...																			
Cape Gris Nez...	29.57	61	ENE	7	o	29.67	+ .02	50	49	-6	NE	5	r	4	64	48	0.39		
Paris ...	29.54	63	WSW	1	bc	29.60	-.06	56	56	0	S	1	o	2	69	53	0.20		
Brest ...	29.46	59	Z	0	o	29.48	-.01	56	56	-3	W	1	r	6	64	54	1.50		
FRANCE & NETHERLANDS.																			
Lorient ...	29.49	63	S	7	o	29.52	.00	63	58	+4	W	7	c	3	70	54	0.16		
Rocheport ...	29.64	68	SW	5	o	29.67	-.01	63	60	-3	W	7	clr	3	75	59	0.08		
Belfort ...	29.75	46	W	3	o	29.70	-.05	55	53	-2	W	3	r	2	73	46	0.04		
Lyons ...	29.72	60	SSW	1	c	29.69	-.04	58	57	-5	S	1	o	2	66	56	0.28		
Nice ...	29.75	62	Z	0	bc	29.73	-.09	62	55	-3	ENE	1	bc	4	72	55	0.83		
FRANCE & NETHERLANDS.																			
Perpignan ...	29.71	70	E	1	o	29.69	-.01	65	65	+4	Z	0	o	2	79	61	-		
Biarritz ...	29.63	73	S	7	c	29.63	-.04	71	59	+3	S	7	c	2	77	66	-		
NETHERLANDS.																			
Corunna ...																			
Lisbon ...	29.82	65	SW	5	o	29.82	-.07	63	60	-4	W	5	r	6	72	63	0.24		

For Explanation of Columns, see p. 1.

# WEATHER CHARTS

for 8 a.m. on Wednesday 22<sup>nd</sup> September 1886.

## BAROMETER, WIND & SEA.

(Explanation of Map)

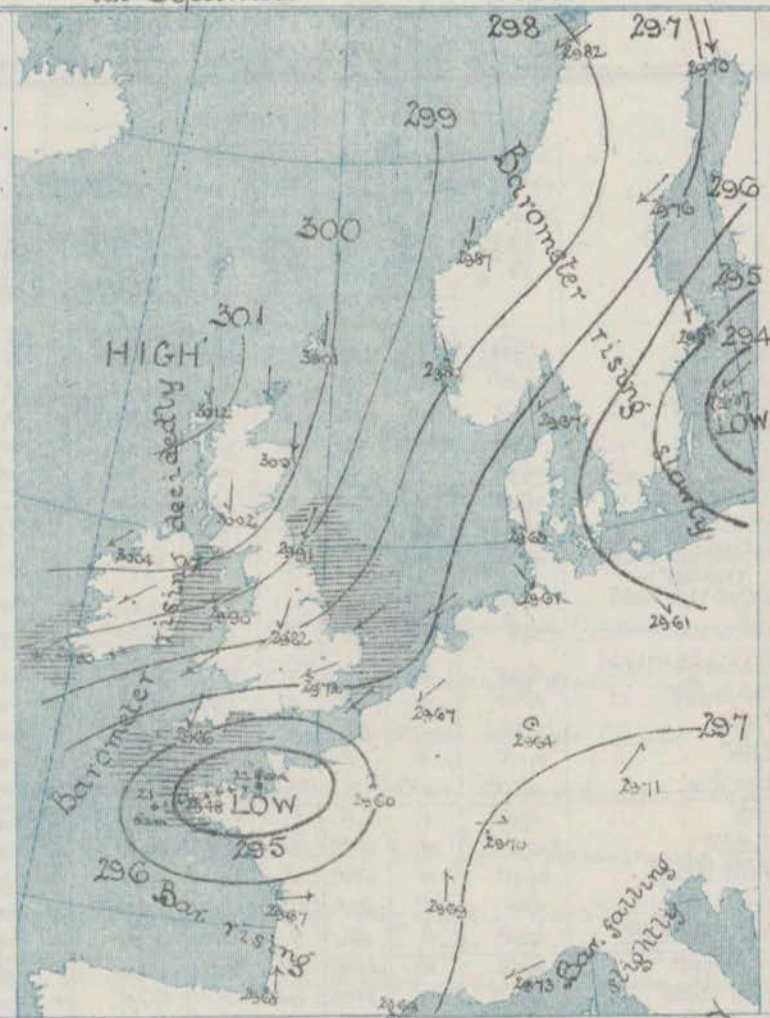
**Barometer** — Iso-bars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 — = forces above 10; — = forces 8 to 10;  
 — = forces 5 to 7;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

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

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.758
Stornoway	29.781
Wick	29.786
Nairn	29.812
Aberdeen	29.816
Leith	29.851
Shields	29.876
York	29.913
Ardrossan	29.858
Donaghadee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roche's Point	29.923
Pembroke	29.924
Scilly	29.960
Burst Castle	29.978
Dover	29.985
LONDON	29.956
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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 September.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	55.2	46.2	50.6	49.0	3.46
Stornoway	55.9	45.4	51.0	49.7	4.13
Wick	57.5	45.8	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.73
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	40.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.08
Ardrossan	59.9	43.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.5	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	68.9	48.3	56.4	54.0	2.69
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

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 in the neighbourhood of the Hebrides. Lowest, 29.4 ins and less over the Baltic, but also low (29.5 ins) in a depression lying between Jersey and the French coast. Rather steep gradients for NE. winds prevailing over the south of our islands.
TEMPERATURE	Highest, 71° at Biarritz, 65° at Perpignan and 60° at Jersey. Lowest, 57° at Haparanda and Hernösund and 45° in the Shetlands. Maxima registered yesterday were below 55° at many of our northern stations.
WIND	N <sup>ly</sup> or NE <sup>ly</sup> over our islands, Scandinavia and Denmark, with strong breezes or moderate gales in some of the more exposed localities. Strong W <sup>ly</sup> in the Bay of Biscay, light S <sup>ly</sup> or SW <sup>ly</sup> in the east of France.
WEATHER	Rainy along the south coast of England and also at Wisby, Brest and Belfast. Thunderstorm in progress at Rochefort. Fair or fine in nearly all other parts of Western Europe.
SEA	High at Prawle Point and Rough or rather so on all the more exposed parts of our south-western, western and north-eastern coasts.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the Channel is moving slowly eastwards and is at the same time gradually filling up, so that the barometer is rising generally.

At present there is no sign of any new disturbance, and as the old one passes away from our neighbourhood the weather over our southern districts will probably undergo some improvement. In other places no decided change is likely.

## FORECASTS

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

### DISTRICTS.

### FORECASTS.

0 { SCOTLAND NORTH	N <sup>ly</sup> winds, moderate or fresh; fair generally.
1 { SCOTLAND EAST	D° ————— D°
2 { ENGLAND N.E.	D° ————— D°
3 { ENGLAND EAST	NE <sup>ly</sup> winds, moderate or fresh; fair generally.
4 { MIDLAND COUNTIES	D° ————— D°
5 { ENGLAND SOUTH	NE <sup>ly</sup> winds, fresh; cloudy at first with local rains, then fair.

### DISTRICTS.

### FORECASTS.

6 { SCOTLAND WEST	Same as N° 0.
7 { ENGLAND N.W.	Same as N° 3.
8 { ENGLAND S.W.	Same as N° 5.
9 { IRELAND NORTH	NE <sup>ly</sup> and N <sup>ly</sup> winds, fresh or strong; fair generally.
10 { IRELAND SOUTH	D° ————— D°

### WARNINGS

None issued.

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.65	55	48	NNW 6	b	3	Holyhead ...	29.44	55	52	ENE 5	bc	5
Sumburgh Head ...	29.96	50	47	N 3	c	2	Valencia ...	29.63	62	56	E 5	bm	5
Stornoway ...	30.03	57	48	NE 5	cp	4	Scilly ...						
Aberdeen ...	29.93	53	48	N 4	cp	3	Dungeness ...	29.59	62	58	E 3	c	2
Shields ...	29.85	52	49	NE 4	c	4	London ...	29.62	63	57	ENE 4	c	2
Ardrossan ...	29.90	51	46	ENE 3	o	1	Yarmouth ...	29.70	57	53	NE 6	c	5
Malin Head ...	29.94	51	49	ENE 3	o	1	Jersey ...	29.48	63	61	ESE 1	c	2
Mullaghmore ...	29.85	54	50	E 6	o	4	Rochefort ...	29.66	73	65	SSW 7	c	2
Belmullet ...	29.82	50	51	E 4	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 Reports from the Continent 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).

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# DAILY WEATHER REPORT.

for Thursday 23<sup>rd</sup> September 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 ..	29.64	38	N	2	bc	29.58	- 12	35	35	- 1	N	4	c	*	39	28	-														
Hernösand ...	29.70	39	NNE	4	b	29.72	- 04	39	38	+ 2	N	4	o	*	43	36	-														
Stockholm ...	29.67	37	NW	2	c	29.68	+ 13	39	36	- 1	NNE	4	c	*	46	36	0.04														
Wisby ...	29.62	44	N	6	o	29.61	+ 24	44	40	- 1	N	4	c	*	50	41	0.16														
Bodö ...	29.80	39	NE	2	c	29.82	- 00	39	37	- 2	ESE	2	b	1	46	34	-														
Christiansund...	29.87	44	NNE	1	n	29.91	+ 04	45	43	- 1	NNE	1	n	3	48	39	0.28														
Skudesnaes ...	29.79	49	NNE	4	b	29.86	+ 06	47	43	- 4	N	2	b	3	54	?	-														
Christiania Fjord (Fjord)	29.78	49	Z	0	b	29.83	+ 09	44	41	+ 2	NNE	2	b	1	?	?	-														
Skagen (The Seaw)	29.79	45	NE	3	b	29.81	+ 14	47	43	+ 1	NW	2	c	1	48	36	-														
Fanö ...	29.84	40	N	2	b	29.84	+ 21	41	38	- 4	NNE	2	c	*	54	30	-														
BRITISH ISLANDS.																															
Sumburgh Head	30.02	44	N	2	o	30.03	+ 02	44	41	- 1	NNE	1	o	1	51	39	0.01														
Stornoway ...	30.16	47	N	2	og	30.17	+ 05	50	48	+ 3	N	3	og	2	50	44	0.01														
Wick ...	30.08	45	NNE	3	o	30.09	+ 03	47	47	0	NNE	2	o	0	50	42	0.08														
Nairn ...	30.11	47	NE	2	c	30.13	+ 07	45	42	- 2	Z	0	d	?	52	42	0.06														
Aberdeen...	30.05	48	NNE	4	op	30.07	+ 06	47	46	- 1	NNE	4	ep	3	54	42	0.01														
Leith ...	30.05	52	NE	1	b	30.13	+ 12	46	43	- 3	NW	1	c	1	58	41	-														
Shields ...	30.01	50	NNE	4	c	30.09	+ 18	47	44	- 4	NW	3	o	4	56	43	0.01														
Spurn Head ...	29.90	54	N	5	b	30.04	+ 21	49	48	- 5	NNE	5	bc	5	57	47	0.01														
York ...	29.96	50	N	2	bc	30.09	+ 22	46	44	- 6	N	2	bc	*	57	39	0.03														
Loughborough	29.92	52	NNE	4	bc	30.09	+ 27	46	44	- 5	NNE	1	bmw	*	60	39	-														
Ardrossan ...	30.06	54	Z	0	b	30.13	+ 13	48	44	- 2	NNE	1	bm	0	56	41	-														
Malin Head ...	30.10	51	NNE	3	c	30.22	+ 21	50	47	- 1	NNE	4	c	4	52	48	-														
Mullaghmore ...	30.10	52	NE	5	b	30.22	+ 18	50	46	0	NNE	4	o	3	57	49	-														
Belmullet ...	30.13	52	NE	3	b	30.25	+ 19	50	46	- 1	N	2	o	*	58	50	-														
Donaghadee ...	30.07	52	NE	5	bc	30.17	+ 16	50	47	0	NE	4	o	2	55	43	-														
Barrow-in-Furness	29.99	52	NNE	2	bc	30.12	+ 22	46	44	- 1	N	1	o	2	56	43	-														
Liverpool (Bidston)	29.98	52	NE	2	c	30.13	+ 24	47	43	- 3	NE	1	o	2	58	42	-														
Holyhead ...	30.00	54	NNE	4	bcq	30.13	+ 23	49	47	- 4	Z	0	c.m	0	55	45	-														
Parsonstown ...	30.07	52	NNE	1	c	30.25	+ 29	36	35	- 11	S	1	c	*	55	32	-														
Valencia ...	30.05	54	NE	4	bcv	30.23	+ 33	49	47	- 2	ESE	1	b	1	59	42	-														
Roche's Point...	30.01	52	NE	4	b	30.18	+ 34	48	45	- 4	NNE	4	b	3	59	43	-														
Pembroke ...	29.92	54	NNE	4	bc	30.13	+ 34	49	47	0	NNE	3	bw	1	57	44	-														
Scilly ...																															
Prawle Point ...	29.80	56	NNE	6	bc	30.04	+ 43	48	46	- 3	NNE	3	bc	4	57	43	0.07														
Jersey ...	29.67	55	ESE	6	ogm	29.94	+ 45	56	53	- 4	NE	5	bm	4	65	54	0.01														
Hurst Castle ...	29.79	57	ESE	3	bc	30.04	+ 39	48	47	- 5	NNE	3	bw	1	60	45	-														
Dungeness ...	29.74	58	E	5	c	29.96	+ 31	50	49	- 4	NNE	3	b	3	62	44	0.02														
London ...	29.84	57	NE	4	bc	30.04	+ 32	48	46	- 6	NE	2	c	*	63	45	-														
Oxford ...	29.94	49	NE	4	b	30.08	+ 32	47	45	- 2	N	2	bw	*	60	42	-														
Cambridge ...	29.86	51	NE	1	b	30.04	+ 27	47	46	- 7	N	2	b	*	61	41	0.03														
Yarmouth ...	29.84	57	NE	5	bc	29.97	+ 23	53	50	- 4	NNE	3	bcv	4	62	49	0.06														
Cuxhaven ...	29.70	53	N	2	b	29.79	+ 18	49	46	- 1	NNE	2	b	*	54	46	-														
Berlin ...	29.70	53	Z	0	b	29.81	+ 20	48	46	- 2	Z	0	o	*	59	43	0.16														
Wiesbaden ...	*	*	*	*	*	29.87	+ 23	53	46	- 2	SW	1	bc	*	61	50	0.12														
Munich ...	29.77	54	SSE	1	n	29.82	+ 11	51	50	- 7	N	1	o	*	66	50	0.39														
GERMANY.																															
The Helder ...	29.83	54	NNE	1	bc	29.91	+ 21	51	48	- 4	NNE	1	c	1	59	50	0.08														
Brussels ...	*	*	*	*	*																										
Cape Gris Nez...	29.75	57	ESE	7	o	29.94	+ 27	55	51	+ 5	NE	7	c	5	61	48	0.28														
Paris ...	29.72	53	NNE	4	o	29.90	+ 30	51	49	- 5	NNE	4	bc	*	65	50	0.71														
Brest ...	29.69	57	NE	5	o	29.90	+ 42	53	52	- 1	ESE	5	o	4	64	52	0.08														
Lorient ...	29.68	64	WSW	3	b	29.86	+ 34	54	51	- 9	ESE	7	c	4	70	46	0.04														
Rochefort ...	29.76	66	SW	4	bc	29.81	+ 14	58	57	- 5	ESE	7	c	2	72	54	0.16														
Belfort ...	29.75	56	N	3	o	29.88	+ 18	55	53	0	N	3	o	*	59	50	0.55														
Lyons ...	29.71	62	NW	4	c	29.80	+ 11	55	54	- 3	N	1	n	*	74	54	0.20														
Nice ...	29.72	69	SSW	4	f	29.76	+ 03	66	63	+ 4	N	1	c	3	77	59	-														
Perpignan ...	29.69	70	Z	0	b	29.64	- 05	66	64	+ 1	Z	0	c	*	78	60	0.08														
Biarritz ...	29.67	70	Z	0	c	29.70	+ 07	63	61	- 8	E	5	o	1	77	61	0.04														
FRANCE & NETHERLANDS.																															
Corunna...	*	*	*	*	*	29.70	+ 12	61	59	0	S	1	bc	5	70	55	-														
Lisbon ...	29.78	64	WSW	7	c	29.76	- 06	63	61	0	NNE	3	n	5	68	61	0.16														
PENIN-SULA.																															

† Received too late for insertion in Charts.

For Explanation of Columns, see p. 4.

# WEATHER CHARTS

for 8 a.m. on Thursday, 23<sup>rd</sup> September

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.

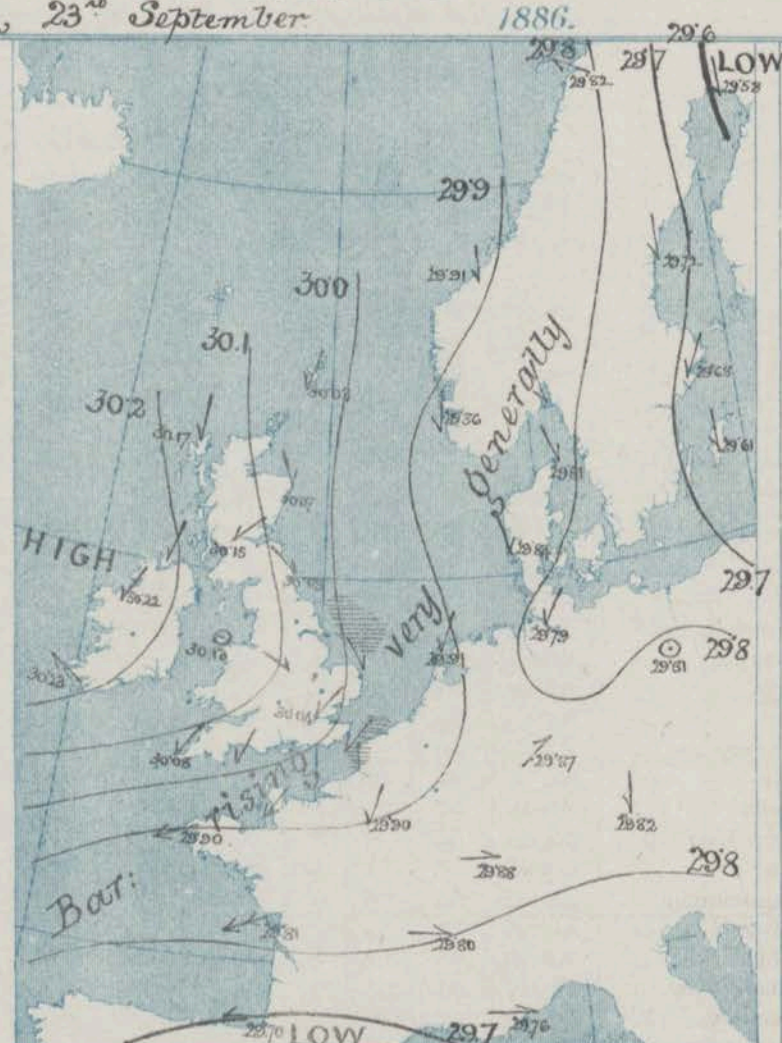
**Sea Disturbance** — where considerable is shown thus

▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.758
Stornoway	29.781
Wick	29.786
Nairn	29.812
Aberdeen	29.815
Leith	29.851
Shields	29.876
York	29.913
Ardrossan	29.858
Donaghadee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roche's Point	29.928
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.950
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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 September.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	55.2	46.2	50.6	49.0	3.46
Stornoway	55.9	45.4	51.0	49.7	4.13
Wick	57.5	45.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.73
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.50
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.5	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	66.9	49.3	56.4	54.0	2.59
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

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 Ireland. Lowest, 29.6 ins or less in the north of Sweden but relatively low, (29.7 ins and less) in the north of Spain.
TEMPERATURE	{ Highest, 66° at Nice and Perpignan and 63° at Biarritz and Lisbon. Lowest, 35° at Haparanda and 36° at Parsonstown. Frost occurred last night over Central Ireland.
WIND	{ Moderate NW <sup>ly</sup> or N <sup>ly</sup> over Scandinavia, Denmark and the east of Great Britain. Light NE <sup>ly</sup> in the south of England. Strong E <sup>ly</sup> over the Bay of Biscay, variable over Central Europe.
WEATHER	{ Dull and unsettled, with local rains, in Scotland and the south of France. Fair or fine in most other localities. Thunderstorms occurred last night at some of the French stations.
SEA	{ Moderate to smooth generally, but rather rough at Spurn Head and Cape Gris Nez.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay over the Channel yesterday has entirely dispersed, the barometer has continued to rise generally, and the high-pressure system recently noticed over the north-west of Scotland has extended down our west coasts.

No important change in the weather is likely at present; but as the barometer in the extreme north has been stationary since 10 pm, it is possible that the wind there will shortly back to the W<sup>nd</sup> and increase slightly in force. Over our more southern districts light NE<sup>ly</sup> or N<sup>ly</sup> breezes and fine weather will probably continue for a time.

## FORECASTS

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

### DISTRICTS.

### FORECASTS.

0 { SCOTLAND NORTH	NW <sup>ly</sup> to W <sup>ly</sup> winds, moderate, cloudy, some rain.
1 { SCOTLAND EAST	-----D°-----D°-----
2 { ENGLAND N.E.	N <sup>ly</sup> and NW <sup>ly</sup> winds, moderate, fair generally, but local showers.
3 { ENGLAND EAST	-----D°-----D°-----
4 { MIDLAND COUNTIES	-----D°-----D°-----
5 { ENGLAND SOUTH	NE <sup>ly</sup> and N <sup>ly</sup> winds, moderate, fair generally.

### DISTRICTS.

### FORECASTS.

6 { SCOTLAND WEST	N <sup>ly</sup> winds, light, fair generally.
7 { ENGLAND N.W.	-----D°-----D°-----
8 { ENGLAND S.W.	Same as N° 5.
9 { IRELAND NORTH	N <sup>ly</sup> to NW <sup>ly</sup> winds, moderate or fresh, cloudy, some rain.
10 { IRELAND SOUTH	Same as N° 6.
WARNINGS	None issued.

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.82	54	48	NW 4	bc	3	Holyhead ...	29.96	54	49	NNE 4	bc	4
Sumburgh Head ...	30.01	48	45	N 3	c	3	Valencia ...	29.97	56	52	N 6	bcv	6
Stornoway ...	30.15	49	45	NNE 4	0	3	Scilly ...						
Aberdeen ...	30.02	54	49	N 4	bc	4	Dungeness ...	29.72	59	55	G 5	c	4
Shields ...	29.96	54	50	NNE 4	c	5	London ...	29.77	61	51	NNE 4	c	4
Ardrossan ...	30.04	55	48	N 1	bc	0	Yarmouth ...	29.80	59	52	N 5	b	5
Malin Head ...	30.13	52	49	NNE 3	b	3	Jersey ...	29.60	60	57	E 5	bc	4
Mullaghmore ...	30.06	55	48	NNE 5	bcv	3	Rocheport ...	29.71	68	64	SW 5	bc	2
Belmullet ...	30.11	55	49	N 3	bc	4							

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

Yesterday morning's Reports showed that pressure was higher over the Atlantic to the north-westward of Ireland, and that two depressions lay over Europe, the centre of one being near Memel and that of the other over Brittany. The gradients over the British Islands and North Sea were moderate, while those over South eastern and Southern Europe were very slight. Thus, while fresh to strong NE<sup>ly</sup> winds were blowing all over the northern and north-western districts, the winds in the south and south-east were SW<sup>ly</sup>, and as a rule were light. On the northern shores of the Mediterranean, however, they were fresh. The weather was very showery in the west and north; finer elsewhere. Temperature varied from between 60° and 70° on the northern shores of the Mediterranean to a little above the freezing point over Finland and Central Russia. The highest individual readings were 80° at Algiers, 77° at Cagliari, 73° at Malta and Brindisi and 71° at Croisette and Cape Béarn; the lowest 34° at Ålesborg, 36° at Kuopio and 37° at Haparanda.

In the course of the day the depression over Brittany dispersed and the NE<sup>ly</sup> wind over the British Islands moderated. Rain fell except in the west of the British Islands and at Paris the fall was heavy. Temperature rose to between 74° and 78° in the south of France, but the maxima over England did not exceed 63°, while in Scotland they were but little above 50°. The night was cold, the minima being 36° at Parsonstown, 39° at Sumburgh Head, York and Loughborough and 41° 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. 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 24<sup>th</sup> September

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 ..	29.43	37	N	6	n	29.41	- .17	37	36	+ 2	N	8	A	4	45	32	0.08
	Hernösand ...	29.70	38	2	0	c	29.66	- .06	41	36	+ 2	N	4	A	4	46	36	-
	Stockholm ...	29.71	40	NW	2	0	29.72	+ .04	39	36	0	N	2	b	4	46	34	-
	Wisby ...	29.67	44	N	4	b	29.68	+ .07	45	41	+ 1	NW	6	A	4	48	41	0.04
	Bodö ...	29.82	37	2	0	b	29.79	- .03	41	39	+ 2	N	1	c	1	43	32	-
	Christiansund...	29.89	45	NW	1	0	29.88	- .03	44	43	- 1	ESE	1	A	2	48	39	0.20
	Skudesnaes ...	29.90	47	NW	4	bc	29.89	+ .03	48	45	+ 1	N	4	0	2	55	46	-
	Christiania Fjord (Færdar)	29.81	50	NW	2	0	29.84	+ .01	47	44	+ 3	N	2	b	1	50	?	-
	Skagen (The Scaw)	29.82	46	NW	2	b	29.83	+ .02	47	44	0	SW	1	b	0	52	43	0.04
	Faou ...	29.84	44	NW	2	b	29.89	+ .05	44	42	+ 3	2	0	b	4	54	34	0.04
BRITISH ISLANDS.	Sumburgh Head	30.03	46	N	1	0	30.00	- .03	44	43	0	2	0	0	0	47	41	0.04
	Stornoway ...	30.17	49	NW	2	og	30.11	- .06	46	45	- 4	NW	2	cp	1	51	43	0.03
	Wick ...	30.07	47	W	2	0	30.05	- .04	47	45	0	N	1	0	0	49	44	0.09
	Nairn ...	30.13	50	NW	2	0	30.12	- .01	47	45	+ 2	NW	1	c	1	51	42	-
	Aberdeen...	30.10	49	NW	3	0	30.10	+ .03	48	44	+ 1	NW	3	0	2	53	45	0.04
	Leith ...	30.12	52	NW	3	0	30.13	0.00	49	47	+ 3	NW	3	of	4	53	45	-
	Shields ...	30.10	50	NW	1	d	30.12	+ .03	49	48	+ 2	NW	1	0	3	54	45	0.02
	Spurn Head ...	30.04	50	NW	4	c	30.12	+ .08	50	49	+ 1	NW	4	cm	4	52	47	0.10
	York ...	30.11	50	N	1	0	30.14	+ .05	48	46	+ 2	NW	1	0	4	52	45	-
	Loughborough	30.10	46	NW	1	bc	30.16	+ .07	49	47	+ 3	NW	1	ogm	4	54	45	-
GERMANY.	Ardrossan ...	30.14	53	NW	1	0	30.15	0.00	51	48	+ 3	NW	2	A	1	54	47	-
	Malin Head ...	30.20	50	N	3	n	30.17	- .05	48	48	- 2	NW	2	c	3	54	47	0.05
	Mullaghmore ...	30.21	52	N	4	0	30.18	- .04	49	47	- 1	SSW	2	0	2	54	45	0.01
	Belmullet ...	30.25	51	NE	3	0	30.19	- .06	50	48	0	SSW	1	0	4	58	48	-
	Donaghadee ...	30.18	53	NE	4	c	30.18	+ .01	50	49	0	NW	2	m	0	55	48	-
	Barrow-in-Furness	30.14	52	NW	2	0	30.15	+ .03	50	48	+ 4	NW	1	0	4	53	46	-
	Liverpool (Bidston)	30.14	50	N	1	0	30.15	+ .02	52	48	+ 5	NW	1	0	3	53	47	-
	Holyhead ...	30.15	51	NW	3	c	30.18	+ .05	52	48	+ 3	NW	2	0	2	56	49	-
	Parsonstown ...	30.21	50	NW	1	0	30.22	- .03	47	46	+ 11	2	0	og	4	51	34	-
	Valencia ...	30.23	51	NW	2	bc	30.22	- .01	51	49	+ 2	ESE	2	0	2	54	48	-
FRANCE & NETHERLANDS.	Roche's Point...	30.21	51	NW	4	c	30.21	+ .03	48	45	0	NW	2	c	3	59	45	-
	Pembroke ...	30.14	53	NE	3	c	30.20	+ .07	50	47	+ 1	NE	2	0	1	56	48	-
	Scilly ...	30.11	51	NW	2	b	30.20	+ .16	50	45	+ 2	NW	2	b	2	59	43	-
	Prawle Point ...	30.03	55	NE	4	bc	30.14	+ .20	53	48	+ 3	NW	2	ogm	2	60	51	-
	Jersey ...	30.04	53	NW	3	bc	30.17	+ .13	48	45	0	N	2	mw	1	59	40	-
	Hurst Castle ...	29.97	56	NW	3	c	30.12	+ .14	46	46	- 4	N	3	b	2	60	39	-
	Dungeness ...	30.05	51	NW	2	c	30.14	+ .10	50	47	+ 2	NE	2	0	4	59	48	-
	London ...	30.13	48	N	1	0	30.18	+ .10	48	45	+ 1	NW	1	om	4	57	46	-
	Oxford ...	30.09	50	N	1	0	30.15	+ .11	51	48	+ 4	N	1	0	4	57	46	-
	Cambridge ...	30.01	51	NW	4	c	30.07	+ .10	51	49	- 2	NW	3	cm	4	60	47	0.05
PENINSULA.	Cuxhaven ...	29.85	48	W	1	bc	29.84	+ .05	51	48	+ 2	NW	3	b	4	53	47	0.22
	Berlin ...	29.89	49	NW	1	b	29.91	+ .10	42	40	- 6	2	0	c	4	57	37	-
	Wiesbaden ...	29.91	47	NW	2	n	30.00	+ .13	48	45	- 5	NW	2	bc	4	63	42	-
	Munich ...	29.91	47	NW	2	n	29.96	+ .14	46	44	- 5	NE	2	0	4	55	45	0.04
	The Helder ...	29.95	53	NW	3	c	29.99	+ .08	53	50	+ 2	N	3	c	3	55	50	0.08
	Brussels ...	29.98	55	?	7	c	30.05	+ .11	52	50	- 3	NW	4	0	5	61	48	0.08
	Cape Gris Nez...	29.96	53	NW	3	b	30.09	+ .19	46	46	- 5	N	1	b	4	62	42	-
	Paris ...	30.04	54	NE	4	b	30.18	+ .28	51	49	- 4	NE	4	0	3	61	48	-
	Brest ...	29.99	60	NE	5	b	30.15	+ .20	54	50	0	NE	5	b	2	66	46	-
	Rochefort ...	29.95	58	NE	5	0	30.11	+ .30	51	49	- 7	ENE	4	b	2	68	46	-
PENINSULA.	Belfort ...	29.91	54	N	3	c	30.03	+ .15	44	42	- 11	c	3	bc	4	57	42	-
	Lyons ...	29.80	58	NW	3	n	29.95	+ .15	51	47	- 4	N	4	bc	4	62	51	0.35
	Nice ...	29.68	67	N	3	f	29.65	- .11	66	57	0	c	1	b	2	77	59	0.08
	Perpignan ...	29.76	62	SW	1	f	29.86	+ .22	63	58	- 3	NW	1	0	4	78	58	0.71
	Biarritz ...	29.80	74	E	3	c	29.92	+ .22	58	56	- 5	ENE	5	c	1	77	55	0.63
	Corunna ...	29.80	64	NW	5	bc	29.93	+ .17	58	57	- 5	NW	4	b	5	70	55	0.12
	Lisbon ...	29.80	64	NW	5	bc	29.93	+ .17	58	57	- 5	NW	4	b	5	70	55	0.12

For Explanation of Columns, see p. 4.

# WEATHER CHARTS

for 8 a.m. on

Friday, 24<sup>th</sup> September

1886.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

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

○ = dead calm.

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

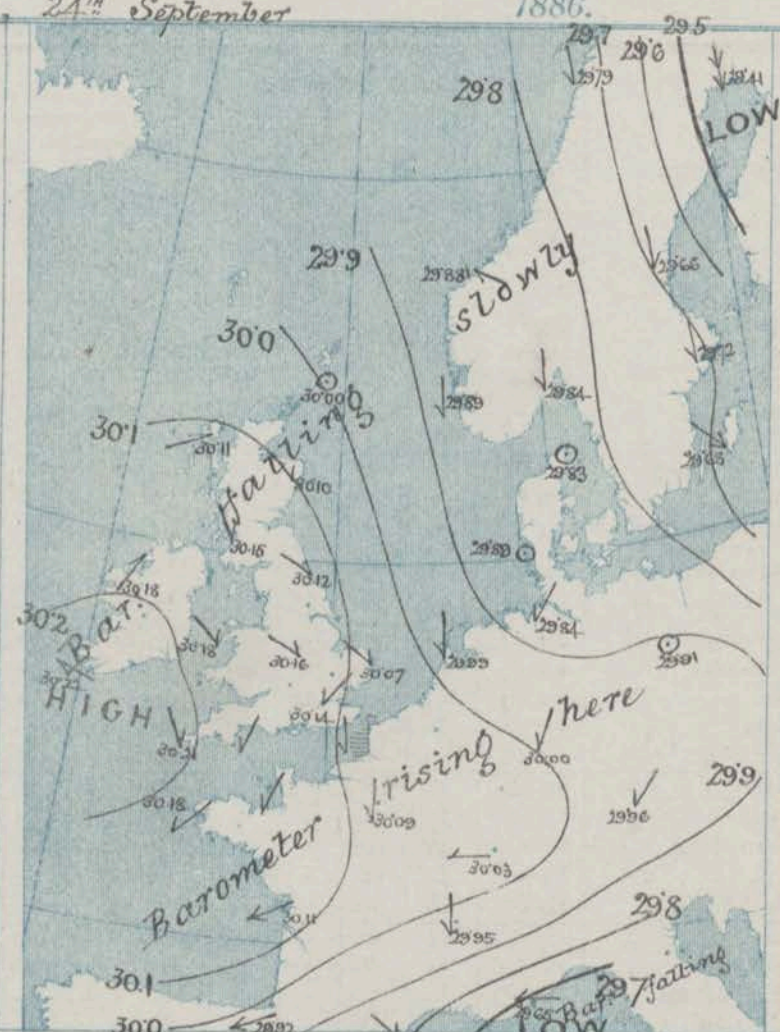
■ = Rough. ■ = High.

## MEAN HEIGHT of the BAROMETER

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

During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS
	in.
Sumburgh Head	29.758
Stornoway	29.781
Wick	29.786
Nairn	29.812
Aberdeen	29.816
Leith	29.851
Shields	29.876
York	29.913
Ardrrossan	29.858
Donaghadee	29.875
Holyhead	29.908
Liverpool	29.910
Valencia	29.929
Roche's Point	29.923
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.956
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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.

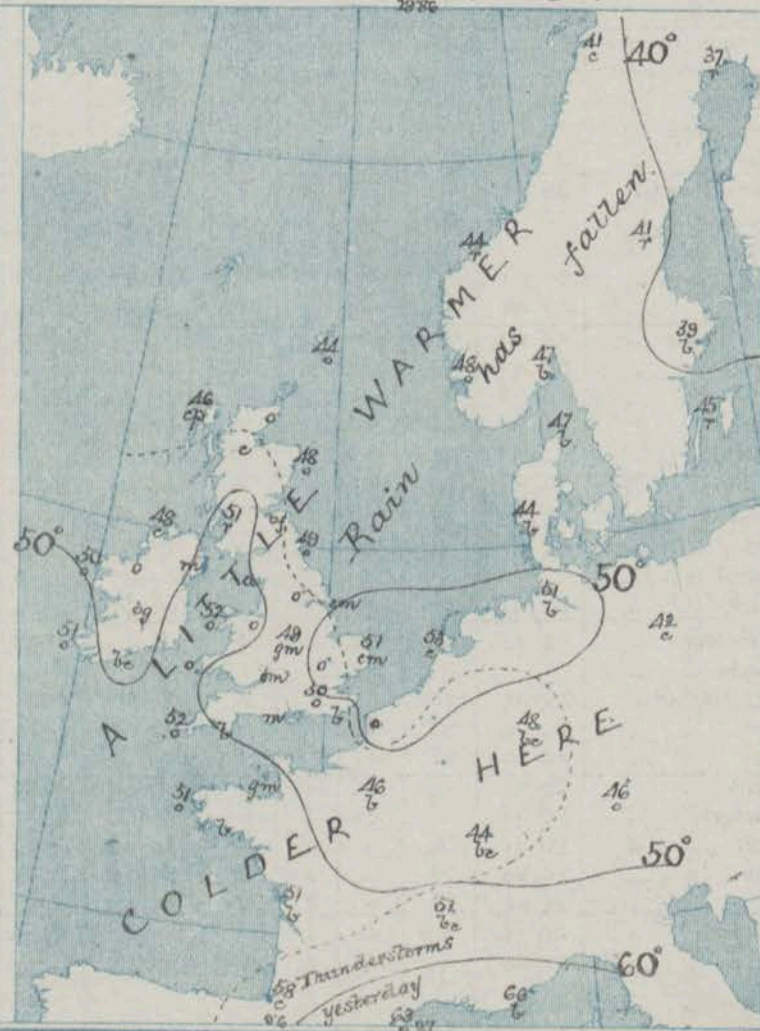
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	55.2	46.2	50.6	49.0	3.46
Stornoway	55.0	45.4	51.0	49.7	4.13
Wick	57.5	45.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.73
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	52.1	51.2	2.98
Ardrrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.5	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	66.9	49.3	56.4	54.0	2.59
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

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 over the south of Ireland and south-west of England. Lowest, 29.4 ins in the north of Sweden but relatively low 29.7 ins and less over the Gulf of Genoa.
TEMPERATURE	Highest, 66° at Nice and 63° at Perpignan. Lowest, 37° at Haparanda, 39° at Stockholm and 44° in the Shetlands. The maxima registered over our islands yesterday, were below 60° in nearly all places and below 55° at most of the northern stations.
WIND	Light SWly on our extreme north-west coasts. Moderate NWly over Great Britain. Fresh NEly in the Bay of Biscay.
WEATHER	Rainy in the north of Scandinavia, as well as at Hordovay and Ardrossan, cloudy in our islands generally. Fine in Denmark, Germany and France. Thunderstorms and heavy rain occurred yesterday in the south of France.
SEA	Moderate to smooth.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The area of high-pressure which lay over Ireland yesterday appears to be moving southwards, the barometer is falling a little on our extreme western and northern coasts and the wind is backing generally.

A depression, the size and depth of which are at present unknown, is apparently advancing towards our extreme northern coasts from the Atlantic, and freshening winds with unsettled showery weather are probable over Ireland and Scotland. In England the weather is not likely to be materially affected at present.

## FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Wly and SWly winds, freshening; cloudy, some rain.	6 SCOTLAND WEST	NWly to Wly winds, moderate; cloudy, rain locally.
1 SCOTLAND EAST	Wly and NWly winds, moderate; cloudy, rain locally.	7 ENGLAND N. W.	D°-----D°
2 ENGLAND N. E.	-----D°-----D°	8 ENGLAND S. W.	Same as N° 5.
3 ENGLAND EAST	Same as N° 5.	9 IRELAND NORTH	Same as N° 0.
4 MIDLAND COUNTIES	Same as N° 5.	10 IRELAND SOUTH	Same as N° 6.
5 ENGLAND SOUTH	Nly and NWly winds, light or moderate, fair generally, warmer.	WARNINGS	None issued.

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.88	50	47	NNW 2	b	2	Holyhead ...	30.14	53	49	NNE 2	o	2
Sumburgh Head ...	30.04	46	42	NNE 1	o	1	Valencia ...	30.22	56	52	N 3	br	3
Stornoway ...	30.18	50	48	N 3	op	2	Scilly ...	...	...	...	...	...	...
Aberdeen ...	30.09	53	50	N 4	op	3	Dungeness ...	29.97	59	54	NE 3	br	3
Shields ...	30.09	52	49	NNW 3	of	4	London ...	30.04	56	49	NE 3	br	4
Ardrossan ...	30.14	55	50	NW 1	bc	0	Yarmouth ...	30.00	55	50	NNW 4	br	4
Malin Head ...	30.20	51	50	N 4	c	4	Jersey ...	30.00	59	53	NE 4	o	4
Mullaghmore ...	30.22	53	49	NW 1	o	1	Rochefort ...	29.88	67	63	ENE 7	o	2
Belmullet ...	30.24	52	48	NE 3	o	4							

## GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Yesterday morning's reports showed that pressure was still highest to the westward and north-westward of our islands, whence a broad band of rather high readings extended south-eastwards across Germany and Austria to south-eastern Europe.

Over Russia and also over the Iberian Peninsula pressure was rather low. The NE<sup>ly</sup> and N<sup>ly</sup> winds consequently continued to blow over Northern and Western Europe and were accompanied by cold cloudy weather generally with frequent showers in France and the English Channel; in the south-east the weather was less unsettled and the wind light and variable. Temperature showed some recovery over Central Russia, being still highest (70° to 77°) over the Mediterranean, and lowest (34°) over Finland and Northern Russia. The inland stations over Western Europe were everywhere colder than those on the coast. The highest readings recorded were 80° at La Calle (Algeria), 76° at Malta, 75° at Brindisi and Barcelona, 73° at Sesima and 72° at Trieste; the lowest 33° at Haparanda and Uleaborg and 38° at Kuopio and Riga.

During the day the thermometer rose to between 76° and 78° over the south and south-west of France, and to 70° at Lisbon, but did not exceed 60° in any part of our islands and varied from 49° to 54° over the northern parts of Great Britain. Showers again fell except in the west of our islands, and last night the sheltered thermometer fell to 34° at Parsonstown and 37° at Berlin.

FOR THE 24 HOURS ENDING AT 8 AM. ON THE 22<sup>ND</sup> SEPTEMBER 1886.

The reports for Tuesday 21<sup>st</sup> September showed that, at 8 am pressure stood at a little above 29.9 ins both over Finland and the north of the British Islands, on the one hand, and over the south of Spain, Greece and the Black Sea on the other. Between these two regions the barometer readings were low, a band in which they were below 29.7 ins lying from the Bay of Biscay across the north of France and south of England, the Netherlands, Baltic Sea and the Baltic provinces of Russia. Within the band were two depressions, one lying off Ushant and the other over the eastern parts of Gothland. The gradients were moderate. Cold NE<sup>ly</sup> and N<sup>ly</sup> winds consequently prevailed over North-western Europe and the British Islands, with cold changeable weather, while varying SW<sup>ly</sup> winds were reported in Spain and France with showery weather and varying S<sup>ly</sup> breezes over Central and South-eastern Europe, with fine weather. Temperature varied from between 62° and 72° over the northern shores of the Mediterranean to a little above the freezing point over Northern Europe and Little Russia. The highest 8 am readings reported were 80° at Bilbao, 76° at Corunna, 75° in several parts of Algeria, 74° at Cagliari, Palermo and Brindisi, and 72° at Cetta and Langrimaire; the lowest, 34° at Kiev, 35° at Archangel, 36° at Haparanda, Uleaborg and Charkov.

In the course of the day a great deal of rain fell about the mouth of the Channel and in the south of France, and a little over North-western Europe, but in the west and north of our islands the weather remained dry and cold. Temperature rose to between 72° and 79° in the south of France and to 73° at Wiesbaden, but over England the maxima did not exceed 65° except in London, and in Scotland they varied from 50° to 54°. The wind in the United Kingdom remained NE<sup>ly</sup> and blew strongly as the depression near Ushant moved eastwards to Brittany.

## 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 25<sup>th</sup> September 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.		
		<i>In.</i>	<i>°</i>				<i>In.</i>	<i>In.</i>	<i>°</i>	<i>°</i>	<i>°</i>				<i>°</i>	<i>°</i>	<i>In.</i>		
SCANDINAVIA.	Haparanda ..	29.50	39	N	6	c	29.59	+16	37	35	0	N	6	bc	4	39	34	-	
	Hernösand ...	29.73	41	N	2	b	29.82	+16	40	36	-1	N	2	b	4	54	37	-	
	Stockholm ...	29.76	44	NW	2	o	29.80	+08	40	39	+1	NW	2	c	4	50	32	-	
	Wisby ...	29.73	48	N	4	o	29.75	+07	47	43	+2	NW	4	b	4	48	41	-	
	Bodö ...	29.81	44	N	2	b	29.86	+07	42	41	+1	NW	2	bc	4	45	39	-	
	Christiansund...	29.92	46	NW	2	o	29.95	+07	45	43	+1	S	1	o	2	46	39	0.12	
	Skudesnaes ...	29.89	47	NW	4	c	29.93	+04	46	45	-2	N	1	c	3	52	46	-	
	Christiania Fjord (Fjorder)	29.83	51	N	4	b	29.93	+09	45	41	-2	N	2	b	1	54	45	-	
	Skagen (The Scaw)	29.85	48	E	1	b	29.91	+08	50	46	+3	NW	2	bc	1	55	39	-	
	Fanö ...	29.90	46	N	1	b	29.89	-00	51	49	+7	NW	2	bc	4	54	43	0.16	
BRITISH ISLANDS.	Sumburgh Head	30.01	48	N	0	o	29.97	-03	47	45	+3	N	0	o	0	52	41	0.03	
	Stornoway ...	30.04	50	SW	3	a	29.92	-18	49	48	+3	S	4	b	4	53	44	0.04	
	Wick ...	30.04	58	NW	1	c	29.96	-09	49	47	+2	N	1	o	0	51	40	0.05	
	Nairn ...	30.07	50	N	0	c	29.99	-13	44	43	-3	N	0	b	0	51	36	-	
	Aberdeen...	30.07	49	NW	2	o	30.02	-08	46	44	-2	SW	1	bc	0	52	40	-	
	Leith ...	30.10	51	NW	1	o	30.01	-12	48	48	-1	S	1	om	4	54	46	-	
	Shields ...	30.10	51	N	1	o	30.05	-07	50	48	+1	SW	2	o	2	53	47	-	
	Spurn Head ..	30.10	54	NW	3	c	30.09	-03	52	50	+2	SW	2	ogm	3	54	47	-	
	York ...	30.13	51	NW	1	o	30.09	-05	48	47	0	SW	1	o	4	56	46	-	
	Loughborough	30.14	52	NW	2	o	30.11	-05	48	47	-1	N	0	ogm	4	57	47	-	
GERMANY.	Ardrossan ...	30.11	51	N	0	o	29.99	-16	51	48	0	SE	3	o	2	55	48	0.01	
	Malin Head ...	30.13	51	SW	3	c	29.89	-28	49	46	+1	S	4	n	3	53	43	0.01	
	Mullaghmore ...	30.10	52	S	2	o	29.89	-29	50	48	+1	SE	4	o	3	55	48	0.06	
	Belmullet ...	30.10	52	S	3	o	29.82	-37	51	50	+1	SE	2	om	4	56	50	0.20	
	Donaghadee ...	30.13	52	NW	1	c	29.98	-20	50	49	0	S	2	o	0	54	47	-	
	Barrow-in-Furness	30.14	52	NW	2	o	30.05	-10	51	48	+1	SE	4	o	4	55	49	0.03	
	Liverpool (Bilston)	30.15	52	NW	1	o	30.06	-09	50	46	-2	SE	2	o	3	55	48	0.01	
	Holyhead ...	30.16	51	N	1	o	30.02	-16	53	50	+1	SE	4	om	2	55	50	-	
	Parsonstown ...	30.16	51	N	0	o	29.93	-29	49	48	+2	SE	1	on	4	54	46	0.08	
	Valencia ...	30.12	54	SE	3	o	29.89	-33	57	57	+6	SE	5	n	5	58	50	0.25	
FRANCE & NETHERLANDS.	Roche's Point...	30.16	54	N	1	o	29.95	-26	56	55	+8	SW	5	n	4	56	46	0.28	
	Pembroke ...	30.16	54	S	1	c	30.05	-15	55	55	+5	SW	4	o	3	55	50	-	
	Scilly ...	30.20	51	NE	2	c	30.14	-06	54	50	+4	SW	1	o	2	59	48	-	
	Prawle Point ...	30.17	53	N	1	em	30.15	+01	54	50	+1	E	1	om	1	57	51	-	
	Jersey ...	30.17	53	N	1	em	30.15	+01	54	50	+1	E	1	om	1	57	51	-	
	Hurst Castle ...	30.17	53	NW	1	m	30.15	-02	52	50	+4	NE	2	mq	0	57	46	-	
	Dungeness ...	30.11	55	N	1	c	30.12	+02	50	47	+4	N	1	e	1	58	46	-	
	London ...	30.15	52	NW	1	og	30.14	-00	49	46	-1	N	0	og	4	56	47	-	
	Oxford ...	30.17	50	N	1	o	30.13	-05	49	46	+1	SW	1	o	4	57	48	-	
	Cambridge ...	30.15	51	N	1	o	30.13	-02	49	48	-2	N	1	o	4	58	47	-	
PENINSULA.	Yarmouth ...	30.10	53	NW	3	c	30.10	+03	50	47	-1	NW	2	ogm	4	59	46	0.01	
	Cuxhaven ...	29.89	52	N	2	bc	29.87	+08	53	?	+2	NW	3	n	4	55	50	0.18	
	Berlin ...	29.92	48	SW	1	b	29.96	+05	46	45	+4	N	0	n	4	57	?	0.04	
	Wiesbaden ...	?	?	?	?	?	30.13	+13	50	48	+2	NW	1	o	4	59	41	-	
	Munich ...	30.04	47	NW	2	c	30.16	+20	43	41	-3	NW	3	b	4	54	37	-	
	The Helder ...	30.04	53	NW	3	n	30.05	+06	53	49	+2	NW	3	o	3	55	52	0.12	
	Brussels ...	?	?	?	?	?	30.13	?	51	50	?	SW	1	m	4	58	48	0.04	
	Cape Gris Nez...	30.13	54	N	3	c	30.12	+07	54	49	+2	NW	3	o	2	59	52	-	
	Paris ...	30.12	57	N	3	bc	30.19	+10	41	41	-5	N	1	b	1	62	40	-	
	Brest ...	30.22	54	N	3	o	30.15	+03	56	50	+5	S	4	o	3	61	48	-	
PENINSULA.	Lorient ...	30.19	58	NE	5	o	30.19	+04	53	48	-1	E	1	o	1	63	46	-	
	Rochefort ...	30.17	60	NE	5	o	30.23	+12	51	49	0	ENE	4	b	2	70	46	-	
	Belfort ...	30.04	51	E	3	bc	30.13	+10	38	37	-6	E	3	b	4	58	34	-	
	Lyons ...	30.05	54	N	4	b	30.10	+15	48	44	-3	NW	5	b	4	61	45	-	
	Nice ...	29.64	68	NE	1	bc	29.82	+17	63	52	-3	E	4	b	4	73	55	-	
	Perpignan ...	29.93	64	NW	4	o	30.03	+17	59	49	-4	NW	5	b	4	72	50	-	
	Biarritz ...	30.08	63	N	7	c	30.13	+21	59	47	-8	E	5	b	1	66	46	-	
	Corunna ...	?	?	?	?	?	30.14	+21	62	55	+4	NE	5	bc	2	73	?	-	
	Lisbon ...	30.01	?	?	?	?	30.14	+21	62	55	+4	NE	5	bc	2	73	?	-	

For Explanation of Columns, see p. 4.

# WEATHER CHARTS

for 8 a.m. on Saturday, 25<sup>th</sup> September 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 —

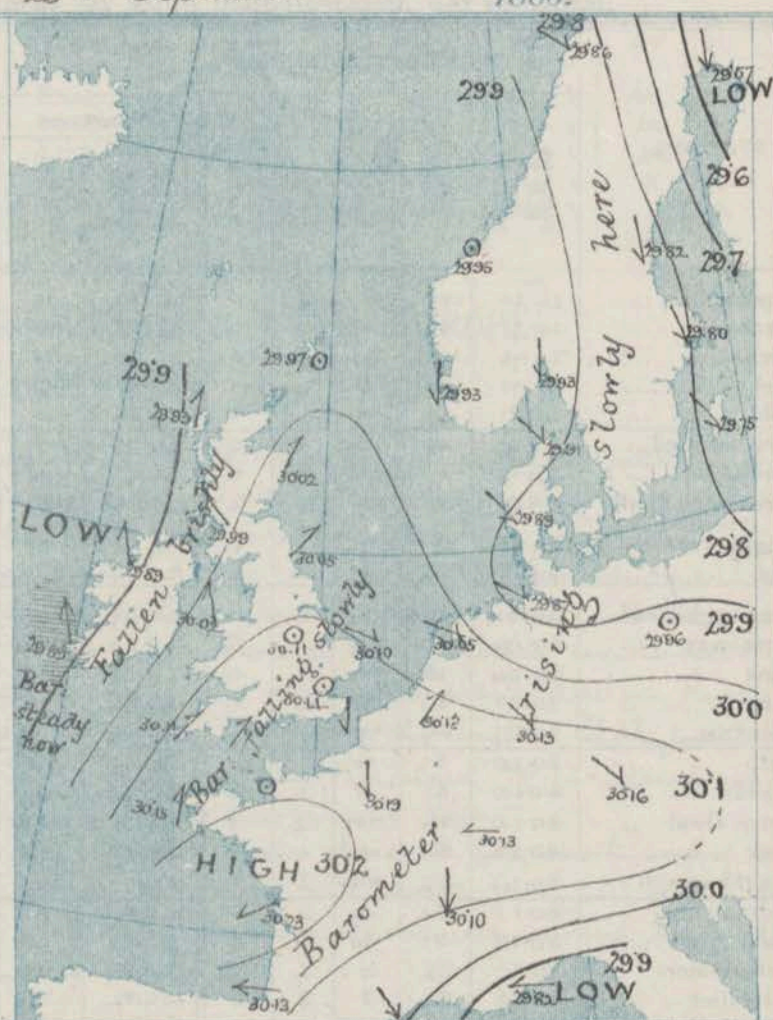
→ = forces above 10; → = forces 8 to 10;  
→ = forces 5 to 7; → = forces 1 to 4;  
○ = dead calm.

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

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head.	29.758
Stornoway.	29.781
Wick.	29.786
Nairn.	29.812
Aberdeen.	29.815
Leith.	29.851
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York.	29.913
Ardrossan.	29.868
Donaghadee.	29.875
Holyhead.	29.903
Liverpool.	29.910
Valencia.	29.929
Roches Point.	29.928
Pembroke.	29.924
Scilly.	29.960
Hurst Castle.	29.978
Dover.	29.955
LONDON.	29.956
Oxford.	29.943
Cambridge.	29.943
Yarmouth.	29.928



## 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.

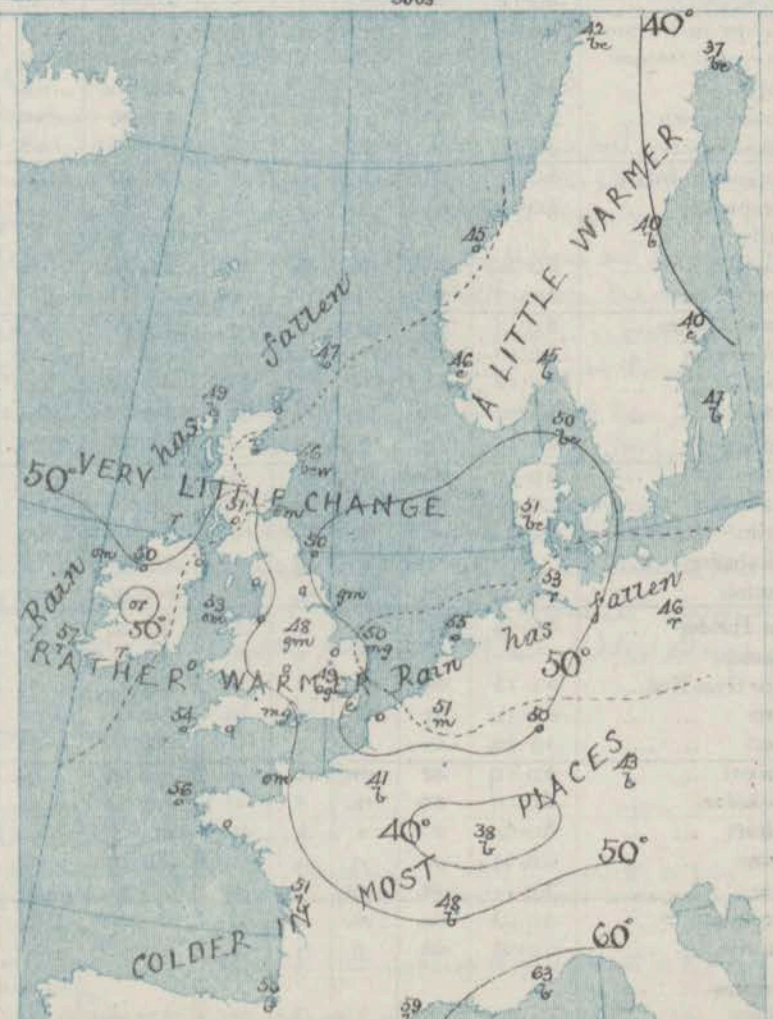
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.	At 8 p.m.	
Sumburgh Head.	55.2	46.2	50.6	49.0	3.46
Stornoway.	55.9	45.4	51.0	49.7	4.13
Wick.	57.5	46.3	51.6	49.7	2.66
Nairn.	59.0	47.0	51.3	48.8	2.73
Aberdeen.	58.0	47.1	52.0	49.6	3.22
Leith.	62.7	47.8	53.5	51.1	2.47
Shields.	60.0	49.0	53.4	51.2	2.58
York.	63.2	47.3	53.1	51.2	2.98
Ardrossan.	59.9	49.9	53.6	51.0	3.87
Donaghadee.	59.5	49.2	53.3	52.1	3.22
Holyhead.	61.1	53.1	55.6	53.4	3.35
Liverpool.	61.3	51.2	54.7	52.0	3.56
Valencia.	61.9	52.0	56.4	53.9	4.87
Roches Point.	62.0	51.7	55.4	53.2	4.39
Pembroke.	60.4	53.4	56.3	53.9	3.89
Scilly.	61.9	55.2	58.5	56.5	3.69
Hurst Castle.	64.4	52.9	57.8	56.3	3.35
Dover.	63.1	52.8	58.3	55.4	2.86
LONDON.	66.9	49.3	56.4	54.0	2.59
Oxford.	63.8	49.0	54.2	52.4	2.91
Cambridge.	65.8	48.5	54.5	52.9	2.48
Yarmouth.	62.3	50.8	56.3	54.4	3.17

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 the west of France, but relatively high over the whole of that country and also over Southern Germany. Lowest, 29.6 ins in the north of Sweden. Rising low on our extreme western coasts.
TEMPERATURE	{ Highest, 63° at Nice, 62° at Lisbon and 57° at Valencia. Lowest, 37° at Haparanda, 38° at Belfast and 44° at Nairn. Maximum readings yesterday below 60° over the whole of our islands.
WIND	{ Moderate to fresh from S or SE on our western coasts, light SWly in the east. Light or moderate from NW or N at most of the Continental stations.
WEATHER	{ Rainy in the south of Ireland and also in North Germany. Cloudy over the greater part of our islands. Fine in Scandinavia, Denmark, France and the east of Scotland.
SEA	{ Rather rough at Valencia, moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone which lay over our south-west coasts yesterday has moved southwards to the west of France, and depressions have begun to appear to the westward of our islands.

During the next twenty-four hours these disturbances are likely to move in a northerly or north-north-easterly direction, so that while increasing S.ly winds and unsettled rainy weather are probable in the west and north, moderate SW.ly breezes and fair weather may be expected to continue over our eastern and south-eastern districts.

## FORECASTS

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

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

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.89	51	48	W 6	c	4	Holyhead ...	30.18	55	51	W 1	p	-1
Sumburgh Head ...	30.00	50	46	W 1	o	1	Valencia ...	30.19	54	52	S 3	ov	3
Stornoway ...	30.08	51	50	SSW 8	o m	2	Scilly ...						
Aberdeen ...	30.09	52	47	W 3	o	1	Dungeness ...	30.11	56	51	NNE 2	bc	2
Shields ...	30.11	52	48	W 2	o	3	London ...	30.14	55	48	W 2	o	4
Ardrossan ...	30.12	54	49	W 1	o	2	Yarmouth ...	30.09	55	51	W 3	cq p	4
Malin Head ...	30.12	52	49	W 2	c	3	Jersey ...	30.16	55	49	NNE 2	o	2
Mullaghmore ...	30.15	54	49	SSW 2	o	2	Rocheport ...	30.14	57	59	NE 5	b	2
Belmullet ...	30.15	54	51	SW 2	c	-							

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

The reports for yesterday (Friday) showed that pressure at 8 am varied from 30.2 ins over the southern half of Ireland to about 29.8 ins over Austria, 29.6 ins over the south of Spain and to 29.3 ins over Finland — where a new and rather complex depression had appeared during the night. The wind was therefore N<sup>W</sup> and NW<sup>W</sup> over the Baltic and Gulf of Finland, N<sup>W</sup> to NE<sup>W</sup> over the Netherlands, France and the Iberian Peninsula and W<sup>W</sup> over Germany and Hungary. In the north of the British Islands the wind was backing from N towards W and SW. The weather was cloudy generally, with fog and showers in many places, particularly in the south of France and the Netherlands. Temperature varied from between 60° and 76° over the Mediterranean to between 40° and 45° in the west of Norway and the Shetlands, and to between 34° and 38° over Finland and the north-western part of Russia. The highest individual readings reported were 79° at Ifex (Algeria) 77° at Malta, 76° at Brindisi, 75° at Cagliari, 69° at Barcelona and 66° at Nice; the lowest 34° at Helsingfors, Riga and Warsaw, 37° at Haparanda, 39° at Stockholm and 46° at Christiansund, Janö, Sumburgh Head and Belfort (east of France).

During the day the wind lulled to a calm in Ireland and Scotland and some rain fell in the west and north, as well as in the south-east of the British Islands. Temperature rose to between 70° and 73° in the south-west of France, but did not exceed 62° at Paris nor 57° in London and at Berlin.

## ATLANTIC TELEGRAM.

The Chief Signal Officer at Washington U.S. reports that, on the 21<sup>st</sup> inst; in Lat: 46° N, Long: 51° W, the barometer at 4 am fell to 29.5 ins during a fresh gale, in which the wind veered from SW to NW.

## 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 26<sup>th</sup> September.

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 ...	29.71	32	N	2	b	29.77	+ .18	34	31	- 3	Z	0	b	+	43	30	-	
Hernösand ...	29.85	44	Z	0	b	29.91	+ .09	40	38	0	Z	0	b	+	54	36	-	
Stockholm ...	29.89	44	NW	2	b	29.93	+ .13	41	37	+ 1	NW	2	b	+	50	34	-	
Wishby ...	29.86	46	N	4	b	29.90	+ .15	48	43	+ 1	WNW	4	b	+	58	45	-	
Bodö ...	29.80	44	WSW	4	0	29.79	- .07	44	43	+ 2	WSW	4	+	2	45	41	0.12	
Christiansund ...	29.94	45	SW	1	b	29.95	0.00	46	45	+ 1	SSE	1	b	2	48	39	-	
Skudesnaes ...	29.95	47	Z	0	c	29.98	+ .05	48	45	+ 2	ENE	1	c	2	54	46	-	
Christiania Fjord (Fierder)	29.92	51	SW	2	b	29.93	0.00	48	48	+ 3	WSW	2	b	1	50	46	-	
Skagen (The Scaw)	29.94	46	N	1	b	29.97	+ .06	50	48	0	SW	3	0	2	57	45	-	
Fanö ...	30.04	45	Z	0	b	30.06	+ .17	49	48	- 2	SE	1	c	+	57	45	0.08	
BRITISH ISLANDS.																		
Sumburgh Head	29.92	48	SW	1	0	29.81	- .16	51	50	+ 4	SSE	2	0	3	53	45	0.06	
Stornoway ...	29.87	50	SSE	4	r	29.85	- .08	51	49	+ 2	W	5	bcp	4	53	47	0.10	
Wick ...	29.85	52	S	2	0	29.80	- .16	53	52	+ 4	W	2	c	0	57	48	-	
Nairn ...	29.85	51	Z	0	r	29.86	- .13	53	50	+ 9	WSW	2	c	1	55	42	0.01	
Aberdeen ...	29.92	52	S	3	0	29.87	- .15	52	51	+ 6	SW	1	b	1	57	45	0.03	
Leith ...	29.91	57	SE	1	r	29.92	- .09	53	51	+ 5	W	1	b	+	56	47	0.13	
Shields ...	29.97	52	SSW	3	0	29.92	- .13	53	52	+ 3	SW	2	bm	2	56	48	0.23	
Spurn Head ...	30.04	54	SSW	3	0	29.98	- .11	54	54	+ 2	SSW	4	omp	2	57	50	0.02	
York ...	30.03	52	S	1	0	29.99	- .10	55	54	+ 7	W	2	b	+	57	47	0.24	
Loughborough	30.04	54	S	2	0	30.02	- .09	55	54	+ 7	W	3	c	+	55	48	0.09	
Ardrossan ...	29.87	51	ESE	3	r	29.97	- .02	54	51	+ 3	WNW	3	b	2	55	49	0.09	
Malin Head ...	29.81	54	W	4	c	29.99	+ .10	52	49	+ 3	WNW	4	b	4	55	48	0.04	
Mullaghmore ...	29.86	55	WNW	4	c	30.04	+ .15	52	50	+ 2	SW	3	cp	3	61	50	0.06	
Belmullet ...	29.89	55	NW	2	b	30.06	+ .24	53	50	+ 2	SW	1	c	+	59	47	0.08	
Donaghadee ...	29.86	55	SW	2	r	30.02	+ .04	51	50	+ 1	SW	2	b	0	55	45	0.06	
Barrow-in-Furness	29.94	52	SE	6	r	29.99	- .06	53	52	+ 2	NW	2	b	3	54	50	0.13	
Liverpool (Bidston)	29.96	52	SE	2	0	30.02	- .04	54	52	+ 4	W	3	b	4	55	49	0.57	
Holyhead ...	29.92	54	SSW	3	0	30.06	+ .04	55	53	+ 2	WNW	3	c	2	56	51	0.51	
Parsonstown ...	29.88	56	SW	1	b	30.11	- .18	46	45	- 3	Z	0	b	+	60	43	0.17	
Valencia ...	29.95	56	NNW	3	c	30.14	+ .25	55	52	- 4	NW	1	0	1	63	50	0.26	
Roche's Point...	29.92	56	W	3	b	30.11	+ .16	57	48	- 5	WNW	3	b	3	58	48	0.18	
Pembroke ...	29.96	57	SSW	5	r	30.09	+ .04	55	53	0	NW	3	b	2	57	54	0.92	
Scilly ...																		
Prawle Point ...	30.09	57	SSW	4	0	30.09	- .05	56	55	+ 2	WNW	2	b	2	57	53	0.07	
Jersey ...	30.12	56	SW	2	0	30.12	- .03	57	55	+ 3	SW	3	omp	3	59	53	-	
Hurst Castle ...	30.10	56	SW	4	c	30.08	- .07	56	54	+ 4	SW	5	omp	2	60	51	0.13	
Dungeness ...	30.07	57	W	1	0	30.08	- .04	57	54	+ 7	SW	5	c	4	58	49	0.03	
London ...																		
Oxford ...	30.08	52	S	1	0	30.06	- .07	53	52	+ 4	SSW	1	or	+	58	49	0.18	
Cambridge ...	30.06	52	W	1	0	30.06	- .07	56	55	+ 7	SW	1	r	+	58	48	-	
Yarmouth ...	30.10	53	SSW	1	0	30.07	- .03	55	52	+ 5	SSW	3	c	3	58	49	-	
Cuxhaven ...	30.01	59	WNW	2	0	30.10	+ .23	53	52	0	SW	1	0	+	?	52	0.24	
Berlin ...	29.99	50	WNW	1	b	30.15	+ .19	46	43	0	WNW	1	b	+	57	41	-	
Wiesbaden ...	*	*	*	*	*	30.22	+ .19	57	49	+ 1	NW	1	0	+	57	48	-	
Munich ...	30.17	44	W	2	b	30.23	+ .07	43	41	0	SW	3	b	+	55	37	-	
FRANCE & NETHERLANDS.																		
The Helder ...	30.08	55	WNW	1	0	30.10	+ .05	53	51	- 2	SSW	1	0	1	55	50	-	
Brussels ...	*	*	*	*	*	30.16	+ .03	52	49	+ 1	SSW	1	f	+	57	50	-	
Cape Gris Nez...	30.11	53	S	1	0	30.12	- .00	53	50	- 1	SW	5	0	3	59	50	0.04	
Paris ...	30.17	57	N	1	b	30.20	+ .01	49	48	+ 8	SE	1	0	+	59	48	-	
Brest ...	30.11	59	SW	4	0	30.10	- .05	59	58	+ 3	SW	4	0	4	59	55	0.08	
Lorient ...	30.13	59	SE	4	0	30.14	- .05	61	57	+ 8	WSW	4	0	2	61	46	-	
Rochefort ...	30.22	60	ENE	3	0	30.23	0.00	65	?	+ 14	SE	4	c	2	72	46	-	
Belfort ...	30.13	53	E	3	b	30.19	+ .06	44	43	+ 6	E	3	b	+	58	35	-	
Lyons ...	30.16	54	NNW	3	b	30.22	+ .12	48	?	0	ESE	1	c	+	62	44	-	
Nice ...	29.95	63	SSW	1	b	30.09	+ .27	59	56	- 4	Z	0	c	+	73	55	-	
Perpignan ...	30.07	62	NW	3	b	30.17	+ .14	54	52	- 5	SW	1	0	+	69	48	-	
Biarritz ...	30.12	61	NE	3	0	30.19	+ .06	56	52	+ 6	S	1	c	0	66	48	-	
PENINSULA.																		
Corunna ...	*	*	*	*	*	30.21	+ .09	55	53	+ 4	ESE	3	b	3	68	50	-	
Lisbon ...	30.15	64	N	5	c	30.21	+ .07	62	60	0	NW	1	0	2	72	61	-	

For Explanation of Columns, see p. 4.

# WEATHER CHARTS

for 8 a.m. on SUNDAY 26<sup>TH</sup> SEPTEMBER 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 September.  
During the 10 Years 1871–1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.758
Stornoway	29.781
Wick	29.786
Nairn	29.812
Aberdeen	29.815
Leith	29.851
Shields	29.876
York	29.913
Ardrossan	29.858
Donaghadee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roche's Point	29.923
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.956
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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.

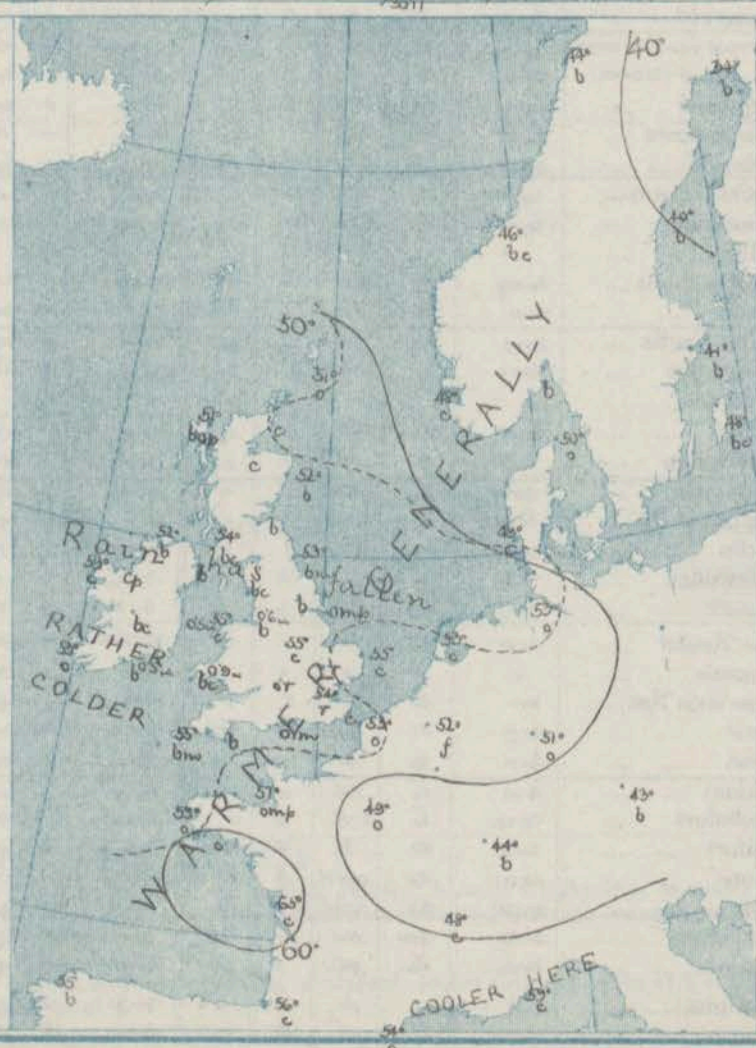
**Rainfall**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	
Sumburgh Head	55.2	40.2	50.6	49.0	3.46
Stornoway	55.9	45.4	51.0	49.7	4.13
Wick	57.5	45.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.73
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.8	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.5	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	66.9	49.3	56.4	51.0	2.59
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

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



# GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.2 ins. and upwards in anticyclonic systems lying over Germany, France and Spain.</p> <p>Lowest, 29.8 ins. and less in the north of Scandinavia and also to the northward of our Islands.</p> <p>Shallow depressions lying over the North Sea and south of England.</p>
TEMPERATURE	<p>Highest, 65° at Rochefort, 62° at Lisbon, and 59° at Nice.</p> <p>Lowest, 34° at Haparanda, 43° at Munich and 46° at Parosutorow.</p> <p>Maxima over our Islands <sup>yesterday</sup> again below 60° at most stations.</p>
WIND	<p>Light NW<sup>ly</sup> on our southwest, and some parts of our northwest coasts.</p> <p>Moderate SW<sup>ly</sup> or S<sup>ly</sup> in the east and southeast of Great Britain.</p> <p>SE<sup>ly</sup> in France. Variable in Germany.</p>
WEATHER	<p>Rainy in the south-east of England, and showery on our extreme northwest coasts.</p> <p>Fair or fine in all other parts of Western Europe.</p> <p>Since yesterday morning rain has fallen generally, the largest amounts being 0.9 in. at Lismore, 0.6 in. at Liverpool, and 0.5 in. at Holyhead &amp; Rochest.</p>
SEA	<p>Moderate to smooth.</p>

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past twenty-four hours some shallow depressions have advanced eastwards over our Islands. There are now passing away, and the barometer is rising again on our west and southwest coasts, while the wind there has veered to the NW<sup>ly</sup>. Conditions are, however, still very unsettled.

## FORECASTS

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

None issued

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.76	54	47	NW 4	c	3	Holyhead ...	29.97	54	53	SSW 3	rm	2
Sumburgh Head ...	29.94	48	47	SE 1	r	1	Valencia ...	29.91	61	59	NNW 3	bc	3
Stornoway ...	29.86	52	49	SSE 4	og	4	Scilly ...						
Aberdeen ...	29.96	54	50	S 4	bc	1	Dungeness ...	30.11	56	50	W 1	c	1
Shields ...	30.00	54	51	SSW 3	c	2	London ...	30.13	59	50	W 1	o	2
Androssan ...							Yarmouth ...	30.10	55	49	NE 2	c	3
Malin Head ...							Jersey ...						
Mullaghmore ...	29.82	60	57	WSW 4	c	3	Rocheport ...	30.22	74	61	NNE 3	c	1
Belmullet ...	29.84	59	56	W 2	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 reports for yesterday showed that at 8am pressure varied from between 30.1ins. and 30.2ins. over France and the Bay of Biscay to about 29.4ins. over Finland and to 29.8ins. both in the west of Ireland and over the Mediterranean. Over Northern Europe the barometer was rising, but over the British Isles it was falling owing to the approach of a depression from the Atlantic towards the Irish coast. Thus, while light N<sup>2</sup> and NW<sup>2</sup> winds prevailed over Northern Europe and Germany, with rather changeable weather, the wind over the United Kingdom had shifted to the southward, and was freshening in the west, with cloudy, but warmer weather, and rain. Over Southern Europe the conditions had become unsettled, and some rain fell in many places. Temperature was giving way decidedly in the south and south-east of Europe, as well as in many parts of Algeria, and varied from between 55° and 70° over the northern shores of the Mediterranean to very little above 35° over Finland, Russia, and Poland. The highest individual readings were 81° at Sfax and 77° at Biskra (Algeria) and 69° at Naples and Livorno. The reports from Brindisi and Cagliari are wanting. The lowest were 36° at Kuspio, 37° at Haparanda, 38° at Belfast and 44° at Nancy.

Later in the day the depression off the west of Ireland travelled northwards and the barometer rose over the British Islands, but rain fell at our western and northern stations (especially in the west), and though temperature rose to above 70° in the south and south-west of France, it did not reach 60° over the British Islands, as a whole, and over several of the eastern and central parts of France.

### ATLANTIC TELEGRAM.

The Chief Signal Officer at Washington, U.S. reports that on the 22<sup>nd</sup> Inst. in Lat: 45° N. Long: 55° W. the barometer at 6am fell to 29.8ins. during a fresh gale in which the wind veered from SW to NW.

### 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 27<sup>th</sup> September 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.	
				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	37	Z	0	o	29.87	+ .05	39	38	+ .5	E	2	o	4	43	27	—		
Hernösand ...	29.97	40	Z	0	b	29.93	+ .02	42	41	+ .2	Z	0	bc	2	54	32	—		
Stockholm ...	30.00	47	W	2	o	29.98	+ .05	47	43	+ .6	S	2	b	4	52	36	—		
Wisby ...	29.97	48	SSW	4	c	29.97	+ .07	51	50	+ .3	W	4	o	4	61	46	—		
Bodö ...	29.92	45	WNW	4	r	29.96	— .03	45	44	+ .1	ESE	1	r	1	48	43	0.32		
Christiansund...	29.93	44	Z	0	b	29.63	— .32	43	40	— .3	ESE	1	b	2	50	39	—		
Skudesnaes ...	29.91	50	ESE	2	r	29.71	— .27	54	51	+ .6	SSE	8	o	4	52	48	0.20		
Christiania Fjord (Færder) ..	29.98	49	W	2	b	29.94	— .09	48	48	0	W	2	f	2	52	48	0.16		
Skagen (The Scaw)	30.00	53	WNW	3	o	29.90	— .07	53	53	+ .3	W	3	o	3	55	50	0.08		
Fanö ...	30.03	57	S	4	o	29.98	— .08	57	53	+ .8	WSW	4	c	0	59	48	0.04		
BRITISH ISLANDS.																			
Sumburgh Head	29.80	52	W	1	r	29.24	— .57	50	50	— .1	S	4	r	4	56	49	0.45		
Stornoway ...	29.80	53	S	4	o	29.18	— .67	51	49	0	SW	6	bpq	5	58	49	0.63		
Wick ...	29.85	53	Z	0	bc	29.23	— .57	54	53	+ .1	SW	1	o	4	58	47	0.07		
Nairn ...	29.87	56	SSW	2	b	29.25	— .61	58	56	+ .5	SW	2	c	3	61	47	0.01		
Aberdeen...	29.92	55	S	1	b	29.35	— .52	54	53	+ .2	S	3	o	2	63	49	0.10		
Leith ...	29.97	52	W	1	bc	29.43	— .49	58	57	+ .5	SW	3	or	2	65	52	0.08		
Shields ...	30.02	55	W	2	b	29.59	— .33	53	52	0	SSW	4	or	2	61	48	0.05		
Spurn Head ...	30.07	57	WNW	2	b	29.81	— .17	54	53	0	S	5	rmq	3	60	50	0.03		
York ...	30.08	55	W	2	b	29.74	— .25	53	51	— .2	S	4	r	4	64	47	0.03		
Loughborough	30.11	55	SSW	1	b	29.88	— .14	55	51	0	SW	4	pq	4	65	46	—		
GERMANY.																			
Ardrossau ...	29.95	54	S	1	o	29.44	— .53	55	55	+ .1	WSW	5	r	4	61	49	0.27		
Malin Head ...	29.79	54	SSW	4	o	29.41	— .63	55	52	+ .3	W	5	c	5	59	50	0.10		
Mullaghmore ...	29.88	56	S	6	r	29.53	— .51	56	53	+ .4	WSW	7	ou	6	60	49	0.27		
Belmullet ...	29.81	55	S	7	r	29.56	— .50	55	51	+ .2	W	8	b	4	59	53	0.31		
Donaghadee ...	30.00	53	WSW	3	o	29.51	— .51	59	58	+ .8	WSW	4	o	2	63	50	0.59		
Barrow-in-Furness	30.08	54	WSW	3	b	29.60	— .39	58	57	+ .5	SSW	8	r	4	58	52	0.82		
Liverpool (Bidston)	30.10	53	W	1	b	29.72	— .30	58	57	+ .4	SSW	4	r	4	59	50	0.09		
Holyhead ...	30.10	59	SSW	2	o	29.68	— .38	58	58	+ .3	SSW	8	rmq	6	60	54	0.65		
Parsonstown ...	30.00	56	S	2	o	29.63	— .48	59	57	+ .13	SW	2	or	3	60	44	0.73		
Valencia ...	29.98	58	S	3	o	29.75	— .39	58	57	+ .5	WSW	6	og	5	62	52	0.52		
Roche's Point...	30.10	58	SW	4	o	29.74	— .37	59	59	+ .8	SW	4	rm	5	60	58	0.42		
Pembroke ...	30.15	55	SW	3	o	29.89	— .22	59	58	+ .4	SSW	6	rmq	6	59	53	0.03		
Scilly ...																			
Prawle Point ...	30.18	57	W	2	b	30.07	— .02	59	57	+ .3	SW	6	ouq	6	64	53	—		
Jersey ...	30.18	59	Z	0	bc	30.16	+ .04	58	56	+ .1	WSW	4	og	4	63	54	0.03		
Hurst Castle ...	30.15	60	WSW	4	bc	30.06	— .02	59	56	+ .3	SW	6	cg	3	67	54	0.05		
Dungeness ...	30.12	59	WSW	4	c	30.07	— .01	60	58	+ .3	WSW	5	o	3	62	48	0.05		
London ...	30.13	55	S	1	bc	30.03	— .04	57	55	+ .3	SW	4	o	4	62	52	0.04		
Oxford ...	30.16	51	NW	1	b	29.98	— .08	55	53	+ .2	SSW	5	ou	4	65	51	—		
Cambridge ...	30.15	55	SW	1	c	29.97	— .09	56	54	0	SSW	2	r	4	65	46	0.04		
Yarmouth ...	30.10	55	WSW	2	a	29.98	— .09	56	54	+ .1	SSW	3	c	3	61	50	0.08		
Cuxhaven ...	30.12	56	SW	2	c	30.04	— .06	53	51	0	SW	2	bc	4	56	50	—		
Berlin ...	30.23	52	Z	0	bc	30.25	+ .10	57	49	+ .5	SW	1	o	4	57	3	0.16		
Wiesbaden ...	*	*	*	*	*	30.34	+ .11	46	45	— .5	Z	0	b	4	61	41	—		
Munich ...	30.31	45	NE	2	b	30.37	+ .14	44	42	+ .1	SW	3	b	4	66	37	—		
FRANCE & NETHERLANDS.																			
The Helder ...	30.13	56	SW	3	r	30.05	— .05	56	55	+ .3	S	3	o	2	61	52	0.20		
Brussels ...	*	*	*	*	*	30.19	+ .03	53	51	+ .1	SW	1	o	4	62	49	—		
Cape Gris Nez...	30.17	56	WSW	5	o	30.11	— .01	59	57	+ .3	WSW	7	o	5	63	52	—		
Paris ...	30.24	55	S	1	c	30.27	+ .07	52	51	+ .3	SW	3	o	4	62	50	—		
Brest ...	30.23	57	N	4	bc	30.18	+ .08	60	58	+ .1	?WSW	5	o	4	63	55	—		
Lorient ...	30.21	63	WSW	5	bc	30.24	+ .10	61	57	0	W	5	c	2	70	54	—		
Rochefort ...	30.31	63	WSW	4	o	30.26	+ .13	64	60	— .1	WSW	4	bc	2	70	57	—		
Belfort ...	30.23	55	E	3	b	30.32	+ .13	39	37	— .5	ESE	3	b	4	58	35	—		
Lyons ...	30.26	57	NNE	1	b	30.35	+ .17	45	47	0	W	1	b	4	62	45	—		
Nice ...	30.16	61	SW	1	bc	30.26	+ .17	59	52	0	E	3	b	1	72	52	—		
Perpignan ...	30.23	65	N	3	b	30.34	+ .17	57	51	+ .3	NW	3	b	4	72	52	—		
Biarritz ...	30.31	63	N	3	b	30.36	+ .17	55	51	— .1	Z	0	b	0	68	52	—		
PENIN-SULA.																			
Corunna ...																			
Lisbon ...	30.22	67	NNW	5	b	30.28	+ .07	61	56	— .1	NNE	5	b	2	73	57	—		

For Explanation of Columns, see p. 4.

# WEATHER CHARTS

for 8 a.m. on MONDAY, 27<sup>th</sup> SEPTEMBER, 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.

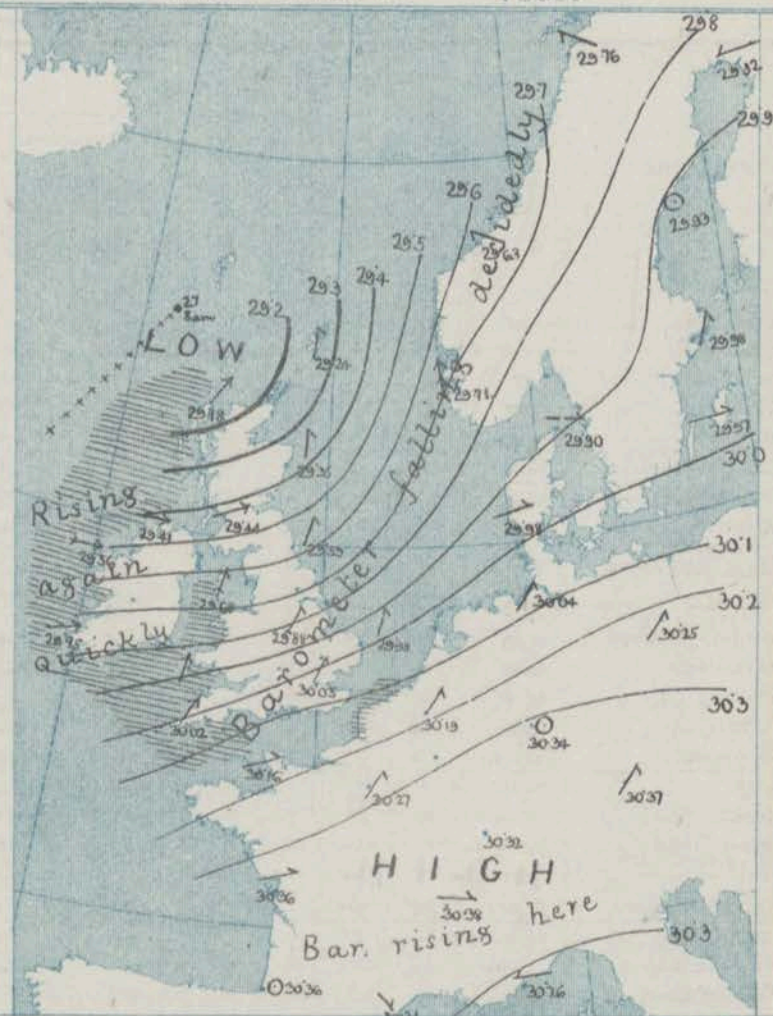
**Sea Disturbance**—where considerable is shown thus

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.755
Stornoway	29.781
Wick	29.786
Nairn	29.812
Aberdeen	29.815
Leith	29.851
Shields	29.876
York	29.913
Ardrossan	29.858
Donaghadee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roche's Point	29.923
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.973
Dover	29.955
LONDON	29.956
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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.

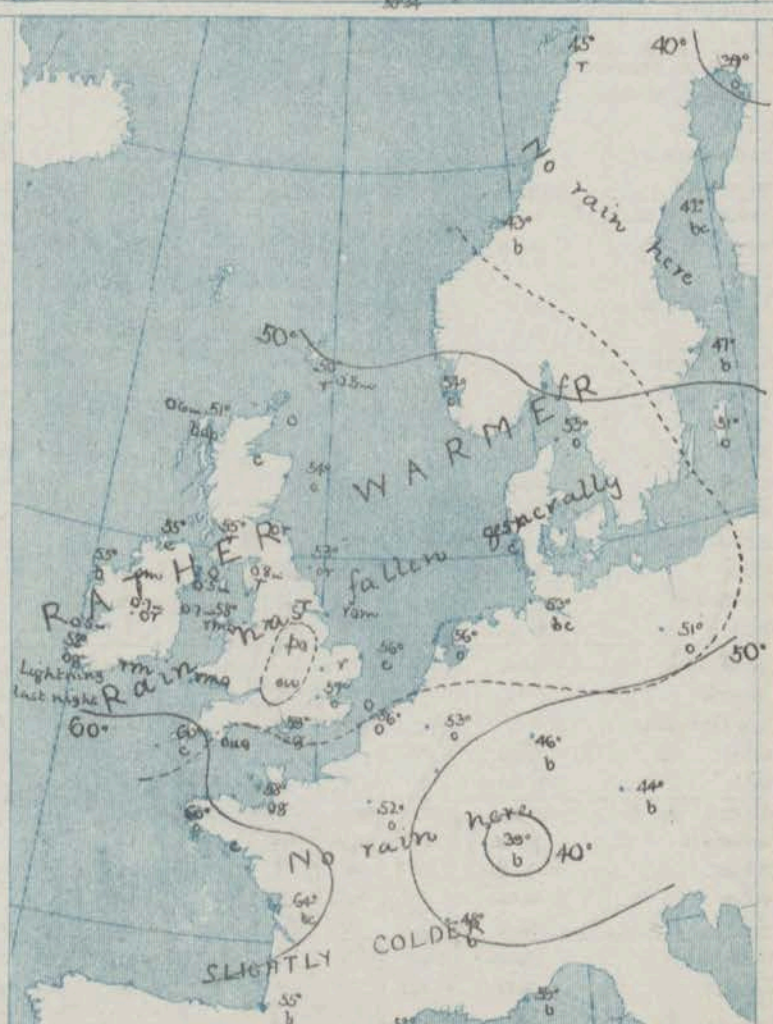
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet	
Sumburgh Head	55.2	46.2	50.6	49.0	3.46
Stornoway	55.9	45.4	51.0	49.7	4.13
Wick	57.5	45.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.73
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.5	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	66.9	49.3	56.4	54.0	2.59
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

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, 30.30 ins to 30.38 ins in a broad anticyclonic band, lying over south Germany, France and the north of Spain. Lowest, 29.20 ins (and less) off the north-west of Scotland. Gradients steep over British Isles; barometer now rising fast in Ireland.
TEMPERATURE	Highest, 60° to 64° in west of France and 58° to 60° over south of England. Lowest, 50° at Lumburgh Head, and 39° both at Haparanda and Belfast. Readings over south Germany and south-east of France are all low for their position.
WIND	S <sup>ly</sup> and SW <sup>ly</sup> over the United Kingdom - a gale in the west and north-west, strong breeze in the south, moderate in east and north-east. Light and variable over Sweden, Germany and the south of France.
WEATHER	Bull, squally and showery over the British Isles, especially in the west; cloudy over the North Sea, fine over Western and Central Europe and in Sweden. Lightning occurred in the west at night. In London <u>cirrus</u> clouds were seen last evening passing rapidly from N.
SEA	Rough in the south-west, west and north-west, slight elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

1. The depression in the north is passing northwards, apparently quickly, and the barometer is rising fast in Ireland, with a veering wind and some tendency to finer weather. The wind will, therefore, probably lull in the west shortly, and in the south and east later.
2. Pressure, however, remains high in the south and south-east, and it is probable that the present depression will be followed by others shortly. The signals are therefore allowed to remain up.

## FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW <sup>ly</sup> winds, fresh or strong, squally, some showers.	6 SCOTLAND WEST	SW <sup>ly</sup> and S <sup>ly</sup> winds, strong and squally to moderate; changeable, rain at times.
1 SCOTLAND EAST	----- D° ----- D°	7 ENGLAND N. W.	----- D° ----- D°
2 ENGLAND N. E.	SW <sup>ly</sup> winds, strong, unsettled, some rain.	8 ENGLAND S. W.	Same as N° 5.
3 ENGLAND EAST	----- D° ----- D°	9 IRELAND NORTH	Same as N° 6.
4 MIDLAND COUNTIES	----- D° ----- D°	10 IRELAND SOUTH	Same as N° 6.
5 ENGLAND SOUTH	SW <sup>ly</sup> winds, fresh, squally, showery.	WARNINGS	The S. cone was hoisted last evening in districts 0, 6, 7, 9, 10 and parts of 2 and 8.

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.98	52	46	ESE 4	0	2	Holyhead ...						
Sumburgh Head							Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Dungeness ...						
Shields ...							London ...						
Ardrossan ...							Yarmouth ...						
Malin Head ...							Jersey ...						
Mullaghmore ...							Rocheport ...	30.29	68	60	SW 4	c	2
Belmullet ...													

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

Yesterday morning's reports showed that pressure was high over the Western and Central parts of Europe, low in the north-east, and rather low in the north-west. In the north-east however, the barometer was rising, but in the north-west it was unsteady, and some shallow depressions were found off the north of Scotland and over the North Sea. Thus, while the winds over North-western Europe varied from S to W, moderate or light in force, and were accompanied by cloudy and rather unsettled weather, those at the more southern and Central stations were still lighter and more variable, but were accompanied by finer weather. Temperature had fallen greatly in Southern Europe and was very irregularly distributed. Over the northern half of the Mediterranean it varied, as a rule, from between 55° and 68°, and over the United Kingdom it ranged from 51° to 57°. Over Germany and Central France, however, it was much lower, while over Central Russia and Finland it was but little above the freezing point. The highest individual readings reported, were 76° at Brindisi, 72° at Cagliari and Malta, and 64° at Bilbao and Barcelona; the lowest 32° at Mleatoy and Kuopio, 33° at Moscow, 34° at Haparanda.

At Lemberg the temperature was 39°, at Hermannstadt 42°, at Munich 43° and at Belfast 44°.

Later on a large new depression began to approach Ireland from the south-westward and southward, and S<sup>ly</sup> gales set in over the western parts of the British Isles, with rain. Over Germany, France and the south-east of England the weather was fair. Temperature rose to between 68° and 72° over the south and west of France, but to very little above 60° over England.

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

FROM THE 19<sup>TH</sup> TO THE 25<sup>TH</sup> SEPTEMBER 1886.

The weather of the past week has remained dry over our eastern and midland counties, but cloud has been very prevalent, showers have fallen in the western and northern parts of the Kingdom, and somewhat heavy rain was experienced in the extreme south on Tuesday.

At the commencement of the week an area of high-pressure lay over Scotland, and on Tuesday a well-marked but somewhat shallow depression appeared off the mouth of the Channel, occasioning strong NE<sup>ly</sup> and E<sup>ly</sup> winds over the whole of Ireland and England, and the heavy rain noticed above.

In the course of Wednesday the depression filled up over Brittany, and with its dispersal the high-pressure system in the north spread down our west coasts, while the wind moderated and backed to N and NW generally. The shift of wind was accompanied by a decided fall of temperature, and on Thursday and Friday the maximum readings over our islands were below 60° in almost all places.

By Saturday morning the anticyclonic system had reached the west of France, and the winds over our islands now backed to SW or S generally. Later in the day some shallow depressions advanced over us in an easterly direction, and in the course of the evening or night rain fell over the whole Kingdom. At the close of the week temperature was rising and conditions were becoming mild, unsettled and showery.

## 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 Tuesday 28<sup>th</sup> SEPT<sup>r</sup>

1886.

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

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STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.			Weather.	BAROMETR.		SHADE TEMP.			WIND.			Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.		
SCANDINAVIA.																			
Haparanda ..	29.79	36	E	2	o	29.56	—	26	39	38	0	ENE	4	r	4	41	34	—	
Hernösand ...	29.64	45	S	4	r	29.19	—	74	48	48	+	6	SSW	6	r	4	54	37	0.28
Stockholm ...	29.75	53	SSE	2	c	29.27	—	71	51	50	+	4	SSW	2	r	4	55	43	0.28
Wisby ...	29.84	56	S	6	c	29.36	—	61	54	53	+	3	WSW	4	r	4	59	?	0.55
Bodö ...	29.46	50	ENE	3	b	29.23	—	53	46	43	+	1	ENE	4	c	5	50	39	0.08
Christiansund...	29.15	51	ESE	2	bc	29.13	—	50	48	45	+	5	ESE	1	b	3	54	?	0.16
Skudesnaes ...	29.32	53	W	6	o	29.35	—	36	53	49	—	1	WSW	8	r	6	54	52	0.98
Christiania Fjord (Furder)	29.41	53	SSE	8	r	29.34	—	30	53	48	+	5	WSW	8	b	4	55	?	0.12
Skagen (The Scaw)	29.43	53	SW	6	r	29.43	—	47	52	49	—	1	WNW	4	c	3	57	50	0.32
Fanö ...	29.55	58	SW	6	r	29.63	—	35	54	50	—	3	WSW	6	c	4	59	52	0.37
Sumburgh Head	29.17	51	WSW	4	c	29.12	—	12	50	46	0	WSW	7	o	6	54	48	0.46	
Stornoway ...	29.18	50	SW	7	bphr	29.40	+	22	50	47	—	1	WSW	8	bcg	6	56	45	0.27
Wick ...	29.25	50	W	5	b	29.33	+	10	51	49	—	3	W	7	b	1	58	45	0.05
Nairn ...	29.33	48	WNW	4	r	29.48	+	23	58	47	—	8	WSW	3	cp	3	59	45	0.36
Aberdeen...	29.40	52	WSW	2	b	29.53	+	18	53	47	—	1	W	6	bcg	1	64	45	—
Leith ...	29.52	54	W	4	b	29.68	+	25	52	49	—	6	W	5	bc	4	60	48	0.16
Shields ...	29.60	54	WSW	4	m	29.79	+	30	54	51	+	1	WSW	5	b	2	64	50	—
Spurn Head ...	29.60	57	W	4	bc	29.95	+	14	51	50	—	3	WSW	5	bc	3	63	48	0.06
York ...	29.69	57	W	4	b	29.92	+	18	51	50	+	1	W	3	bc	4	63	49	0.05
Loughborough	29.77	57	WSW	3	c	30.02	+	14	52	49	—	3	WSW	3	c	4	62	48	0.16
BRITISH ISLANDS.																			
Ardrossan ...	29.56	57	WSW	5	bpg	29.76	+	32	52	50	—	3	WSW	6	opg	5	57	50	0.04
Malin Head ...	29.53	53	W	6	c	29.72	+	31	50	49	—	5	WNW	6	bc	6	57	45	0.28
Mullaghmore ...	29.68	55	WSW	8	c	29.88	+	35	53	51	—	3	WSW	7	bcg	6	59	50	0.11
Belmullet ...	29.71	55	W	7	bc	29.91	+	35	54	50	—	1	W	7	o	4	57	51	0.04
Donaghadee ...	29.66	52	NW	5	c	29.91	+	40	49	48	—	10	W	4	o	2	60	46	0.11
Barrow-in-Furness	29.70	55	WSW	5	b	29.87	+	27	52	50	—	6	SW	6	bc	4	59	52	0.26
Liverpool (Bidston)	29.74	56	WSW	6	b	29.96	+	24	54	50	—	4	WSW	6	b	5	63	51	0.13
Holyhead ...	29.79	55	WSW	5	bcg	30.01	+	33	55	52	—	3	WSW	5	cg	5	60	52	0.14
Parsonstown ...	29.82	54	SW	1	b	30.01	+	38	51	49	—	8	SW	1	cg	4	60	48	0.05
Valencia ...	29.92	56	W	5	bc	30.14	+	29	56	55	—	2	SW	3	omv	3	62	53	—
Roche's Point...	29.90	57	W	4	b	30.06	+	32	54	52	—	5	WSW	2	o	3	61	50	—
Pembroke ...	29.88	58	W	6	bc	30.10	+	23	57	53	—	2	WNW	5	bcg	6	59	56	0.19
Scilly ...																			
Prawle Point ...	29.97	59	WSW	6	r	30.19	+	12	55	53	—	4	W	3	bc	4	60	52	0.48
Jersey ...	30.10	63	WSW	5	ogm	30.22	+	06	59	57	+	1	WNW	3	c	3	68	56	0.17
Hurst Castle ...	29.96	60	SW	8	rgm	30.17	+	11	57	55	—	2	WNW	5	bc	4	61	54	0.33
Dungeness ...	29.92	62	WSW	6	o	30.11	+	04	56	54	—	4	WNW	4	bc	4	62	54	0.24
London ...	29.89	59	SW	5	opg	30.13	+	10	55	52	—	2	WSW	3	bc	4	63	49	0.24
Oxford ...	29.89	57	SW	5	o	30.11	+	13	51	49	—	4	SW	3	b	4	61	49	0.13
Cambridge ...	29.86	58	SW	3	r	30.09	+	12	50	50	—	3	SW	3	b	4	62	46	0.15
Yarmouth ...	29.79	59	WSW	5	rg	30.01	+	03	51	49	—	5	W	4	bc	3	63	47	0.08
Cuxhaven ...	29.87	50	SW	8	r	29.74	—	30	54	53	+	1	W	6	bc	4	57	50	0.92
Berlin ...	30.08	56	SW	2	o	29.86	—	39	57	55	+	6	W	2	r	4	63	?	—
Wiesbaden ...	*	*	*	*	*	30.11	—	23	60	57	+	14	SW	4	r	4	66	?	—
Munich ...	30.34	46	NW	1	b	30.29	—	08	56	49	+	12	SW	5	o	4	59	?	—
FRANCE & NETHERLANDS.																			
The Helder ...	29.78	59	SW	9	r	29.94	—	11	57	52	+	1	W	7	c	5	61	55	0.39
Brussels ...	*	*	*	*	*	30.12	—	07	56	54	+	3	WSW	1	o	4	64	54	0.28
Cape Gris Nez...	29.95	62	WSW	8	o	30.12	+	01	57	54	+	1	W	8	o	7	63	55	0.39
Paris ...	30.17	65	SSW	4	c	30.23	—	04	60	59	+	8	SSW	3	o	4	70	59	—
Brest ...	30.15	61	WSW	5	o	30.24	+	06	58	58	—	2	?	3	m	5	63	57	—
Lorient ...	30.24	64	WSW	7	c	30.26	+	02	63	63	+	2	W	5	r	3	70	55	—
Rochefort ...	30.36	67	SW	5	bc	30.36	+	00	64	62	+	0	SW	4	b	2	70	59	—
Belfort ...	30.43	57	W	2	b	30.30	+	01	58	48	+	11	W	3	c	4	61	57	—
Lyons ...	30.36	60	E	1	b	30.45	+	07	48	46	0	WNW	1	b	4	67	46	—	
Nice ...	30.32	61	E	3	b	30.38	+	12	59	53	0	E	3	b	1	70	52	—	
Perpignan ...	30.34	60	SE	1	b	30.43	+	09	51	49	—	6	E	3	b	4	77	47	—
Biarritz ...	30.35	66	ENE	1	b	30.40	+	04	63	54	+	8	L	0	b	0	73	54	—
PENINSULA.																			
Corunna ...	*	*	*	*	*	30.38	+	08	57	57	+	3	ENE	1	b	4	72	54	—
Lisbon ...	30.34	74	N	5	bc	30.32	+	04	64	57	+	3	NE	5	b	2	81	61	—

For Explanation of Columns, see p. 4.

# WEATHER

for 8 a.m. on

Tuesday

# CHARTS

28<sup>th</sup> September

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 —

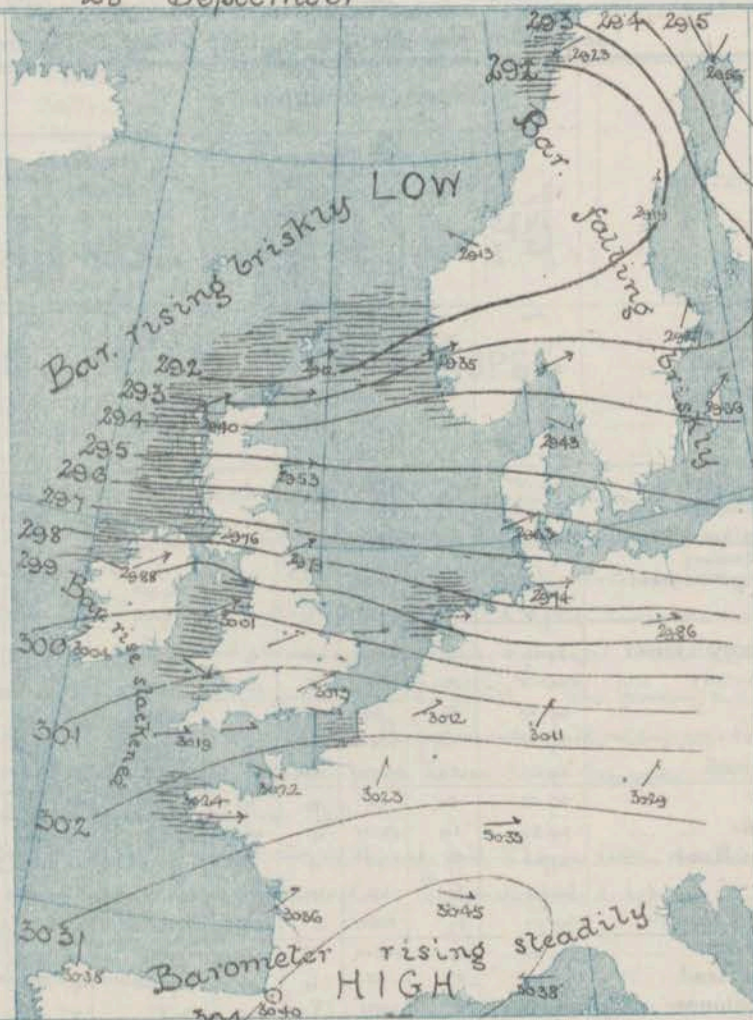
→ = forces above 10; → = forces 8 to 10;  
 → = forces 5 to 7; → = forces 1 to 4;  
 ○ = dead calm.

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

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.758
Stornoway	29.781
Wick	29.788
Nairn	29.812
Aberdeen	29.815
Leith	29.851
Shields	29.876
York	29.913
Ardrossan	29.858
Donaghadee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roche's Point	29.923
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.956
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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.

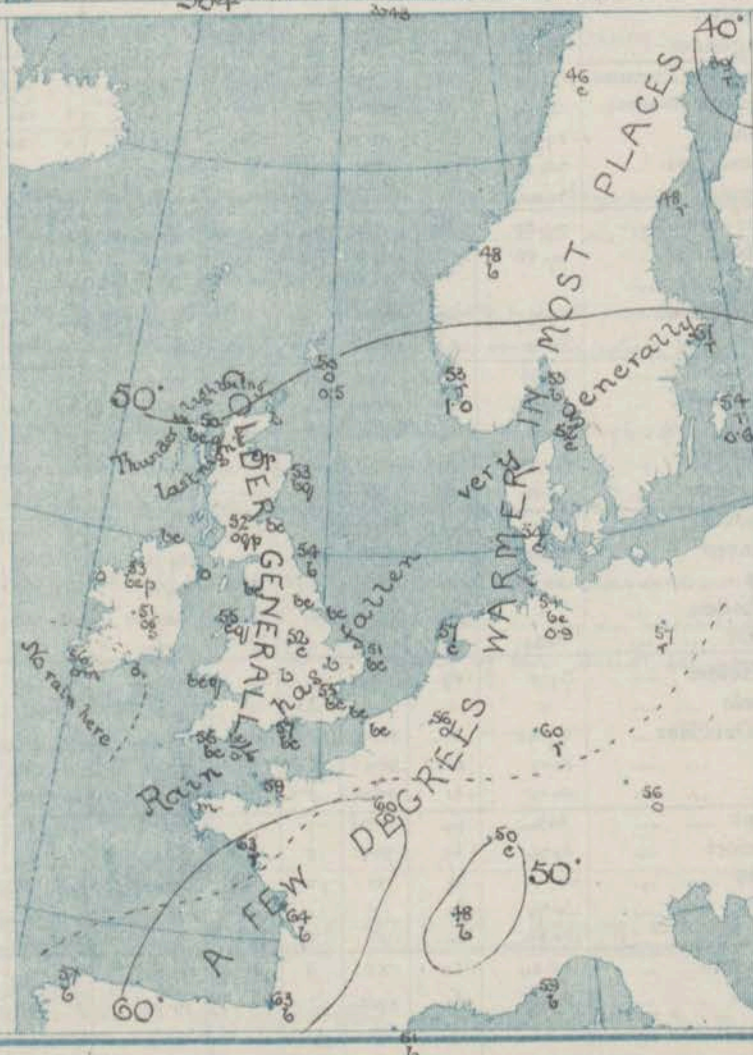
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Samburgh Head	55.2	46.2	50.6	49.0	3.46
Stornoway	55.9	45.4	51.0	49.7	4.13
Wick	57.5	45.8	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.73
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.5	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	66.9	49.3	56.4	54.0	2.59
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

Note — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 30 years 1866—86



# GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.4 ins and upwards over the south of France. Lowest, 29.2 ins or less in a large area of low-pressure lying to the northward of our islands and over the west of Norway. Gradients for W <sup>ly</sup> winds, steep over our northern districts.
TEMPERATURE	Highest, 64° at Rochefort and Lisbon, 63° at Brest and Biarritz and 60° at Wiesbaden Lowest, 39° at Haparanda, 46° at Røds and 49° at Dougladze.
WIND	E <sup>ly</sup> or NE <sup>ly</sup> in the north of Scandinavia. SW <sup>ly</sup> or W <sup>ly</sup> in all other parts of Western Europe; strong to a gale on our northern coast. Fresh or strong gales were experienced yesterday in the north-west of our islands and also over the eastern part of the Channel.
WEATHER	Rainy in Sweden and Germany, showery at some of our own northern stations dull in the south of Ireland. Fair or fine elsewhere. Rain fell generally yesterday, lightning was seen in Scotland and thunder occurred at Stormway.
SEA	Rough on our north-western and extreme northern coasts, as well as at Penzance. Moderate in the Channel. Slight off the east of England.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large and deep depression which lay to the north-westward of Scotland yesterday has continued to travel in a north-easterly direction and has now reached the west of Norway.

The following changes, however, seem to indicate that a new disturbance — probably of a subsidiary character — is approaching our south-west coast:—

1. At Valencia the barometric rise has slackened greatly since 10 pm, while the wind has backed to south-west.
2. In the south and west of Ireland a decided increase of cloud has set in.
3. In London cirrus cloud has begun to move very quickly from the westward.

The advancing system will probably pass across our more southern districts and occasion a considerable increase of wind over the Channel.

## FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	Strong W <sup>ly</sup> winds, moderating and backing later, unsettled, some showers	6 { SCOTLAND WEST	Same as N° 0.
1 { SCOTLAND EAST	----- D° ----- D°	7 { ENGLAND N. W.	SW <sup>ly</sup> and S <sup>ly</sup> winds, strong; fair to squally and rainy.
2 { ENGLAND N. E.	Same as N° 5.	8 { ENGLAND S. W.	W <sup>ly</sup> to SW <sup>ly</sup> and S <sup>ly</sup> winds, increasing in force, fair to squally and rainy.
3 { ENGLAND EAST	Same as N° 5.	9 { IRELAND NORTH	Same as N° 0.
4 { MIDLAND COUNTIES	Same as N° 5.	10 { IRELAND SOUTH	SW <sup>ly</sup> and S <sup>ly</sup> winds, increasing in force; squally, rainy.
5 { ENGLAND SOUTH	SW <sup>ly</sup> and W <sup>ly</sup> winds, moderate to S <sup>ly</sup> strong, fine to squally and rainy.	WARNINGS	
		The S. cone is still up in districts 0, 1, 6, 7, 9, 10, and parts of 2 and 8.	

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.44	53	51	SSE	9	r	-5	Holyhead ...	29.81	59	57	WSW	4	c	4
Sumburgh Head ...	29.17	53	49	WSW	3	c	4	Valencia ...	29.87	60	50	W	5	bc	5
Stornoway ...	29.20	55	50	SH	7	bpg	6	Scilly ...	...	...	...	...	...	...	...
Aberdeen ...	29.35	59	50	W	4	b	1	Dungeness ...	29.49	61	59	WSW	5	o	4
Shields ...	29.53	57	57	WSW	4	c	2	London ...	29.94	62	58	SW	5	og	4
Ardrossan ...	29.57	57	52	WSW	5	b	4	Yarmouth ...	29.86	59	59	SW	5	og	4
Malin Head ...	29.57	54	50	W	6	bc	6	Jersey ...	30.11	67	61	SW	5	bc	4
Mullaghmore ...	29.64	57	51	W	7	bc	6	Rochefort ...	30.38	70	63	SW	7	c	2
Belmullet ...	29.67	57	50	W	9	bog	4								

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

The reports for yesterday showed that a large elongated anticyclone covered the whole of South-western Western and Central Europe, while a large and rather deep depression had advanced to the north-west of the British Isles. Readings varied from between 30.3 ins and 30.4 ins over France, Germany and Hungary to about 29.1 ins off the north of Scotland. SW<sup>ly</sup> and S<sup>ly</sup> winds prevailed over the whole of North-western Europe, and blew a hard gale in the west and north-west of the British Islands and a strong breeze in the south: these winds were accompanied by very mild weather and much rain. Over Central and Southern Europe the wind was light and variable, the air was cold and the weather fine while in Algeria thunderstorms were prevalent and the wind was mainly W<sup>ly</sup>. Temperature varied from between 57° and 62° at most places on the northern shores of the Mediterranean and Adriatic to several degrees below the freezing point over Central Russia; and over the British Isles and North Sea the thermometer was still much higher than over Central Europe. The highest readings reported were 75° at Algiers, 73° at Brindisi, 72° at Malta, 71° at Barcelona and 60° at Trieste and Toulon; the lowest 25° at Moscow, 33° at Helsingfors and 36° at Uleaborg.

During the day the gale and rain in the north-west spread rather more than over the British Isles, but veered and lulled in the west. Temperature rose to between 70° and 77° in the south and west of France and at Paris, and to 64° at Aberdeen and Shields, but did not exceed 63° 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 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 29<sup>th</sup> September 1886.  
 Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

Issued by the Meteorological Office, No. 1, Pall Mall, London, W.																			
STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.31	42	SE	4	r	29.24	-.22	45	44	+.6	E	2	c	+	?	34	0.12	
	Hernösand ...	29.06	46	SSE	4	r	29.21	+.02	46	44	-.2	NW	2	c	+	50	45	0.28	
	Stockholm ...	29.31	51	W	4	b	29.41	+.14	45	43	-.3	WSW	4	b	+	59	45	—	
	Wisby ...	29.43	53	W	6	b	29.47	+.11	51	47	-.3	W	8	b	+	59	50	0.04	
	Bodö ...	29.17	46	ENE	6	o	29.25	+.02	46	44	0	E	2	c	1	48	43	0.04	
	Christiansund...	29.14	50	SW	4	b	29.49	+.06	49	45	+.1	SW	4	r	5	52	45	—	
	Skudesnaes ...	29.50	52	W	8	o	29.61	+.26	56	48	-.2	W	6	o	6	54	50	0.24	
	Christiania Fjord (Fjorder)	29.43	51	WSW	8	b	29.49	+.15	53	48	0	WSW	8	b	6	55	?	—	
	Skagen (The Scaw)																		
	Faenö ...	29.82	54	W	6	b	29.80	+.17	55	52	+.1	W	4	c	3	59	52	0.08	
BRITISH ISLANDS.	Sumburgh Head	29.26	50	W	8	c	29.28	+.40	49	47	-.1	W	4	c	6	51	46	0.05	
	Stornoway ...	29.59	49	WSW	6	b	29.63	+.23	48	47	-.2	W	0	om	0	53	43	—	
	Wick ...	29.80	48	W	8	b	29.63	+.30	50	47	-.1	W	1	o	0	56	43	—	
	Nairn ...	29.62	50	WSW	3	b	29.66	+.18	49	46	-.1	WSW	1	c	1	58	33	0.06	
	Aberdeen...	29.66	53	WSW	5	b	29.69	+.16	49	46	-.4	WSW	1	o	1	59	46	—	
	Leith ...	29.78	51	W	4	b	29.72	+.04	48	48	-.4	SSE	1	rm	2	59	47	0.26	
	Shields ...	29.88	54	SW	3	o	29.72	-.07	52	52	-.2	ENE	2	r	2	59	49	0.19	
	Spurn Head ...	29.98	57	SW	4	c	29.85	-.10	60	59	+.9	SW	4	b	3	61	50	0.07	
	York ...	29.98	56	W	2	c	29.80	-.12	62	59	+.8	WSW	3	o	2	62	48	0.08	
	Loughborough	30.04	55	SW	1	r	29.91	-.11	62	60	+.10	SW	4	o	2	63	52	0.02	
GERMANY.	Ardrossan ...	29.83	54	WSW	4	op	29.65	-.11	49	49	-.3	ENE	2	rm	1	55	48	0.31	
	Malin Head ...	29.81	53	W	5	p	29.82	-.20	57	54	+.7	SSW	5	r	5	57	47	0.69	
	Mullaghmore ...	29.85	50	SSW	2	j	29.62	-.26	60	59	+.7	SSW	5	og	5	60	49	0.53	
	Belmullet ...	29.84	51	SE	2	r	29.59	-.32	59	58	+.5	SW	9	r	2	59	50	0.57	
	Donaghadee ...	29.90	50	W	2	o	29.69	-.22	60	60	+.11	SW	4	o	2	60	49	0.44	
	Barrow-in-Farness	29.91	44	SW	3	r	29.77	-.10	59	58	+.7	SW	6	o	6	59	50	0.21	
	Liverpool (Bidston)	29.98	50	SW	1	o	29.85	-.11	61	58	+.7	SW	4	o	4	62	50	0.09	
	Holyhead ...	29.95	52	SSW	4	rm	29.85	-.16	59	58	+.4	SSW	5	ogm	5	59	52	0.15	
	Parsonstown ...	29.86	51	W	0	r	29.78	-.23	62	58	+.11	SSW	2	o	2	62	50	0.20	
	Valencia ...	29.88	61	SW	6	omg	29.80	-.24	61	60	+.5	SSW	8	o	7	62	54	0.09	
FRANCE & NETHERLANDS.	Roche's Point...	29.92	62	WSW	5	r	29.89	-.17	61	59	+.7	WSW	4	c	4	62	54	0.18	
	Pembroke ...	29.97	59	SW	7	r	29.96	-.14	60	59	+.3	SW	6	c	7	60	55	0.08	
	Scilly ...																		
	Prawle Point ...	30.13	60	WSW	4	f	30.12	-.07	60	59	+.5	WSW	5	f	5	61	55	0.04	
	Jersey ...	30.21	62	SW	3	ogm	30.18	-.04	61	61	+.2	SW	4	og	4	64	58	0.03	
	Hurst Castle ...	30.13	60	WSW	5	c	30.10	-.07	60	60	+.3	WSW	7	and	4	63	56	0.02	
	Dungeness ...	30.14	60	W	5	c	30.07	-.04	61	60	+.5	W	6	r	4	64	56	0.04	
	London ...	30.10	59	SW	2	c	30.05	-.08	62	60	+.7	WSW	3	o	2	64	49	—	
	Oxford ...	30.04	57	SW	4	o	30.02	-.09	61	60	+.10	SW	4	c	2	63	51	0.02	
	Cambridge ...	30.06	59	SW	2	r	29.97	-.12	63	61	+.10	SW	2	o	2	63	45	0.02	
PENINSULA.	Yarmouth ...	30.04	57	WSW	1	b	29.95	-.06	62	60	+.11	WSW	5	og	3	62	50	—	
	Cuxhaven ...	29.98	55	WSW	6	o	29.90	+.16	55	54	+.1	SW	2	f	2	59	52	0.20	
	Berlin ...	30.02	56	W	2	b	30.02	+.16	52	51	-.5	WSW	2	r	2	63	52	0.04	
	Wiesbaden ...	*	*	*	*	*	30.20	+.09	63	60	+.3	SW	4	o	2	66	54	0.04	
	Munich ...	30.37	56	W	0	o	30.23	+.04	63	56	+.7	SW	6	o	2	64	55	—	
	The Helder ...	*	*	*	*	*	30.11	-.01	64	62	+.8	WSW	3	o	2	65	50	—	
	Brussels ...	*	*	*	*	*	30.06	-.06	62	60	+.5	WSW	8	o	6	63	55	0.04	
	Cape Gris Nez...	30.06	59	WSW	8	o	30.06	-.06	62	60	+.5	WSW	8	o	6	63	55	0.04	
	Paris ...	30.28	62	SW	1	r	30.26	+.03	63	60	+.3	SW	3	c	2	7	46	0.08	
	Brest ...	30.25	61	WSW	5	f	30.21	-.03	59	57	+.1	WSW	5	m	5	63	57	—	

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

# WEATHER

# CHARTS

for 8 a.m. on Wednesday 29<sup>th</sup> September 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.

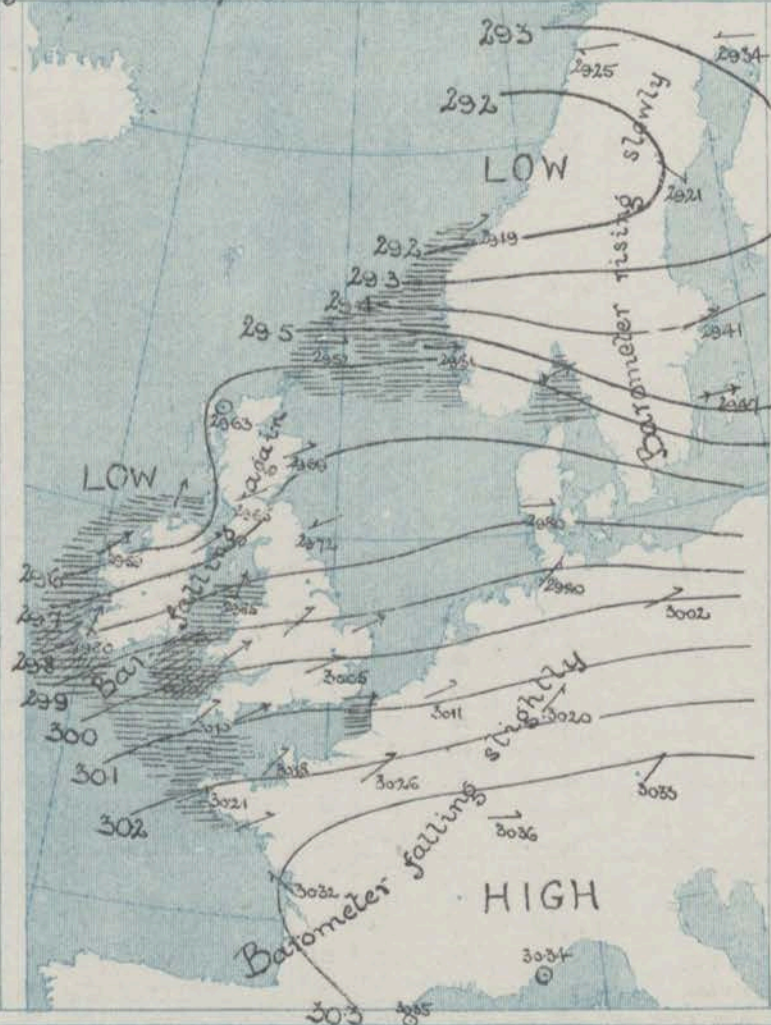
**Sea Disturbance**—where considerable is shown thus

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Samburgh Head	29.758
Stornoway	29.781
Wick	29.786
Nairn	29.812
Aberdeen	29.815
Leith	29.851
Shields	29.876
York	29.913
Ardrossan	29.858
Donaghadee	29.875
Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roche's Point	29.923
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.978
Dover	29.955
LONDON	29.956
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



## 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.

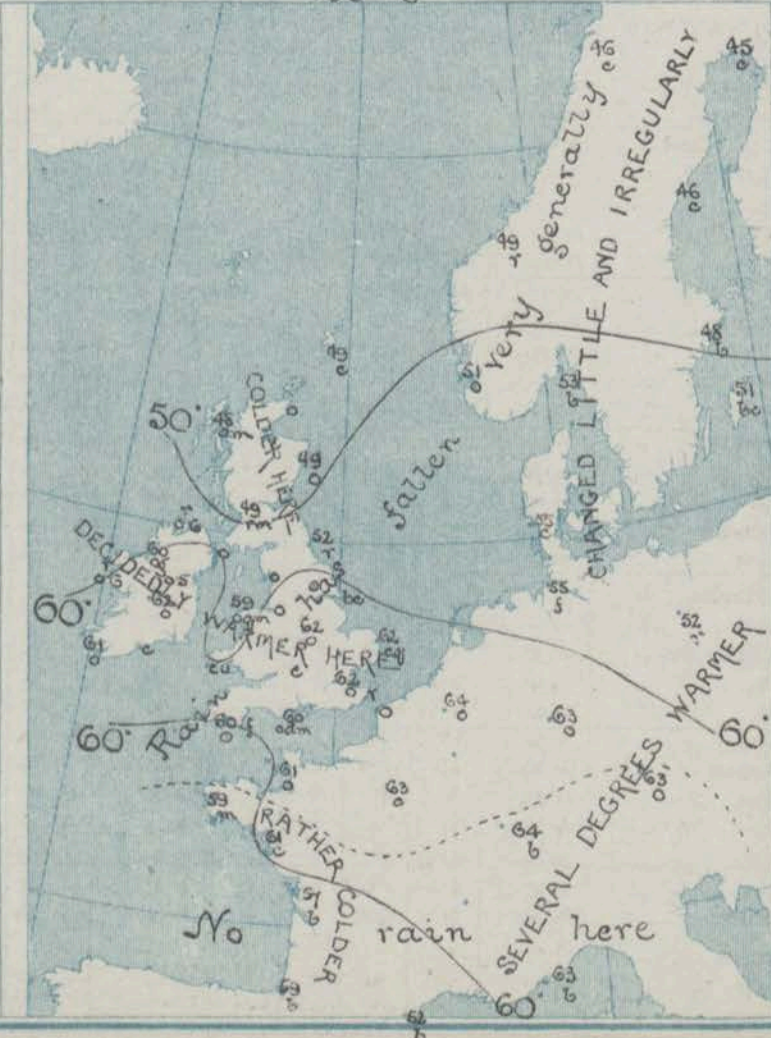
**Rainfall**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of September.

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Samburgh Head	55.2	46.2	50.6	49.0	3.46
Stornoway	55.9	45.4	51.0	49.7	4.13
Wick	57.5	45.3	51.6	49.7	2.66
Nairn	59.0	47.0	51.3	48.8	2.73
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.5	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.8	55.4	2.86
LONDON	66.9	49.3	56.4	54.0	2.59
Oxford	63.8	49.0	54.2	52.4	2.01
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

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 France, Switzerland and South Germany.  
Lowest, 29.2 ins or less over the north of Norway, but relatively low, 29.6 ins and under off the north-east of Ireland.  
Rather steep gradients for SW winds prevail over Ireland and England.

### TEMPERATURE

Highest, 64° at Brussels and Belfort, and 63° at Cambridge, Wiesbaden, Munich and Rice.  
Lowest, 45° at Haparanda and 43° at Stornoway and Leth.  
A considerable rise of temperature has taken place over England and Ireland.

### WIND

E<sup>ly</sup> in the north of Scandinavia, calm in the south of France and variable in Scotland.  
SW<sup>ly</sup> or W<sup>ly</sup> elsewhere, with a gale in the west of Ireland.  
A strong W<sup>ly</sup> gale was experienced yesterday in the north of Scotland.

### WEATHER

Rainy over the northern parts of Ireland and England, dull in our islands generally.  
Fair at most of the Continental stations.  
Rain fell yesterday over the greater part of North-western Europe, the largest amounts being 0.6 in at Malin Head and Redmullet and 0.5 in at Mullaghmore.

### SEA

High at Valencia and Penzance, rough at Lumburgh Head.  
Rather rough on our west and south-west coasts generally. Light or smooth in the east.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression which skirted our northern coasts on Monday is filling up over the north of Scandinavia, but a new disturbance is approaching Ireland and the barometer is falling again decidedly in the west.

The advancing system seems likely to spread eastwards over our northern districts and a further increase of wind from SW is probable on all our western and southern coasts, with rain over the greater part of Ireland and England.

## FORECASTS

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

### DISTRICTS.

### FORECASTS.

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

W<sup>ly</sup> to S<sup>ly</sup> winds, freshening; cloudy, some rain.

D° ----- D°

Same as N° 5.

Same as N° 5.

Same as N° 5.

SW<sup>ly</sup> winds, fresh or strong, mild, changeable, some rain.

### DISTRICTS.

### FORECASTS.

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

S<sup>ly</sup> and SW<sup>ly</sup> winds, increasing in force; dull, squally, some rain.

D° ----- D°

Same as N° 5.

SW<sup>ly</sup> to W<sup>ly</sup> strong winds or gales; squally, some rain.

D° ----- D°

### WARNINGS

The S. cone was hoisted yesterday afternoon in districts 8, 10 and part of 7, and this morning in districts 6, 9 and the remainder of 7.

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudeanaes ...	29.47	51	48	W	8	0	6	Holyhead ...	30.02	55	51	SW	5	og	5
Sumburgh Head	29.22	50	46	W	8	0	7	Valencia ...	29.90	60	60	S	6	rm	6
Stornoway ...	29.52	52	49	WSW	8	og	6	Scilly ...							
Aberdeen ...	29.62	51	50	WSW	6	og	1	Dungeness ...	30.14	62	58	W	5	c	4
Shields ...	29.84	57	53	WSW	6	bc	2	London ...	30.13	63	55	SW	4	c	3
Ardrossan ...	29.82	55	52	WSW	5	c	4	Yarmouth ...	30.06	59	53	W	4	bc	3
Malin Head ...	29.81	54	51	W	5	c	5	Jersey ...	30.23	62	60	SW	2	0	3
Mullaghmore ...	29.90	54	52	WSW	6	bc	2	Rochefort ...	30.42	71	66	WSW	4	bc	2
Belmullet ...	29.95	54	51	W	3	op	2								

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

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

Yesterday (Tuesday) morning's report showed that the large anticyclone noticed on Monday had moved decidedly in a southerly direction, and then covered Southwestern and Southern Europe with the Mediterranean. The depression in the northwest had moved north-eastwards and proved to be a very large and somewhat complex system. W<sup>2</sup> and SW<sup>2</sup> winds, strong to a gale in force prevailed over the British Isles and North Sea, and S<sup>2</sup> gales and strong breezes over the Baltic—the weather being mild, squally, and showery. Over Southern Europe, however, the weather was bright and dry, but the thermometer was low at the inland stations. Temperature varied from between 66° and 73° over the greater part of the Mediterranean to about 40° over Finland, 38° over Central Russia, and 33° on the shores of the White Sea. The highest individual readings were 76° at Malta, 72° at Brindisi, 71° at Palma and 70° at Barcelona, the lowest 33° at Archangel, 38° at Moscow, 39° at Naparanda and 41° at Kuopio and Uleaborg.

During the day the depression in the north underwent some modification and began to fill up, but a new, smaller system reached the west of Ireland, and brought about a renewal of strong S<sup>2</sup> winds and rain in the west. Temperature rose to 82° at Lisbon, 75° at Rochefort, and 70° to 73° in the south of France, while over England the maxima varied from 60° to 64°.

## ATLANTIC TELEGRAM.

The Chief Signal Officer at Washington U.S. reports that on the 25<sup>th</sup> Inst. in Lat 43° N. Long. 57° W. the barometer at noon fell to 29.8 ins. during a fresh gale in which the wind backed from E. to NE.

## 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 30<sup>th</sup> September 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.		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.	Inch.	°				Inch.	Inch.	°	°	°					°	°	Inch.	
Haparanda ...	29.51	44	Z	0	0	29.63	+29	42	41	-3	NE	2	C	4	18	41	-	
Hernösand ...	29.44	46	Z	0	0	29.62	+41	44	43	-2	Z	0	C	3	52	32	-	
Stockholm ...	29.52	50	W	2	6	29.63	+22	45	41	-3	W	2	6	2	57	45	-	
Wisby ...	29.54	53	W	6	6	29.59	+12	51	49	0	W-W	4	6	3	57	50	-	
Bodö ...	29.40	47	E	4	6	29.49	+24	46	43	0	E-NE	4	0	2	50	45	-	
Christiansund...	29.41	48	SW	9	0	29.58	+39	48	46	-1	NSW	6	N	5	4	45	0.43	
Skudesnaes ...	29.66	49	W-W	2	6	29.67	+06	51	48	0	E	4	0	4	54	48	-	
Christiania Fjord (Fjord)	29.58	55	W-W	6	C	29.64	+15	53	48	0	W-W	2	0	1	54	52	-	
Skagen (The Scaw)	29.65	52	W-W	4	0	29.67	+06	51	49	-2	W	2	0	1	55	50	-	
Fanö ...	29.71	58	W-W	6	N	29.74	+06	58	57	+3	W-W	6	0	3	59	52	0.32	
BRITISH ISLANDS.																		
Sumburgh Head	29.57	49	Z	0	0	29.63	+11	49	47	0	Z	0	C	1	52	45	-	
Stornoway ...	29.53	49	E	8	0	29.54	-09	51	51	+3	E	2	m	1	53	47	0.09	
Wick ...	29.56	48	S	3	N	29.60	-03	52	52	+2	S	1	sm	0	52	47	0.17	
Nairn ...	29.51	50	Z	0	0	29.59	-07	51	50	+2	Z	0	f	1	51	47	0.21	
Aberdeen...	29.57	51	E	1	2m	29.61	-08	54	53	+5	Z	0	m	0	54	47	0.26	
Leith ...	29.58	59	SW	1	N	29.67	-05	63	60	+15	SW	1	0	3	63	47	0.57	
Shields ...	29.69	62	SW	6	0	29.72	-00	61	60	+9	SW	2	cm	2	66	50	0.03	
Spurn Head ...	29.83	63	W-W	4	6	29.85	-00	61	59	+1	SW	5	6	3	66	57	-	
York ...	29.82	64	SW	8	0	29.81	+01	61	59	+1	S	3	C	3	69	58	-	
Loughborough	29.91	63	W-W	4	0	29.89	-02	60	58	-2	W-W	4	C	4	70	57	-	
GERMANY.																		
Ardrossan ...	29.60	56	SW	6	N	29.65	-00	57	57	+8	ESE	3	0	2	57	49	0.41	
Malin Head ...	29.47	58	SSW	5	N	29.51	-01	61	58	+4	SSW	4	C	4	61	56	0.94	
Mullaghmore ...	29.57	60	SSW	5	N	29.54	-08	63	60	+3	S	6	C	5	63	59	0.26	
Belmullet ...	29.56	59	SW	6	N	29.48	-11	59	59	0	SSW	7	0	4	59	57	0.22	
Donaghadee ...	29.65	61	W	6	0	29.68	-01	61	60	+1	SW	6	6	4	64	58	0.04	
FRANCE & NETHERLANDS.																		
Barrow-in-Farress	29.76	59	SW	6	0	29.78	+01	59	58	0	SW	6	0	3	61	58	0.01	
Liverpool (Bidston)	29.81	61	SW	6	C	29.83	-02	63	60	+2	SSW	1	C	3	66	60	-	
Holyhead ...	29.81	59	SSW	6	0	29.80	-05	58	58	-1	SSW	4	m	4	63	58	-	
Parsonstown ...	29.72	61	SSW	1	N	29.67	-11	61	58	-1	SSE	1	0	4	65	60	0.02	
Valencia ...	29.71	60	SSW	9	N	29.58	-22	61	60	0	SSE	9	0	5	63	59	0.11	
IRELAND.																		
Roche's Point...	29.81	59	SW	6	N	29.75	-14	60	58	-1	SSW	5	0	4	62	57	0.20	
Pembroke ...	29.91	59	SSW	6	C	29.88	-08	58	57	-2	S	5	0	6	61	58	0.03	
SCOTLAND.																		
Seilly ...	30.06	58	SSW	5	0	29.99	-13	59	57	-1	SSW	4	0	4	63	56	-	
Prawle Point ...	30.11	63	W-W	3	6	30.05	-13	60	57	-1	W-W	4	0	4	68	58	-	
IRELAND.																		
Jersey ...	30.05	60	W-W	6	C	30.01	-09	60	58	0	W-W	5	C	4	62	58	0.01	
Hurst Castle ...	30.04	61	W	6	0	30.06	-01	61	58	0	W	4	C	4	64	59	-	
Dungeness ...	30.03	61	SSW	4	C	29.99	-06	61	57	-1	W-W	3	0	4	71	57	-	
London ...	29.99	59	SW	4	0	29.96	-06	59	57	-2	SW	2	6	3	69	57	-	
Oxford ...	29.95	60	SW	3	6	29.95	-02	60	58	-3	SW	3	C	3	71	53	-	
Cambridge ...	29.94	65	W-W	4	6	29.92	-03	58	56	-4	W-W	4	6	2	71	54	-	
Yarmouth ...	29.83	59	W	6	N	29.87	-03	59	58	+4	W-W	4	0	3	60	55	0.06	
Cuxhaven ...	29.93	62	W	5	0	29.95	-07	61	58	+9	W	3	C	3	63	57	0.12	
Wiesbaden ...	30.27	61	W	3	6	30.14	-06	57	55	-6	Z	0	0	4	70	52	-	
Munich ...	30.27	61	W	3	6	30.24	-09	57	53	-6	SW	4	6	3	70	50	-	
NETHERLANDS.																		
The Helder ...	29.95	62	SW	5	6	29.92	-06	60	57	-3	SW	4	6	3	64	59	-	
Brussels ...	30.06	61	W-W	7	0	30.05	-07	61	58	-1	SW	5	0	6	63	59	0.08	
Cape Gris Nez...	30.17	60	S	1	6	30.13	-13	61	51	-12	S	1	6	3	70	49	-	
Paris ...	30.10	62	SSW	5	0	30.03	-18	61	60	+2	SSW	5	0	5	61	59	-	
Brest ...	30.17	64	SSW	3	6	30.08	-16	59	57	-2	SW	3	6	2	70	54	-	
Lorient ...	30.24	69	W-W	4	6	30.15	-19	60	58	+3	SE	4	6	2	81	55	-	
Rochefort ...	30.32	64	W	3	6	30.21	-15	59	57	-5	W	1	6	3	73	38	-	
Belfort ...	30.26	68	S	1	6	30.23	-14	54	52	+1	SE	1	6	3	78	49	-	
Lyons ...	30.28	63	SSE	1	6	30.07	-27	61	58	-2	E	1	0	3	73	57	-	
Nice ...	30.26	66	NE	3	6	30.21	-14	60	59	+8	W	3	0	3	75	57	-	
Perpignan ...	30.21	73	C	3	6	30.10	-14	65	56	+6	E	4	6	1	82	59	-	
Biarritz ...	30.07	62	NE	5	6	30.02	-22	65	58	+5	NE	4	6	2	81	57	-	
FRANCE.																		
Corunna ...																		
Lisbon ...																		

For Explanation of Columns, see p. 4.

# WEATHER

for 8 a.m. on

Thursday, 30<sup>th</sup> September.

# CHARTS

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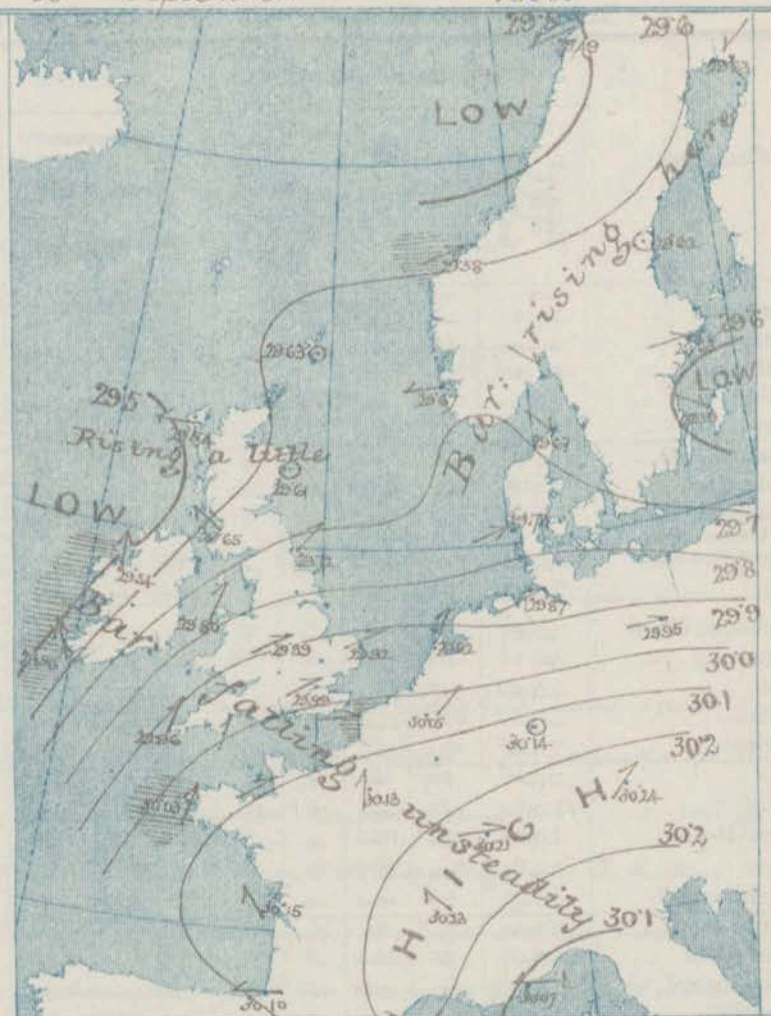
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at 8 a.m. for the month of September  
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.758
Stornoway	29.781
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Holyhead	29.903
Liverpool	29.910
Valencia	29.929
Roche's Point	29.923
Pembroke	29.924
Scilly	29.960
Hurst Castle	29.878
Dover	29.955
LONDON	29.956
Oxford	29.943
Cambridge	29.943
Yarmouth	29.928



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

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

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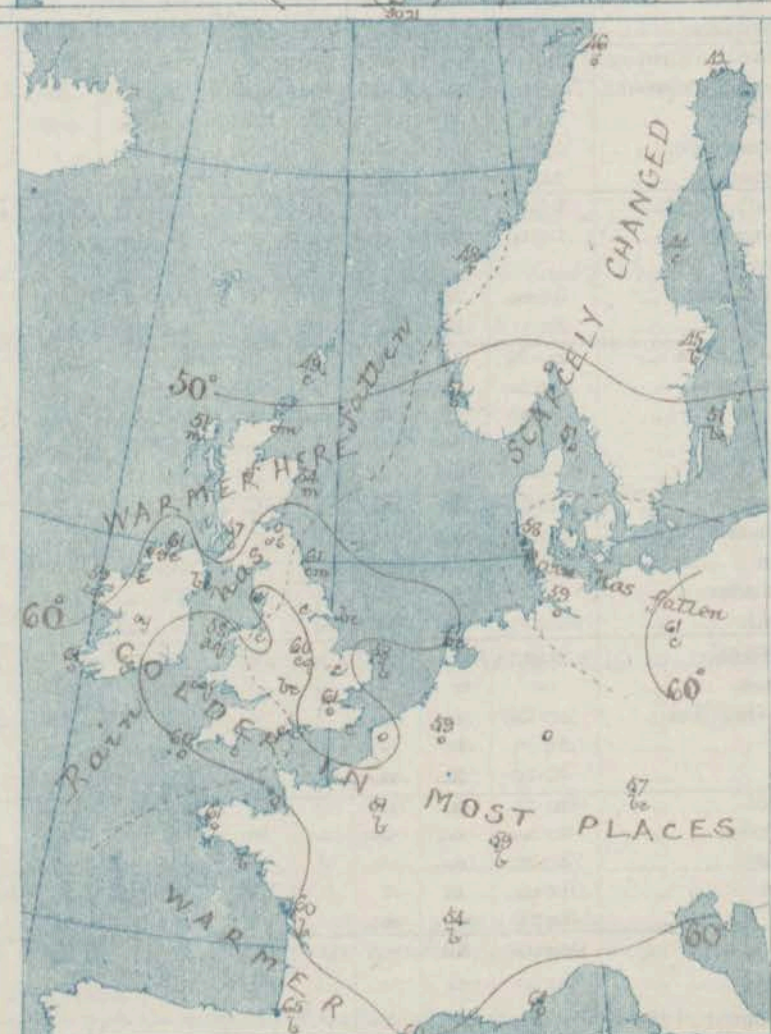
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

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for the month of September.

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	Daily Max	Daily Min.	At 8 a.m.		
			Dry	Wet.	
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Nairn	59.0	47.0	51.3	48.8	2.73
Aberdeen	58.0	47.1	52.0	49.6	3.22
Leith	62.7	47.8	53.5	51.1	2.47
Shields	60.0	49.0	53.4	51.2	2.58
York	63.2	47.3	53.1	51.2	2.98
Ardrossan	59.9	49.9	53.6	51.0	3.87
Donaghadee	59.5	49.2	53.3	52.1	3.22
Holyhead	61.1	53.1	55.6	53.4	3.35
Liverpool	61.3	51.2	54.7	52.0	3.56
Valencia	61.9	52.0	56.4	53.9	4.87
Roche's Point	62.0	51.7	55.4	53.2	4.39
Pembroke	60.4	53.4	56.3	53.9	3.89
Scilly	61.9	55.2	58.5	56.5	3.69
Hurst Castle	64.4	52.9	57.8	56.3	3.35
Dover	63.1	52.8	58.3	55.4	2.86
LONDON	68.9	49.3	56.4	54.0	2.59
Oxford	63.8	49.0	54.2	52.4	2.91
Cambridge	65.8	48.5	54.5	52.9	2.48
Yarmouth	62.3	50.8	56.3	54.4	3.17

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



# GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.2 ins: and upwards over South Germany and the east of France.</p> <p>Lowest, 29.5 ins: off our extreme western coast, and also over the north-west of Norway.</p> <p>Gradients for S<sup>W</sup> and S<sup>W</sup> winds rather steep over our western coast.</p>
TEMPERATURE	<p>Highest, 65° at Rochefort and Lisbon, and 63° at Leith, Liverpool, and Mullaghmore.</p> <p>Lowest, 42° at Haparanda and 48° in the Shetlands.</p> <p>During yesterday the thermometer rose to 70° at Loughboro', and 71° in London and at Cambridge and Yarmouth.</p>
WIND	<p>Light SE<sup>W</sup> in Scotland and the south of France, E<sup>W</sup> in the north of Scandinavia, S<sup>W</sup> or SW<sup>W</sup> elsewhere;</p> <p>strong in force at many of our western stations, with a gale at Valencia.</p>
WEATHER	<p>Dull in the west and north, with mist in Scotland, and rain in the west of Norway, as well as at Holyhead and Pembroke.</p> <p>Fair at our eastern and most of the Continental stations.</p> <p>Rain fell yesterday in the west and north generally, the largest amount being 0.9 in. at Malin H<sup>l</sup> and 0.6 in. at Leith.</p>
SEA	<p>Rough at Pembroke and rather rough at Mullaghmore and Valencia, moderate in the English Channel, slight or smooth elsewhere.</p>

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure seems to be undergoing a gradual change.

A large and rather deep depression still lies to the westward of our Islands, but the anticyclone over France is moving eastwards, and the wind seems likely to back to the S<sup>W</sup> in most places.

The disturbances in the west will probably move northwards, and strong winds or gales from the S<sup>W</sup>, with squally, unsettled, weather are likely to continue on our western coasts generally.

Over the eastern part of the Kingdom, however, quieter and more settled weather may be expected.

## FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SE <sup>W</sup> and S <sup>W</sup> winds, moderate; dull, some mist and rain.	6 { SCOTLAND WEST	SW <sup>W</sup> and S <sup>W</sup> winds, increasing in force, dull, some rain.
1 { SCOTLAND EAST	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----	7 { ENGLAND N. W.	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----
2 { ENGLAND N. E.	SW <sup>W</sup> and S <sup>W</sup> winds, freshening; fair to dull and some rain.	8 { ENGLAND S. W.	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----
3 { ENGLAND EAST	----- D <sup>o</sup> ----- D <sup>o</sup> ----- D <sup>o</sup> -----	9 { IRELAND NORTH	S <sup>W</sup> strong winds and gales; squally, some rain.
4 { MIDLAND COUNTIES	----- 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> -----
5 { ENGLAND SOUTH	SW <sup>W</sup> winds, fresh or strong; fair generally.	WARNINGS	The south cone was hoisted yesterday in part of district 5. It is still up there and also in districts 6 to 10.

# YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.66	53	49	W 7	O	5	Holyhead ...	29.74	61	59	SSW 6	cq	5
Sumburgh Head	29.57	50	46	W 1	O	4	Valencia ...	29.75	60	60	S 9	nm g	7
Stornoway ...	29.55	52	50	ESE 2	om	1	Scilly ...						
Aberdeen ...	29.62	50	49	SE 1	r	1	Dungeness ...	30.07	63	61	W 6	O	4
Shields ...	29.70	56	62	SW 5	Op	2	London ...	30.03	70	63	MSW 5	bc	3
Ardrossan ...	29.60	56	56	SW 6	O	4	Yarmouth ...	29.94	69	61	MSW 5	bc g	3
Malin Head ...	29.60	59	56	SSW 5	n	5	Jersey ...	30.14	68	62	SW 3	b	3
Mullaghmore ...	29.60	61	60	SW 5	n	4	Rochefort ...	30.28	77	67	SE 4	bc	1
Belmullet ...	29.58	59	59	SW 4	om	5							

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

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

Yesterday morning's reports showed that the centre of the anticyclone recently observed had reached the Mediterranean where the readings exceeded 30.3 ins.; but that pressure was nevertheless still high (30.0 to 30.3 ins.) over Western Europe, North Germany, and Austria. Readings were, however, low (29.3 ins. and less) over Northern Europe and to the westward of Ireland. Strong W<sup>ly</sup> and SW<sup>ly</sup> winds were consequently prevalent over the British Isles, Denmark and the Baltic, accompanied by very showery, mild weather, while calms, variable airs, and fine but relatively cold weather was reported over Central Spain and the inland parts of the southern half of France and Italy. Temperature varied from between 69° and 73° over Algeria, the south of Italy, and the north of Spain to very little above the freezing point in the extreme north of Russia. The highest individual readings reported were 73° at Sfax (Algeria), and at Malta and Bilbao, 72° at Brindisi and Barcelona, and 69° at Sanguinaire; even over England and Ireland the readings were as high as 60° to 63°. The lowest values were 34° at Archangel, 45° at Haparanda and Moscow, and 46° at Rodo. In the zone of cold over Central France the readings were as low as 43° at Clermont, and 45° at Gap.

During the day temperature increased greatly over Western Europe, so that maxima were registered as high as 82° at Biarritz, 81° at Lisbon and Rochefort and 70° to 75° in many parts of France and Germany, as well as over the Central and south-eastern counties of England. The air was humid, the wind SW<sup>ly</sup> to S<sup>ly</sup>, and blew hard in the far west. Heavy rain fell in the north of Ireland, and some showers over England.

### EXPLANATION OF COLUMNS GIVEN ON PAGE 1.

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

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

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

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

CORRECTIONS AND ADDITIONS TO THE REPORTS FOR SEPT<sup>R</sup> 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. Reading at 82° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	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.			
1	Scilly	30.04	65	SSE	4	0	30.14	+ .13	60	58	- 3	NW	4	c	5	65	58	0.03		
"	" 2pm	"	"	"	"	"	30.16	"	63	59	"	N	3	c	4	"	"	"		
2	Paris	30.14	81	E	1	b	30.15	"	60	"	- 1	Z	0	b	3	89	"	"		
"	Scilly	30.16	60	NW	4	c	30.17	+ .03	59	58	- 1	NW	4	c	5	63	55	0.07		
"	" 2pm	"	"	"	"	"	30.15	"	62	56	"	NW	4	bc	5	"	"	"		
"	Lyon	30.08	84	E	1	b	30.12	- .04	69	60	0	SSW	1	b	3	90	61	"		
"	Corunna	"	"	"	"	"	30.13	"	62	62	"	NW	1	f	4	73	59	"		
"	Lisbon	30.00	74	NW	4	b	30.07	+ .01	67	63	+ 1	NW	3	b	2	84	64	"		
3	Scilly	30.12	60	NW	4	c	30.07	- .10	58	56	- 1	NNE	4	o	4	63	55	"		
"	" 2pm	"	"	"	"	"	30.01	"	60	58	"	NNE	3	o	4	"	"	"		
"	Cambridge	30.12	56	N	1	h	30.14	+ .04	59	59	+ 2	N	1	h	3	60	53	0.02		
"	Lyon	30.06	63	S	4	o	30.12	"	63	"	- 6	S	1	bc	3	91	57	"		
"	Corunna	"	"	"	"	"	30.08	- .05	63	59	+ 1	NE	1	o	5	72	59	"		
4	Scilly	29.97	60	NNE	2	o	29.97	- .10	59	57	+ 1	S	1	h	3	60	57	0.01		
"	" 2pm	"	"	"	"	"	29.96	"	62	58	"	SSE	2	o	3	"	"	"		
"	Belfast	29.86	75	E	3	bc	30.13	+ .05	59	56	- 10	SE	3	c	3	80	55	"		
"	Lyon	30.01	74	SSE	4	EE	30.13	+ .01	65	"	+ 2	SW	1	bc	4	83	62	"		
"	Perpignan	30.01	71	E	3	o	30.07	"	68	66	"	SE	3	b	2	79	60	"		
"	Corunna	"	"	"	"	"	30.01	- .07	59	56	- 4	SW	1	o	4	68	55	"		
5	Scilly	29.92	59	SSE	4	c	29.82	- .15	59	55	0	WSW	4	c	4	63	54	0.01		
6	"	29.86	61	W	4	c	29.91	+ .09	63	61	+ 4	SSW	4	c	3	65	58	"		
"	" 2pm	"	"	"	"	"	29.89	"	61	61	"	S	6	o	5	"	"	"		
"	Brest	29.96	62	SSW	3	b	30.01	+ .12	60	59	+ 4	S	4	o	4	63	55	"		
"	Belfast	30.06	60	SSW	3	bc	30.07	+ .01	55	53	- 2	SSW	1	b	3	78	55	0.16		
"	Lyon	30.16	65	NW	3	o	30.17	+ .06	63	"	- 5	NW	1	b	3	84	55	0.08		
"	Nice	30.14	68	Z	0	b	30.15	- .02	67	64	- 2	E	1	o	1	87	63	"		
"	Perpignan	30.09	73	NE	1	o	30.14	+ .04	71	70	+ 4	Z	0	o	2	84	67	"		
"	Corunna	"	"	"	"	"	30.03	- .01	67	66	+ 2	SSW	1	o	1	73	63	0.35		
7	Scilly	29.90	59	W	4	o	30.02	+ .11	62	57	- 1	SW	3	b	4	63	54	0.03		
"	" 2pm	"	"	"	"	"	30.15	"	65	59	"	SW	5	c	4	"	"	"		
"	Corunna	"	"	"	"	"	30.14	+ .11	61	60	- 6	NNE	1	o	4	70	59	0.04		
8	Scilly	29.98	61	SW	4	b	29.84	- .18	63	61	+ 1	SW	6	o	5	66	59	"		
"	" 2pm	"	"	"	"	"	29.83	"	64	62	"	SW	6	o	6	"	"	"		
"	Belfast	30.04	71	W	1	c	30.00	- .11	62	"	+ 1	S	3	c	3	79	56	"		
9	Scilly	29.83	61	WSW	5	o	29.82	- .02	64	61	+ 1	SSW	5	c	6	66	58	0.01		
"	" 2pm	"	"	"	"	"	29.79	"	67	64	"	SSW	6	o	6	"	"	"		
"	Corunna	"	"	"	"	"	30.12	"	58	57	"	WSW	3	b	4	70	54	"		
10	Scilly	29.73	65	SSW	6	o	29.71	- .11	53	54	- 9	NW	3	o	5	68	53	0.04		
"	" 2pm	"	"	"	"	"	29.84	"	62	57	"	WSW	2	bc	6	"	"	"		
"	Brussels	"	"	"	"	"	29.92	- .14	63	"	+ 2	S	1	b	0	72	57	"		
"	Lyon	30.05	72	N	1	b	30.02	- .13	63	"	- 1	N	1	b	3	79	57	"		
"	Corunna	"	"	"	"	"	30.02	- .10	65	62	+ 7	SSW	5	h	4	73	57	"		
11	Scilly	29.87	60	W	2	c	29.94	+ .23	62	58	+ 7	SW	4	bc	5	63	58	0.02		
"	" 2pm	"	"	"	"	"	29.93	"	67	63	"	SSW	5	bc	5	"	"	"		
"	Corunna	"	"	"	"	"	30.13	+ .11	60	58	- 5	NW	1	o	7	75	54	0.28		
12	Scilly	29.90	62	SSW	6	c	29.92	- .02	64	63	+ 2	SSW	5	o	5	67	61	"		
13	"	29.95	64	SSW	5	o	29.95	+ .03	63	62	- 1	S	4	o	4	67	61	"		
"	" 2pm	"	"	"	"	"	29.95	"	65	63	"	SE	4	c	4	"	"	"		
"	Corunna	"	"	"	"	"	29.90	- .22	62	"	0	E	1	m	3	75	54	"		
14	Scilly	29.94	62	SE	4	c	30.04	+ .09	63	61	0	NE	2	b	3	66	58	"		
"	" 2pm	"	"	"	"	"	30.08	"	65	61	"	NE	5	b	4	"	"	"		
15	Scilly	30.11	62	ESE	5	bc	30.21	+ .17	61	60	- 2	E	5	o	4	65	52	"		
"	" 2pm	"	"	"	"	"	30.25	"	61	59	"	E	6	o	5	"	"	"		
16	Scilly	30.25	61	E	7	o	30.28	+ .07	58	56	- 3	E	7	o	6	62	57	"		
"	" 2pm	"	"	"	"	"	30.26	"	61	57	"	ESE	7	c	6	"	"	"		
"	Corunna	"	"	"	"	"	30.14	+ .08	63	60	0	E	1	bc	3	79	57	"		
17	Scilly	30.23	59	E	7	o	30.11	- .17	60	58	+ 2	ESE	6	o	6	62	50	0.02		
"	" 2pm	"	"	"	"	"	30.10	"	62	60	"	ESE	5	c	5	"	"	"		
"	Cape Gris Neg	30.40	69	NNE	7	b	30.31	- .10	50	"	- 1	E	3	b	8	63	45	"		
"	Corunna	"	"	"	"	"	30.11	- .03	62	59	- 1	SSW	1	c	2	77	61	0.04		
18	Scilly	30.09	60	ESE	5	c	30.01	- .10	59	58	- 1	ESE	6	c	5	62	50	"		
"	" 2pm	"	"	"	"	"	30.00	"	63	61	"	ESE	4	bc	4	"	"	"		
19	Scilly	30.00	61	ESE	5	o	30.00	- .01	60	60	+ 1	ESE	2	f	4	63	58	0.04		
20	"	29.98	61	ESE	2	o	29.87	- .13	60	58	0	E	5	c	4	64	58	0.01		
"	" 2pm	"	"	"	"	"	29.79	"	63	61	"	E	5	c	4	"	"	"		
"	Corunna	"	"	"	"	"	29.73	- .33	64	61	+ 3	SE	1	o	4	72	57	"		
21	Scilly	29.70	59	E	6	o	29.51	- .36	59	57	- 1	E	7	o	6	63	53	"		

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 ...	29.842	50.0	45.5	54.1	49.8	38	15 <sup>th</sup>	59	5 <sup>th</sup>	0.324
	{ Wick ...	29.886	52.0	44.6	58.2	51.4	31	17 <sup>th</sup>	69	3 <sup>rd</sup>	325
	{ Stornoway ...	29.861	50.5	45.0	56.8	50.9	38	17 <sup>th</sup>	63	5 <sup>th</sup>	322
1. SCOTLAND, E.	{ Nairn ...	29.900	49.6	42.8	59.7	51.3	31	18 <sup>th</sup>	70	11 <sup>th</sup>	298
	{ Aberdeen ...	29.928	51.0	44.8	59.8	52.3	33	17 <sup>th</sup>	70	1 <sup>st</sup>	313
	{ Leith ...	29.952	52.6	46.5	61.2	53.9	33	16 <sup>th</sup>	68	12 <sup>th</sup> + 30 <sup>th</sup>	335
2. ENGLAND, N.E.	{ Shields ...	29.977	53.6	49.1	60.7	54.9	40	16 <sup>th</sup>	69	1 <sup>st</sup>	361
	{ York ...	30.012	54.8	48.4	63.9	56.2	39	23 <sup>rd</sup>	74	4 <sup>th</sup>	370
	{ Spurn Head ...	30.013	57.2	52.9	62.5	57.7	47	23 <sup>rd</sup> 24 <sup>th</sup> 25 <sup>th</sup>	72	1 <sup>st</sup>	423
3. ENGLAND, E.	{ Yarmouth ...	30.025	59.3	54.4	65.1	59.8	46	25 <sup>th</sup>	74	1 <sup>st</sup>	418
	{ Cambridge ...	30.035	57.7	49.0	67.3	58.2	39	16 <sup>th</sup>	80	1 <sup>st</sup>	411
4. MIDLAND COUNTIES.	{ Loughborough ...	30.030	54.9	49.2	65.6	57.4	39	23 <sup>rd</sup>	75	4 <sup>th</sup>	376
	{ Oxford ...	30.041	55.6	51.0	65.4	58.2	42	16 <sup>th</sup> , 17 <sup>th</sup> + 23 <sup>rd</sup>	75	4 <sup>th</sup>	388
5. ENGLAND, S.	{ London ...	30.043	58.1	52.1	68.4	60.3	40	17 <sup>th</sup> + 18 <sup>th</sup>	85	1 <sup>st</sup>	403
	{ Dungeness ...	30.026	59.2	54.2	65.6	59.9	39	24 <sup>th</sup>	75	4 <sup>th</sup>	433
	{ Hurst Castle ...	30.039	58.0	53.1	65.3	59.2	40	24 <sup>th</sup>	75	14 <sup>th</sup>	430
6. SCOTLAND, W.	Ardrossan ...	29.942	52.5	48.3	59.2	53.8	38	16 <sup>th</sup>	72	4 <sup>th</sup>	351
7. ENGLAND, N.W.	{ *Hawes Junction ...	28.765	50.8	45.8	56.8	51.3	32	16 <sup>th</sup>	67	4 <sup>th</sup>	338
	{ Barrow-in-Furness ...	29.985	54.0	50.8	60.4	55.6	41	16 <sup>th</sup>	72	4 <sup>th</sup>	357
	{ Liverpool Obs <sup>r</sup> . (Bidston) ...	29.999	55.3	51.1	62.2	56.7	42	23 <sup>rd</sup>	70	9 <sup>th</sup>	359
	{ Holyhead ...	29.984	55.0	51.6	60.2	55.9	45	23 <sup>rd</sup>	67	3 <sup>rd</sup>	386
8. ENGLAND, S.W.	{ Pembroke ...	29.994	56.2	52.1	60.5	56.8	44	23 <sup>rd</sup>	63	3 <sup>rd</sup> , 4 <sup>th</sup> + 13 <sup>th</sup>	399
	{ Prawle Point ...	30.024	57.3	53.3	62.2	57.8	43	23 <sup>rd</sup> + 24 <sup>th</sup>	74	14 <sup>th</sup>	418
9. IRELAND, N.	{ Malin Head ...	29.897	52.9	48.9	58.4	53.7	38	8 <sup>th</sup>	65	2 <sup>nd</sup> , 4 <sup>th</sup> + 7 <sup>th</sup>	338
	{ Donaghadee ...	29.956	54.2	49.2	59.9	54.6	42	20 <sup>th</sup>	66	12 <sup>th</sup>	391
	{ Mullaghmore ...	29.905	53.8	50.3	60.5	55.4	45	10 <sup>th</sup> + 24 <sup>th</sup>	67	4 <sup>th</sup>	350
	{ Belmullet ...	29.895	54.5	50.2	60.1	55.2	45	16 <sup>th</sup> , 17 <sup>th</sup> + 23 <sup>rd</sup>	67	4 <sup>th</sup>	350
10. IRELAND, S.	{ Parsonstown ...	29.951	53.1	46.5	61.6	54.1	32	23 <sup>rd</sup>	66	4 <sup>th</sup> , 17 <sup>th</sup> + 19 <sup>th</sup>	349
	{ Valencia ...	29.925	57.2	52.4	62.2	57.3	42	23 <sup>rd</sup>	67	20 <sup>th</sup>	417
	{ Roche's Point ...	29.951	56.2	50.5	60.8	55.7	42	23 <sup>rd</sup>	65	1 <sup>st</sup>	396
CHANNEL ISLANDS.	{ Scilly (St. Mary's) ..	29.983	59.9	55.6	63.1	59.4	50	17 <sup>th</sup> , 18 <sup>th</sup> + 22 <sup>nd</sup>	68	9 <sup>th</sup>	442
	{ Jersey (Noirmont) ...	30.026	60.3	56.7	66.1	61.4	51	24 <sup>th</sup> + 25 <sup>th</sup>	80	14 <sup>th</sup>	455
* Hawes Junction is 1185 feet above mean Sea Level and the											

\* Hawes Junction is 1135 feet above mean Sea Level and the

STATIONS in the BRITISH ISLANDS during the Month of SEPTEMBER 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.	Calm
%		ins.	in.																	
90	4.5	3.11	0.47	27 <sup>th</sup>	20	0	0	0	4	15	1	4	1	0	1	4	5	8	0	7
84	5.9	1.47	0.50	13 <sup>th</sup>	16	0	1	1	9	12	3	2	1	1	1	0	4	8	2	2
88	6.0	4.57	0.69	9 <sup>th</sup>	21	0	2	1	9	11	7	2	2	2	1	7	7	4	0	5
84	5.4	2.47	1.12	13 <sup>th</sup>	14	0	0	1	6	6	2	0	2	1	0	1	6	4	1	15
84	5.2	1.66	0.61	13 <sup>th</sup>	13	0	0	0	11	7	5	5	0	0	0	6	8	4	3	4
84	6.3	2.14	0.57	29 <sup>th</sup>	13	0	0	0	8	12	0	0	3	1	4	4	6	5	5	2
88	7.2	1.65	0.54	9 <sup>th</sup>	14	0	0	0	4	14	0	4	4	5	0	2	9	4	2	0
86	6.2	1.12	0.24	25 <sup>th</sup>	16	0	0	0	7	11	0	9	3	1	1	10	2	3	1	0
90	4.6	0.97	0.18	4 <sup>th</sup>	16	0	0	1	7	3	7	4	6	2	1	5	10	1	1	0
83	3.6	1.24	0.55	10 <sup>th</sup>	14	0	0	0	16	2	0	2	5	4	0	3	8	4	4	0
86	5.3	1.06	0.36	10 <sup>th</sup>	8	0	0	0	13	12	0	7	5	1	0	8	7	2	0	0
88	7.0	1.09	0.23	2 <sup>nd</sup>	12	0	0	0	2	12	1	1	5	3	1	1	9	5	2	3
87	5.6	1.88	0.58	4 <sup>th</sup>	10	0	0	1	13	14	0	3	8	1	0	8	7	1	1	1
82	6.8	1.44	0.46	10 <sup>th</sup>	10	0	0	1	6	13	2	1	6	5	2	4	6	3	1	2
87	5.9	2.06	0.54	4 <sup>th</sup>	15	0	0	3	8	10	2	8	1	4	2	3	4	6	1	1
89	6.0	2.42	1.20	2 <sup>nd</sup>	15	0	0	1	5	4	4	3	9	3	0	1	9	2	3	0
88	6.1	4.49	1.36	5 <sup>th</sup>	15	0	0	1	9	14	8	3	10	2	2	5	4	2	2	0
91	8.0	8.73	1.67	9 <sup>th</sup>	18	0	0	1	4	20	2	2	5	4	1	4	11	1	0	2
85	7.2	4.69	1.64	9 <sup>th</sup>	17	0	0	0	5	16	3	3	8	0	2	7	5	1	4	0
82	7.0	3.35	1.49	9 <sup>th</sup>	13	0	0	1	6	15	0	1	3	8	3	6	4	4	1	0
89	6.1	5.61	1.53	9 <sup>th</sup>	15	0	0	1	8	11	2	2	4	5	0	5	7	3	2	2
88	6.3	4.95	1.45	9 <sup>th</sup>	17	0	0	2	5	9	4	1	4	7	1	5	7	1	4	0
89	6.6	2.11	0.70	21 <sup>st</sup>	16	0	0	1	5	12	4	2	8	3	0	2	10	2	1	2
85	6.3	4.22	0.94	29 <sup>th</sup>	19	0	0	0	4	9	2	1	2	4	3	10	4	4	2	0
93	6.0	2.80	0.50	26 <sup>th</sup>	16	0	0	0	9	12	6	1	2	7	1	5	10	3	1	0
84	6.2	4.48	1.37	7 <sup>th</sup>	19	0	0	0	7	7	5	1	2	9	2	7	8	1	0	0
84	6.6	4.61	1.00	6 <sup>th</sup>	19	0	0	0	9	12	6	1	2	7	4	3	7	4	2	0
86	6.7	3.01	0.73	26 <sup>th</sup>	17	0	0	0	6	14	0	2	4	0	4	7	6	1	0	6
89	7.5	3.97	0.82	13 <sup>th</sup>	22	0	0	0	5	19	6	2	4	5	4	6	4	3	1	1
88	6.6	6.27	1.15	9 <sup>th</sup>	20	0	0	1	7	13	3	3	3	3	4	1	9	3	4	0
87	7.7	3.26	0.84	9 <sup>th</sup>	17	0	0	0	2	15	5	2	3	6	2	5	7	2	3	0
87	6.5	1.49	0.43	21 <sup>st</sup>	12	0	0	1	6	13	4	2	8	6	1	1	8	3	1	0

Barometric Observations at this Station are not corrected for altitude.

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

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.			
				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.	Amount of Rainfall.	
21	Corinna	*	*	*	*	*	29.59	-14	63	61	+1	3	5	0	4	79	57	0.51	
-	Scilly 2pm	-	-	-	-	-	29.49	-	58	57	-	EHE	6	0	5	-	-	-	
22	Scilly	29.48	58	EHE	6	0	29.62	+11	53	52	-6	HE	7	0	6	60	50	0.10	
-	2pm	-	-	-	-	-	29.74	-	57	53	-	EHE	7	0	6	-	-	-	
-	Brussels	*	*	*	*	*	29.67	-01	52	50	-4	HE	3	0	7	65	50	0.16	
-	Corinna	*	*	*	*	*	29.58	-01	61	60	-2	HE	5	4	70	57	-		
23	Scilly	29.62	58	EHE	7	0	30.05	-43	55	51	+2	EHE	5	5	58	52	0.01		
-	2pm	-	-	-	-	-	30.09	-	57	54	-	HE	5	0	4	-	-	-	
-	Brussels	*	*	*	*	*	29.94	+27	50	-	-2	Z	0	0	58	44	-		
24	Scilly	30.12	55	HE	5	0	30.18	+13	55	52	0	HE	2	0	3	57	53	-	
-	2pm	-	-	-	-	-	30.18	-	59	54	-	HE	2	0	3	-	-	-	
-	Brussels	*	*	*	*	*	30.04	+11	50	-	0	HE	1	0	59	46	-		
-	Corinna	*	*	*	*	*	30.08	+38	62	61	+1	HE	8	6	68	59	-		
25	Scilly	30.16	56	HE	1	0	30.08	-10	58	56	+3	SW	4	0	3	59	53	-	
-	2pm	-	-	-	-	-	30.04	-	60	58	-	SW	5	0	5	-	-	-	
-	Androsan 2pm	-	-	-	-	-	29.91	-	54	52	-	SE	4	1	3	-	-	-	
-	Malin Head 2pm	-	-	-	-	-	29.84	-	52	49	-	SW	4	6	3	-	-	-	
-	Jersey 2pm	-	-	-	-	-	30.14	-	58	52	-	SW	2	0	2	-	-	-	
-	Corinna	*	*	*	*	*	30.12	+04	51	50	-11	SE	1	0	2	68	48	-	
26	Scilly	30.00	59	SW	5	0	30.12	+04	58	56	0	HE	2	6	4	61	55	0.18	
-	London	30.10	58	SW	1	0	30.07	-07	54	52	+5	SE	2	7	7	59	48	0.08	
27	Scilly	30.18	58	HE	1	0	30.02	-10	61	58	+3	SW	6	0	5	61	55	-	
-	2pm	-	-	-	-	-	29.97	-	61	60	-	SW	7	0	6	-	-	-	
-	Corinna	*	*	*	*	*	30.30	+09	54	53	-1	E	3	6	4	72	52	-	
28	Scilly	29.99	59	W	2	0	30.17	+15	59	56	-2	SW	1	0	5	62	55	0.39	
-	2pm	-	-	-	-	-	30.12	-	62	61	-	SW	5	5	5	-	-	-	
29	Skagen	29.57	28	HE	7	1	29.61	+18	53	49	+1	HE	5	0	3	57	45	0.08	
-	Scilly	30.10	61	HE	5	0	30.07	-10	62	60	+3	SW	5	0	5	64	58	0.01	
-	2pm	-	-	-	-	-	30.02	-	65	62	-	SW	5	0	5	-	-	-	
-	The Helder	30.05	59	SW	5	0	29.92	-02	61	-	+4	SW	5	0	4	63	55	0.04	
-	Corinna	*	*	*	*	*	30.25	-13	62	58	+5	SE	3	6	4	72	57	-	
30	Scilly	29.98	60	SW	5	0	29.87	-20	64	61	+2	S	5	0	5	66	58	0.01	
-	2pm	-	-	-	-	-	29.79	-	63	60	-	SE	6	0	5	-	-	-	
-	Corinna	*	*	*	*	*	30.15	-10	64	59	+2	SE	4	6	4	75	55	-	
2. CORRECTIONS.																			
1	Stornoway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	
2	Stornoway 2pm	-	-	-	-	-	30.10	-	-	-	-	-	-	-	-	-	-	-	
3	Jersey	30.04	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4	Sumburgh 2pm	-	-	-	-	-	30.16	-	-	-	-	-	-	-	-	-	-	-	
7	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.00	
8	Sumburgh 2pm	-	-	-	-	-	29.40	-05	-	-	-	-	-	-	-	-	-	-	
10	Hurret Castle	-	-	-	-	-	-	-	61	-	0	-	-	-	-	-	-	-	
11	Belmullet	-	-	-	-	-	-	-	61	-	+8	-	-	-	-	61	-	-	
-	Prawle Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10	
-	Hurret Castle	-	-	-	-	-	-	-	-	-	-2	-	-	-	-	64	-	-	
-	Androsan 2pm	-	-	-	-	-	29.54	-	-	-	-	-	-	-	-	-	-	-	
-	Mullaghmore 2pm	-	-	-	-	-	29.45	-	-	-	-	-	-	-	-	-	-	-	
12	Leith	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-	
-	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	53	-	
-	Belmullet	-	-	-	-	-	-	-	-	-	-5	-	-	-	-	61	-	-	
-	Talsnevia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	-	-	
13	Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain	
14	Sumburgh 2pm	-	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	Mullaghmore 2pm	-	-	-	-	-	30.27	-	-	-	-	HE	-	-	-	-	-	-	
15	Loughborough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73	-	-	
17	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	
18	Mullaghmore	-	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
19	"	-	-	-	-	-	-	-	-	53	-	-	-	-	-	-	-	-	
21	Naim	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	
-	Mullaghmore	-	-	-	-	-	29.84	-15	-	-	-	-	-	-	-	-	-	-	
22	Loughborough	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
23	Naim	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	
26	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.18	
28	Sumburgh 2pm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.47	
29	Stornoway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.14	
-	Androsan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.35	
-	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.60	
-	Dungeoona	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03	