

METEOROLOGICAL OFFICE

LONDON.

---

DAILY WEATHER REPORTS.

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

1886.





July to December 1886.

July to December 1886.





# DAILY WEATHER REPORT

for *Thurs. day* — *1<sup>st</sup> July* — 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.		
Haparanda	29.91	62	N	2	b	29.99	+0.09	61	52	0	SSE	2	bc	•	73	50	-	
Hernösand	29.99	59	Z	0	b	30.06	+0.11	58	51	0	MTW	2	bc	•	77	52	-	
Stockholm	29.94	57	N	4	bc	30.02	+0.25	61	57	+9	N	2	b	•	64	52	0.08	
Wisby	29.78	54	ESE	4	bc	29.90	+0.18	57	53	+4	ESE	4	b	•	63	50	0.20	
Bodö	30.09	52	WSW	2	c	29.96	-0.17	50	47	+2	ESE	4	n	2	54	46	0.12	
Christiansund	30.16	51	WSW	2	c	30.11	-0.10	54	52	+4	WSW	3	0	3	54	48	-	
†Skudesnaes	30.15	53	MTW	8	bc	30.19	+0.02	56	52	+3	MTW	7	c	4	57	52	-	
Oxö (Åtnäs)	30.06	54	WSW	2	b	30.14	+0.04	58	55	+2	S	2	b	1	59	50	-	
Skagen (The Skaw)	30.05	55	MTW	2	b	30.10	+0.07	61	55	+6	MTW	1	b	0	63	54	-	
Fanö	30.13	52	NW	4	b	30.17	+0.12	64	58	+6	MTW	2	b	•	68	46	-	
Cuxhaven	30.14	57	MTW	2	b	30.15	+0.01	61	59	+3	MTW	1	b	•	61	56	-	
†Sumburgh Head	30.22	53	W	1	c	30.06	-0.16	55	55	+5	SW	1	c	1	56	50	0.01	
†Stornoway	30.25	60	SW	2	og	30.15	-0.14	55	53	+4	SSE	3	b	2	63	48	-	
Wick	30.26	58	S	1	c	30.17	-0.11	65	61	+5	S	1	b	0	65	54	-	
Nairn	30.23	63	MTW	1	bc	30.18	-0.10	62	59	+1	MTW	1	bc	0	71	46	-	
†Aberdeen	30.27	60	S	1	c	30.22	-0.07	58	55	-3	S	1	0	1	68	51	-	
Leith	30.24	63	MTW	1	c	30.22	-0.08	64	59	+1	Z	0	b	•	68	49	-	
†Shields	30.30	57	E	2	bc	30.24	-0.06	61	58	+4	SSW	1	b	1	65	50	-	
Spurn Head	30.29	57	SSE	1	b	30.28	-0.01	54	53	-1	ESE	2	1	3	59	51	-	
York	30.28	67	SSE	1	b	30.29	-0.02	59	55	-1	S	1	b	•	75	50	-	
Loughborough	30.27	68	ESE	2	c	30.30	+0.00	63	57	+3	WSW	1	b	•	76	46	-	
†Ardrossan	30.26	64	MTW	2	b	30.23	-0.08	61	57	+2	S	1	b	1	67	51	-	
Malin Head	30.29	57	ESE	1	b	30.16	-0.16	69	63	+13	S	1	b	0	70	50	0.01	
†Mullaghmore	30.28	70	Z	0	bc	30.19	-0.13	67	62	+11	NE	1	bc	1	73	55	-	
Belmullet	30.28	70	S	1	b	30.19	-0.13	66	60	+4	S	2	b	•	72	54	-	
Donaghadee	30.29	62	MTW	4	b	30.25	-0.08	60	56	+8	SE	2	b	0	62	48	-	
Barrow-in-Furness	30.24	64	MTW	2	b	30.24	-0.03	60	58	0	MTW	3	b	•	67	55	-	
Liverpool (Bidston)	30.28	67	MTW	1	b	30.25	-0.04	65	60	+2	SE	2	c	2	69	55	-	
†Holyhead	30.28	60	MTW	1	b	30.25	-0.05	64	60	+6	MTW	1	bc	1	65	52	-	
Parsonstown	30.25	78	Z	0	b	30.23	-0.08	71	65	+2	Z	0	b	•	78	56	-	
Valencia	30.29	70	WSW	2	bc	30.16	-0.14	67	60	+1	SE	4	b	5	74	57	-	
Roche's Point	30.29	67	SSE	1	b	30.22	-0.08	65	60	0	SSE	1	b	1	69	56	-	
Pembroke	30.26	69	MTW	3	bc	30.26	-0.01	61	59	-6	SSE	2	c	1	71	58	-	
†Scilly	30.36	67	ESE	1	b	30.22	-0.00	64	60	-1	ESE	2	b	1	70	58	-	
Prawle Point	30.26	63	Z	0	b	30.26	+0.01	58	55	-10	ESE	2	b	2	68	54	-	
Hurst Castle	30.26	62	SSW	2	bc	30.28	+0.01	60	57	0	E	2	b	1	73	51	-	
†Dungeness	30.28	58	E	4	b	30.26	+0.02	59	56	-2	E	3	bc	2	66	52	-	
†London	30.24	66	E	3	b	30.29	+0.02	60	54	-3	E	2	b	•	74	50	-	
Oxford	30.27	62	NE	2	b	30.30	+0.01	61	56	-1	ESE	1	bc	•	72	48	-	
Cambridge	30.27	65	NE	2	b	30.29	-0.01	61	56	+1	NE	1	b	•	72	44	-	
†Yarmouth	30.28	59	N	3	b	30.30	+0.03	57	54	+1	MTW	2	b	3	60	50	-	
The Helder	30.21	55	NE	5	b	30.22	+0.02	55	52	-1	ESE	4	c	3	63	52	-	
†Cape Gris Nez	30.21	64	ESE	3	bm	30.22	+0.02	58	54	-6	ESE	5	bm	4	69	53	-	
†Jersey	30.21	71	E	3	b	30.19	+0.02	59	52	-3	E	5	b	3	77	54	-	
Brest	30.17	71	E	3	b	30.19	+0.02	59	52	-3	E	5	b	3	77	54	-	
Lorient	30.14	73	ESE	5	b	30.18	+0.01	57	51	-5	E	5	b	2	79	50	-	
†Rochefort	30.09	79	ESE	5	b	30.12	+0.02	62	58	-5	ESE	7	b	2	90	55	-	
†Biarritz	29.99	68	WSW	4	m	29.98	-0.03	64	63	-1	SSE	1	0	0	72	63	0.08	
Coruna	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Brussels	*	*	*	*	*	30.26	+0.07	55	50	-4	ESE	4	0	•	84	50	-	
Charleville	30.14	64	E	4	b	30.09	-0.08	55	50	-6	ESE	7	b	•	71	47	-	
Paris	29.99	72	MTW	4	b	30.06	+0.01	59	55	-3	MTW	4	b	•	76	56	-	
Lyons	29.99	81	MTW	7	m	29.92	-0.01	65	60	0	E	3	m	2	81	59	-	
†Toulon	29.85	81	MTW	7	m	29.92	-0.01	65	60	0	E	3	m	2	81	59	-	

## EXPLANATION OF COLUMNS.

**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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).  
 ‡ These Stations send Reports at 11 p.m. daily (Sundays excepted).

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# WEATHER CHARTS

for 8 a.m. on *Thursday, 1st JULY* 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 *July*  
 During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS. in.
Sumburgh Head	29.827
Stornoway	29.799
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.964
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



## 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.

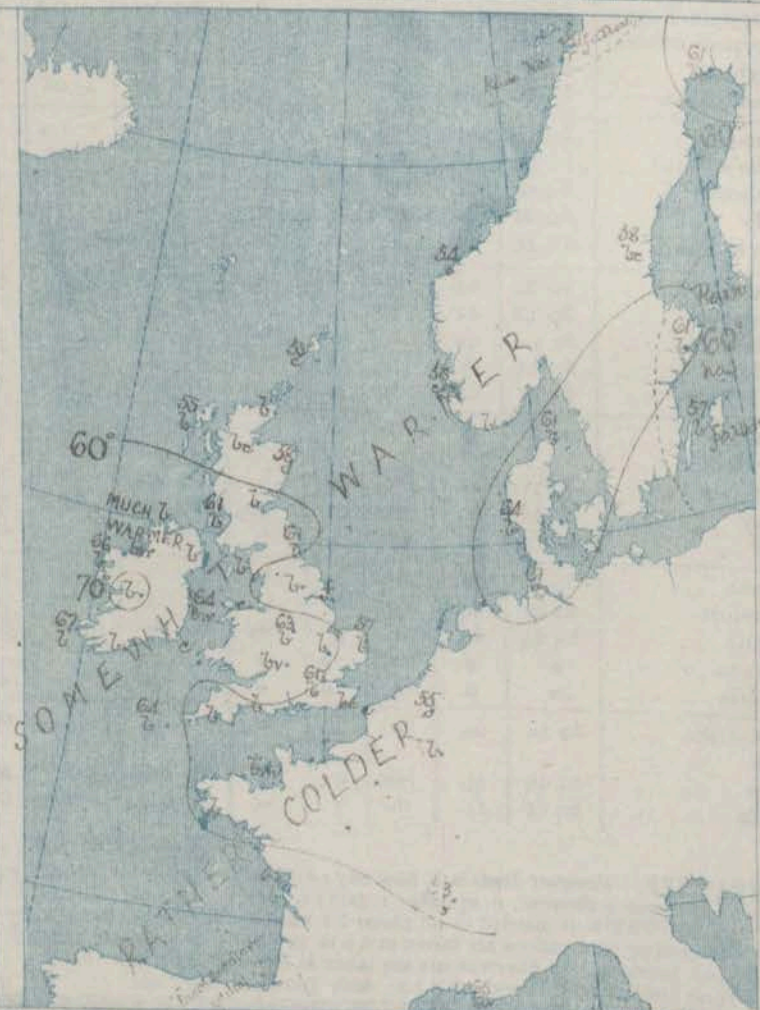
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of *July*.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.7	52.2	2.09
Stornoway	60.3	49.7	56.4	54.3	3.02
Wick	62.4	49.4	56.2	53.9	2.25
Nairn	65.0	51.6	57.4	53.7	2.67
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	53.6	58.8	55.5	2.03
York	68.1	52.3	59.7	56.5	2.57
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.9	2.07
Holyhead	64.5	55.0	58.3	56.1	2.32
Liverpool	66.4	54.6	59.8	56.1	2.09
Valencia	64.5	53.9	59.0	56.2	3.01
Roche's Point	68.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.5	56.2	2.31
Scilly	65.0	56.9	60.3	58.2	2.29
Hurst Castle	67.9	56.4	61.7	59.2	2.15
Dover	67.4	57.5	63.0	59.2	1.82
LONDON	73.3	64.2	63.5	58.6	2.17
Oxford	69.9	53.7	60.4	57.1	2.51
Cambridge	72.5	52.8	61.3	58.0	2.30
Yarmouth	66.7	55.5	61.4	58.4	2.68

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





## for

Thursday 1<sup>st</sup> July

1886 at 8 a.m.

The anticyclone noticed over our Islands yesterday has moved eastwards, and the barometer is now falling decidedly on all our western and northern coasts. At our south-eastern, and many of the Continental stations, however, the mercury is rising a little. The wind is SE<sup>ly</sup> or S<sup>ly</sup> in Ireland and Scotland, but NW<sup>ly</sup> on the eastern shores of the North Sea, and E<sup>ly</sup> at our southern and the French stations; in force it is light or moderate generally. The weather is dull in the west of Norway, with rain at Bodø, but elsewhere the sky is clear or nearly so. Temperature has fallen a little at our southern and the French stations, but risen elsewhere - most in the North of Ireland, readings over our Islands now range from 71° at Parsonstown to 54° at Spurn Head. The highest maxima registered yesterday were 78° at Parsonstown, 76° at Loughborough, 75° at York and 74° in London. The sea is rather rough at Valencia but smooth elsewhere.

The fall of the barometer in the west will probably lead to a freshening of the wind from SE or S in Ireland and Scotland, but no important change in the weather is likely at present.

for the 24 hours ending at NOON on 2<sup>nd</sup> July  
(Issued at 11 a.m. on the previous day.)

1886.

( Issued at 11 a.m. on the previous day. )

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



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.															
	Bar.	Dry.	Wet.	Wind.		Wen.	Sea.		Bar.	Dry.	Wet.	Wind.		Wen.	Sea.
Skudesnaes	30.16	57	50	N.W.	8	C	4	Holyhead	30.32	60	67	N.W.	2	6	1
Sumburgh Head	30.22	53	51	W	2	m	2	Valencia	30.30	73	65	W	2	6	3
Stornoway	30.28	61	58	Sw	3	0	2	Scilly	30.26	69	60	E	2	6	3
Aberdeen	30.29	64	58	SSE	1	bc	1	Dungeness	30.24	62	59	E	4	6	2
Shields	30.31	59	55	E	2	b	1	London	30.25	71	62	NE	3	bc	*
Ardrossan	30.29	67	59	Sw	1	b	1	Yarmouth	30.30	60	54	NE	4	6	3
Malin Head	30.32	60	58	NE	1	b	0	Jersey	30.22	67	60	E	4	6	3
Mullaghmore	30.32	67	59	N.W.	2	b	2	Rochefort	30.11	88	71	E.N.E.	5	6	2
Beinmullet	30.32	70	61	W	1	b	*								

## REMARKS.

No important change has occurred since the morning. Light W<sup>ly</sup> breezes prevail in the extreme west and north and moderate E & NE breezes in the east and south, with fine weather in most places. The sea is slight or smooth on all coasts.

## CONTINENTAL INFORMATION.

The Continental Reports for yesterday showed that fine bright weather still prevailed over Western Europe, and slight local showers in some parts of Germany, Russia and the Baltic. Pressure ranged from about 30.3 ins at the Irish stations to 29.7 in over Central Russia, so that the winds were chiefly N.W. but light. Temperature was consequently not so high as might have been anticipated the morning readings varying from between 68° and 70° over the south of France and north of Italy, between 60° and 65° over Central Europe and to about 50° in the west of Norway. The highest readings were 84° at Biskra (Algeria), 82° at Cagliari, and 75° at Brindisi; the lowest 48° at Rodez, 50° at Christiansund and Sumburgh Head and 51 at Stornoway.

Later in the day the thermometer rose to 84° at Brussels, 81° at Toulon, over Central Ireland and 74° to 76° over England.

## CONTINENTAL INFORMATION.

Omitted from the Daily Weather Report of Tuesday last owing to the non-arrival of Reports.

The Continental Reports for Monday morning showed that the area of uniformly high-pressure recently observed over the British Islands and their neighbourhood, was spreading greatly, readings varying from 30.1 ins to 30.2 ins being reported from nearly the whole of our Islands, the north of France, the Bay of Biscay and Portugal, while those observed over Northern and Central Russia were about 29.75 ins. Varying but light N.W. (W to NE) breezes were consequently prevalent, with fair weather generally, but local showers in several places and some thunderstorms in Western Germany. Temperature varied from between 70° and 79° over Algeria and Eastern Spain, and from 65° to 68° over Italy and the south-east of France, to between 51° and 55° over Northern Europe. The highest readings reported were 86° at Cagliari, 83° at Alicante and 79° at Biskra (Algeria); the lowest were 51° at Alfö, and 53° at Skudesnaes and Christiansund.

Later in the day the thermometer rose to 86° at Toulon, 81° at Charleville, 78° at Cambridge and Loughborough, and to 75° even at Hernösand (Sweden).

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



# DAILY WEATHER REPORT

for Friday — 2<sup>nd</sup> July. 1886.

Issued by the Meteorological Office, 116, Victoria Street, London, R. N. 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.		
Haparanda	29.98	59	Z	0	b	29.98	- .01	63	53	+ 2	S	2	b	*	70	50	—	
Hernösand	30.07	60	N	4	o	30.07	+ .01	59	56	+ 1	Z	0	b	*	66	52	—	
Stockholm	30.05	59	Z	0	o	30.07	+ .05	61	56	0	Z	0	c	*	70	50	0.01	
Wisby	29.99	57	NNE	2	be	30.00	+ .10	59	52	+ 2	W	4	o	*	66	52	—	
Bodö	30.02	54	Z	0	o	29.99	+ .03	54	53	+ 4	ESE	2	o	1	54	46	0.16	
Christiansund	30.13	55	WSW	3	c	30.05	- .06	60	57	+ 6	SE	1	b	1	61	50	0.08	
† Skudesnaes	30.17	55	NW	6	f	30.17	- .02	61	52	+ 5	WNW	2	c	3	?	55	—	
Oxö († Christiansand)	30.09	56	SW	4	c	30.12	- .02	59	58	+ 1	ENE	2	be	1	61	54	—	
Skagen (The Skaw)	30.12	58	WNW	1	c	30.09	- .01	57	58	- 4	WSW	2	o	0	70	52	—	
Fanö	30.21	63	NW	4	c	30.23	+ .06	59	56	- 5	WNW	4	c	*	68	62	—	
Cuxhaven	30.24	59	NNW	2	b	30.29	+ .14	59	58	- 2	NW	2	o	*	?	55	—	
† Sumburgh Head	30.12	56	S	3	b	30.04	- .02	54	53	- 1	SW	3	o	1	59	47	—	
† Stornoway	30.08	59	S	5	be	30.17	+ .02	53	52	- 2	NNW	3	om	1	69	51	0.02	
Wick	30.11	64	ENE	1	b	30.14	- .03	64	62	- 1	NW	1	o	0	68	59	—	
Nairn	30.09	78	WNW	2	b	30.12	- .06	68	61	- 6	WNW	2	be	2	80	60	—	
† Aberdeen	30.14	64	S	2	be	30.14	- .08	75	65	+ 17	SW	1	be	1	75	52	—	
Leith	30.15	71	NW	1	be	30.19	- .03	71	62	+ 7	W	1	b	*	78	55	—	
† Shields	30.17	60	E	1	m	30.21	- .03	71	68	+ 10	SW	2	b	2	71	51	—	
Spurn Head	30.24	53	SE	4	b	30.25	- .03	59	57	+ 5	SSE	2	b	2	59	50	—	
York	30.23	63	SSE	1	o	30.26	- .03	65	60	+ 6	S	1	b	0	74	62	—	
Loughborough	30.23	78	ESE	2	b	30.29	- .01	64	60	+ 1	ESE	1	bm	*	81	52	—	
† Ardrossan	30.17	65	WSW	1	b	30.23	.00	61	59	0	SSW	1	b	1	67	57	—	
Malin Head	30.13	68	ESE	2	om	30.22	+ .06	63	60	- 6	W	3	bm	1	73	56	—	
† Mullaghmore	30.15	68	WNW	1	c	30.24	+ .05	64	60	- 3	WSW	2	bm	2	77	62	—	
† Belmullet	30.16	65	S	2	be	30.25	+ .06	61	59	- 5	S	2	o	*	72	59	—	
Donaghadee	30.18	68	S	2	b	30.25	.00	59	56	- 1	E	2	be	0	71	52	—	
Barrow-in-Furness	30.20	67	W	2	b	30.24	.00	62	59	+ 2	W	3	b	*	69	55	—	
Liverpool (Bidston)	30.22	67	NW	1	be	30.27	+ .02	71	62	+ 6	NW	1	b	1	74	60	—	
† Holyhead	30.23	65	WSW	2	b	30.28	+ .03	62	59	- 2	SW	5	bm	2	71	56	—	
Parsonstown	30.18	76	SW	1	be	30.27	+ .04	68	61	- 3	Z	0	be	*	79	52	—	
† Valencia	30.21	65	SSE	3	bm	30.29	+ .08	65	61	- 2	ESE	1	bm	2	69	58	—	
Roche's Point	30.23	66	S	3	b	30.30	+ .08	62	56	- 3	N	1	b	1	74	55	—	
Pembroke	30.24	64	NNW	2	b	30.29	+ .03	64	60	+ 3	NE	1	b	0	65	58	—	
† Scilly	30.22	62	E	3	b	30.26	+ .04	62	60	- 2	ENE	2	bm	2	67	56	—	
Prawle Point	30.24	58	E	2	b	30.29	+ .03	60	57	+ 2	E	2	b	2	63	52	—	
Hurst Castle	30.26	62	SW	1	b	30.29	+ .01	61	57	+ 1	ENE	2	b	1	67	50	—	
† Dungeness	30.23	59	E	4	b	30.28	+ .02	61	57	+ 2	E	3	b	2	63	55	—	
† London	30.24	68	ESE	2	b	30.31	+ .02	59	56	- 1	E	1	b	*	73	52	—	
Oxford	30.23	68	NE	1	b	30.30	.00	64	59	+ 3	SE	1	b	*	74	51	—	
Cambridge	30.24	72	SE	1	b	30.31	+ .02	56	54	- 5	SSW	1	be	*	71	49	—	
† Yarmouth	30.29	60	E	2	b	30.31	+ .01	54	53	- 3	ESE	1	be	2	61	50	—	
The Helder	30.26	55	Z	0	o	30.27		55	53		WNW	1	o	1	59	54	—	
Cape Gris Nez	30.21	56	ENE	5	b	30.24	+ .02	58	57	+ 3	NE	1	b	1	63	52	—	
† Jersey	30.17	60	ENE	1	om	30.22	.00	62	58	+ 4	ENE	4	bm	3	64	54	—	
Brest	30.14	64	ENE	5	b	30.20	+ .01	56	52	- 3	ENE	4	b	3	77	52	—	
Lorient	30.11	63	NE	5	b	30.17	- .01	59	56	+ 2	ENE	5	b	2	77	50	—	
† Rochefort	30.05	77	ENE	5	b	30.08	- .04	61	59	- 1	NE	7	b	2	88	54	—	
Biarritz	30.95	71	W	1	c	30.00	+ .02	66	65	+ 2	WSW	7	be	2	73	64	—	
Corunna	*	*	*	*	*												—	
Brussels	*	*	*	*	*	30.27	+ .01	59	56	+ 4	NE	1	b	*	62	50	—	
Charleville	30.18	68	Z	0	b	30.23	+ .14	62	56	+ 7	SW	1	b	*	75	50	—	
Paris	30.16	67	NNE	4	b	30.18	- .03	60	55	+ 6	ENE	4	b	*	70	50	—	
Lyons	30.00	70	N	3	b	30.09	+ .03	62	57	+ 3	SE	1	b	*	73	54	—	
Toulon	29.97	65	S	1	f	29.97	+ .05	66	62	+ 1	SE	5	m	3	81	61	—	

## EXPLANATION OF COLUMNS.

WEATHER.—Bouffort 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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).

† These Stations send Reports at 2 p.m. daily (Sundays excepted).



# WEATHER CHARTS

for 8 a.m. on Friday, 2<sup>ND</sup> JULY, 1886.

## BAROMETER, WIND & SEA.

(Explanation of Map)

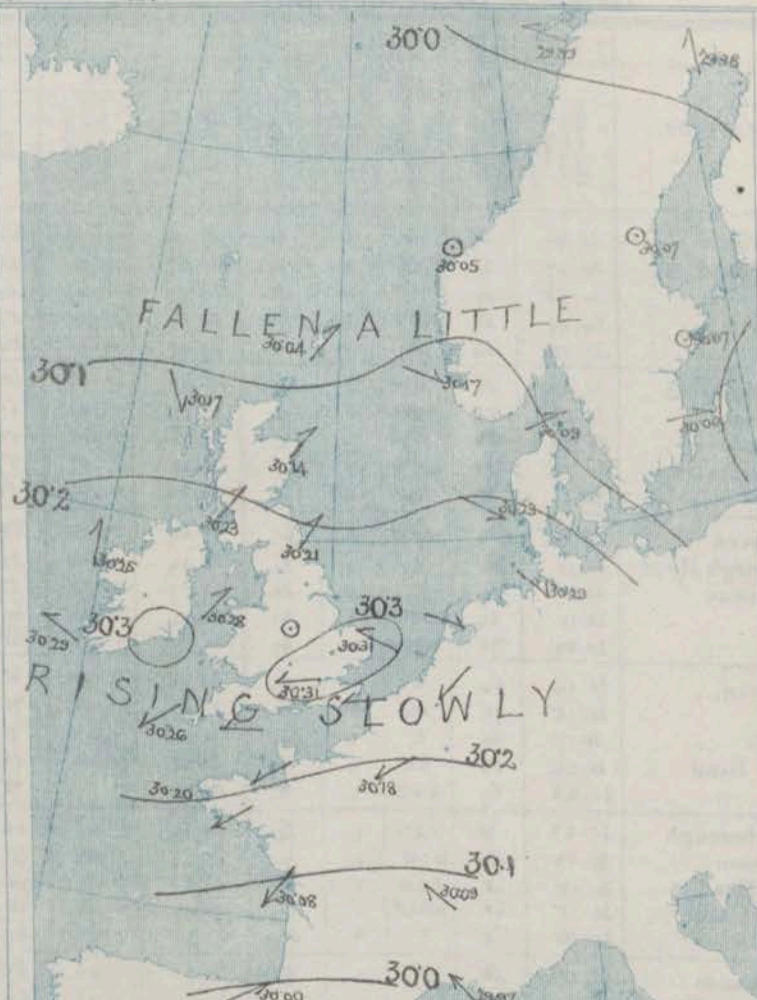
**Barometer**—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind**—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus—  
 ———— = forces above 10; ———— = forces 8 to 10;  
 ———— = forces 5 to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

STATIONS.	MEAN READINGS.
	IN.
Sumburgh Head	29.827
Stornoway	29.799
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.878
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934





# REMARKS.

for FRIDAY 2<sup>nd</sup> JULY 1886 at 8 a.m.

Owing to a slight fall of the barometer which has taken place on an extreme northern coast the anticyclone of yesterday has resolved itself into a long band of high pressure extending from Germany to an extreme western coast. Light W<sup>ly</sup> breezes prevail on an northern coast and also on the eastern shores of the North Sea, but at our southern and the French stations the wind is E<sup>ly</sup> or NE<sup>ly</sup> and in the Bay of Biscay it blows freshly or strongly. The weather is dull in the north of Scotland, but fine in nearly all other parts of western Europe. Temperature has fallen a little at our western stations, but risen rapidly in the northeast; in the east of Scotland the weather is now exceedingly warm, the reading at Aberdeen (75°) being as much as 21° higher than at Yarmouth and 22° higher than at Stormoway. The highest maxima registered yesterday were 81° at Loughborough, 80° at Naum, 79° at Parsonstown and 78° at Ennisk. The sea is smooth on all coasts.

There is at present no sign of any important changes.

## ATLANTIC TELEGRAM.

The Chief Signal Officer at Washington U.S. reports that a derelict ship was seen on the 27<sup>th</sup> ult. in Lat. 44° N., Long. 46° W.

## FORECASTS

For the 24 hours ending at NOON on 3<sup>rd</sup> JULY 1886.  
(Issued at 11 a.m. on the previous day.)

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	W <sup>ly</sup> winds, moderate; fair generally.	6 { SCOTLAND WEST	Same as N <sup>os</sup> 1 and 2.
1 { SCOTLAND EAST	SE <sup>ly</sup> winds, light; fine, warm.	7 { ENGLAND N.W.	Same as N <sup>os</sup> 1 and 2.
2 { ENGLAND N.E.	.....D.....D.....D.....	8 { ENGLAND S.W.	Same as N <sup>o</sup> 5.
3 { ENGLAND EAST	SE <sup>ly</sup> winds, light; fine, warm.	9 { IRELAND NORTH	SE <sup>ly</sup> and W <sup>ly</sup> winds, moderate; fair generally.
4 { MIDLAND COUNTIES	.....D.....D.....D.....	10 { IRELAND SOUTH	Variable or E <sup>ly</sup> winds; fine, warm.
5 { ENGLAND SOUTH	E <sup>ly</sup> winds, light; fine, warm.	WARNINGS	NONE ISSUED.



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.															
	Bar.	Dry.	Wet.	Wind.		Wea.	Sea.		Bar.	Dry.	Wet.	Wind.		Wea.	Sea.
Skudesnaes	30.18	58	55	NRW	8	c	3	Holyhead	30.25	67	61	N	1	b	1
Sumburgh Head	30.04	57	54	S	2	c	1	Valencia	30.22	68	61	SE	4	bv	4
Stornoway	30.12	69	62	S	5	b	5	Scilly	30.27	63	59	SE	3	b	2
Aberdeen	30.18	67	60	S	2	bc	1	Dungeness	30.25	62	58	E	5	b	3
Shields	30.21	66	60	SE	2	m	1	London	30.25	69	61	E	2	b	*
Ardrossan	30.20	65	60	SSW	1	b	1	Yarmouth	30.30	61	56	E	2	bv	3
Malin Head	30.16	68	62	ENE	1	c	0	Jersey	30.19	62	55	ENE	5	b	4
Mullaghmore	30.17	71	64	NW	1	e	1	Rocheport							
Belmullet	30.17	70	62	S	3	bc	*								

## REMARKS.

The barometer is now falling in most places and the wind at Stornoway has freshened from the S<sup>W</sup>. Fine weather is still reported generally, and temperature is high in Ireland. The sea is rather rough at Stornoway, moderate to smooth elsewhere.

## CONTINENTAL INFORMATION.

Yesterday morning's Continental reports showed that Anticyclonic conditions prevailed over the whole of Northwestern Europe, while very shallow depressions lay over the Mediterranean and Western Russia. Readings varied from a little above 30.3 in. over England to a little below 29.7 in. near Smolensk and to 29.9 in. over the south of France. Calm and variable air were consequently prevalent over the British Isles, and light N<sup>W</sup> to NE<sup>W</sup> breezes elsewhere. The weather was still a little showery at the Baltic stations as well as in Austria, Switzerland and the south of France, with thunder and lightning in several places. Over the British Islands, North Sea and France, however, it was fine. Temperatures varied from between 68° & 75° in the south of France to between 50° & 55° in Norway, and a still lower value over Northern Russia, where the thermometer had fallen suddenly. The highest individual readings at 8 am. were about 87° at Biskra (Algeria), 83° at Alicante and Cape Bearn and 78° at Cagliari, while the lowest were 54° at Christiansund, 50° at Bodo & only 37° at Archangel.

Some of the maximum readings reported lately have been high, that registered at Biskra (Algeria) on Wednesday being 104°, at Barcelona 97°, at Cagliari 91°, at Brindisi & Palermo 84°, but in London only 74°.

In London yesterday the thermometer did not rise above 73°, though it reached 81° at Loughborough, 80° at Naim & 77° at Cambridge & Mullaghmore.

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



# DAILY WEATHER REPORT

for Saturday — 3<sup>rd</sup> July 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 59° 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.		
Haparanda	29.89	59	N	2	bc	29.88	-.18	63	59	0	S	4	b	•	72	48	-	
Hernösand	30.01	61	SSW	2	bc	29.95	-.12	64	58	+5	NNE	2	bc	•	70	52	-	
Stockholm	30.04	60	SW	2	c	29.95	-.12	69	65	+8	W	0	b	•	73	55	-	
Wisby	30.02	58	ENE	4	bc	29.96	-.04	64	58	+5	WSW	4	b	•	66	52	-	
Bodö	29.90	55	WSW	2	n	29.93	-.06	50	48	-4	WSW	4	c	3	55	50	0.12	
Christiansund	30.09	50	WSW	6	c	30.06	+0.1	54	48	-6	WSW	4	bc	3	?	46	0.08	
† Skudesnaes	30.16	55	WNW	2	c	30.17	-.00	55	49	-6	NW	6	0	3	64	55	-	
Oxö (Xtiansand)	30.08	60	SW	4	b	30.07	-.05	61	57	+2	WSW	6	c	3	63	55	-	
Skagen (The Skaw)	30.03	56	W	3	0	30.01	-.08	61	58	+4	WNW	3	c	1	68	55	-	
Fanö	30.23	54	WSW	4	c	30.19	-.04	56	55	-3	WNW	4	m	•	64	54	-	
Cuxhaven	30.30	58	WNW	2	b	30.28	-.01	59	59	0	WNW	3	0	•	61	56	-	
† Sumburgh Head	30.17	52	W	8	b	30.17	+1.3	52	48	-2	SW	3	c	3	55	47	-	
† Stornoway	30.25	53	SSE	1	om	30.28	+1.1	54	49	+1	WNW	2	c	1	58	44	-	
Wick	30.25	55	NE	1	0	30.26	+1.2	58	52	-6	WNW	2	bc	0	66	49	-	
Nairn	30.23	57	NE	1	0	30.27	+1.5	53	52	-15	NE	1	om	1	69	51	0.06	
† Aberdeen	30.23	58	ESE	1	0g	30.27	+1.3	53	52	-12	ESE	1	0	1	81	52	0.02	
Leith	30.20	76	W	1	b	30.28	+0.6	67	62	-4	W	2	bc	•	80	52	-	
† Shields	30.20	77	W	2	bc	30.26	+0.5	68	63	-3	W	3	c	2	80	56	-	
Spurn Head	30.23	58	SSE	3	bc	30.28	+0.3	60	58	+1	WNW	2	bm	2	71	57	-	
York	30.23	79	W	2	b	30.29	+0.3	69	66	+4	W	1	b	•	85	56	-	
Loughborough	30.24	78	SW	1	c	30.32	+0.3	71	64	+7	W	1	b	•	83	55	-	
† Ardrossan	30.25	63	S	1	b	30.29	+0.6	63	60	+2	WSW	1	c	1	67	58	-	
Malin Head	30.26	60	WNW	2	om	30.28	+0.6	59	58	-4	WNW	3	om	2	64	57	-	
† Mullaghmore	30.28	65	W	3	bc	30.34	+1.0	61	58	-3	WSW	2	cm	2	71	50	-	
† Belmullet	30.29	63	SW	4	c	30.34	+0.9	62	58	+1	SW	1	bc	•	68	59	-	
Donaghadee	30.28	59	N	2	c	30.31	+0.6	62	59	+3	N	1	b	0	65	52	-	
Barrow-in-Furness	30.26	67	WSW	2	b	30.29	+0.5	61	58	-1	W	2	bc	•	68	57	-	
Liverpool (Bidston)	30.28	70	WNW	1	b	30.32	+0.5	71	62	0	WSW	1	bc	1	74	59	-	
† Holyhead	30.29	65	W	0	b	30.34	+0.6	65	62	+3	W	0	bcw	0	70	56	-	
Parsonstown	30.29	74	WNW	1	b	30.35	+0.8	67	60	-1	NW	1	b	•	78	52	-	
† Valencia	30.31	67	WSW	3	bm	30.35	+0.6	68	62	+8	SE	1	bm	1	72	51	-	
Roche's Point	30.29	68	SSW	1	b	30.34	+0.4	65	59	+3	N	1	b	1	73	53	-	
Pembroke	30.29	68	NW	2	b	30.33	+0.4	65	61	+1	NNE	1	bc	0	70	57	-	
† Scilly	30.28	66	ESE	2	b	30.31	+0.5	67	63	+5	ESE	1	bm	3	69	58	-	
Prawle Point	30.28	64	E	1	b	30.33	+0.4	70	60	+10	ESE	1	b	0	70	58	-	
Hurst Castle	30.28	69	W	2	b	30.33	+0.4	65	61	+4	NNE	1	b	0	72	50	-	
† Dungeness	30.26	61	E	4	b	30.28	-.00	61	60	0	W	0	m	0	66	47	-	
London	30.26	75	E	2	b	30.32	+0.1	69	61	+10	S	1	b	•	79	52	-	
Oxford	30.27	71	ESE	1	b	30.33	+0.3	66	62	+2	NE	1	b	•	76	56	-	
Cambridge	30.29	72	W	0	b	30.31	-.00	69	62	+13	N	2	b	•	82	53	-	
† Yarmouth	30.28	60	SE	2	b	30.29	-.02	63	60	+9	WSW	1	b	2	68	52	-	
The Helder																		
Cape Gris Nez	30.24	60	NE	5	b	30.30	+0.6	57	55	-1	NE	3	f	1	66	52	-	
† Jersey	30.22	67	ESE	4	bm	30.29	+0.7	67	61	+5	ESE	3	bm	3	71	57	-	
Brest	30.20	69	ESE	4	b	30.26	+0.6	62	58	+6	ESE	3	b	3	70	52	-	
Lorient	30.17	73	NE	4	b	30.27	+1.0	63	59	+4	E	3	b	1	81	54	-	
† Rochefort	30.11	80	NE	5	b	30.26	+1.2	66	61	+5	NE	5	b	2	91	57	-	
Biarritz	30.10	70	W	4	c	30.17	+1.7	66	63	0	SW	1	b	0	72	63	-	
Coruna	*	*	*	*	*													
Brussels	*	*	*	*	*	30.30	+0.3	66	59	+7	W	0	b	•	77	55	-	
Charleville	30.22	71	W	0	bc	30.30	+0.7	64	58	+2	W	0	b	•	82	52	-	
Paris	30.19	?	NE	5	b	30.28	+1.0	63	58	+3	NE	1	b	•	80	53	-	
Lyons	30.07	75	N	1	b	30.00	-.09	65	59	+3	N	1	b	•	78	61	-	
Toulon	30.07	68	SE	7	m	30.14	+1.7	73	61	+7	E	4	m	2	81	64	-	

## EXPLANATION OF COLUMNS:

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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).

† These Stations send Reports at 2 p.m. daily (Sundays excepted).



# WEATHER CHARTS

for 8 a.m. on *Saturday, 3<sup>rd</sup> July.*

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 July.  
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.827
Stornoway	29.790
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Harst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



## 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.

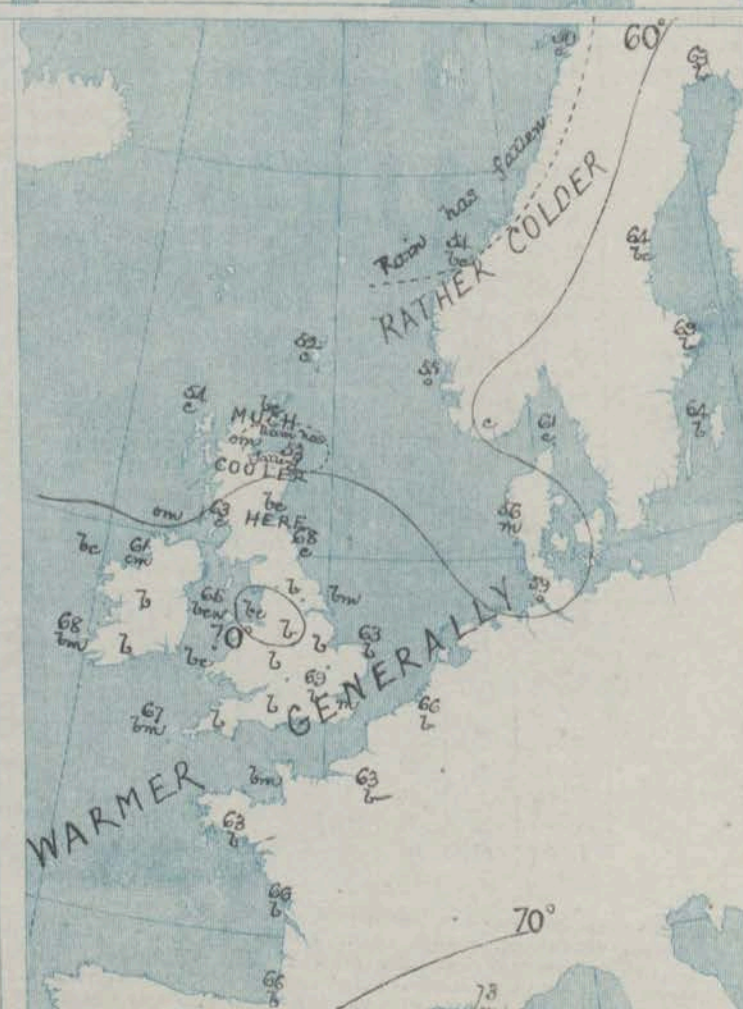
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of July

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.7	52.2	2.09
Stornoway	60.3	49.7	56.4	54.3	3.03
Wick	62.4	49.4	56.2	53.9	2.25
Nairn	65.0	51.6	57.4	53.7	2.57
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	53.6	58.8	55.5	2.63
York	68.1	52.3	59.7	56.5	2.57
Ardrossan	64.0	53.3	57.8	54.8	2.01
Donaghadee	62.9	52.0	57.7	55.9	2.07
Holyhead	64.5	55.0	58.3	56.1	2.32
Liverpool	66.4	54.6	59.8	56.1	2.99
Valencia	64.5	53.9	59.0	56.2	3.91
Roche's Point	68.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.5	56.2	2.31
Scilly	65.0	56.9	60.3	58.2	2.29
Harst Castle	67.9	56.4	61.7	59.2	2.15
Dover	67.4	57.6	63.0	59.2	1.82
LONDON	73.3	54.2	62.5	58.6	2.17
Oxford	69.9	53.7	60.4	57.1	2.51
Cambridge	72.5	52.8	61.3	58.0	2.30
Yarmouth	66.7	55.5	61.4	58.4	2.68

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





# REMARKS.

for

Saturday 3<sup>rd</sup> July 1886 at 8 a.m.

The barometer continues to rise at all but the Scandinavian and Danish stations, and a large anticyclone lies over our Islands, the North Sea and the greater part of France. Light W. breezes prevail on our north and east coasts and moderate to strong W. breezes on the eastern shores of the North Sea, but at our extreme southern and the French stations the wind remains N.E. The weather is dull in some parts of Scotland, but fine elsewhere. Since yesterday morning a little rain has fallen at Kairn and Aberdeen, and thunder has been heard at Loughborough. Temperature has fallen at most of the northern stations - rapidly in the east of Scotland - but risen elsewhere; readings over our Islands now range from 71° at Loughborough and Liverpool to 53° at Kairn and Aberdeen and 52° in the Shetlands. The highest maxima registered yesterday were 85° at York, 83° at Loughborough, 82° at Cambridge, 81° at Aberdeen and 80° at Leith and Shields. The sea is smooth generally.

No important change in the weather is likely, but the W. wind in the north is inclined to extend southwards.

## FORECASTS

For the 24 hours ending at NOON on 4<sup>th</sup> July 1886.  
(Issued at 11 a.m. on the previous day.)

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	W <sup>ly</sup> winds, light, fair generally.	6 { SCOTLAND WEST	Same as N <sup>os</sup> 0. and 1.
1 { SCOTLAND EAST	----- D <sup>o</sup> ----- D <sup>o</sup> -----	7 { ENGLAND N. W.	Same as N <sup>o</sup> 2.
2 { ENGLAND N. E.	W <sup>ly</sup> wind, light, fine generally.	8 { ENGLAND S. W.	NE <sup>ly</sup> . or variable airs, fine, warm.
3 { ENGLAND EAST	Same as N <sup>o</sup> 5.	9 { IRELAND NORTH	Same as N <sup>os</sup> 0. and 1.
4 { MIDLAND COUNTIES	Same as N <sup>o</sup> 5.	10 { IRELAND SOUTH	Light variable airs, fine warm.
5 { ENGLAND SOUTH	Variable airs, finally W <sup>ly</sup> , fine, warm.	WARNINGS	None issued



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnes	30.17	64	57	W NW	4	c	3	Holyhead	30.30	67	61	W SW	1	b	1
Sumburgh Head	30.15	65	50	W SW	3	b	3	Valencia	30.30	72	65	W SW	3	b m	3
Stornoway	30.24	55	53	SE	2	o	1	Scilly	30.28	67	61	E	2	b	3
Aberdeen	30.19	65	59	E	1	o	1	Dungeness	30.27	64	61	E	4	b	2
Shields	30.20	80	69	W	3	b c	2	London	30.28	74	64	E	1	b	*
Ardrossan	30.24	65	60	SW	1	b	1	Yarmouth	30.30	59	56	SE	2	b	2
Malin Head	30.26	62	59	W	1	b c	1	Jersey	30.22	70	60	NE	4	b	3
Mullaghmore	30.26	67	64	W	3	b	2	Rocheport	30.09	84	69	NE	5	b	2
Belmullet	30.28	65	61	SW	4	b c	*								

## REMARKS.

The barometer is falling a little in the east and south-east of England, but rising elsewhere. No important change has occurred in the winds, and fine weather continues at all stations excepting Stornoway and Aberdeen. The sea is slight or smooth on all coasts.

## CONTINENTAL INFORMATION.

The Continental Reports for yesterday morning showed a continuation of the anticyclonic system over the whole of Western and North-western Europe, while the shallow depression noticed over the Mediterranean on Thursday had moved north-eastwards to Southern Russia and grown deeper. Readings consequently varied from a little above 30.3 ins over Holland and our eastern counties to 29.6 ins at Odessa. Light winds prevailed except over the north-western shores of the Black Sea, and were chiefly W or NW in direction at the north-western stations and NE<sup>ly</sup> over France and Germany. The thermometer had fallen a little generally, and over Germany and the south-east of England it was lower at 8 am than in the surrounding districts. Temperature varied from between 68° and 75° over Italy and the south of France, to a little above 50° in the west of Norway, and to about 40° over Northern Russia. There was a small warm area over Scotland. The highest individual readings reported were 77° at Malta, 75° at Cagliari and Cape Bearn, the lowest were 54° at Bodø (north-west of Norway) and 41° at Archangel.

During the day the thermometer rose to between 80° and 85° over several of the inland parts of France and England - and to 81° for a short time at Aberdeen.



for Sunday — 4<sup>th</sup> July. 1886.  
Issued by the Meteorological Office, 116, Victoria Street, London, R. H. SCOTT, Secretary.

1886.

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

EXPLANATION OF COLUMNS

**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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).

‡ These Stations send Reports at 2 p.m. daily (Sundays excepted).



# WEATHER CHARTS

for 8 a.m. on Sunday, 4<sup>th</sup> JULY

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

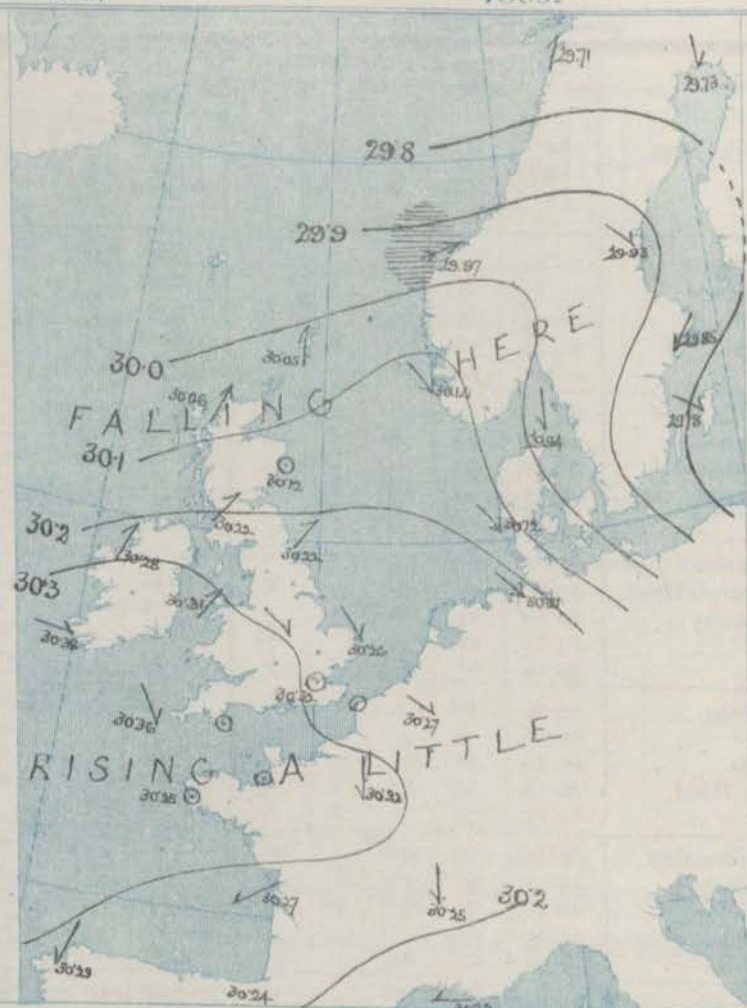
— Rough. — High.

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of July

During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS
Sumburgh Head	29.827
Stornoway	29.796
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934





for SUNDAY 4<sup>th</sup> JULY 1886 at 8 a.m.

Temperature has fallen a few degrees over Scandinavia, but risen over the greater part of our islands & France & readings now range from  $42^{\circ}$  at Loughborough, Liverpool & Bawle Point to  $40^{\circ}$  in the Shetlands. The highest maxima registered yesterday were  $86^{\circ}$  at Cambridge,  $84^{\circ}$  at Loughborough,  $83^{\circ}$  in London &  $82^{\circ}$  at Exeter.

The sea is moderate off the north of Scotland, but slight or smooth elsewhere.

for the 24 hours ending at NOON on 5<sup>th</sup> JULY 1886.  
(Issued at 11 a.m. on the previous day.)

Fredk. Dörnerfeld, Lith. London, (131)



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes	30.18	57	50	WNW	6	0	3	Holyhead	30.35	67	60	W	1	bc	1
Sumburgh Head	30.16	53	50	SW	2	N	3	Valencia	30.35	72	65	WSW	3	bc	3
Sornoway	30.28	59	54	SSE	4	b	4	Scilly	30.31	66	63	Z	0	b	0
Aberdeen	30.27	55	54	E	1	0	1	Dungeness	30.31	66	63	Z	0	b	3
Shields	30.24	70	64	NE	2	C	2	London	30.28	80	69	WNW	1	bc	*
Ardrossan	30.29	68	61	NW	3	C	2	Yarmouth	30.29	67	62	NNE	2	b	2
Malin Head	30.31	58	57	ESE	2	bc	1	Jersey	30.29	77	66	NE	2	b	2
Mullaghmore	30.33	65	61	WNW	2	bc	1	Rocheport	30.22	91	73	N	4	b	2
Belmullet	30.34	68	61	SW	2	bc	*								

## REMARKS.

No important change has occurred since the morning, but the barometer is inclined to fall slightly in many places and rain is reported from Sumburgh Head. Elsewhere the weather remains fine and bright. The sea is moderate to smooth.

## CONTINENTAL INFORMATION.

Yesterday morning's Continental Reports showed a continuation of the anticyclonic conditions over all but the extreme northwestern coasts of Europe, where there was a slight cyclonic tendency. The centre of the anticyclone lay over Ireland & readings varied from a little above 30.3 in. at the Irish stations to about 29.9 in. over Lapland & on the northern shores of the Black Sea. The winds were very light - chiefly N<sup>4</sup> at the northern stations (where some local showers occurred) and N<sup>4</sup> to NE<sup>4</sup> elsewhere, with fine warm weather.

Temperature varied from between 70° and 77° on the northern shores of the Mediterranean and Adriatic, and in several parts of the British Isles to about 50° in the northwest of Norway and to a still lower value over northern Russia. Over Austria and southwest Russia also the weather was colder and less fair than of late. The highest individual readings reported were 84° at Salina and 81° at Bistria (Albania), the lowest 43° at Archangel & 50° at Bodo.

During the day the thermometer rose to between 80° & 86° over the Central parts of France and England, to 77° at Stockholm & to 73° even at Haparanda.



# DAILY WEATHER REPORT

for Monday 5<sup>th</sup> July 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 29° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9).	SHADE TEMP.				
			Dir.	Force (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12).			Max.	Min.	Amount of Rainfall.		
Haparanda	29.65	58	Z	0	b	29.65	- .08	59	50	- 2	E	2	b	•	66	48	-		
Hernösand	29.82	58	Z	0	b	29.72	- .21	59	52	+ 4	W	2	bc	•	72	50	-		
Stockholm	29.86	59	E	2	bc	29.74	- .11	64	60	+ 8	WSW	2	b	•	70	54	-		
Wisby	29.81	55	N	4	bc	29.74	- .04	61	57	+ 4	SW	4	c	•	61	54	-		
Bodö	29.64	46	SE	2	c	29.58	- .13	68	47	- 5	SW	4	c	2	53	43	1.10		
Christiansund	29.78	50	W	2	h	29.79	- .18	50	48	- 1	WSW	6	f	4	54	46	0.24		
Skudesnæs	29.96	50	SE	4	h	29.97	- .17	53	52	- 1	NW	6	b	3	57	50	-		
Oxö (Xtiansand)	29.97	55	WSW	6	o	29.88	- .16	55	53	- 4	WSW	6	b	3	59	52	-		
Skagen (The Skaw)	29.87	55	WNW	3	o	29.82	- .12	59	56	0	NW	4	b	2	64	54	-		
Fanö	30.16	55	W	6	c	30.02	- .10	57	54	+ 1	NW	6	c	•	59	55	-		
Cuxhaven	30.21	58	NW	4	c	30.19	- .02	61	61	+ 4	WNW	3	b	•	61	57	-		
Samburgh Head	29.88	52	WSW	5	f	29.97	- .08	50	50	+ 1	WSW	3	f	5	53	47	0.31		
Stornoway	30.15	55	WNW	6	o q m	30.08	+ .02	56	55	- 1	SSW	4	om	4	61	51	0.01		
Wick	30.06	56	WNW	8	c	30.10	+ .03	65	53	- 2	NW	2	o	2	68	46	-		
Nairn	30.12	65	W	3	bc	30.13	+ .02	57	54	- 3	WSW	3	c	3	72	50	-		
Aberdeen	30.08	70	NW	2	b	30.14	+ .02	63	55	- 1	SSW	1	c	1	74	49	-		
Leith	30.16	66	W	3	b	30.21	+ .02	58	54	- 8	W	2	c	•	74	51	-		
Shields	30.15	70	W	5	c	30.22	.00	60	55	- 5	W	3	b	2	79	52	-		
Spurn Head	30.16	68	WNW	4	b	30.23	- .02	59	56	- 1	N	3	b	2	73	56	-		
York	30.20	74	W	3	b	30.25	- .02	62	55	- 8	WNW	1	b	•	82	53	-		
Loughborough	30.23	77	WNW	4	b	30.27	- .03	64	59	- 8	WNW	3	b	•	65	55	-		
Ardrossan	30.23	60	WNW	6	b	30.26	+ .04	55	52	- 4	Z	0	o	0	67	53	-		
Malin Head	30.30	55	WNW	3	o q d	30.25	+ .03	54	54	- 4	W	3	om	3	60	50	0.03		
Mullaghmore	30.35	58	W	3	o	30.31	+ .03	57	56	- 4	SW	3	om	2	64	56	-		
Belmullet	30.37	59	W	2	o	30.31	+ .01	59	57	- 1	WSW	3	o	•	63	56	0.02		
Donaghadee	30.30	62	N	3	b	30.30	+ .04	59	57	- 8	W	2	o	0	76	52	-		
Barrow-in-Furness	30.25	63	W	2	bc	30.28	.00	56	54	- 8	NW	4	c	•	66	54	-		
Liverpool (Bidston)	30.28	65	W	3	c	30.32	+ .03	57	54	- 15	WNW	3	o	3	72	53	-		
Holyhead	30.31	67	SW	2	c	30.34	+ .03	55	53	- 6	Z	0	m	2	72	51	-		
Parsonstown	30.33	73	Z	0	b	30.36	+ .02	60	57	- 5	Z	0	o	•	75	54	-		
Valencia	30.39	62	WNW	2	bc	30.38	.00	62	59	+ 1	N	2	b	2	68	56	-		
Roche's Point	30.35	66	NW	4	b	30.35	.00	59	54	- 4	N	3	b	3	73	52	-		
Pembroke	30.32	64	NW	2	bc	30.32	- .03	66	61	+ 5	NE	1	b	0	68	58	-		
Scilly	30.35	67	WNW	2	bm	30.31	- .05	63	62	- 3	WNW	1	o	2	72	58	-		
Prawle Point	30.30	76	NW	2	b	30.31	- .03	70	62	- 2	NE	1	b	0	77	57	-		
Hurst Castle	30.28	78	WNW	3	b	30.30	- .03	73	60	+ 5	ENE	2	b	0	78	57	-		
Dungeness	30.25	65	Z	0	m	30.23	- .05	65	64	- 5	WNW	2	m	1	71	57	-		
London	30.23	63	W	1	b	30.26	- .06	68	61	- 3	WNW	1	bm	•	86	58	-		
Oxford	30.25	73	NW	1	b	30.29	- .01	67	59	- 2	NW	1	b	•	84	58	-		
Cambridge	30.21	63	W	1	b	30.25	- .04	67	59	- 4	NW	1	b	•	85	53	-		
Yarmouth	30.22	67	SE	3	b	30.23	- .03	64	60	- 4	NW	1	b	1	70	56	-		
The Helder	30.17	59	WNW	1	f	30.16	- .09	60	58	+ 1	WNW	3	c	3	64	59	-		
Cape Gris Nez	30.24	67	SW	1	m	30.22	- .05	65	62	- 1	Z	0	b	0	79	59	-		
Jersey	30.31	70	NW	1	b	30.28	- .05	70	63	+ 1	NE	1	bm	1	75	58	-		
Brest	30.33	73	NW	1	b	30.31	+ .04	64	59	- 7	Z	0	b	1	82	52	-		
Lorient	30.32	74	NW	4	b	30.32	+ .02	65	61	+ 1	ENE	1	b	1	88	57	-		
Rochefort	30.28	75	WNW	4	b	30.30	+ .03	66	65	- 2	ENE	4	b	2	99	61	-		
Biarritz	30.24	73	WSW	3	b	30.22	- .02	68	64	+ 2	WSW	3	b	1	77	64	-		
Corunna	*	*	*	*	*	30.17	- .12	75	67	+ 7	ENE	1	b	4	84	61	-		
Brussels	*	*	*	*	*	30.19	- .08	67	62	+ 2	WNW	3	b	•	79	60	-		
Charleville	30.22	76	WNW	1	b	30.23	- .05	60	57	- 3	WNW	1	b	•	86	57	-		
Paris	30.26	78	NW	1	b	30.27	- .05	66	65	+ 2	W	1	b	•	84	57	-		
Lyons	30.15	77	N	3	b	30.23	- .02	69	62	+ 3	N	3	b	•	81	64	-		
Toulon	30.08	74	NW	4	f	30.08	- .05	75	62	- 2	E	3	m	1	88	64	-		

## EXPLANATION OF COLUMNS.

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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).

† These Stations send Reports at 2 p.m. daily (Sundays excepted).



# WEATHER CHARTS

for 8 a.m. on Monday, 5<sup>th</sup> JULY 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.

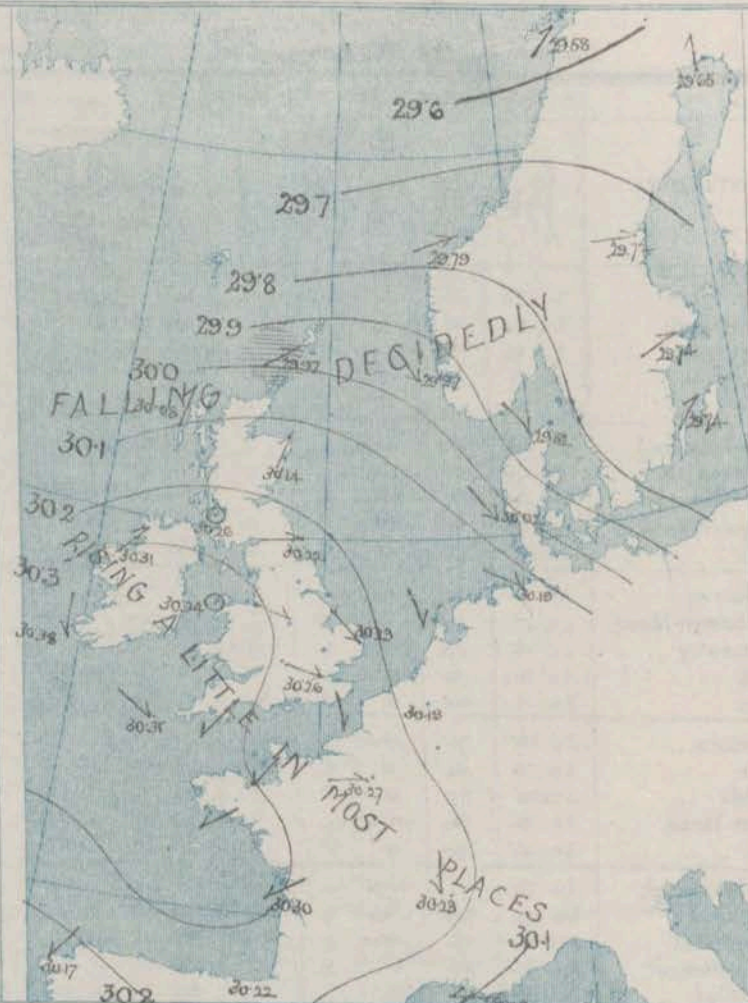
**Sea Disturbance** — where considerable, is shown thus

▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.827
Stornoway	29.799
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Rocha's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934





## REMARKS.

for MONDAY 5<sup>th</sup> JULY 1886 at 8 a.m.

The depression which was approaching our northern coast yesterday has passed away to Scandinavia but a new one is apparently advancing from the westward & the barometer is again falling in the north & northwest. A large anticyclone still lies over our western & southwestern coasts & the barometer is rising slightly in the south. Light or moderate S.W.<sup>ly</sup> breezes prevail in the north of our islands & strong breezes from the same quarter in the west of Norway, but on our south coast the wind is light from NW. or N., while in France it draws into NE. The weather is dull in the extreme northwest & north, but fine elsewhere.

A little rain fell yesterday in the northern parts of Ireland & Scotland. Temperature has risen in Sweden & Denmark but fallen elsewhere - several degrees in the north of England; readings over our islands now range from 73° at Harst Castle to 50° at Limerick Head. Barom yesterday the thermometes rose to 82° at York, 84° at Oxford, 85° at Boughborough & Cambridge & 86° in London.

The sea is rather rough at Lough Beg; slight & smooth elsewhere.

The new depression in the north will probably occasion a further extension of cool cloudy weather.

## ATLANTIC TELEGRAM

The Chief Signal Officer at Washington U.S. reports that on the 30<sup>th</sup> ult. in Lat. 45° N. Long. 55° W. the barometer at 10 am fell to 29.6 in. during a strong gale in which the wind veered from S.W. to W. Icebergs were seen on the 29<sup>th</sup> ult. in Lat. 48° N. Long. 40° W. and on the 30<sup>th</sup> in Lat. 44° N. Long. 49° W. and Lat. 44° N. Long. 50° W.

## FORECASTS

for the 24 hours ending at NOON on 6<sup>th</sup> JULY 1886.  
(Issued at 11 a.m. on the previous day.)

DISTRICTS.		FORECASTS.		DISTRICTS.		FORECASTS.	
0	SCOTLAND NORTH	S.W. to N.W. winds, freshening; cloudy, some rain.		6	SCOTLAND WEST	S.W. & N.W. winds, freshening; cloudy, rain locally.	
1	SCOTLAND EAST	S.W. and N.W. winds, moderate; fair generally.		7	ENGLAND N.W.	N.W. winds, moderate; cloudy generally.	
2	ENGLAND N.E.	Same as N° 5.		8	ENGLAND S.W.	N.W. breezes, light; fine generally.	
3	ENGLAND EAST	Same as N° 5.		9	IRELAND NORTH	Same as N° 6.	
4	MIDLAND COUNTIES	Same as N° 5.		10	IRELAND SOUTH	Same as N° 8.	
5	ENGLAND SOUTH	N.W. and N.W. winds, moderate; fine and warm at first, cloudy and cool later.		WARNINGS		NONE ISSUED.	



# YESTERDAY'S 2 P.M. REPORTS

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes	30.08	56	50	WNW	2	0	2	Rochefort					

## CONTINENTAL INFORMATION.

The Continental Reports for yesterday showed a continuation of anticyclonic conditions over the whole of Western Europe—the centre of the system being a little to the southwestward of our islands. In the extreme north & east there were large but shallow low pressure areas, but their effect on the weather was hardly appreciable except in their immediate neighbourhood. Very light NW<sup>ly</sup> to NE winds were reported over the North Sea, France & the Mediterranean, & light SW winds in the north and west of the British islands, the weather being fine & bright at almost all stations. Temperature varied from between 60° & 70° in the south of France & the shores of the Adriatic to a little above 50° in the west of Norway & to a little lower value over northern Russia. Readings had again become high over Finland & Sweden. The highest individual readings reported were 91° at Bistina (Algeria) 82° at Cagliari & 81° at Barcelona; the lowest were 50° at Skudesnaes & 44° at Archangel.

In the course of the day the thermometer rose to 85° in London & 82° at York, but did not exceed 81° at Lyon.

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

FROM THE 27<sup>th</sup> JUNE TO THE 2<sup>nd</sup> JULY 1886.

During this week the distribution of pressure over our islands & their neighbourhood has been continuously anticyclonic & the weather has therefore been fine, with a gradually increasing temperature.

The only depression observed, have been some large but shallow disturbances which have passed along in an easterly direction to the northward of our islands & then moved southeasterwards over Scandinavia.

These have occasionally produced a freshening in the SW<sup>ly</sup> wind & a little rain at our extreme northern stations, but in the south the wind has been light from the northeast & the weather fine.

At the commencement of the week the maximum readings of the thermometer over England ranged between 70° & 77° but on Thursday, the 1<sup>st</sup> July, they exceeded 80° in some places & on Saturday they were as high as 83° in London, 84° at Loughborough & 86° at Cambridge.



# DAILY WEATHER REPORT

for *Tuesday* - 6<sup>th</sup> July 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.			
			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.	Average of Rainfall.	
Haparanda	29.59	57	SW	2	c	29.56	-.09	58	49	-1	SW	4	b	•	66	45	-	
Hernösand	29.74	59	NW	2	b	29.60	-.12	56	51	-3	SE	4	o	•	68	46	0.04	
Stockholm	29.75	64	Z	0	o	29.71	-.03	65	60	+1	EW	2	o	•	72	52	-	
Wisby	29.76	60	SW	2	bc	29.74	-.02	62	58	+1	W	4	b	•	70	50	-	
Bodö	29.56	48	WSW	6	c	29.46	-.12	48	47	0	SE	2	o	1	48	45	0.28	
Christiansund	29.72	51	SSW	2	b	29.51	-.21	53	50	+3	SSW	1	o	3	54	48	0.71	
†Skudesnaes	29.97	53	SSE	2	n	29.76	-.21	54	53	+1	WSW	2	n	3	55	?	-	
Oxö (Xtiansand)	29.91	62	WSW	4	o	29.82	-.09	54	58	-1	SW	4	m	2	68	54	-	
Skagen (The Skaw)	29.84	57	WNW	4	c	29.82	-.02	58	54	-1	WNW	3	o	2	68	55	-	
Fanö	30.04	54	NW	6	c	30.00	-.04	58	55	+1	WSW	6	c	•	61	54	-	
Cuxhaven	30.15	58	NW	5	o	30.14	-.01	58	58	-3	WNW	3	bc	•	61	57	-	
†Sumburgh Head	29.86	51	WSW	5	b	29.69	-.17	50	49	0	WSW	3	o	4	53	48	0.64	
†Stornoway	29.93	58	SW	5	m	29.85	-.08	55	52	-1	SW	4	c	4	59	49	0.40	
Wick	29.94	60	NW	2	o	29.81	-.13	58	53	+3	NW	3	bc	2	61	51	0.29	
Nairn	29.95	62	WNW	3	c	29.87	-.08	56	54	-1	WNW	1	c	2	68	53	0.13	
†Aberdeen	30.02	65	E	1	b	29.84	-.18	61	58	-2	WSW	1	o	1	73	56	-	
Leith	30.10	65	NW	2	b	29.93	-.17	62	57	+4	W	4	o	•	67	56	-	
†Shields	30.14	68	W	3	bc	29.99	-.15	64	58	+4	SW	3	c	2	69	54	-	
Spurn Head	30.16	59	SE	3	b	30.08	-.08	63	59	+4	SW	3	bc	2	68	56	-	
York	30.18	68	W	3	b	30.09	-.09	63	59	+1	WSW	3	bc	•	75	54	-	
Loughborough	30.20	73	W	3	b	30.12	-.08	69	62	+5	W	2	b	•	76	50	-	
†Ardrossan	30.13	61	SSW	2	bc	29.97	-.16	56	56	+1	SSW	4	n	3	65	55	-	
Malin Head	30.12	59	WNW	5	m	29.98	-.14	55	55	+1	WNW	3	bc	3	64	56	0.17	
†Mullaghmore	30.20	62	W	3	c	30.04	-.16	60	59	+3	WSW	4	o	3	66	57	0.12	
Belmullet	30.21	60	WSW	4	o	30.06	-.15	58	57	-1	NW	3	o	•	63	58	0.08	
Donaghadee	30.17	69	W	2	bc	30.04	-.13	62	60	+3	WNW	3	c	1	72	57	-	
Barrow-in-Furness	30.20	60	SW	2	b	30.09	-.11	58	57	+2	WSW	3	c	•	61	55	-	
Liverpool (Bidston)	30.24	62	WNW	2	bc	30.12	-.12	61	57	+4	W	3	o	3	64	57	-	
†Holyhead	30.25	61	SW	1	b	30.12	-.13	60	58	+5	SSW	3	bc	2	63	51	-	
Parsonstown	30.24	68	W	1	b	30.12	-.12	61	59	+1	SW	1	bc	•	73	50	-	
†Valencia	30.30	65	WSW	2	bc	30.15	-.15	64	62	+2	SW	2	o	3	69	59	0.02	
Roche's Point	30.25	67	NW	1	b	30.16	-.09	62	58	+3	WNW	2	c	2	74	54	-	
Pembroke	30.26	65	WNW	1	b	30.17	-.09	59	59	-7	WSW	1	f	0	70	58	-	
†Seilly	30.27	65	WNW	2	c	30.20	-.07	63	61	0	WNW	1	e	3	70	48	-	
Prawle Point	30.24	69	W	2	b	30.17	-.07	68	60	-2	SW	1	b	0	73	60	-	
Hurst Castle	30.24	68	SW	4	b	30.17	-.07	67	64	-6	2	o	b	0	78	55	-	
†Dungeness	30.20	69	SSW	1	b	30.15	-.05	71	68	+6	2	o	m	0	74	52	-	
London	30.19	76	NW	2	b	30.15	-.04	69	61	+1	W	1	b	•	81	53	-	
Oxford	30.20	70	NW	1	b	30.15	-.05	69	63	+2	SSW	1	b	•	77	52	-	
Cambridge	30.18	73	NW	1	b	30.13	-.05	69	62	+2	W	1	b	•	81	51	-	
†Yarmouth	30.21	60	SE	3	b	30.12	-.09	65	60	+1	W	1	b	2	65	54	-	
The Helder	30.19	59	WNW	1	bc	30.10	-.09	61	58	+1	SW	3	c	2	63	50	-	
Cape Gris Nez	?	67	Z	0	b	30.15	-.07	61	60	-4	S	1	m	0	75	59	-	
†Jersey	30.23	71	WNW	2	bc	30.17	-.06	66	61	-4	ESE	1	bc	1	77	58	-	
Brest																		
Lorient	30.23	74	WNW	4	b	30.17	-.06	63	62	-2	E	4	b	2	86	55	-	
†Rochefort	30.22	75	NW	4	b	30.17	-.06	71	66	+5	ESE	3	b	2	97	64	-	
Biarritz	30.13	77	N	1	b	30.06	-.11	71	69	+3	E	1	b	0	81	66	-	
Corutna	*	*	*	*	*													
Brussels	*	*	*	*	*	30.14	-.05	65	60	-2	SW	1	m	•	77	56	-	
Chapleville																		
Paris																		
Lyons	30.14	78	NE	1	b	30.13	-.01	70	61	+1	N	1	b	•	82	62	-	
Toulon																		

## EXPLANATION OF COLUMNS.

**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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).  
 ‡ These Stations send Reports at 2 p.m. daily (Sundays excepted).



# WEATHER

# CHARTS

for 8 a.m. on

Tuesday, 6<sup>th</sup> JULY.

1886.

## BAROMETER, WIND & SEA.

(Explanation of Map)

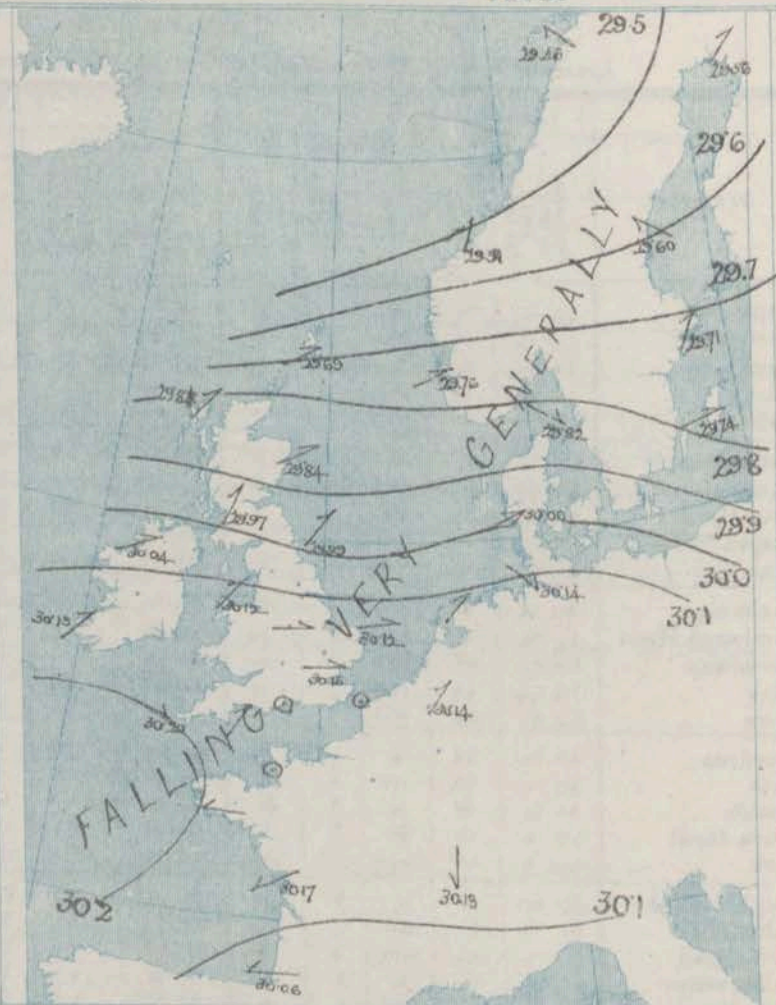
**Barometer** — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 — forces above 10; — forces 8 to 10;  
 — forces 5 to 7; — forces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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.827
Stornoway	29.799
Wick	29.818
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



## 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 July

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.7	52.2	2.09
Stornoway	50.3	40.7	50.4	54.3	3.02
Wick	52.4	40.4	56.2	53.9	2.25
Nairn	55.0	51.6	57.4	53.7	2.57
Aberdeen	54.4	51.7	57.9	54.4	2.74
Leith	58.0	52.0	59.1	55.9	2.84
Shields	64.6	53.6	58.8	55.5	2.63
York	58.1	52.3	59.7	56.5	2.67
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.9	2.67
Holyhead	64.5	55.0	58.3	56.1	2.32
Liverpool	66.4	54.6	59.8	56.1	2.99
Valencia	64.5	53.9	59.0	56.2	3.91
Roche's Point	68.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.5	56.2	2.31
Scilly	65.0	56.9	60.3	58.2	2.29
Hurst Castle	67.9	56.4	61.7	59.2	2.15
Dover	67.4	57.5	63.0	59.2	1.82
LONDON	73.3	54.2	62.5	58.6	2.17
Oxford	69.8	53.7	60.4	57.1	2.51
Cambridge	72.5	52.8	61.3	58.0	2.30
Yarmouth	66.7	55.5	61.4	58.4	2.68

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





# REMARKS.

For

Tuesday 6<sup>th</sup> July 1886 at 8 a.m.

The anticyclone which lay over our west and south-west coasts yesterday has moved southwards to the Bay of Biscay, a large area of low-pressure has appeared off the coast of Norway, and the barometer is now falling generally. The wind is E<sup>ly</sup> in France and SE<sup>ly</sup> at Bordeaux and Harwich, but SW<sup>ly</sup> or W<sup>ly</sup> elsewhere; in force it is light or moderate generally. The weather is dull at the Scandinavian and several of our northern stations, with rain at Skudesnäs and Andasson but elsewhere conditions remain fine. Rain fell yesterday on our north and north-west coasts, the largest amount being 0.8 in at Edinburgh Head. Temperature has risen a little at some of the English and Irish stations, but fallen slightly in most other localities, readings now range from 71° at Buzenness to 50° in the Shetlands. The highest maxima registered yesterday were 81° in London and at Cambridge, 78° at Hurst Castle, 77° at Clifton and 76° at Loughborough. The sea is moderate off the north of Scotland but slight or smooth elsewhere.

The distribution of pressure is gradually becoming cyclonic and an afternoon of cloudy, unsettled weather will probably take place shortly.

## FORECASTS

for the 24 hours ending at NOON on 7<sup>th</sup> July 1886.  
(Issued at 11 a.m. on the previous day.)

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SW <sup>ly</sup> and W <sup>ly</sup> winds, moderate, cloudy, rain locally.	6 { SCOTLAND WEST	Same as N <sup>os</sup> 0 and 1.
1 { SCOTLAND EAST	-----D°-----D°-----	7 { ENGLAND N. W.	Same as N <sup>os</sup> 0 and 1.
2 { ENGLAND N. E.	Same as N <sup>o</sup> 5.	8 { ENGLAND S. W.	W <sup>ly</sup> winds, light or moderate, cloudy generally.
3 { ENGLAND EAST	Same as N <sup>o</sup> 5.	9 { IRELAND NORTH	Same as N <sup>os</sup> 0 and 1.
4 { MIDLAND COUNTIES	Same as N <sup>o</sup> 5.	10 { IRELAND SOUTH	Same as N <sup>os</sup> 0 and 1.
5 { ENGLAND SOUTH	SW <sup>ly</sup> and W <sup>ly</sup> winds, moderate, fine at first, less settled later.	WARNINGS	None issued.



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes	30.04	55	52	WNW	4	0	3	Holyhead	30.31	61	57	2	0	3	0
Sumburgh Head	29.91	62	52	WSW	5	1	6	Valencia	30.35	67	63	W	2	6	2
Stornoway	30.04	59	57	SW	4	0	4	Scilly	30.30	68	66	WNW	2	c	2
Aberdeen	30.08	68	57	SSW	1	a	1	Dungeness	30.24	69	66	2	0	m	0
Shields	30.17	68	62	SW	2	b	2	London	30.23	78	61	WNW	3	6	*
Ardrossan	30.22	62	59	W	2	c	2	Yarmouth	30.24	62	59	NE	3	6	3
Malin Head	30.17	61	58	WNW	4	0	5	Jersey	30.27	75	64	WNW	1	6	1
Mullaghmore	30.25	65	60	W	4	6	2	Rochefort	30.27	82	73	W	3	6	1
Belmullet	30.28	68	59	SW	3	c	*								

## REMARKS.

The barometer is rising slightly in the SE. of England, but falling elsewhere. Very little change has occurred in the winds, and fine weather continues at all but our extreme northern stations, where rain is falling. The sea is rough at Sumburgh Head, moderate to smooth elsewhere.

## CONTINENTAL INFORMATION.

The Continental Reports for yesterday morning showed that pressure varied from a little above 30.3 ins over Brittany and the extreme south-west of the British Islands to 29.6 ins over Lapland, but that further to the north-eastward the barometer stood rather higher. Fine bright warm weather and W to NE breezes were felt over the whole of Western Europe, but NW winds and less settled weather over Finland, the Baltic Provinces and Germany - severe thunderstorms having occurred over some parts of Germany and Austria, with heavy local rains. Temperature varied from between 68° and 77° over the west and south of France to about 50° in the north-west of Norway and the north of Russia. The highest individual readings reported were 84° and 85° at Biskra and Annaba (Algeria) and at Alicante, and 75° at Cagliari and Livorno; the lowest were 47° at Bodo and 52° at Archangel.

During the day the shaded thermometer rose to 86° at Lorient 82° at Lyons and 81° at Cambridge and in London. At Biskra (Algeria) it had been as high as 116° and at Saphorat 108° on Sunday.



# DAILY WEATHER REPORT

for Wednesday— 7<sup>th</sup> July 1886.

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

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 5 p.m. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.		
			Direc.	Force. (0 to 12).		Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.			
Haparanda	29.41	52	E	2	r	29.25	-.31	53	54	0	S	2	c	•	63	52	0.43		
Hernösand	29.39	56	2	0	o	29.41	-.19	56	49	0	NNW	6	m	•	69	48	0.35		
Stockholm	29.58	59	SW	2	r	29.56	-.15	59	55	-6	WNW	6	b	•	72	54	0.04		
Wisby	29.69	62	W	6	o	29.65	-.09	57	52	-5	W	6	b	•	70	55	—		
Bodö	29.30	47	N	2	r	29.31	-.15	49	49	+1	SW	2	c	1	50	45	0.28		
Christiansund	29.49	49	WSW	6	r	29.49	-.02	50	49	-3	WSW	6	r	4	?	46	0.39		
† Skudesnaes	29.92	53	W	4	o	29.76	-.00	55	52	+1	WSW	4	o	3	59	52	—		
Öxö (Xtiansand)	29.76	55	WSW	6	b	29.81	-.01	54	53	0	SW	4	o	3	55	50	—		
Skagen (The Skaw)	29.67	55	WNW	5	b	29.79	-.03	58	52	0	WNW	6	b	2	?	?	—		
Fanö	29.93	57	W	4	b	29.89	-.11	61	59	+3	WSW	3	b	•	64	55	—		
Cuxhaven	30.06	63	WNW	2	c	30.01	-.13	64	63	+6	S	2	b	•	67	?	—		
† Sumburgh Head	29.70	51	SW	5	c	29.66	-.03	51	49	+1	SSW	4	c	4	55	41	0.05		
† Stornoway	29.84	56	WSW	5	cq	29.76	-.09	50	49	-5	WSW	4	cf	4	58	48	0.06		
Wick	29.81	58	W	2	o	29.73	-.08	56	53	-2	W	4	o	1	62	50	0.02		
Nairn	29.87	60	WSW	2	c	29.76	-.11	56	51	0	SW	3	c	1	65	51	—		
† Aberdeen	29.87	62	S	1	b	29.81	-.03	59	52	-2	S	2	c	1	67	45	0.04		
Leith	29.91	65	W	3	b	29.87	-.06	58	52	-4	W	1	c	•	69	51	—		
† Shields	29.96	66	WNW	3	a	29.93	-.06	56	51	-8	W	2	c	2	74	49	—		
Spurn Head	29.99	67	NW	3	b	29.94	-.14	58	53	-5	NNE	3	cf	2	70	55	—		
York	30.02	62	W	3	b	29.96	-.13	62	56	-1	W	1	b	•	73	56	—		
Loughborough	30.01	77	W	3	b	29.97	-.15	65	62	-4	WNW	2	c	•	82	58	—		
† Ardrossan	29.98	61	W	4	b	29.91	-.06	54	53	-2	WSW	3	o	2	62	53	0.19		
Malin Head	29.99	52	WNW	3	b	29.89	-.09	54	53	-1	W	3	op	2	62	51	0.02		
† Mullaghmore	30.06	60	WNW	4	bv	29.95	-.09	58	55	-2	SW	5	o	3	62	56	—		
† Belmullet	30.07	60	W	3	b	29.97	-.09	58	55	0	W	3	o	•	63	54	0.01		
Donaghadee	30.02	56	NE	2	o	29.97	-.07	57	54	-5	W	3	c	1	70	51	—		
Barrow-in-Furness	30.01	59	SW	2	r	29.98	-.11	55	52	-3	W	1	b	•	64	52	0.03		
Liverpool (Bidston)	30.01	67	W	2	b	29.99	-.13	59	54	-2	WNW	1	o	2	70	55	—		
† Holyhead	30.04	57	SW	4	nm	30.01	-.11	57	56	-3	W	1	cm	2	63	53	0.06		
Parsonstown																			
† Valencia	30.11	64	NW	3	c	30.04	-.11	61	58	-3	WNW	1	c	1	67	52	0.03		
Roche's Point	30.08	63	W	2	c	30.03	-.12	60	57	-2	S	1	c	2	68	52	—		
Pembroke	30.09	62	WSW	2	b	29.98	-.19	57	57	-2	NW	2	f	1	63	56	—		
† Scilly	30.11	66	WNW	2	b	30.02	-.18	63	61	0	WNW	2	c	4	68	58	0.02		
Prawle Point	30.08	70	WSW	2	b	30.00	-.17	61	59	-7	S	1	b	0	74	56	—		
Hurst Castle	30.07	69	SW	3	b	29.98	-.19	65	62	-2	NNE	1	b	0	73	54	—		
† Dungeness	30.07	64	WSW	2	b	29.97	-.16	61	59	-10	WSW	1	m	0	72	56	—		
† London	30.01	81	NW	2	b	29.97	-.18	67	61	-2	NW	1	b	•	85	57	—		
Oxford	30.03	71	SW	2	b	29.98	-.17	63	60	-6	WSW	1	c	•	82	54	—		
Cambridge	30.00	76	W	1	b	29.95	-.18	70	64	+1	NW	1	b	•	87	54	—		
† Yarmouth	30.01	80	WNW	2	b	29.95	-.17	67	63	+2	2	0	b	1	81	61	—		
The Helder	30.03	63	SW	1	c	29.94	-.16	64	61	+3	SW	1	b	1	70	57	—		
Cape Gris Nez	30.07	72	SW	1	b	29.96	-.19	64	62	+3	2	0	b	0	75	59	—		
† Jersey	30.08	70	NNE	2	nm	29.99	-.18	68	61	-1	2	0	b	0	76	57	—		
Brest																			
Lorient	30.08	75	WNW	1	b	30.01	-.16	63	58	0	ENE	3	b	1	90	55	—		
† Rochefort	30.05	78	N	4	b	30.00	-.17	68	65	+3	ENE	4	o	2	97	61	—		
Biarritz	29.93	89	ENE	4	b	29.91	-.15	73	68	+2	W	4	tl	1	93	70	0.12		
Coruna	*	*	*	*	*														
Brussels	*	*	*	*	*	29.98	-.16	72	61	+7	SSW	1	o	•	79	61	—		
Charleville	30.02	77	N	1	b	30.03	-.11	62	59	-3	N	1	b	•	84	52	—		
Paris	30.08	77	NE	1	b	29.97	-.22	65	60	0	SE	4	m	•	84	54	—		
Lyons	30.02	81	N	1	b	30.00	-.13	70	63	0	SE	1	b	•	84	60	—		
Toulon	30.02	69	2	0	m	30.06	-.01	68	66	+3	SE	4	m	2	79	65	—		

## EXPLANATION OF COLUMNS.

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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).  
 ‡ These Stations send Reports at 2 p.m. daily (Sundays excepted).



# WEATHER CHARTS

for 8 a.m. on WEDNESDAY 7<sup>th</sup> JULY

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 —

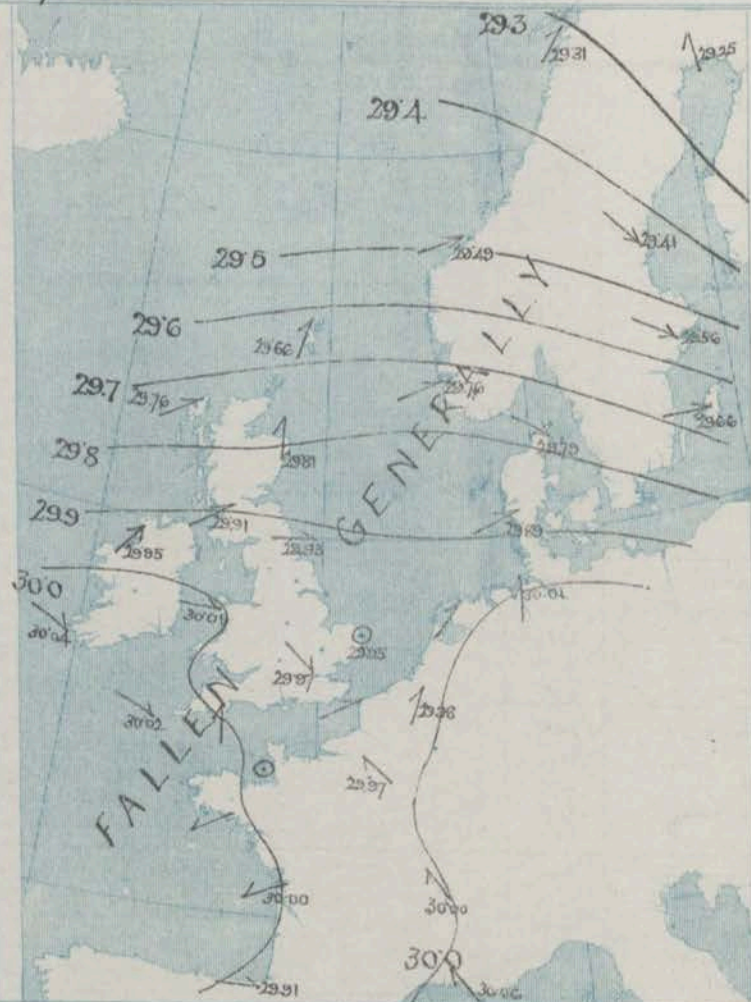
→ = forces above 10; → = forces 8 to 10;  
 → = forces 5 to 7; → = forces 1 to 4;  
 ○ = dead calm.

**Sea Disturbance** — Where considerable, is shown thus:  
 [Symbol] = Rough. [Symbol] = High

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.827
Stornoway	29.799
Wick	29.813
Nairn	29.824
Aberdeen	29.820
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Rochie's Point	29.910
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.981
Dover	29.969
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



## 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.

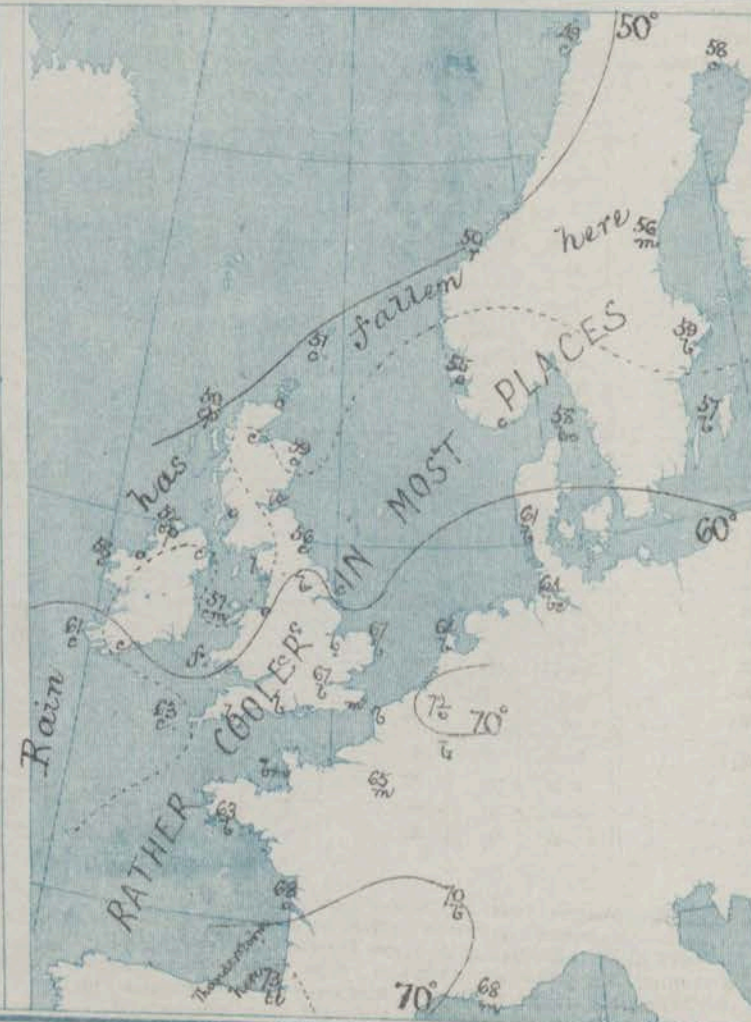
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of July

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m. Dry.	At 8 a.m. Wet.	
Sumburgh Head	57.9	48.5	53.7	52.2	2.09
Stornoway	60.3	49.7	56.4	54.3	3.02
Wick	62.4	49.4	56.2	53.9	2.25
Nairn	63.0	51.6	57.4	53.7	2.57
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	53.6	58.8	55.5	2.63
York	68.1	52.3	59.7	56.6	2.57
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.9	2.07
Holyhead	64.5	55.0	58.3	56.1	2.32
Liverpool	66.4	54.6	59.8	56.1	2.90
Valencia	64.5	53.9	59.0	56.2	3.91
Rochie's Point	68.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.5	56.2	2.31
Scilly	65.0	56.9	60.3	58.2	2.29
Hurst Castle	67.9	56.4	61.7	59.2	2.15
Dover	67.4	57.6	63.0	59.2	1.82
LONDON	73.3	54.2	62.6	58.6	2.17
Oxford	69.9	53.7	60.4	57.1	2.51
Cambridge	72.5	52.8	61.3	58.0	2.30
Yarmouth	68.7	55.5	61.4	58.4	2.68

NOTE — The Temperature means are for the 10 years 1871—80, the Rainfall means are mainly those for the 20 years 1865—86





for WEDNESDAY 7<sup>th</sup> JULY 1886 at 8 a.m.

The area of reduced pressure which is forming over England will probably occasion unsettled stormy weather in many places.

for the 24 hours ending at NOON on 8<sup>th</sup> JULY. 1886.  
(Issued at 11 a.m. on the previous day.)

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S <sup>W</sup> & N <sup>W</sup> winds, moderate; changeable, some showers.	6	SCOTLAND WEST	Same as N <sup>o</sup> 0 and 1.
1	SCOTLAND EAST	-----D-----D'-----D'-----	7	ENGLAND N. W.	Same as N <sup>o</sup> 2.
2	ENGLAND N. E.	Light breezes, chiefly W <sup>W</sup> , unsettled, some showers, thunder locally.	8	ENGLAND S. W.	W <sup>W</sup> & NW <sup>W</sup> winds, light, unsettled, some showers, thunder locally.
3	ENGLAND EAST	Same as N <sup>o</sup> 5.	9	IRELAND NORTH	Same as N <sup>o</sup> 0 & 1.
4	MIDLAND COUNTIES	Same as N <sup>o</sup> 5.	10	IRELAND SOUTH	Same as N <sup>o</sup> 8.
5	ENGLAND SOUTH	Light variable air; weather becoming unsettled, with thunderstorms locally.	WARNINGS		NONE ISSUED.



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		
Skudesnaes	29.78	57	58	W	6	c	1	Holyhead	30.09	62	58	SSW	4	c qf	2
Sumburgh Head	29.68	53	51	SW	5	c	5	Valencia	29.11	67	60	rw	3	b c	3
Stornoway	29.86	57	53	WSW	5	c qf	4	Scilly	30.16	68	64	rw	2	b	4
Aberdeen	29.87	64	58	SE	2	b c	1	Dungeness	30.12	67	64	W	2	m	1
Shields	29.97	70	61	W	3	c	2	London	30.07	83	65	W	2	b	*
Ardrossan	29.98	60	57	W	4	c	3	Yarmouth	30.05	79	65	W	4	b	2
Malin Head	30.00	61	57	WNW	3	c	3	Jersey	30.12	75	66	Z	0	b	0
Mullaghmore	30.06	61	58	W	3	c	2	Rocheport	30.12	83	73	rw	4	b	1
Belmullet	30.09	60	54	rw	2	c	*								

## REMARKS.

The barometer is now rising again in the northwest and north, but elsewhere it continues to fall. The SW winds have freshened a little on our extreme northern coasts, with squally, showery weather at Stornoway; elsewhere no important change is shown. The sea is rather rough at Sumburgh Head, moderate to smooth elsewhere.

## CONTINENTAL INFORMATION.

Yesterday morning's Continental Reports showed that pressure was still highest (30.1 in. & upwards) over Western Europe and lowest in the extreme north and east. The gradients, however, had become rather steeper than of late, and the barometer had begun to fall somewhat decidedly over Spain and France. Temperatures varied from between 68° & 75° over Southern Europe to rather below 50° in Lapland & the northwest of Norway; over Austria the north of France, Ireland & England it varied from 60° to 70°, and a band of high values extended thence in a northeasterly direction over Denmark & the Baltic, so that even at Helmsfors the thermometer stood at 74° and at Uleaborg 67°. The highest individual readings reported were 85° at Bilbao and Barcelona, 84° at Cetta, 81° at Oporto, 80° at Biskra & Laghout (Algeria); the lowest 48° at Bodo & 50° at Sumburgh Head. The report from Archangel is not to hand.

During the day the thermometer rose to between 90° and 97° in the west of France, to 87° at Cambridge, 85° in London, 84° at Paris & Lyons and 82° at Loughborough (Leicestershire).



# DAILY WEATHER REPORT

for Thursday - 8<sup>th</sup> July 1886.

Issued by the Meteorological Office, 116, Victoria Street, London, R. M. 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.		
Haparanda	29.24	54	2	0	bc	29.33	+ .08	54	49	- 4	W	2	bc	•	64	50	0.04		
Hernösand	29.47	58	W	2	c	29.50	+ .09	56	50	0	NW	2	bc	•	73	50	0.08		
Stockholm	29.62	60	NW	1	bc	29.58	+ .02	61	58	+ 2	W	4	bc	•	70	54	—		
Wisby	29.67	60	WSW	4	bc	29.65	— .00	61	58	+ 4	W	4	bc	•	68	55	—		
Bodö	29.28	49	SSW	2	bc	29.34	+ .03	46	43	- 3	WSW	6	o	3	54	?	0.32		
Christiansund	29.52	47	W	3	bc	29.54	+ .05	48	46	- 2	SSW	3	bc	3	?	43	1.45		
Skudesnaes	29.71	52	WSW	2	o	29.70	- .06	54	50	- 1	W	4	o	3	55	?	—		
Oxö (Xtiansand)	29.71	56	WSW	6	o	29.69	- .12	54	52	0	SW	4	o	2	57	50	—		
Skagen (The Skaw)	29.71	55	WNW	2	c	29.68	- .11	57	52	- 1	WNW	3	c	1	64	54	—		
Fanö	29.90	54	W	3	bc	29.75	- .13	58	54	- 3	NW	2	c	•	66	52	—		
Cuxhaven	29.91	65	NNW	1	bc	29.80	- .21	61	59	- 3	NNE	3	bc	•	71	60	—		
Sumburgh Head	29.64	51	WSW	3	c	29.66	— .00	49	46	- 2	NW	2	o	3	56	41	0.04		
Stornoway	29.76	52	WSW	4	bc	29.82	+ .06	48	47	- 2	NNW	4	bc	3	58	45	0.06		
Wick	29.74	50	NW	2	bc	29.75	+ .02	54	53	- 2	NW	3	bc	2	61	43	0.10		
Nairn	29.74	55	W	3	c	29.75	- .01	53	50	- 3	W	1	c	1	62	46	—		
Aberdeen	29.75	57	ENE	1	c	29.76	- .05	58	52	- 1	NW	1	c	1	67	47	—		
Leith	29.80	59	NW	3	c	29.80	- .07	58	52	0	NW	1	c	•	65	48	—		
Shields	29.83	64	W	3	c	29.78	- .15	55	50	- 1	WNW	2	c	2	66	52	—		
Spurn Head	29.84	58	ESE	4	bc	29.78	- .16	56	53	- 2	N	4	cm	2	61	55	0.09		
York	29.85	67	W	2	bc	29.86	- .10	56	52	- 6	NNW	2	o	•	72	51	—		
Loughborough	29.85	65	NW	2	bc	29.81	- .16	57	52	- 8	W	2	bc	•	76	52	0.05		
Ardrossan	29.85	57	W	4	o	29.83	- .08	58	52	+ 4	NNW	3	c	2	60	51	0.01		
Malin Head	29.86	53	WNW	3	bc	29.86	- .03	54	51	0	NW	2	bc	2	59	50	0.04		
Mullaghmore	29.92	57	WNW	5	o	29.91	- .04	57	53	- 1	NW	5	c	4	61	56	0.01		
Belmullet	29.95	57	WNW	3	o	29.96	- .01	54	51	- 4	NW	3	c	•	60	51	0.04		
Donaghadee	29.89	54	NE	1	o	29.87	- .10	54	52	- 3	N	2	bc	o	63	51	0.01		
Barrow-in-Furness	29.88	60	W	2	bc	29.84	- .14	55	51	0	NW	3	bc	•	62	53	—		
Liverpool (Bidston)	29.89	62	WNW	2	bc	29.85	- .14	57	51	- 2	NW	2	c	3	66	55	—		
Holyhead	29.91	60	SSW	1	c	29.88	- .13	57	53	0	NNW	3	bc	2	63	53	—		
Parsonstown	29.92	62	2	o	o	29.95	- .06	56	51	- 1	NW	1	c	•	66	50	—		
Valencia	30.07	59	NW	1	o	30.01	- .03	55	52	- 6	WNW	2	bc	2	66	53	0.11		
Roche's Point	30.00	61	WNW	3	o	29.98	- .05	57	53	- 2	NW	3	bc	3	66	51	—		
Pembroke	29.93	58	NW	2	bc	29.92	- .06	56	53	- 1	N	4	bc	2	65	53	0.05		
Scilly	29.95	63	W	2	c	29.91	- .11	60	58	- 3	NNW	5	c	4	68	58	0.10		
Prawle Point	29.87	67	WNW	2	bc	29.86	- .14	64	58	+ 3	WNW	2	bc	2	72	52	—		
Hurst Castle	29.86	66	WSW	5	bc	29.81	- .17	63	58	- 2	NNE	3	bc	1	78	57	—		
Dungeness	29.83	66	WSW	2	bc	29.73	- .24	63	60	+ 2	NNW	3	o	1	71	57	—		
London	29.80	80	N	2	bc	29.77	- .20	60	56	- 7	NNW	2	o	•	83	53	—		
Oxford	29.82	66	NW	3	bc	29.80	- .18	62	55	- 1	N	3	bc	•	76	58	—		
Cambridge	29.80	76	E	1	bc	29.78	- .17	59	57	- 11	N	1	bc	•	80	56	—		
Yarmouth	29.87	63	NE	2	bc	29.74	- .21	56	54	- 11	NNE	4	c	3	69	54	0.26		
The Helder	29.85	60	?	2	bc	29.74	- .20	60	56	- 4	ENE	3	o	3	68	55	—		
Cape Gris Nez	29.80	67	SW	1	bc	29.69	- .27	63	61	- 1	SW	5	o	4	75	58	—		
Jersey	29.90	64	WNW	3	bc	29.86	- .13	60	57	- 5	WNW	3	bc	3	71	54	—		
Brest	29.95	64	N	3	bc	29.90	—	56	56	—	NNW	4	bc	4	66	52	0.04		
Lorient	29.91	71	NW	4	bc	29.88	- .13	60	57	- 3	NE	1	bc	2	79	54	—		
Rochefort	29.92	70	NW	5	bc	29.97	- .03	65	62	- 3	NW	4	bc	2	84	59	—		
Biarritz	29.93	73	WSW	5	c	30.01	+ .10	69	64	- 4	WNW	5	o	2	84	68	—		
Corunna	*	*	*	*	*	30.13	—	62	62	—	WNW	3	o	3	72	59	0.04		
Brussels	*	*	*	*	*	29.89	- .19	66	62	- 6	WSW	4	c	•	82	63	0.12		
Charleville	29.88	80	S	1	bc	29.76	- .27	64	60	+ 2	SSW	1	bc	•	86	53	—		
Paris	*	*	*	*	*	29.81	- .16	63	59	- 2	WSW	1	bc	•	86	58	—		
Lyons	*	*	*	*	*	29.88	- .12	66	63	- 4	W	1	o	•	86	63	0.08		
Toulon	30.04	67	SE	4	bc	29.87	- .19	70	66	+ 2	ESE	4	cm	3	79	64	—		

## EXPLANATION OF COLUMNS.

**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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).  
 ‡ These Stations send Reports at 2 p.m. daily (Sundays excepted).

Printed by George and John, London



# WEATHER CHARTS

for 8 a.m. on *Thursday 8<sup>th</sup> JULY* 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.

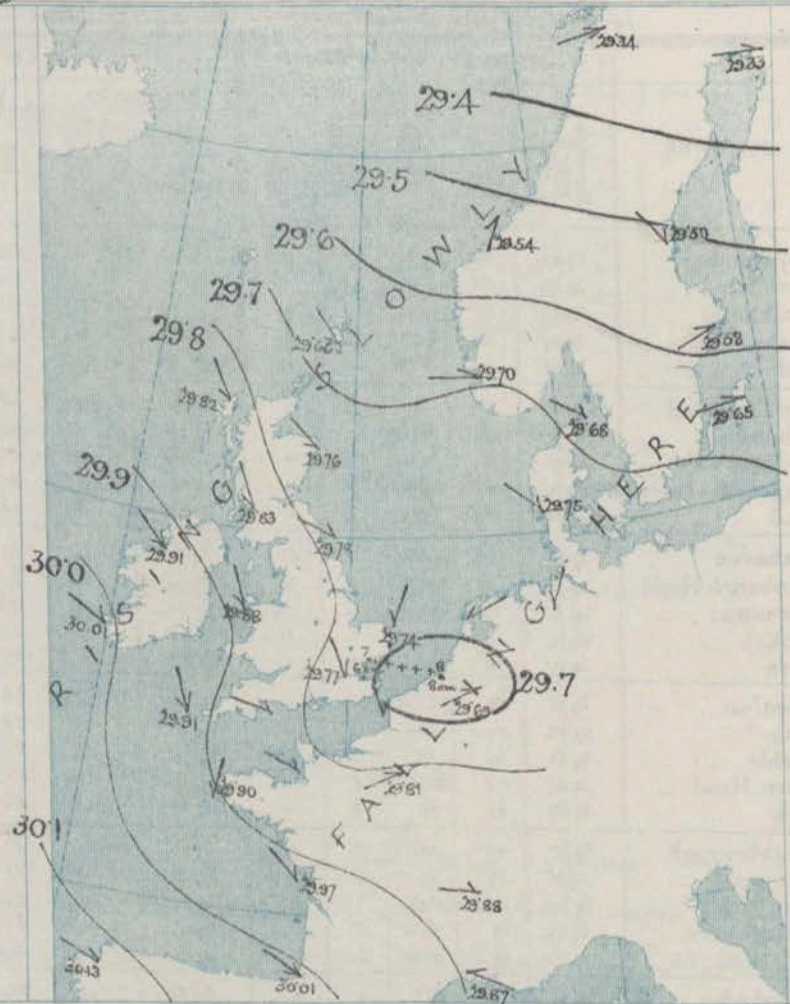
**Sea Disturbance**—where considerable, is shown thus

▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	<i>181.</i>
Sumburgh Head	29.827
Stornoway	29.799
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.894
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Rocha's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



## 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.

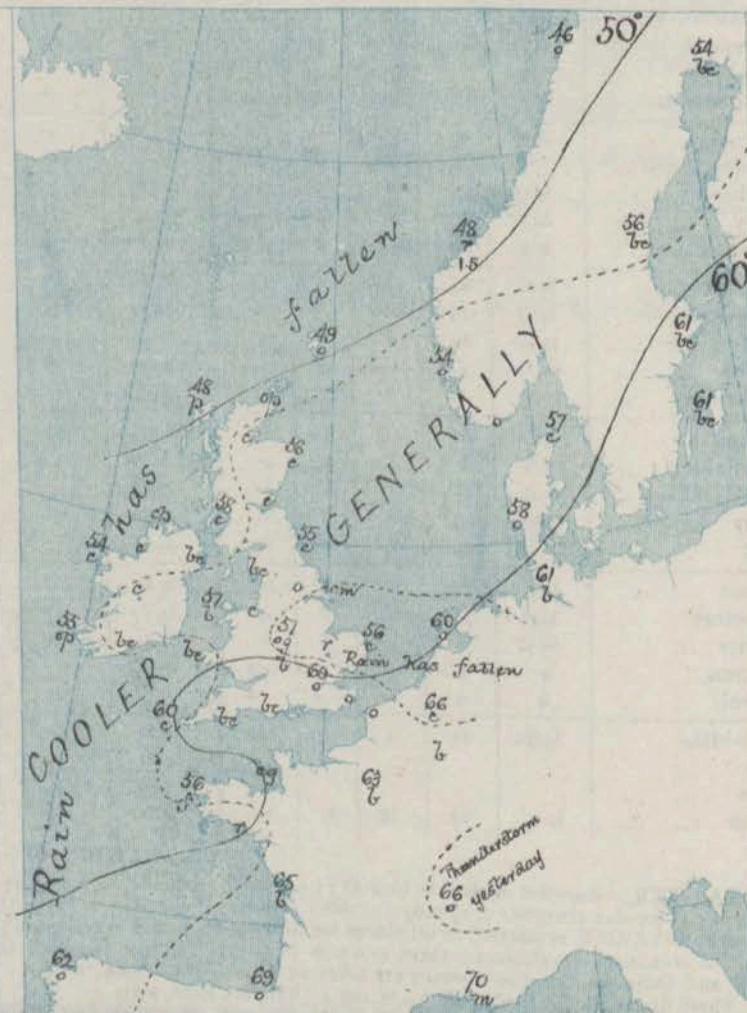
**Rainfall**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of *July*.

STATIONS	TEMPERATURE				RAINFALL. (inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.7	52.2	2.09
Stornoway	60.3	49.7	56.4	54.3	3.02
Wick	62.4	49.4	56.2	53.9	2.25
Nairn	65.0	51.6	57.4	53.7	2.57
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	53.6	58.3	55.5	2.63
York	68.1	52.3	59.7	56.5	2.67
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	56.9	2.87
Holyhead	64.5	55.0	58.3	56.1	2.32
Liverpool	66.4	54.6	59.8	56.1	2.99
Valencia	64.5	53.9	59.0	56.2	3.91
Roche's Point	68.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.5	56.2	2.31
Scilly	65.0	56.9	60.3	58.2	2.29
Hurst Castle	67.9	56.4	61.7	59.2	2.16
Dover	67.4	57.5	63.0	59.2	1.82
LONDON	73.3	54.2	62.5	58.6	2.17
Oxford	69.9	53.7	60.4	57.1	2.51
Cambridge	72.5	52.8	61.3	58.0	2.30
Yarmouth	66.7	55.5	61.4	58.4	2.68

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





# REMARKS.

for THURSDAY 8<sup>th</sup> JULY 1886 at 8 a.m.

The area of relatively low pressure noticed over England yesterday morning has since developed into a definite depression. The centre of this, now passing away over Holland, but the barometer continues to fall slowly at all but our northern stations; and while the lowest pressures are still found in the extreme north, the highest are lying off the southwest of Ireland. Moderate NW or N<sup>W</sup> breezes are reported over the greater part of our islands and France, but in the northeast of France the wind is SW<sup>ly</sup>, while in the north of Holland it is chiefly NE<sup>ly</sup>. Rain is falling at Christiansund, Cambridge and Sorrent, and passing showers in our extreme north and northwest coasts, but elsewhere the weather is generally fair. In the course of the past 24 hours slight rain has fallen in many parts of the Kingdom. Temperature has fallen in most places and readings over our islands now range from 64° at Bawle Point to 48° at Hovnorway. The highest maxima registered yesterday were 85° in London, 80° at Cambridge and 78° at Hurst Castle. The sea is moderate to smooth.

The depression over Holland will probably continue to move away in an easterly direction and a continuation of fair weather (with local showers) is likely in most parts of the Kingdom.

## FORECASTS

for the 24 hours ending at NOON on 9<sup>th</sup> JULY 1886.  
(Issued at 11 a.m. on the previous day.)

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	NW <sup>ly</sup> winds, moderate, unsettled, some showers.	6 { SCOTLAND WEST	Same as N <sup>os</sup> 1 and 2.
1 { SCOTLAND EAST	NW <sup>ly</sup> winds, moderate; fair generally, but some showers.	7 { ENGLAND N.W.	Same as N <sup>os</sup> 1 and 2.
2 { ENGLAND N.E.	..... D <sup>ly</sup> ..... D <sup>ly</sup> ..... D <sup>ly</sup> .....	8 { ENGLAND S.W.	NW <sup>ly</sup> and N <sup>ly</sup> winds, moderate; fair generally.
3 { ENGLAND EAST	Same as N <sup>o</sup> 5.	9 { IRELAND NORTH	Same as N <sup>os</sup> 1 and 2.
4 { MIDLAND COUNTIES	Same as N <sup>o</sup> 5.	10 { IRELAND SOUTH	Same as N <sup>o</sup> 8.
5 { ENGLAND SOUTH	N <sup>ly</sup> and NW <sup>ly</sup> winds, light or moderate; cloudy at first, with local showers, then fair.	WARNINGS	NONE ISSUED.



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes	29.76	56	52	WSW	4	0	3	Holyhead	29.96	61	55	W	1	6	2
Sumburgh Head	29.64	54	51	WSW	4	c	4	Valencia	30.01	64	58	W	2	0	3
Stornoway	29.75	57	51	W	5	bcp	4	Scilly	30.00	66	60	WNW	3	6	4
Aberdeen	29.75	67	57	W	1	c	1	Dungeness							
Shields	29.85	65	56	W	3	c	2	London	29.88	80	66	W	3	bc	*
Ardrossan	29.88	58	54	WSW	3	c	3	Yarmouth	29.92	65	61	WNW	3	6	2
Malin Head	29.87	55	53	WNW	3	c	3	Jersey	29.95	68	61	WNW	2	6	2
Mullaghmore	29.94	59	56	WNW	4	c	3	Rochefort	29.96	81	71	W	4	c	1
Belmullet	29.96	60	55	W	3	c	*								

## REMARKS.

The barometer continues to fall generally, but very little change is shown in the winds. The weather is fair in most places, but showers are reported at Stornoway and Mullaghmore. The sea is moderate to smooth.

## CONTINENTAL INFORMATION.

The Continental Reports for yesterday (Wednesday) morning showed that, while pressure was still highest over Western and Central Europe and lowest in the north, the barometer was falling generally, and local irregularities were appearing accompanied by variable winds, an increase in the amount of cloud, and, in some few places, showers.

In the north the wind was moderate from W. and NW. Temperature was still high in most places, - the values as a whole varying from between 40° & 45° in the west and south of France, the southeast of our islands and the shores of the Adriatic to a little above 50° in the extreme northwest. The highest bar. reading, reported were 83° at Biskra and Sfax (Algeria) and at Barcelona & San Fernando, and 81° at Cagliari and 78° at Malta; the lowest 49° at Bodö, 50° at Christiansund and Stornoway. The maxima of the previous day had been very high at inland stations.

During yesterday the thermometer rose to 86° over Central France, 84° in the southwest of France and 83° in London, but to only 76° at Loughborough and 72° at York.



# DAILY WEATHER REPORT

for Friday - 9<sup>th</sup> July 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.		
			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.				
Haparanda	29.47	54	W	2	b	29.56	+ .23	59	55	+ 5	S	2	b	•	59	46	—		
Hernösand	29.57	55	SW	2	b	29.45	— .05	54	52	— 2	N	2	b	•	68	46	0.28		
Stockholm	30.01	61	WSW	2	o	29.49	— .09	57	54	— 4	2	o	•	•	72	52	—		
Wisby	29.61	61	S	4	b	29.50	— .15	58	54	— 3	WNW	6	b	•	70	57	0.55		
Bodö	29.47	46	S	2	o	29.50	+ .16	49	49	+ 3	2	o	c	•	50	43	0.59		
Christiansund	29.57	48	W	4	o	29.57	+ .03	47	44	— 1	WSW	6	b	•	48	43	0.20		
Skudesnaes	29.61	57	WSW	4	c	29.64	— .05	53	46	— 1	WNW	6	b	•	57	50	—		
Oxö (Xtiansand)	29.61	55	W	3	o	29.58	— .10	55	50	— 2	WNW	5	b	•	63	52	—		
Skagen (The Skaw)	29.71	55	W	4	c	29.77	+ .02	54	51	— 4	NW	4	c	•	63	50	0.08		
Fanö	29.70	59	N	6	a	29.81	+ .01	60	59	— 1	NNW	4	b	•	65	57	0.04		
Cuxhaven	29.76	45	N	5	a	29.79	+ .13	48	46	— 1	WNW	5	b	•	57	43	0.23		
Sumburgh Head	29.96	51	NNW	4	c	30.01	+ .19	53	48	+ 5	WNW	4	b	•	53	38	—		
Stornoway	29.88	49	N	2	b	29.95	+ .10	49	47	— 5	NNW	4	b	•	54	37	0.06		
Wick	29.89	54	NW	3	c	30.00	+ .15	50	45	— 3	W	2	b	•	57	37	0.14		
Nairn	29.85	53	NNW	3	c	29.99	+ .13	53	46	— 5	NNW	4	b	•	62	41	—		
Aberdeen	29.85	56	NE	1	c	30.04	+ .24	56	47	— 2	NNW	1	b	•	69	44	0.18		
Leith	29.83	56	E	2	c	30.03	+ .15	54	47	— 1	N	3	b	•	58	47	—		
Shields	29.83	57	E	1	b	30.03	+ .25	53	50	— 3	N	4	c	•	59	50	0.01		
Spurn Head	29.84	60	W	1	a	30.04	+ .18	51	48	— 5	N	2	o	•	68	49	0.08		
York	29.87	62	WNW	3	c	30.01	+ .10	54	51	— 3	NNE	2	o	•	67	48	—		
Loughborough	29.86	59	WNW	4	b	30.05	+ .12	53	47	— 5	SW	1	b	•	64	45	—		
Ardrossan	29.97	52	N	4	c	30.08	+ .22	52	48	— 2	N	2	b	•	57	49	—		
Malin Head	29.99	56	NW	4	a	30.11	+ .20	53	49	— 4	NNE	3	c	•	61	51	0.01		
Mullaghmore	30.04	57	N	3	o	30.15	+ .19	54	50	— 0	NW	1	o	•	58	50	0.03		
Belmullet	29.94	56	NE	5	b	30.07	+ .10	53	49	— 1	NNE	4	b	•	59	47	0.07		
Donaghadee	29.86	59	NW	4	b	30.02	+ .18	54	50	— 1	NNE	2	o	•	61	49	—		
Barrow-in-Furness	29.90	56	WNW	3	b	30.03	+ .18	55	50	— 2	WNW	2	b	•	61	51	—		
Liverpool (Bidston)	29.94	57	W	3	c	30.05	+ .17	53	50	— 4	NNW	4	c	•	62	50	—		
Holyhead	29.98	60	N	1	c	30.12	+ .17	55	49	— 1	2	o	•	62	45	—			
Parsonstown	30.06	60	NNW	2	o	30.16	+ .15	56	53	+ 1	ESE	4	o	•	63	53	0.30		
Valencia	30.11	58	NNW	4	b	30.14	+ .14	58	52	+ 1	NW	1	b	•	63	50	—		
Roche's Point	29.97	57	NW	2	b	30.08	+ .16	55	51	— 1	NNE	4	b	•	59	51	—		
Pembroke	30.00	61	NW	4	a	30.07	+ .16	56	55	— 4	N	4	c	•	63	52	0.04		
Scilly	29.92	65	NW	2	a	30.05	+ .19	64	56	— 0	NNE	1	c	•	72	50	—		
Prawle Point	29.87	63	WSW	2	a	30.01	+ .10	63	59	— 0	NR	2	b	•	70	53	—		
Hurst Castle	29.82	59	SSW	2	a	29.94	+ .21	57	52	— 6	N	2	c	•	71	53	—		
Dungeness	29.88	65	NNW	2	o	29.99	+ .22	57	52	— 3	N	2	b	•	68	51	—		
London	29.90	60	NW	3	b	30.01	+ .21	56	52	— 6	NW	2	b	•	67	47	—		
Oxford	29.84	62	N	1	b	29.99	+ .21	56	53	— 3	N	1	o	•	69	45	0.03		
Cambridge	29.84	57	NNW	2	b	29.98	+ .24	56	52	— 0	N	2	b	•	62	53	0.01		
Yarmouth	29.80	57	N	3	c	29.91	+ .17	57	52	— 3	N	3	c	•	61	55	0.12		
The Helder	29.69	59	N	1	b	29.93	+ .24	59	57	— 4	NE	1	c	•	63	54	0.04		
Cape Gris Nez	29.90	60	WNW	3	o	30.00	+ .14	58	54	— 2	NNE	4	b	•	66	53	—		
Jersey	29.99	60	NW	4	o	30.05	+ .15	57	55	+ 1	NNW	3	o	•	66	54	—		
Brest	29.97	63	SW	5	o	30.07	+ .19	57	55	— 3	NW	4	b	•	73	50	0.12		
Lorient	29.98	66	W	7	o	30.08	+ .11	61	56	— 4	NW	5	b	•	73	55	0.08		
Roche fort	30.06	66	W	7	b	30.08	+ .07	64	60	— 5	NW	4	b	•	73	61	0.12		
Biarritz	*	*	*	*	*	30.16	+ .03	66	63	+ 4	NNW	1	b	•	70	57	—		
Corunna	*	*	*	*	*	29.93	+ .24	57	52	— 9	NNW	1	o	•	75	53	—		
Brussels	29.83	69	NW	7	o	29.90	+ .14	56	52	+ 8	N	7	o	•	79	55	—		
Charleville	29.86	69	NW	4	o	29.95	+ .14	55	54	— 8	NE	3	b	•	77	54	0.20		
Paris	29.89	69	WNW	7	b	29.93	+ .05	60	58	— 6	W	1	a	•	79	57	0.35		
Lyons	29.81	72	NW	8	m	29.93	+ .06	61	59	— 9	NW	7	o	•	86	59	0.04		
Toulon																			

## EXPLANATION OF COLUMNS.

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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).

‡ These Stations send Reports at 2 p.m. daily (Sundays excepted).



# WEATHER CHARTS

for 8 a.m. on Friday, 9<sup>th</sup> JULY

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

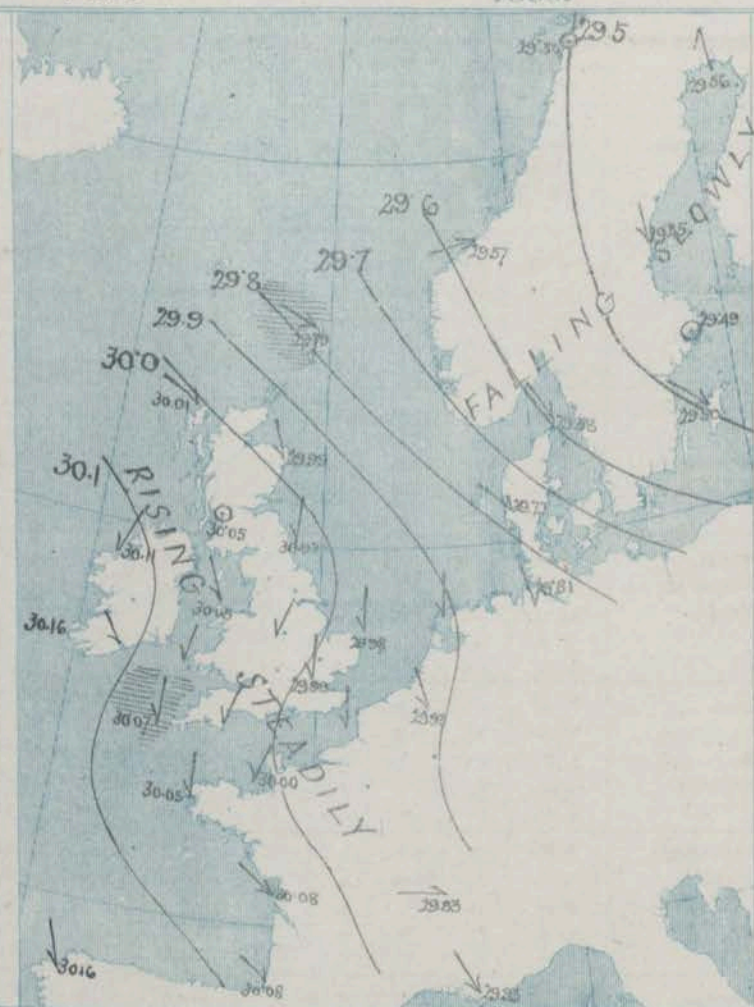
▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.827
Sornoway	29.799
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



## 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 July

STATIONS	TEMPERATURE.				RAINFALL. (inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.7	52.2	2.09
Sornoway	60.3	49.7	56.4	54.3	3.02
Wick	62.4	49.4	56.2	53.9	2.25
Nairn	65.0	51.6	57.4	53.7	2.57
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	53.6	58.8	55.5	2.63
York	68.1	52.3	59.7	56.5	2.57
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.9	2.67
Holyhead	64.5	55.0	58.3	56.1	2.32
Liverpool	66.4	54.6	59.8	56.1	2.99
Valencia	64.5	53.9	59.0	56.2	3.91
Roche's Point	68.2	53.9	59.1	56.0	3.18
Pembroke	64.0	55.4	58.5	56.2	2.81
Scilly	65.0	56.9	60.3	58.2	2.29
Hurst Castle	67.9	56.4	61.7	59.2	2.15
Dover	67.4	57.5	63.0	59.2	1.82
LONDON	73.3	54.2	62.5	58.6	2.17
Oxford	69.9	53.7	60.4	57.1	2.51
Cambridge	72.5	52.8	61.3	58.0	2.30
Yarmouth	66.7	55.5	61.4	58.4	2.68

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





# REMARKS.

for FRIDAY 9<sup>th</sup> JULY 1886 at 8 a.m.

The area of low pressure which lay over the north of Scandinavia yesterday, has moved southwards, while the depression noticed over Holland has travelled away in an easterly direction, and the barometer is now rising at all but the Swedish station. Light or moderate breezes from N.W. or N. prevail generally. The weather is fair over the greater part of Western Europe, but rain is falling at Helsingland, Lumburgh Head and Biscuit, and passing showers at Valencia. Showers fell yesterday in many places. Temperature has fallen a few degrees generally, and readings over our islands now range from 64° at Lumburgh Point to 48° in the Shetlands.

The maxima registered over England yesterday were from 4° to 10° lower than those of the previous day. The sea is rather rough at Lumburgh Head and Scilly, but slight or smooth elsewhere.

Moderate N.W. breezes and fair weather seem likely to continue for a time.

## FORECASTS

for the 24 hours ending at NOON on 10<sup>th</sup> JULY 1886.  
(Issued at 11 a.m. on the previous day.)

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



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

TIDE GAUGES & P.M. REPORTS AND REMARKS.															
	Bar.	Dry.	Wet.	Wind.		Wen.	Sea.		Bar.	Dry.	Wet.	Wind.		Wen.	Sea.
Skudesnaes	29.70	60	54	W	4	c	3	Holyhead	29.92	59	55	WNW	3	b	2
Sumburgh Head	29.74	47	45	NNW	4	r	3	Valencia	30.06	61	57	NNW	4	co	3
Stornoway	29.91	50	48	NNW	4	cp	3	Scilly	29.97	62	57	NNW	4	c	5
Aberdeen	29.79	62	55	NW	2	c	1	Dungeness	29.80	63	57	NE	3	be	2
Shields	29.81	56	52	E	1	c	2	London	29.83	64	56	NW	3	be	*
Ardrossan	29.85	63	55	WNW	4	c	3	Yarmouth	29.81	56	54	N	2	c	3
Malin Head	29.91	56	53	N	2	be	3	Jersey	29.90	63	58	WNW	3	c	3
Mullaghmore	29.96	60	53	NW	5	co	3	Rocheport	30.00	71	65	W	5	o	2
Belmullet	30.01	58	53	NW	3	c	*								

## REMARKS.

The barometer is now rising generally, with light or moderate breezes from the NW<sup>d</sup> or N<sup>d</sup> on all coasts. Rain is falling at Sumburgh Head and passing showers at Stornoway, but elsewhere the weather is fair. The sea is rather rough at Scilly, slight or smooth elsewhere.

## CONTINENTAL INFORMATION.

Yesterday morning's Continental Reports showed that pressure was highest over Southwestern and South-eastern Europe and lowest in the north, while two shallow local disturbances were found - one over the Netherlands, and the other over the northern part of the Mediterranean. Thus while NW<sup>d</sup> winds had become general over Western Europe, accompanied by cloudy weather, a decided fall of temperature, rain in places and thunderstorms over France, the winds over Germany were variable from the S<sup>nd</sup>, the thermometer was high and the weather fine and bright. Temperature varied from 70° to 75° over the south of France, Italy, the Adriatic, the south of Austria and the western parts of the German Empire, to a little below 50° in the west of Norway and the north of Scotland. Over Portugal, the western parts of France and the British Isles it was several degrees lower than on the 7<sup>th</sup>. The highest individual readings reported were 88° at Alicante, 82° in several parts of Algeria & 72° at Berlin, the lowest 46° at Bodo, 48° at Christiansund and Stornoway, and 54° at Belmullet.

During the day the thermometer did not rise above 72° at any station over the United Kingdom, nor above 79° at Lyons.



# DAILY WEATHER REPORT

for *Saturday* — 10<sup>th</sup> July 1886.

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

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 29° F. and Sea Level.	Temp. in Shade.	WIND.		Weather	BAROMETER.		SHADE TEMP.			WIND.		Wind-Force (0 to 12).	Weather.	Rain (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.				Max.	Min.	
Haparanda	29.86	52	NE	4	n	29.21	-.85	53	52	-6	N	4	n	•	•	66	48	0.16
Hernösand	29.42	50	NW	4	o	29.63	+.18	52	45	-2	N	6	bc	•	•	57	50	0.55
Stockholm	29.62	59	NW	2	bc	29.74	+.25	59	55	+2	W	0	b	•	•	70	52	-
Wisby	29.62	60	W	4	b	29.69	+.19	58	52	0	W	4	o	•	•	68	55	-
Bodö	29.35	51	S	2	bc	29.52	+.02	49	47	0	NW	3	o	2	•	50	45	-
Christiansund	29.63	45	WSW	4	n	29.75	+.18	44	42	-3	WSW	4	n	3	•	•	41	0.32
Skudesnaes	29.82	49	NW	6	o	29.91	•	51	46	•	NW	6	e	4	•	54	46	-
Oxö (Ålmasand)	29.76	60	NW	6	b	29.86	+.22	54	48	+1	NW	4	b	2	•	59	46	-
Skagen (The Skaw)	29.69	54	NW	5	b	29.79	+.21	54	49	-1	NW	4	b	2	•	59	50	-
Fanö	29.93	52	NW	4	e	29.99	+.22	50	52	+2	NW	6	beph	•	•	59	52	0.02
Cuxhaven	29.94	59	N	4	bc	30.05	+.24	60	59	0	N	5	bc	•	•	60	56	-
Sumburgh Head	29.83	49	NW	3	e	29.99	+.20	52	48	+4	W	4	b	4	•	52	44	0.01
Stornoway	30.01	54	NW	5	e	30.04	+.03	54	50	+1	S	4	bc	3	•	58	38	-
Wick	29.96	49	N	2	bc	30.06	+.11	53	52	+4	N	1	bc	0	•	57	33	0.03
Nairn	29.97	56	NW	3	e	30.06	+.06	54	50	+4	NW	1	b	0	•	50	50	0.01
Aberdeen	29.96	56	W	1	p	30.09	+.10	56	48	+3	W	1	b	1	•	63	40	0.01
Leith	29.99	63	NW	2	bc	30.10	+.06	58	51	+2	NW	1	bc	•	3	64	45	-
Shields	30.03	55	SE	2	e	30.10	+.07	56	51	+2	NW	2	e	3	•	57	44	-
Spurn Head	30.07	54	NE	3	b	30.10	+.07	55	52	+2	NW	4	b	3	•	57	49	0.01
York	30.06	59	ESE	2	o	30.13	+.09	54	50	+3	NW	1	b	•	•	68	42	0.01
Loughborough	30.07	61	S	1	e	30.16	+.15	58	52	+4	NW	3	bc	•	•	66	49	0.01
Ardrossan	30.06	58	NW	3	b	30.13	+.08	55	52	+2	W	1	b	1	•	62	41	-
Malin Head	30.10	56	NW	2	b	30.09	+.01	56	52	+4	SSW	3	o	2	•	58	51	-
Mullaghmore	30.13	57	NW	4	ev	30.13	+.02	55	50	+2	S	4	ev	2	•	59	50	-
Belmullet	30.17	56	NW	1	bc	30.11	-.04	55	53	+1	SW	3	o	•	•	58	53	0.02
Donaghadee	30.12	56	N	3	b	30.15	+.08	58	54	+5	E	2	bc	•	•	60	43	-
Barrow-in-Furness	30.06	58	NW	3	b	30.12	+.10	53	50	-1	NW	4	o	•	•	60	50	-
Liverpool (Bidston)	30.08	58	NW	1	e	30.16	+.13	56	50	+1	NW	1	bc	3	•	63	51	-
Holyhead	30.11	56	NW	2	b	30.17	+.12	57	53	+4	W	0	b	0	•	58	49	-
Parsonstown	30.15	58	W	0	n	30.17	+.05	54	51	-1	S	1	og	•	•	60	45	0.05
Valencia	30.19	62	NW	2	bcv	30.19	+.03	57	54	+1	SE	4	ov	5	•	64	47	-
Roche's Point	30.16	60	NW	1	e	30.19	+.07	55	52	-3	SE	1	e	2	•	64	49	-
Pembroke	30.13	56	NW	2	b	30.19	+.11	57	54	+2	NW	1	bc	0	•	59	53	-
Seilly	30.14	59	N	2	e	30.20	+.13	61	58	+5	N	2	e	4	•	62	55	-
Prawle Point	30.11	62	NW	2	b	30.21	+.16	61	54	-3	NW	1	b	1	•	66	46	-
Hurst Castle	30.06	63	WSW	4	bc	30.16	+.15	58	54	-5	NW	1	b	0	•	68	46	-
Dungeness	30.05	56	NW	3	n	30.15	+.21	58	54	+1	SSE	1	bc	2	•	65	53	0.03
London	30.07	60	NW	3	b	30.15	+.16	59	55	+2	SSE	1	e	•	•	66	47	-
Oxford	30.09	56	NE	1	e	30.18	+.17	55	52	-1	NE	1	e	•	•	66	51	0.41
Cambridge	30.08	58	ESE	1	b	30.14	+.45	58	54	+2	N	1	o	•	•	64	47	-
Yarmouth	30.08	57	N	3	b	30.13	+.15	51	50	-5	SW	1	n	3	•	61	47	0.02
The Helder	30.03	55	N	3	bc	30.13	+.22	56	51	-1	NW	1	bc	1	•	57	54	-
Cape Gris Nez	30.02	57	NE	4	o	30.12	+.19	57	55	-2	S	1	b	0	•	66	48	-
Jersey	30.10	60	NW	3	b	30.19	+.19	57	52	-1	NW	3	b	3	•	64	50	-
Brest	30.13	60	NW	3	b	30.25	+.20	54	52	-3	N	1	o	3	•	64	46	-
Lorient	30.12	63	W	4	m	30.24	+.17	56	54	-1	NE	4	b	2	•	68	48	-
Rocheftort	30.17	66	NW	7	b	30.24	+.16	63	57	+2	NE	3	b	2	•	68	50	-
Biarritz	30.15	67	NW	4	bc	30.19	+.11	64	59	0	SE	4	b	1	•	72	37	-
Cornuna	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
Brussels	*	*	*	*	*	30.17	+.24	56	49	-1	NW	1	b	•	•	69	50	-
Charleville	*	58	NW	4	bc	30.17	+.27	54	50	-2	NW	1	b	•	•	70	46	-
Paris	29.91	58	W	3	o	30.19	+.24	57	54	+2	NW	1	bc	•	•	67	51	0.91
Lyons	30.03	62	N	3	bc	30.15	+.22	58	54	-2	NW	4	b	•	•	69	52	-
Toulon	29.91	69	NW	5	b	29.94	+.01	61	57	0	NW	5	b	4	•	75	57	-

## EXPLANATION OF COLUMNS:

**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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).  
 ‡ These Stations send Reports at 2 p.m. daily (Sundays excepted).



# WEATHER CHARTS

for 8 a.m. on Saturday 10<sup>th</sup> July 1886.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

○ = dead calm.

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

▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS. in.
Sumburgh Head	29.827
Stornoway	29.796
Wick	29.813
Nairn	29.824
Aberdeen	29.820
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.981
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



## 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 July

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	
Sumburgh Head	57.9	45.5	53.7	52.2	2.09
Stornoway	60.3	49.7	56.4	54.3	3.02
Wick	62.4	49.4	56.2	53.9	2.25
Nairn	65.0	51.6	57.4	53.7	2.57
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	53.6	58.8	55.5	2.63
York	68.1	52.3	59.7	56.5	2.57
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.9	2.67
Holyhead	64.5	55.0	58.3	56.1	2.32
Liverpool	66.4	54.6	59.8	56.1	2.99
Valencia	64.5	53.9	59.0	56.2	3.91
Roche's Point	68.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.5	56.2	2.81
Scilly	55.0	56.9	60.3	58.2	2.29
Hurst Castle	67.9	56.4	61.7	59.2	2.15
Dover	67.4	57.5	63.0	59.2	1.82
LONDON	73.3	54.2	62.6	58.8	2.17
Oxford	69.9	53.7	60.4	57.1	2.51
Cambridge	72.5	52.8	61.3	58.0	2.30
Yarmouth	66.7	55.5	61.4	58.4	2.68

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





## for

1886 at 8 a. m.

There are some indications of the advance of a depression towards our western coasts, but in the east the weather will probably remain fair for a time.

for the 24 hours ending at NOON on 11<sup>th</sup> July  
(Issued at 11 a.m. on the previous day.)

1886.

*Frederick Dangerfield, Linn. London, (131.)*



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes	29.78	54	48	WNW	4	c	3	Holyhead	30.10	55	52	NW	4	c	3
Sumburgh Head	29.81	51	47	WNW	3	c	4	Valencia	30.19	62	56	W	3	bv	3
Stornoway	30.00	56	50	WNW	5	c	4	Scilly	30.13	61	57	NE	2	bc	5
Aberdeen	29.99	59	51	W	3	c	2	Dungeness	30.01	59	54	?NNE	2	n	2
Shields	30.05	54	48	E	2	b	3	London	30.02	63	56	N	2	cp	*
Ardrossan	30.06	61	51	WNW	3	b	2	Yarmouth	30.03	57	53	NNE	4	bv	3
Malin Head	30.11	55	50	NW	2	c	2	Jersey	30.07	64	54	N	3	b	3
Mullaghmore	30.13	59	53	NW	4	cv	2	Rochefort	30.13	67	57	WNW	7	b	2
Belmullet	30.17	57	51	WNW	1	bc	*								

## REMARKS.

The barometer continues to rise at all stations excepting Stornoway and Aberdeen, where a tendency to fall is shown. The winds have backed somewhat on our N. and N.E. coasts, but fair weather prevails in most places. At Dungeness, however, rain is reported, and in the course of the morning showers have fallen in London. The sea is rather rough at Scilly, moderate to smooth elsewhere.

## CONTINENTAL INFORMATION

Yesterday morning's Continental Reports showed that pressure was (relatively) high both over the Atlantic and Eastern Europe, while it was low over the Baltic. From this low-pressure area a large "hollow" extended southwards over Germany and Austria to Italy and the Mediterranean - separating the two high-pressure areas already mentioned. It thus came about, that, while cold NW breezes, cloudy weather, local showers and some thunderstorms prevailed over Western Europe and the Baltic, warm fair weather was reported over Central and Eastern Europe. Temperature varied from 70° and upwards over the Southern and Eastern parts of the Mediterranean, Austria and Poland to between 55° and 65° over France, to below 60° over nearly the whole of the British Islands, and to less than 50° in the north of Scotland and west of Norway. The highest individual readings were 82° at Alicante, Biskra and Algiers, 81° at Cagliari and 61° as far north as Uleaborg; the lowest were 47° at Christiansund, 49° at Bodø and Brick and 51° at Nyk.

During the day the thermometer did not rise above 68° at any of the English stations, nor above 69° at Lyons and Brussels.



# DAILY WEATHER REPORT

for

Sunday - 11<sup>th</sup> JULY

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.	BAROMETER.		SHADE TEMP.			WIND.		Sec. (0 to 9).	SHADE TEMP.				
			Direc.	Force. (0 to 12).			Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).	Weather.		Max.	Min.	Amount of Rainfall.		
Haparanda	29.60	50	NW	4	o	29.78	+ .57	55	49	+	2	N	2	b	*	57	48	0.10	
Hernösand	29.82	54	Z	0	b	29.92	+ .29	54	48	+	2	N	2	b	*	66	45	—	
Stockholm	29.79	58	S	2	o	29.88	+ .14	61	57	+	2	NE	2	bc	*	70	48	—	
Wisby	29.73	57	N	4	o	29.80	+ .11	58	55	—	0	NW	4	o	*	63	52	—	
Bodö	29.74	49	WSW	4	c	29.85	+ .33	48	47	—	1	WSW	6	c	3	52	43	0.12	
Christiansund	29.89	47	WSW	4	b	29.91	+ .16	52	50	+	8	S	1	c	3	52	43	—	
† Skudesnaes	30.02	52	NW	6	c	30.00	+ .09	52	48	+	1	SSE	2	c	3	55	52	—	
Oxö (Xtiansand)	29.90	59	WNW	6	b	29.99	+ .13	55	49	+	1	SWN	2	b	1	59	52	—	
Skagen (The Skaw)	29.84	54	WNW	1	b	29.88	+ .09	57	52	+	3	NW	1	b	0	61	45	—	
Fanö	30.02	60	WNW	4	c	30.06	+ .07	57	52	+	1	WNW	6	b	*	61	50	—	
Cuxhaven	30.10	59	NNW	3	c	30.13	+ .08	59	58	—	1	N	3	c	*	61	57	0.08	
† Sumburgh Head	29.97	51	WSW	4	b	29.69	— .30	50	50	—	2	S	4	r	3	55	47	0.02	
† Stornoway	29.97	51	S	5	r	29.64	— .35	57	57	+	3	W	3	m	2	58	49	0.32	
Wick	29.93	56	S	2	bc	29.70	— .36	56	55	+	3	S	3	o	1	59	50	0.25	
Nairn	29.95	55	SW	2	o	29.72	— .34	59	58	+	5	SW	2	c	1	60	51	0.16	
† Aberdeen	30.04	54	SSE	5	b	29.79	— .30	56	50	+	0	SW	2	r	2	60	51	0.02	
Leith	30.05	63	NW	1	c	29.86	— .24	62	59	+	4	NW	1	o	*	68	53	0.08	
† Shields	30.09	57	ESE	2	c	29.96	— .14	54	52	—	2	SSW	3	o	2	58	51	—	
Spurn Head	30.13	56	SSE	3	b	30.05	— .05	58	54	+	3	SW	3	c	3	59	53	—	
York	30.13	64	W	1	b	30.03	— .10	58	55	+	4	S	2	o	*	66	52	—	
Loughborough	30.14	67	W	2	b	30.11	— .05	60	56	+	2	SW	4	ow	*	69	54	—	
† Ardrossan	30.06	55	SSW	4	r	29.87	— .26	57	57	+	2	SW	4	ow	3	59	53	0.43	
Malin Head	29.93	56	S	6	o	29.82	— .27	61	61	+	5	SW	4	o	3	62	55	0.10	
† Mullaghmore	29.97	59	S	6	o	29.88	— .25	64	62	+	9	SW	4	op	2	64	54	0.07	
Belmullet	29.98	60	SSW	4	o	29.88	— .23	60	60	+	5	SW	3	ow	*	61	54	0.18	
Donaghadee	30.08	56	S	3	o	29.92	— .23	63	63	+	5	W	1	o	0	63	54	0.31	
Barrow-in-Furness	30.14	45	SW	2	c	30.00	— .12	58	57	+	5	SW	4	a	*	60	52	0.42	
Liverpool (Bidston)	30.15	59	NW	1	c	30.03	— .13	63	59	+	7	SW	3	o	3	64	55	—	
† Holyhead	30.15	56	SSW	4	of	30.02	— .15	56	56	—	1	SSW	5	rmq	4	62	54	0.12	
Parsonstown	30.09	58	Z	0	r	29.98	— .19	65	63	+	11	Z	0	ogm	*	65	53	0.25	
† Valencia	30.11	60	SSW	6	rm	30.02	— .17	58	57	+	1	SW	5	mp	5	64	56	0.50	
Roche's Point	30.16	59	SW	2	c	30.04	— .15	61	61	+	6	SW	3	rm	3	62	53	0.02	
Pembroke	30.20	57	WNW	2	c	30.11	— .08	58	58	+	1	SW	4	f	3	62	55	0.03	
† Scilly	30.22	64	W	2	bc	30.18	— .02	62	60	+	1	WSW	4	o	3	66	58	—	
Prawle Point	30.21	61	NW	1	bc	30.22	+ .01	60	57	—	1	WSW	2	c	1	68	52	—	
Hurst Castle	30.16	67	WSW	2	h	30.22	+ .06	63	60	+	5	WSW	2	b	2	64	52	—	
† Dungeness	30.14	61	W	3	c	30.18	+ .03	61	59	+	3	W	2	c	1	64	49	—	
† London	30.13	65	W	2	c	30.17	+ .02	60	54	+	1	WSW	2	o	*	68	50	—	
Oxford	30.16	60	Z	0	bc	30.16	— .02	59	56	+	4	SW	2	o	*	66	53	—	
Cambridge	30.15	66	NNW	1	b	30.14	— .00	63	57	+	5	SW	1	o	*	69	45	—	
† Yarmouth	30.15	58	ENE	1	b	30.15	+ .02	60	55	+	9	SW	2	bc	2	61	50	0.01	
The Helder	30.14	57	WNW	3	bc	30.17	+ .04	59	53	+	3	WNW	1	b	1	63	57	—	
Cape Gris Nez	30.13	60	W	1	o	30.17	+ .05	60	57	+	3	SW	3	b	2	72	55	—	
† Jersey	30.22	61	WNW	4	b	30.26	+ .07	59	57	+	2	WSW	3	bc	3	63	52	—	
Brest	30.26	63	NW	3	b	30.28	+ .08	57	57	+	5	WSW	3	b	1	64	46	—	
Lorient	30.24	64	WNW	5	bc	30.31	+ .07	58	56	+	2	N	1	b	0	61	50	—	
† Rochefort	30.24	68	NW	5	b	30.32	+ .08	60	55	—	3	NE	3	b	2	72	50	—	
Biarritz	30.19	68	NNW	5	o	30.26	+ .07	64	57	—	0	ESE	3	b	0	72	59	—	
Corunna	*	*	*	*	*	30.20	+ .02	63	61	—	1	ENE	4	b	4	70	55	—	
Brussels	*	*	*	*	*	30.19	+ .02	60	53	+	4	W	1	b	*	69	54	—	
Charleville	30.23	66	W	4	b	30.25	+ .08	56	53	+	2	S	1	b	*	73	47	—	
Paris	30.18	65	WNW	1	c	30.25	+ .06	56	54	—	1	N	1	b	*	72	49	—	
Lyons	30.12	64	NNE	4	b	30.20	+ .05	59	52	+	1	NNW	5	b	*	72	53	—	
Toulon	29.95	68	NW	5	c	30.01	+ .07	66	59	+	5	NW	1	o	2	75	63	—	

## EXPLANATION OF COLUMNS:

**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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).  
 ‡ These Stations send Reports at 2 p.m. daily (Sundays excepted).



# WEATHER CHARTS

for 8 a.m. on

Sunday

11<sup>th</sup> July

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.

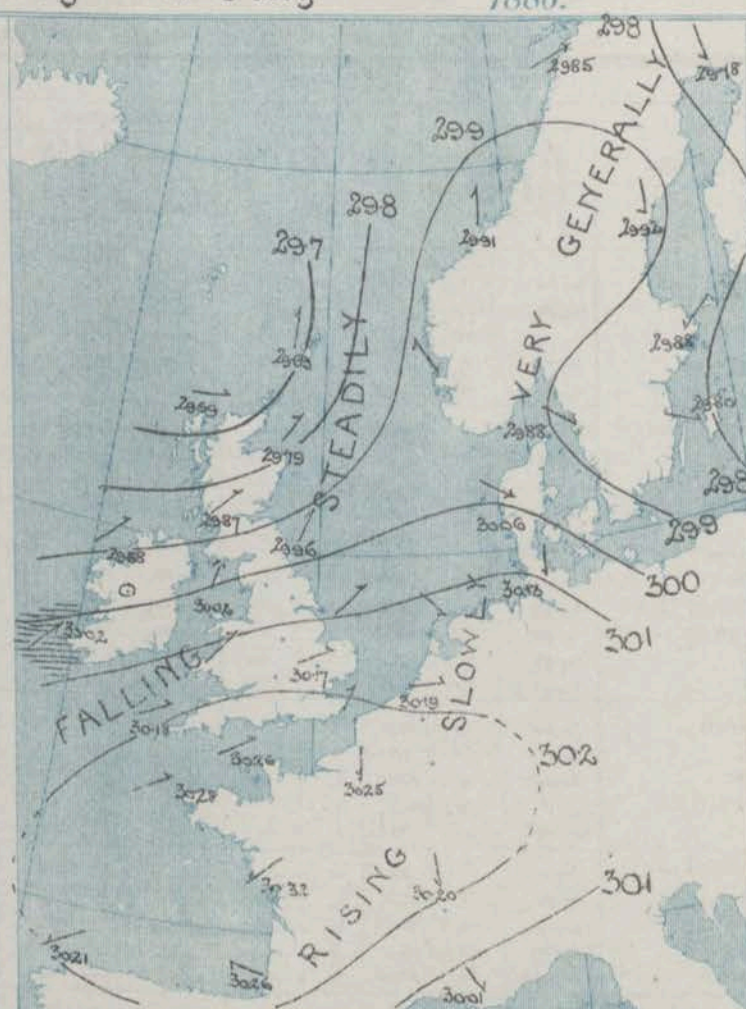
**Sea Disturbance**—where considerable is shown thus

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
	Bar.
Sumburgh Head	29.827
Stornoway	29.799
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



## 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.

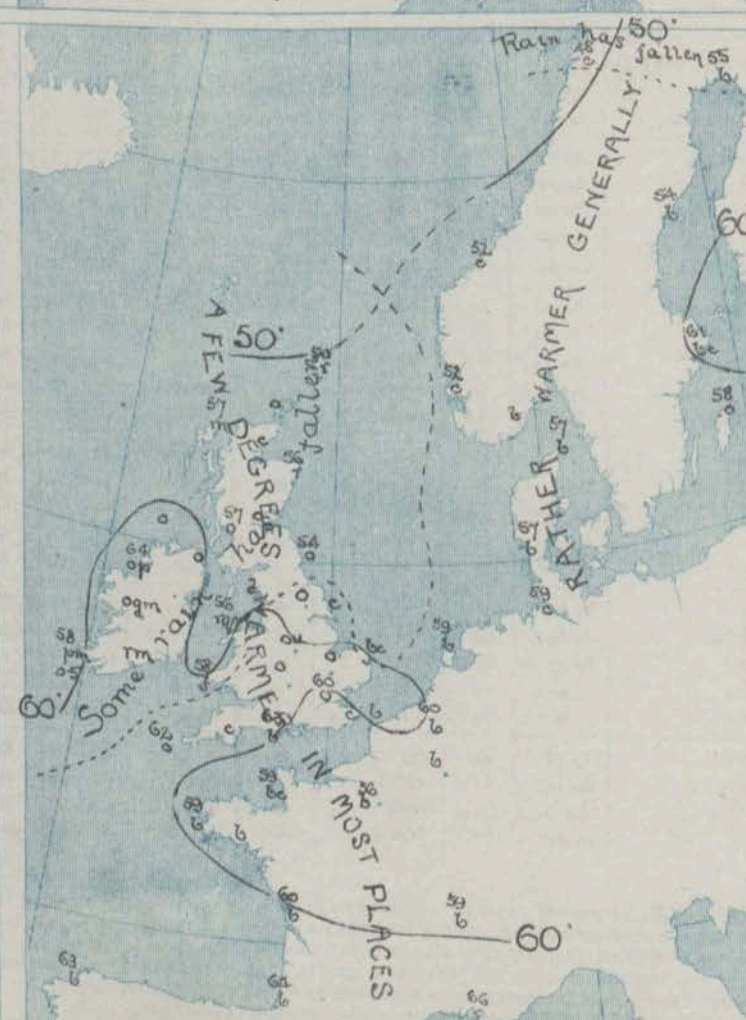
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of July

STATIONS	TEMPERATURE				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet	
Sumburgh Head	57·9	48·5	53·7	52·2	2·09
Stornoway	60·3	49·7	56·4	54·3	3·02
Wick	62·4	49·4	56·2	53·9	2·25
Nairn	65·0	51·6	57·4	53·7	2·57
Aberdeen	64·4	51·7	57·9	54·4	2·74
Leith	68·0	52·0	59·1	55·9	2·84
Shields	64·6	53·6	58·8	55·5	2·68
York	68·1	52·3	59·7	56·5	2·57
Ardrossan	64·0	53·8	57·8	54·8	2·91
Donaghadee	62·9	52·0	57·7	55·9	2·67
Holyhead	64·5	55·0	58·3	56·1	2·32
Liverpool	66·4	54·6	59·8	56·1	2·99
Valencia	64·5	53·9	59·0	56·2	3·91
Roche's Point	68·2	53·9	59·1	56·0	3·16
Pembroke	64·0	55·4	58·5	56·2	2·31
Scilly	65·0	56·9	60·3	58·2	2·29
Hurst Castle	67·9	56·4	61·7	59·2	2·15
Dover	67·4	57·5	63·0	59·2	1·82
LONDON	73·3	54·2	62·5	58·6	2·17
Oxford	69·9	53·7	60·4	57·1	2·51
Cambridge	72·5	52·8	61·3	58·0	2·30
Yarmouth	65·7	55·5	61·4	58·4	2·68

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





# REMARKS.

for Sunday 11<sup>th</sup> JULY 1886 at 8 a.m.

In the course of the past twenty four hours a large depression has skirted our western coast in a north-easterly direction occasioning a fall of the barometer at all our more western and northern stations. The centre of the disturbance is now passing away to the north of Scotland, but the barometer continues to fall in the west. At our southeastern and most of the Continental stations pressure has continued to increase and an anticyclone now covers France and the Bay of Biscay. The wind is N<sup>3</sup> in Sweden and in many parts of France, but SW<sup>2</sup> or S<sup>2</sup> elsewhere; in force it is light to fresh generally. The weather is fine at most of the Continental stations, but cloudy or overcast in our Islands, with rain on many parts of our western and northern coasts. Thunder was heard at Litchingbourne yesterday. Temperature has risen a little generally, and readings over our Islands now range from 65° at Larnaraton to 50° in the Shetlands. The sea is rather rough at Valencia, but slight or smooth elsewhere.

## FORECASTS

for the 24 hours ending at NOON on 12<sup>th</sup> JULY 1886.  
(Issued at 11 a.m. on the previous day.)

### DISTRICTS.

### FORECASTS.

0 { SCOTLAND  
NORTH

1 { SCOTLAND  
EAST

2 { ENGLAND  
N.E.

3 { ENGLAND  
EAST

4 { MIDLAND  
COUNTIES

5 { ENGLAND  
SOUTH

NONE  
ISSUED.

### DISTRICTS.

### FORECASTS.

6 { SCOTLAND  
WEST

7 { ENGLAND  
N.W.

8 { ENGLAND  
S.W.

9 { IRELAND  
NORTH

10 { IRELAND  
SOUTH

WARNINGS

NONE  
ISSUED.

NONE ISSUED.



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.															
	Bar.	Ther.	Wet.	Wind.	Wea.	Sea.		Bar.	Ther.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes	29.98	55	49	NW	6	c	4	Holyhead	30.17	60	53	SSW	3	bc	1
Sumburgh Head	29.99	53	48	W	4	b	4	Valencia	30.15	62	59	SSW	5	sm	5
Stornoway	29.97	52	47	S	5	r	5	Scilly	30.13	65	60	WNW	2	bc	3
Aberdeen	30.07	56	49	SSE	4	b	2	Dungeness	30.14	63	58	WSW	2	bc	1
Shields	30.12	55	51	E	2	bc	3	London	30.14	67	57	WNW	1	o	*
Ardrossan	30.10	57	52	SE	2	o	2	Yarmouth	30.15	58	53	NE	4	bc	3
Malin Head	30.02	57	53	S	3	o	2	Jersey	30.22	61	53	WNW	3	b	3
Mullaghmore	30.05	58	56	S	5	op	4	Rochefort	30.24	72	61	NW	5	b	2
Belmullet	30.02	58	57	S	5	o	*								

## REMARKS.

The barometer still falls slowly in the west with strong S<sup>3</sup> winds and showers, but in the east and south there is no decided change excepting that the SE<sup>3</sup> wind has died out over our south-eastern counties. The sea is rather rough at Stornoway and Valencia, moderate to smooth elsewhere.

## CONTINENTAL INFORMATION.

Yesterday morning's Continental Reports showed that the distribution of pressure over Western Europe, the Bay of Biscay and the British Isles was still anticyclonic, while a depression lay over Northern Europe, and a hollow over Austria. Over Western Europe the barometer was unsteady and inclined to fall. A cold NW<sup>3</sup> to N<sup>3</sup> current of wind prevailed over the western and northwestern districts, and was apparently spreading eastwards. Temperature had already given way greatly over England and France, but continued high over Russia and Finland, and showers of rain were becoming more prevalent than of late with thunderstorms locally. The temperatures observed varied from about 80° at Alicante and Brindisi and from 75° at Trieste to 44° at Kudemau, 48° at Christiansund and 50° at Uleaborg.

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



for — Monday — 12<sup>th</sup> July 1886.  
Issued by the Meteorological Office, 116, Victoria Street, London, R. W. SCOTT, Secretary.

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

EXPLANATION OF COLUMNS:

† These Stations send Reports at 2 p.m. daily (Sundays excepted). ‡ Too late for insertion in chart.



# WEATHER

for 8 a.m. on

Monday

# CHARTS

12<sup>th</sup> July

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 —

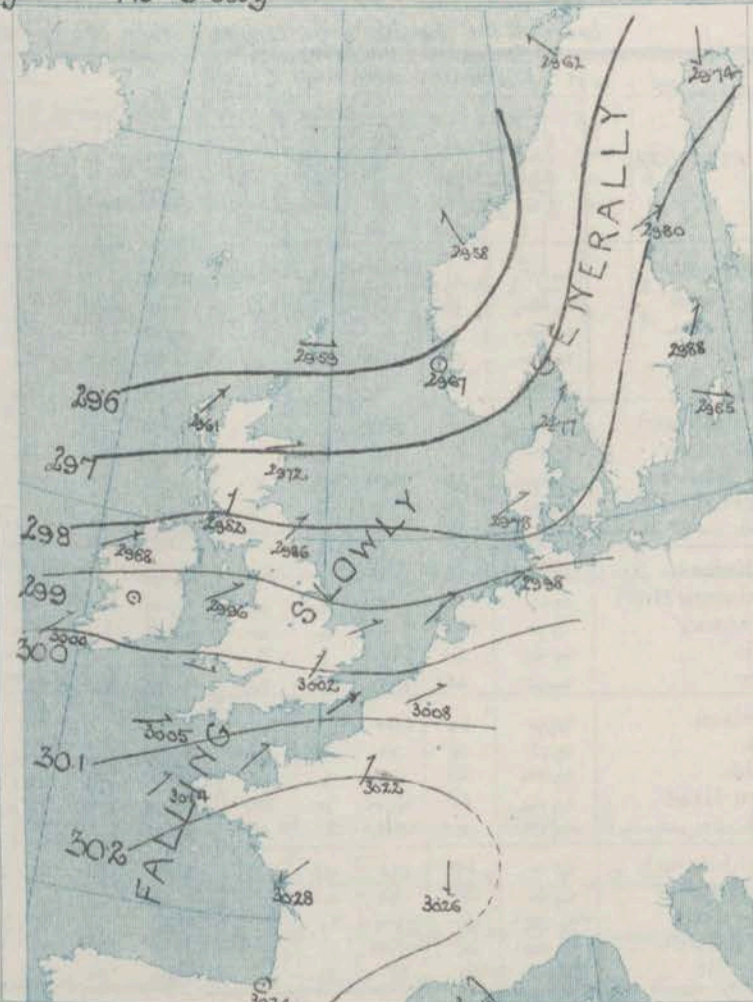
→ = forces above 10; → = forces 8 to 10;  
→ = forces 5 to 7; → = forces 1 to 4;  
○ = dead calm.

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

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.827
Stornoway	29.799
Wick	29.813
Nairn	29.834
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934





# REMARKS.

for MONDAY 12 JULY 1886 at 8 a.m.

An anticyclone still lies over France and a large area of low pressure to the northward of our islands, but some small shallow depressions have appeared in the intervening districts, and the barometer is falling a little in most places. S.E. or S. breezes are reported in Norway, and variable air in the south of France, but elsewhere the wind is light or moderate from between S.W. and W. The weather is fine in Sweden, France, the east of Scotland and the north of England, but cloudy elsewhere, with rain in the south and southeast of England, and fog at Scilly & Bawle Point. In the course of the past 24 hours rain has fallen generally, the largest amount being 0.6 in. at Lumbrooke and Bawle Point and 0.5 in. at Barrow in Lancashire. Temperature has risen a few degrees in the east, but fallen in the west; readings over our islands now range from 66° at Bournemouth to 63° in the Shetlands. The sea is moderate to smooth.

Shallow depressions will probably continue to pass across our islands, occasioning changeable, showery weather in most places.

## ATLANTIC TELEGRAM.

The Chief Signal Officer at Washington U.S. reports that on the 4<sup>th</sup> inst. a derelict ship was seen in Lat. 51° N., Long. 25° W.

# FORECASTS

for the 24 hours ending at NOON on 13<sup>th</sup> JULY 1886.  
(Issued at 11 a.m. on the previous day.)

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
1 { SCOTLAND NORTH	N <sup>th</sup> and S.W <sup>th</sup> winds, fresh; fair generally, but some showers.	6 { SCOTLAND WEST	S.W <sup>th</sup> winds, moderate; cloudy; some rain.
2 { SCOTLAND EAST	S.W <sup>th</sup> winds, light or moderate; fair generally.	7 { ENGLAND N.W.	S.W <sup>th</sup> winds, moderate; fine to cloudy and some rain.
3 { ENGLAND N.E.	-----D-----D-----D-----	8 { ENGLAND S.W.	Same as N <sup>o</sup> 5.
4 { ENGLAND EAST	Same as N <sup>o</sup> 5.	9 { IRELAND NORTH	S.W <sup>th</sup> winds, moderate or fresh; cloudy. Some rain.
5 { MIDLAND COUNTIES	Same as N <sup>o</sup> 5.	10 { IRELAND SOUTH	-----D-----D-----D-----
6 { ENGLAND SOUTH	S.W <sup>th</sup> and W <sup>th</sup> winds, moderate; changeable, rain at times.	WARNINGS	NONE ISSUED.



# YESTERDAY'S 2 P.M. REPORTS

YESTERDAY'S 2 P.M. REPORTS															
	Bar.	Dry.	Wet.	Wind.		Wen.	Sea.		Bar.	Dry.	Wet.	Wind.		Wen.	Sea.
Skudesnaes	29.94	55	50	SSE	6	0	4	Rocheport	30.32	73	61	NW	3	6	2

## CONTINENTAL INFORMATION.

Yesterday morning's Continental Reports showed that pressure was highest in an anticyclonic area which lay over Western and Central Europe, where the readings varied from 30.1 ms to 30.3 ms, while it was lowest both over Northern Russia, and to the north-west of the British Islands. In the latter region there was evidently a depression moving north-eastwards. The weather was on the whole fine over France and Germany, but showers had fallen in a few places and thunder was reported locally. Over the British Islands, however, cloud had increased decidedly, and a good deal of rain had fallen in the west and north. Temperature had fallen except in the west of Ireland, the change being greatest over Austria and Western Russia, the 8 am readings varying from between 63° and 66° in the south of France to below 50° in the north-west of Norway. Over the southern parts of the Mediterranean, however, they were still high. The highest individual values were 87° at Biskra (Algeria), 83° at Brindisi, 79° at Malta and 78° at Legna; the lowest 47° at Bodo and Riga and 50° at Kuopio and Cracow.

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

FROM THE 4<sup>TH</sup> TO THE 10<sup>TH</sup> JULY 1886.

The hot dry weather which prevailed over our Islands very generally until the 6<sup>th</sup> gave way gradually as the week advanced, the change commencing first over the northern and western districts, and extending thence very slowly to our southern and eastern counties. The alteration was, however, very decided, for whereas the maximum readings over England, even on the 6<sup>th</sup>, varied from 82° to 87°, those on the 8<sup>th</sup> varied from only 65° to 72°, and those on the 9<sup>th</sup> were all below 70°. These have been produced by a general giving way of pressure over North-western Europe, the gradual transference of the anticyclonic conditions which lay over us at the beginning of the week to a more southern position, the consequent appearance of cyclonic (cloudy, & showery) systems over the United Kingdom, and the development of a somewhat complex distribution of pressure over France on the 7<sup>th</sup> and 8<sup>th</sup>. At the close of the week these conditions remained in force.

None of the depressions which appeared during the period were worth special notice.

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



# DAILY WEATHER REPORT

for *Tuesday* 13<sup>th</sup> JULY 1886.

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

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.			
	Barometer at 3 p.m. and Sea Level.	Temp. in Shade.	WIND.			Weather.	BAROMETER.		SHADE TEMP.			WIND.			Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12).			Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.			
Haparanda	29.67	58	S	2	c	29.63	-.11	58	56	- 2	S	2	c	*	68	48	-			
Hernösand	29.62	59	S	4	o	29.60	-.20	56	54	- 1	S	2	o	*	64	43	0.04			
Stockholm	29.75	58	S	2	o	29.63	-.25	60	59	- 1	S	2	o	*	70	46	0.04			
Wisby	29.77	58	SW	4	o	29.69	-.16	60	59	+ 1	WSW	4	o	*	70	52	0.12			
Bodö	29.62	55	N	2	c	29.53	-.09	57	56	+ 2	Z	0	r	0	?	30	-			
Christiansund	29.60	53	W	2	o	29.56	-.02	54	51	- 4	SE	2	c	2	?	48	0.12			
Skudesnaes	29.67	54	WNW	2	o	29.67	-.00	55	53	+ 2	WNW	4	o	3	57	?	-			
Oxö (Ktiansand)	29.63	54	WSW	4	f	29.60	-.06	56	53	0	SW	4	b	3	59	52	0.08			
Skagen (The Skaw)	29.65	55	W	3	o	29.61	-.16	57	54	+ 1	WNW	4	c	2	59	54	0.28			
Fanö	29.78	56	W	4	c	29.78	-.00	62	58	+ 3	W	6	b	*	63	54	0.32			
Cuxhaven	29.92	60	WNW	3	r	29.90	-.08	59	58	0	WNW	3	b	*	63	56	0.76			
Sumburgh Head	29.97	53	WSW	4	c	29.97	-.02	51	49	- 2	SW	3	o	4	57	48	-			
Stornoway	29.65	55	WSW	4	cg	29.97	-.04	51	50	- 4	SW	4	cp	4	58	49	0.08			
Wick	29.64	55	WNW	3	b	29.61	-.03	56	54	- 2	S	2	o	0	64	47	-			
Nairn	29.66	55	W	2	c	29.63	-.05	58	53	+ 3	W	3	c	2	65	49	0.02			
Aberdeen	29.68	61	WNW	2	c	29.68	-.04	59	54	- 2	S	3	b	2	69	49	-			
Leith	29.76	62	NNW	3	c	29.75	-.04	57	52	- 2	W	3	o	*	62	51	-			
Shields	29.80	60	WSW	2	o	29.81	-.02	56	53	- 3	WSW	2	c	2	66	52	-			
Spurn Head	29.86	61	WSW	4	c	29.89	-.01	60	59	- 3	W	3	b	2	64	53	0.01			
York	29.86	65	W	3	b	29.89	-.01	58	55	- 3	WSW	1	c	*	68	51	-			
Loughborough	29.91	63	W	3	b	29.95	+ .01	61	56	- 5	W	3	c	*	70	50	0.06			
Ardrossan	29.80	59	W	3	c	29.78	-.04	55	54	0	SW	4	odp	3	63	53	0.02			
Malin Head	29.79	57	W	4	b	29.75	-.05	53	53	- 2	W	4	omp	4	61	51	0.11			
Mullaghmore	29.88	58	W	5	c	29.81	-.07	57	54	- 1	WSW	5	cm	4	62	57	0.03			
Belmullet	29.90	58	W	5	c	29.81	-.08	57	54	0	SW	3	o	*	61	54	0.04			
Donaghadee	29.81	66	N	3	b	29.85	-.03	57	55	- 2	W	3	c	1	67	52	-			
Barrow-in-Furness	29.86	58	SW	3	o	29.86	-.05	56	54	0	SW	4	o	*	60	54	0.02			
Liverpool (Bidston)	29.89	62	WSW	3	c	29.90	-.04	58	53	- 1	W	2	c	3	65	54	-			
Holyhead	29.91	57	WSW	4	b	29.92	-.04	55	54	- 3	SW	4	c	4	62	52	-			
Parsonstown	29.93	62	Z	0	c	29.90	-.06	56	54	- 3	S	1	o	*	67	52	0.03			
Valencia	30.01	62	W	3	b	29.90	-.10	59	56	0	SSW	4	om	4	66	53	0.15			
Roche's Point	29.99	61	NNW	4	b	29.94	-.05	60	56	+ 3	WSW	2	b	3	65	52	0.10			
Pembroke	29.98	58	WSW	3	c	29.97	-.05	58	56	+ 1	SW	3	c	3	60	54	0.04			
Seilly	30.03	62	WSW	2	c	30.02	-.03	63	60	+ 1	SW	2	c	4	63	57	0.24			
Prawle Point	30.01	59	WSW	3	o	30.02	-.04	58	57	- 2	WNW	1	b	3	61	55	0.92			
Hurst Castle	29.97	60	WNW	4	r	30.01	-.05	61	61	+ 1	WSW	3	c	2	72	54	0.48			
Dungeness	29.94	59	W	5	r	30.01	-.03	61	60	+ 3	WNW	2	b	2	64	51	0.28			
London	29.96	58	Z	0	r	29.99	-.03	60	58	- 2	W	1	b	*	65	50	0.29			
Oxford	29.96	57	WSW	2	b	29.98	-.00	59	57	- 5	WSW	1	c	*	68	52	0.13			
Cambridge	29.98	58	W	1	r	29.95	-.01	61	59	- 3	SW	1	c	*	69	51	0.48			
Yarmouth	29.91	59	NNW	2	r	29.94	-.02	59	57	- 5	WSW	1	b	2	67	51	0.91			
The Helder	29.83	60	SW	3	r	29.93	-.01	60	58	- 1	WSW	1	b	2	63	57	0.55			
Cape Gris Nez	29.95	60	SW	9	r	29.99	-.06	59	58	+ 1	WSW	3	c	3	61	54	0.75			
Jersey	30.03	60	W	4	r	30.03	-.11	59	59	0	SSW	1	of	1	66	51	0.19			
Brest	30.10	60	W	3	r	30.04	-.10	60	59	0	NNE	3	o	2	64	46	0.59			
Lorient	30.12	64	W	5	b	30.05	-.16	63	63	0	W	3	r	3	72	57	0.08			
Rochefort	30.19	73	WNW	4	b	30.16	-.12	65	63	+ 3	SW	4	c	2	81	59	-			
Biarritz	30.11	72	N	5	b	30.15	-.09	67	64	+ 4	SSW	3	b	1	81	61	-			
Corutina	*	*	*	*	*															
Brussels	*	*	*	*	*	30.01	-.07	61	57	- 1	WSW	3	b	*	74	57	0.28			
Charleville	30.07	75	W	7	b	30.07	-.08	62	58	+ 2	NNW	4	b	*	78	59	0.12			
Paris	30.05	75	SW	3	b	30.07	-.15	62	61	+ 4	NNW	1	o	*	81	?	0.04			
Lyons	30.12	75	E	1	b	30.11	-.15	66	59	+ 3	ESE	1	b	*	77	56	-			
Toulon	30.13	70	W	1	b	30.08	-.06	73	61	+ 3	NNW	1	m	2	82	61	-			

## EXPLANATION OF COLUMNS.

**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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).  
 ‡ These Stations send Reports at 2 p.m. daily (Sundays excepted).



# WEATHER CHARTS

for 8 a.m. on

Tuesday

12 July

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 July  
 During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.827
Stornoway	29.799
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



## 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.

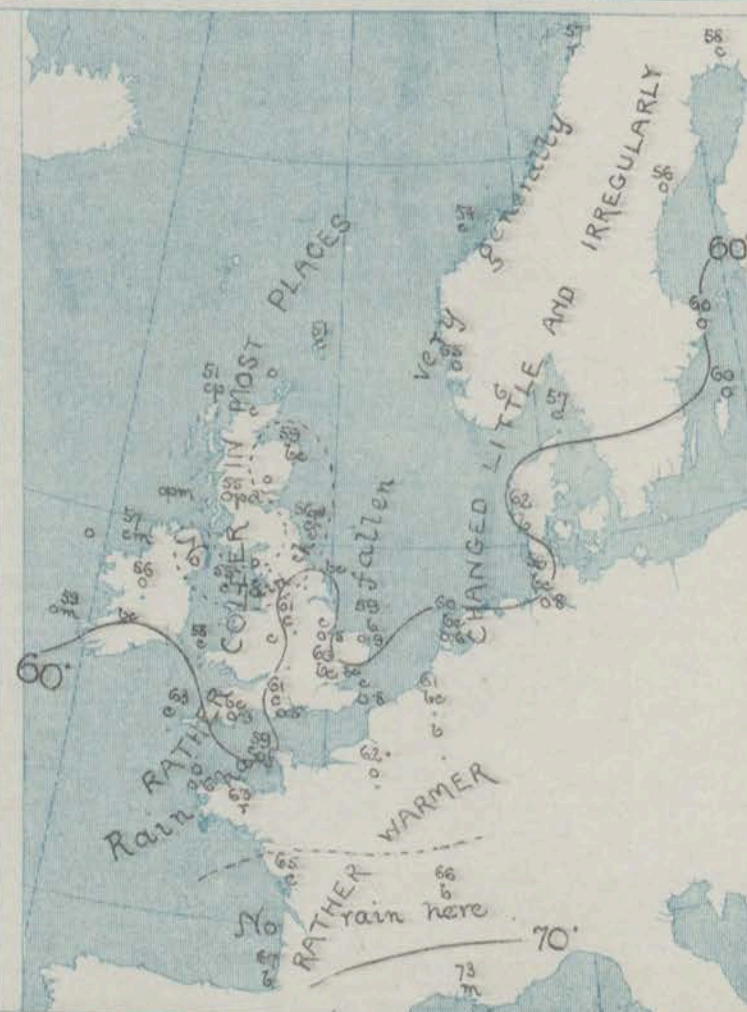
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of July

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.7	52.2	2.09
Stornoway	60.3	49.7	56.4	54.3	3.02
Wick	62.4	49.4	56.2	53.9	2.25
Nairn	65.0	51.6	57.4	53.7	2.67
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	53.6	58.8	55.5	2.63
York	68.1	52.3	59.7	56.5	2.57
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.9	2.67
Holyhead	64.5	55.0	58.3	56.1	2.82
Liverpool	66.4	54.6	59.8	56.1	2.99
Valencia	64.5	53.9	59.0	56.2	3.01
Roche's Point	68.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.6	56.2	2.31
Scilly	65.0	56.9	60.3	58.2	2.29
Hurst Castle	67.9	56.4	61.7	59.2	2.15
Dover	67.4	57.6	63.0	59.2	1.82
LONDON	73.3	54.2	62.5	58.6	2.17
Oxford	69.9	53.7	60.4	57.1	2.61
Cambridge	72.5	52.8	61.3	58.0	2.80
Yarmouth	66.7	55.5	61.4	58.4	2.68

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





# REMARKS.

for

Tuesday 13<sup>th</sup> July

1886 at 8 a.m.

Pressure remains highest over France and lowest to the northward of our islands, and although the shallow disturbances noticed over England yesterday have passed away to the eastward, the barometer is again falling on our western and northern coasts. The wind is S<sup>ly</sup> in Sweden and the east of Scotland, but SW<sup>ly</sup> or W<sup>ly</sup> elsewhere; in force it is light or moderate generally. The weather is at present fair in most places, but overcast skies are reported on our extreme western coasts, showers in the north-west and rain at Lorient. Rain fell yesterday in most parts of Western Europe; at the more northern stations the amount was slight, but at Hurst Castle there was as much as 0.5 in, at Helten 0.6 in, at Copenhagen and Cape Fister 0.8 in, and at Pwll Point and Yarmouth 0.9 in. Temperature has fallen a little, and readings over our islands now range from 61° at Longborough, Hurst Castle, Dungeness and Cambridge to 51° at Lumbagh Head and Hornway. The sea is moderate to smooth.

The fall of the barometer in the west seems to indicate the approach of fresh depressions and changeable weather will probably continue generally.

## ATLANTIC TELEGRAM.

The Chief Signal Officer at Washington U.S. reports that icebergs were seen on the 7<sup>th</sup> inst: in Lat 48° N, Long: 43° W.

## FORECASTS

for the 24 hours ending at NOON on

(Issued at 11 a.m. on the previous day.)

14<sup>th</sup> July

1886.

### DISTRICTS.

### FORECASTS.

0 { SCOTLAND NORTH SW<sup>ly</sup> winds, freshening; unsettled, some showers.

1 { SCOTLAND EAST SW<sup>ly</sup> winds, light or moderate, fair to showery.

2 { ENGLAND N.E. ----- D° ----- D°

3 { ENGLAND EAST Same as N° 5.

4 { MIDLAND COUNTIES Same as N° 5.

5 { ENGLAND SOUTH W<sup>ly</sup> and SW<sup>ly</sup> winds, moderate, fair to dull and some rain.

### DISTRICTS.

### FORECASTS.

6 { SCOTLAND WEST Same as N° 0.

7 { ENGLAND N.W. Same as N° 1.

8 { ENGLAND S.W. Same as N° 5.

9 { IRELAND NORTH SW<sup>ly</sup> and W<sup>ly</sup> winds, fresh, changeable, some rain.

10 { IRELAND SOUTH ----- D° ----- D°

### WARNINGS

None issued.



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

TUESDAY'S 2 P.M. REPORTS AND REMARKS.															
	Bar.	Dry.	Wet.	Wind	Wet.	Sea.		Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		
Skudesnaes	29.67	57	54	NW	4	0	3	Holyhead	29.94	61	58	SW	5	cq	4
Sumburgh Head	29.56	50	53	WSW	4	bc	4	Valencia	30.01	65	59	W	3	bc	3
Stornoway	29.61	57	52	WSW	5	0	4	Scilly	30.03	62	61	WNW	1	r	4
Aberdeen	29.69	64	57	W	3	"c	2	Dungeness	30.00	59	59	W	5	m	4
Shields	29.82	61	56	WSW	3	c	2	London	29.97	65	64	WSW	3	or	*
Ardrossan	29.80	61	56	SW	3	0	3	Yarmouth	29.91	66	65	WSW	4	cdp	2
Malin Head	29.79	57	55	W	4	b	5	Jersey	30.08	64	62	SW	3	0	3
Mullaghmore	29.88	66	55	W	5	c	4	Rocheport	30.25	74	64	WNW	4	b	2
Betmullet	29.91	59	54	W	5	c	*								

## REMARKS.

The barometer continues to fall on all but our extreme western coast, where a tendency to rise is shown. The wind has veered a little in most places and fair weather is reported in the west and north. In the south and south-east of England, however, rain is still falling. The sea is moderate to smooth.

## CONTINENTAL INFORMATION.

The Continental Reports of yesterday showed that a long band of high pressure in which readings exceeded 30.1 ins. extended from Spain and the Bay of Biscay across Central Europe to the neighbourhood of Moscow. To the north of this band readings decreased to below 29.7 ins. over Northern Europe, while to the south of it they decreased to about 29.9 ins. over Turkey. Over the more central parts of Europe the winds were therefore light and variable and the weather fine, but in the north and northwest moderate or fresh breezes from the SW were prevalent, with rain in many places, while in south-eastern Europe NE breezes and changeable conditions were reported. Temperature had fallen somewhat in the west of our Islands and also in Algeria, but elsewhere there was a tendency to rise. The highest readings at 8 am were 83° at Biskra, 81° at Bagliari, and 79° at Palma; the lowest 51° at Knopis, 52° at Helmsingfors, and 53° at Sumburgh Head and Skudesnaes.

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



# DAILY WEATHER REPORT

for Wednesday - 14<sup>th</sup> JULY 1886.

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

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 5 p.m. and Sea Level.	Temp. in Shade.	WIND.		Weather	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9).	SHADE TEMP.		Amount of Rainfall.		
			Direc.	Force (0 to 12).		Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.			
Haparanda	29.60	55	SE	4	r	29.62	- .01	54	52	- 4	S	8	c	2	61	54	0.32		
Hernösand	29.55	54	S	2	c	29.68	+ .08	58	55	+ 2	SSW	2	c	2	61	43	0.20		
Stockholm	29.69	58	S	2	bc	29.80	+ .17	61	55	+ 1	SSW	2	b	2	68	54	0.08		
Wisby	29.70	58	WSW	4	b	29.80	+ .11	59	54	- 1	W	4	b	2	63	55	0.32		
Bodö	29.59	52	WSW	1	b	29.67	+ .14	57	55	0	L	0	o	0	57	48	0.08		
Christiansund	29.63	52	SW	2	o	29.56	- .00	55	50	+ 1	ESE	3	c	2	55	46	0.12		
Skudesnaes	29.68	54	SSE	4	c	29.50	- .17	54	52	- 1	SE	6	r	4	58	54	-		
Oxö (Xtiansand)	29.75	55	SW	6	b	29.60	- .00	56	55	0	ESE	4	o	3	59	52	-		
Skagen (The Skaw)	29.71	55	W	3	b	29.73	+ .02	58	55	+ 1	SSW	2	bc	0	63	52	-		
Fanö	29.83	54	SW	1	b	29.62	- .16	59	57	- 3	SE	6	c	2	64	50	-		
Cuxhaven	29.95	61	NW	2	b	29.74	- .16	63	62	+ 4	S	3	b	2	63	?	-		
Sumburgh Head	29.50	52	S	2	c	29.27	- .30	52	52	+ 1	E	3	r	4	54	47	0.26		
Stornoway	29.47	55	SSW	4	og	29.32	- .15	53	49	+ 2	NNW	4	bc	3	58	48	-		
Wick	29.52	56	W	1	o	29.20	- .41	55	55	- 1	N	1	r	0	60	49	0.83		
Nairn	29.52	52	L	0	r	29.24	- .42	51	50	- 7	WNW	2	o	1	61	50	0.89		
Aberdeen	29.56	59	SSW	2	o	29.11	- .57	55	54	- 4	NW	1	r	2	66	51	0.46		
Leith	29.57	63	SW	3	c	29.13	- .62	55	54	- 2	NW	1	r	2	64	52	0.68		
Shields	29.68	61	SW	3	o	29.14	- .70	57	56	+ 1	SW	3	c	2	63	54	0.14		
Spurn Head	29.76	63	SW	3	c	29.25	- .64	58	58	- 2	SW	6	cpq	4	65	54	0.34		
York	29.74	60	SSW	1	o	29.23	- .60	58	56	0	SW	4	o	2	62	45	0.47		
Loughborough	29.77	65	SW	3	c	29.36	- .59	60	56	- 1	W	5	og	5	68	55	0.53		
Ardrossan	29.55	56	SSW	4	r	29.24	- .54	54	52	- 1	W	7	bpq	5	59	52	0.49		
Malin Head	29.40	53	SSE	5	o	29.38	- .37	52	49	- 1	NW	5	bpq	6	60	48	0.64		
Mullaghmore	29.35	59	S	6	r	29.51	- .30	52	50	- 5	WNW	5	cp	5	61	48	0.46		
Belmullet	29.37	58	WSW	5	o	29.58	- .23	54	51	- 3	NW	7	cp	5	59	50	0.61		
Donaghadee	29.54	55	SW	5	r	29.37	- .48	54	53	- 3	NW	7	c	5	65	52	0.50		
Barrow-in-Furness	29.69	58	SSW	5	o	29.21	- .65	53	52	- 3	WNW	8	c	5	60	52	0.63		
Liverpool (Bidston)	29.81	57	SW	2	o	29.34	- .56	56	53	- 2	W	8	c	5	63	54	0.53		
Holyhead	29.65	56	S	6	rgm	29.43	- .49	54	52	- 1	WNW	7	cp	6	60	53	0.22		
Parsonstown	29.47	61	SW	1	r	29.52	- .21	55	50	- 1	W	1	c	5	62	51	0.13		
Valencia	29.54	62	WSW	6	om	29.73	- .17	56	51	- 3	WNW	4	og	4	64	53	0.37		
Roche's Point	29.60	61	WSW	6	r	29.65	- .29	56	52	- 4	WNW	5	c	4	62	53	0.20		
Pembroke	29.71	57	SSW	6	r	29.58	- .39	55	52	- 3	WNW	6	cp	5	60	54	0.49		
Scilly	29.83	61	SSW	6	om	29.69	- .33	59	57	- 4	NW	5	op	5	68	56	0.66		
Prawle Point	29.87	60	SW	4	c	29.59	- .43	59	58	+ 1	WNW	5	c	5	63	55	0.34		
Hurst Castle	29.87	61	WSW	5	bc	29.50	- .51	60	60	- 1	WSW	6	c	3	73	55	0.65		
Dungeness	29.88	60	WSW	3	c	29.45	- .56	59	59	- 2	WSW	5	o	5	62	54	0.57		
London	29.83	64	SW	3	c	29.43	- .56	65	62	+ 5	SW	4	cp	5	73	54	0.30		
Oxford	29.77	61	SSW	2	c	29.44	- .54	59	55	0	W	5	cp	5	69	55	0.28		
Cambridge	29.79	63	SW	1	o	29.37	- .58	63	61	+ 2	SW	2	o	5	70	58	0.15		
Yarmouth	29.82	67	S	2	b	29.39	- .55	58	57	- 1	SSW	5	c	4	69	53	0.37		
The Helder	29.86	61	SW	1	bc	29.50	- .43	59	57	- 1	SW	5	r	3	68	55	0.08		
Cape Griz Nez	29.86	62	SW	4	bc	29.52	- .47	58	57	- 1	SW	11	r	3	64	55	0.43		
Jersey	29.92	61	WNW	3	bcw	29.63	- .40	60	60	+ 1	W	5	ogm	4	65	56	0.48		
Brest	29.94	62	WSW	4	o	29.73	- .31	61	60	+ 1	WNW	5	o	5	66	59	0.16		
Lorient	29.99	64	W	7	c	29.75	- .30	64	64	+ 1	W	7	r	4	72	57	0.35		
Rochefort	30.08	70	W	5	o	29.97	- .19	67	63	+ 2	WSW	7	o	2	77	59	0.04		
Biarritz	30.10	72	W	4	b	30.04	- .11	68	63	+ 1	S	3	c	1	76	63	-		
Corunna	*	*	*	*	*	30.10	- .08	63	62	- 3	E	1	f	3	73	59	-		
Brussels	*	*	*	*	*	29.58	- .43	61	60	0	SSW	5	r	5	72	60	0.24		
Charleville	29.97	66	W	7	o	29.74	- .33	63	59	+ 1	SW	7	o	5	76	59	0.04		
Paris	29.96	67	SSW	7	o	29.78	- .29	67	56	- 5	SSW	4	o	5	68	?	0.12		
Lyons	29.99	77	NNE	1	o	29.93	- .15	71	63	+ 5	SSE	1	c	5	80	60	-		
Toulon	30.02	72	NW	3	m	29.99	- .09	68	66	- 5	NW	1	m	1	81	61	-		

## EXPLANATION OF COLUMNS:

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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).

‡ These Stations send Reports at 2 p.m. daily (Sundays excepted).

§ Received too late for insertion in charts.



# WEATHER CHARTS

for 8 a.m. on

Wednesday 14<sup>th</sup> July

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.

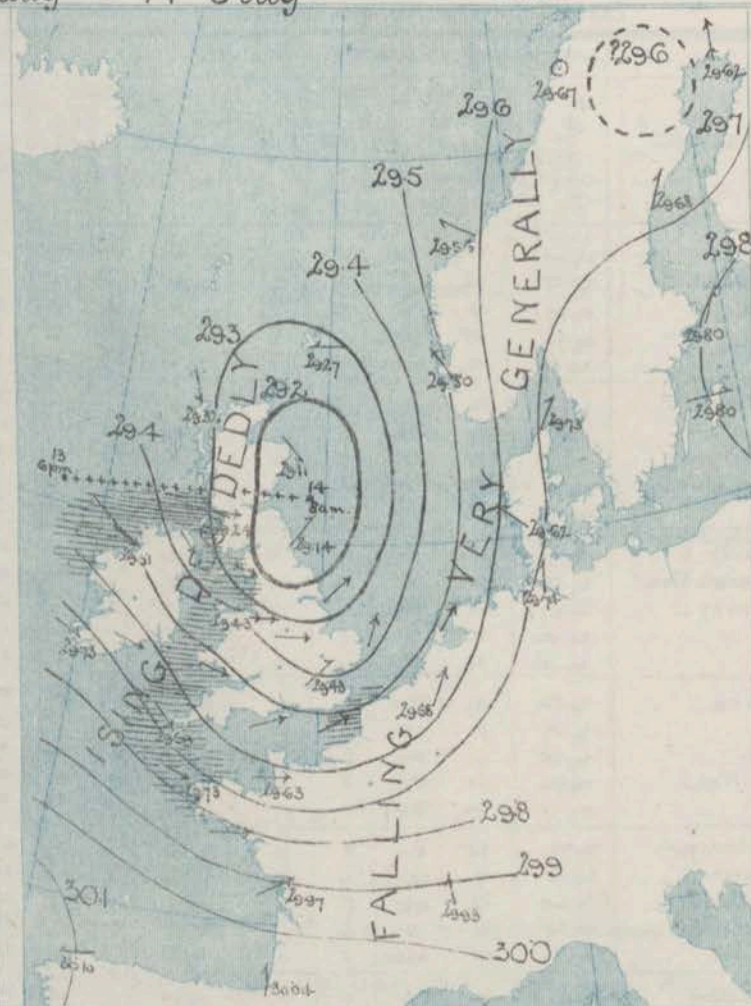
**Sea Disturbance** — where considerable, is shown thus

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS. in.
Sumburgh Head	29.827
Stornoway	29.799
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



## 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.

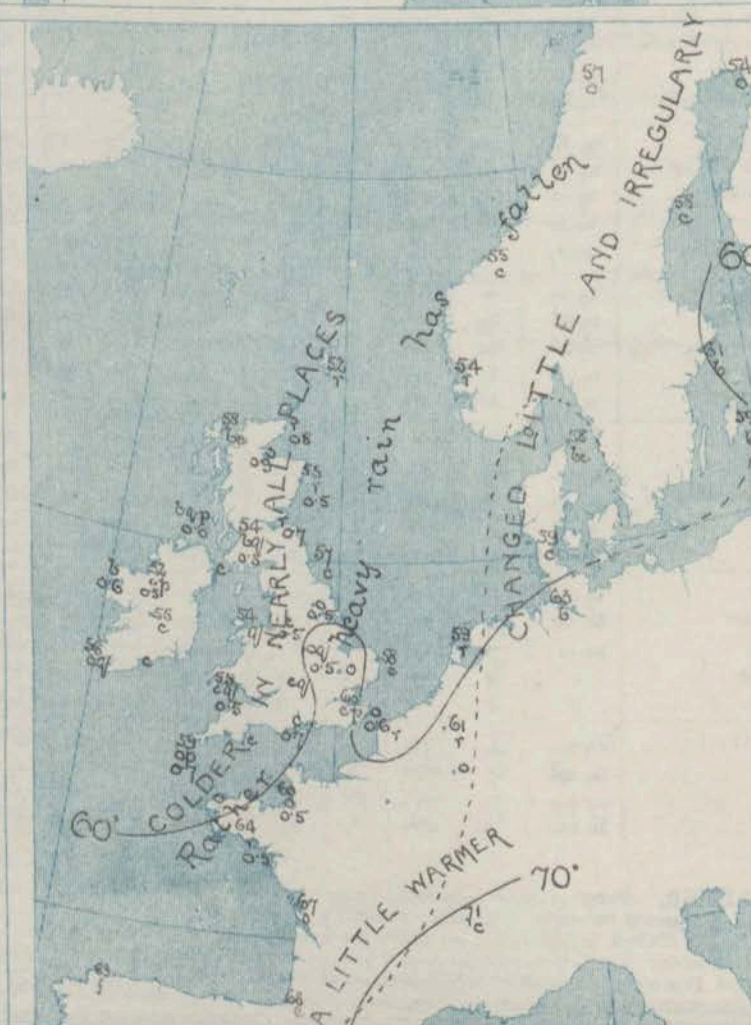
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE: AND RAINFALL.

for the month of July

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry	Wet.	
Sumburgh Head	57.9	48.5	53.7	52.2	2.09
Stornoway	60.3	49.7	56.4	54.3	3.02
Wick	62.4	49.4	56.2	53.9	2.25
Nairn	65.0	51.6	57.4	53.7	2.57
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	53.6	58.8	55.5	2.63
York	68.1	52.3	59.7	56.5	2.57
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.9	2.67
Holyhead	64.5	55.0	58.3	56.1	2.32
Liverpool	66.4	54.6	59.8	56.1	2.99
Valencia	61.5	53.9	59.0	56.2	3.91
Roche's Point	68.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.5	56.2	2.31
Scilly	65.0	56.9	60.3	58.2	2.29
Hurst Castle	67.9	56.4	61.7	59.2	2.15
Dover	67.4	57.5	63.0	59.2	1.82
LONDON	73.3	54.2	62.5	58.6	2.17
Oxford	69.9	53.7	60.4	57.1	2.51
Cambridge	72.5	52.8	61.3	58.0	2.30
Yarmouth	66.7	55.5	61.4	58.4	2.68

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





# REMARKS.

for

Wednesday 14<sup>th</sup> July

1886 at 8 a.m.

In the course of the past night the centre of a large and somewhat deep depression has passed across our northern coasts, occasioning a brisk and general fall of the barometer. The disturbance is now passing away to the east of Scotland and a decided recovery of pressure is in progress at our western and north-western stations, but elsewhere the barometer continues to fall. Light NW<sup>ly</sup> and N<sup>ly</sup> breezes prevail in the east of Scotland and very strong breezes from west or north-west on our western coasts (with gales at Barrow-in-Hurness and Liverpool), but in the east of England the wind draws into SW, while on the eastern shores of the North Sea it is SE<sup>ly</sup>. During the night fresh gales from between S and W have been felt on many parts of our western and southern coasts. Cloudy or overcast weather prevails generally, with rain in the north and east of Scotland; and passing showers in many other localities. In the course of the past twenty-four hours heavy rain has fallen in most places, the largest amount being 0.9 in at Nairn, 0.8 in at Wick, 0.7 in at Leith, Lillie and Hurst Castle and 0.6 in at Malin Head, Belmullet, Barrow-in-Hurness and Buncrana. Temperature has fallen a little generally, and readings over our islands now range from 65° in London to 51° at Nairn. The sea is rough at Malin Head and Holyhead and rather rough on our west and south coasts generally.

The depression will probably continue to move eastwards but as pressure in Scandinavia is relatively high, its passage across the North Sea is likely to be rather slow.

## FORECASTS

For the 24 hours ending at NOON on 15<sup>th</sup> July 1886.  
(Issued at 11 a.m. on the previous day.)

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	NW <sup>ly</sup> and N <sup>ly</sup> winds, freshening considerably, squally and showery to fair.	6 { SCOTLAND WEST	W <sup>ly</sup> and NW <sup>ly</sup> strong winds and gales, moderating later, squally, some showers.
1 { SCOTLAND EAST	----- D° ----- D°	7 { ENGLAND N. W.	----- D° ----- D°
2 { ENGLAND N. E.	SW <sup>ly</sup> to W <sup>ly</sup> winds, strong, showery to fair.	8 { ENGLAND S. W.	W <sup>ly</sup> and NW <sup>ly</sup> winds, fresh or strong, fair generally, but some showers.
3 { ENGLAND EAST	----- D° ----- D°	9 { IRELAND NORTH	Same as N° 6
4 { MIDLAND COUNTIES	Same as N° 5.	10 { IRELAND SOUTH	Same as N° 8.
5 { ENGLAND SOUTH	W <sup>ly</sup> winds, strong to moderate, some showers at first, then fair.	WARNINGS	The 'S. cone' was hoisted yesterday in districts 3 and 5 to 10.



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

TUESDAYS 2 P.M. REPORTS AND REMARKS.															
	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudexuars	29.72	58	52	WesW	4	c	3	Holyhead	29.82	59	56	SSW	5	cq	4
Sumburgh Head	29.55	54	51	S	3	r	4	Valencia	29.65	60	60	S	8	rnu	7
Stornoway	29.53	57	51	SW	5	c	4	Sailly	29.95	67	63	SW	4	o	4
Aberdeen	29.64	63	55	WSW	2	o	2	Dungeness	29.97	61	61	WSW	4	c	3
Shields	29.76	62	55	SW	3	c	2	London	29.90	71	62	SSW	2	c	*
Ardrossan	29.70	58	55	SW	3	o	3	Yarmouth	29.89	67	59	WSW	2	b	2
Malin Head	29.64	56	54	SSW	5	r	4	Jersey	29.99	64	61	WSW	2	c	2
Mullaghmore	29.61	56	54	S	5	or	4	Rochefort	30.15	73	66	WSW	4	o	2
Belmullet	29.53	54	54	S	5	or	*								

## REMARKS.

The barometer is falling at all stations - briskly in the coast of Ireland, where the wind is increasing from the S<sup>W</sup> with rain. At Valencia a fresh S<sup>W</sup> gale is reported. On our east coast the wind remains light from the S<sup>W</sup> and the weather fine. The sea is high at Valencia, but moderate to smooth elsewhere.

## CONTINENTAL INFORMATION.

Yesterday morning's Continental observations showed that pressure varied from 30.1 ins: and upwards over Southwestern Europe and Central Russia to 29.5 ins: over the north-west of Norway, so that the prevailing winds were S<sup>W</sup> and blew somewhat freshly at the north-western and northern stations. Temperature was rather low - ranging from between 70° and 75° on the northern shore of the Mediterranean to a little above 50° on the extreme north-western coast. The highest individual readings were 81° at Cagliari and 75° at Malta and Barcelona, the lowest 51° at Stornoway and 54° at Christiansund.

During the day the thermometer rose to 73° at Hurst Castle and in London and to 84° at Lyons.

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# DAILY WEATHER REPORT

for Thursday - 15<sup>th</sup> JULY 1886.

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

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 3 p. m. and Sea Level.	Temp. in Shade.	WIND.		Weather	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9).	SHADE TEMP.		Amount of Rainfall.			
			Direc.	Force. (0 to 12).		Reading at 8 a. m. and Sea Level.	Difference from 8 a. m. yesterday.	Dry.	Wet.	Difference from 8 a. m. yesterday.	Direc.	Force. (0 to 12).		Max.	Min.				
Haparanda	29.81	54	S	2	o	29.89	+ .27	61	56	+ 7	S	2	b	•	61	52	—		
Hernösand	29.78	58	Z	0	b	29.75	+ .07	60	55	+ 2	ESE	4	b	•	68	50	—		
Stockholm	29.76	59	ESE	2	b	29.58	— .22	62	59	+ 1	SE	4	o	•	75	50	0.04		
Wisby	29.69	56	S	4	b	29.54	— .26	62	60	+ 3	SE	4	r	•	72	55	—		
Bodö	29.68	55	NE	4	c	29.65	— .02	65	59	+ 8	ENE	4	bc	2	?	54	—		
Christiansund	29.43	59	ESE	1	o	29.25	— .31	63	53	+ 8	ESE	6	c	2	63	52	—		
Skudeenes	29.17	56	SSE	8	r	29.10	— .40	55	52	+ 1	SE	6	c	5	59	54	—		
Oxö (Ålön)	29.31	57	ESE	5	r	29.33	— .38	54	52	— 2	SSH	6	o	4	?	?	0.63		
Skagen (The Skaw)	29.36	58	SSE	6	o	29.37	— .36	57	54	— 1	SW	4	c	1	64	55	0.47		
Fanö	29.31	57	SW	6	c	29.46	— .16	52	50	— 7	WSW	4	c	•	70	52	1.06		
Coxhaven	29.46	60	SW	6	r	29.59	— .15	59	58	— 4	SW	4	bc	•	66	55	0.40		
Sumburgh Head	29.07	52	N	1	r	29.10	— .17	50	49	— 2	WNW	4	o	5	53	47	1.20		
Stornoway	29.42	51	NW	4	p	29.48	+ .14	54	50	+ 1	NW	5	cpq	4	56	46	0.09		
Wick	29.20	49	N	6	r	29.33	+ .13	49	49	— 6	NW	6	c	4	55	44	0.35		
Nairn	29.32	53	WNW	3	c	29.43	+ .22	52	48	+ 1	W	3	c	3	59	48	0.01		
Aberdeen	29.20	52	NW	5	c	29.37	+ .26	54	48	— 1	NW	6	cpq	5	57	47	—		
Leith	29.32	60	NW	4	bc	29.38	+ .37	58	51	+ 3	NW	3	b	•	62	46	0.08		
Shields	29.32	60	W	4	b	29.53	+ .39	53	50	— 4	WSW	4	b	3	62	47	—		
Spurn Head	29.39	59	W	7	bc	29.61	+ .36	55	52	— 3	W	6	b	•	62	51	—		
York	29.41	59	W	5	b	29.62	+ .39	56	50	— 2	W	4	b	•	63	48	—		
Loughborough	29.54	59	W	4	r	29.72	+ .36	55	51	— 5	W	5	bcq	•	62	50	0.04		
Androssan	29.43	56	W	6	b	29.59	+ .35	57	52	+ 3	WNW	6	c	5	58	50	—		
Malin Head	29.51	53	WNW	4	cpq	29.62	+ .24	53	50	+ 1	WNW	4	cpq	4	55	50	0.04		
Mullaghmore	29.64	53	NW	7	cpq	29.71	+ .20	54	50	+ 2	WNW	6	cpq	5	58	51	0.14		
Belmullet	29.71	54	NW	4	o	29.76	+ .18	54	49	0	W	4	bc	•	57	51	0.08		
Donaghadee	29.54	53	NW	6	r	29.68	+ .31	56	54	+ 2	NW	4	bc	2	60	49	0.15		
Barrow-in-Furness	29.48	56	W	6	b	29.65	+ .44	54	50	+ 1	WNW	6	cpq	•	58	51	0.02		
Liverpool (Bidston)	29.83	56	W	6	bc	29.71	+ .37	54	50	— 2	W	5	c	5	60	52	—		
Holyhead	29.59	55	WNW	6	c	29.75	+ .32	54	51	0	W	4	cpq	4	60	51	0.02		
Parsonstown	29.71	57	SW	2	o	29.79	+ .20	56	52	+ 1	W	1	bc	•	63	49	—		
Valencia	29.24	57	WNW	4	bcq	29.83	+ .10	58	54	+ 2	Z	0	c	1	63	47	—		
Roche's Point	29.83	57	NW	5	bc	29.83	+ .18	58	53	+ 2	S	1	b	1	62	48	—		
Pembroke	29.68	56	WNW	6	c	29.83	+ .25	55	52	0	WNW	5	b	4	59	53	—		
Seilly	29.83	60	WNW	7	bc	29.87	+ .18	63	59	+ 4	S	1	c	5	63	55	—		
Prawle Point	29.76	60	W	5	bc	29.89	+ .30	57	54	— 2	WSW	3	b	4	64	52	0.02		
Hurst Castle	29.69	63	WNW	5	bc	29.86	+ .36	58	54	— 2	WNW	5	bc	3	66	53	0.03		
Dungeness	29.58	66	NW	5	bc	29.79	+ .34	62	60	+ 3	WNW	4	b	4	70	53	—		
London	29.62	62	W	3	bc	29.79	+ .36	58	52	— 7	W	3	c	•	68	51	0.18		
Oxford	29.65	57	WSW	4	b	29.80	+ .36	55	50	— 4	SW	3	c	•	65	49	—		
Cambridge	29.58	59	WSW	3	b	29.76	+ .39	57	51	— 6	W	2	c	•	66	48	0.01		
Yarmouth	29.49	62	WNW	6	bcq	29.68	+ .29	56	51	— 2	WNW	4	bc	3	65	49	0.02		
The Helder	29.49	59	W	5	c	29.63	+ .13	55	52	— 4	W	5	o	4	64	54	0.16		
Cape Gris Nez	29.60	62	W	9	b	29.78	+ .26	57	54	— 1	NW	7	bc	5	68	55	0.04		
Jersey	29.80	60	W	4	bm	29.93	+ .30	60	56	0	WSW	4	bm	3	62	55	0.01		
Brest	29.90	60	NW	4	o	29.95	+ .22	59	58	— 2	W	4	o	4	66	57	—		
Lorient	29.88	64	NW	7	b	30.00	+ .25	61	57	— 3	W	4	c	3	68	54	0.08		
Rocheport	29.95	67	W	7	c	30.11	+ .14	63	59	— 4	NW	4	o	2	70	57	0.20		
Biarritz	30.06	70	WSW	5	o	30.17	+ .08	68	63	0	W	5	o	2	73	64	0.28		
Corunna	*	*	*	*	*														
Brussels	*	*	*	*	*	29.79	+ .21	58	53	— 3	W	3	o	•	71	52	0.08		
Chapleville	29.71	60	NW	4	o	29.91	+ .17	54	51	— 9	W	8	o	•	64	46	0.43		
Paris	29.72	67	WNW	4	bc	29.95	+ .17	56	53	— 1	W	3	bc	•	71	49	0.24		
Lyons	29.88	67	S	1	o	30.02	+ .09	58	54	— 13	WNW	1	o	•	82	56	0.20		
Toulon	29.93	67	NW	4	m	29.88	— .11	71	63	+ 3	NW	5	m	3	79	66	—		

## EXPLANATION OF COLUMNS.

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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).

\* These Stations send Reports at 2 p.m. daily (Sundays excepted).



# WEATHER CHARTS

for 8 a.m. on

Thursday 15<sup>th</sup> July

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 —

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

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

⊙ = dead calm.

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

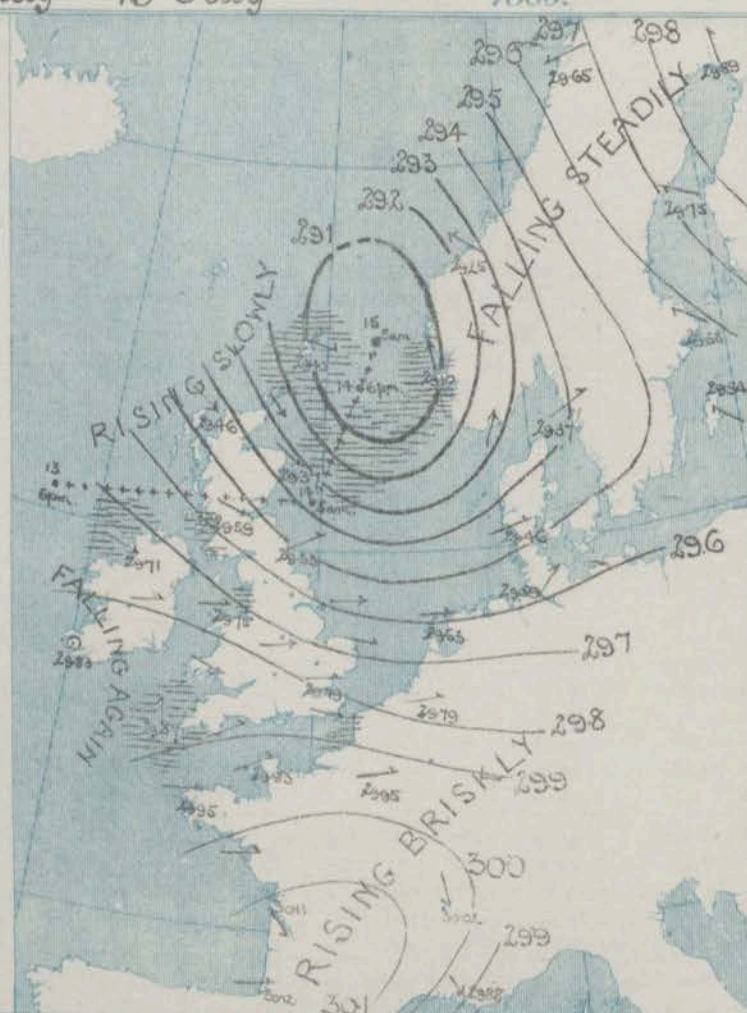
▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	1871.
Sumburgh Head	29.827
Stornoway	29.799
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



## 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.

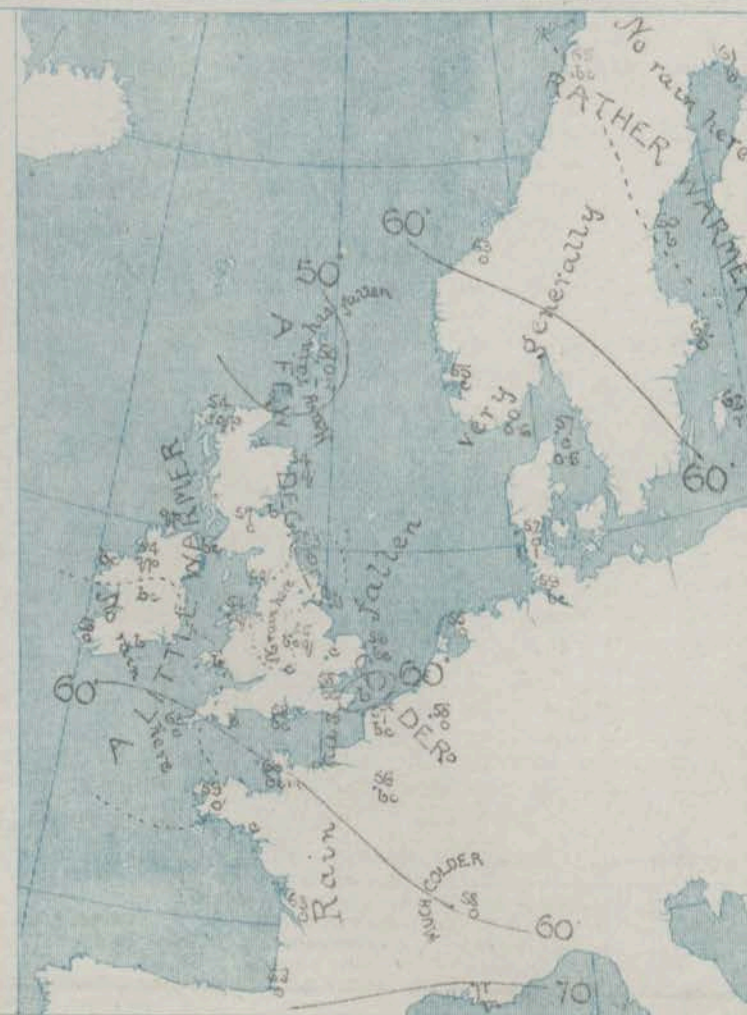
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of July

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.0	48.5	53.7	52.2	2.09
Stornoway	60.3	49.7	56.4	54.3	3.02
Wick	62.4	49.4	56.2	53.9	2.25
Nairn	65.0	51.6	57.4	53.7	2.57
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	53.6	58.8	55.5	2.63
York	68.1	52.3	59.7	56.5	2.57
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.9	2.67
Holyhead	64.5	55.0	58.3	56.1	2.32
Liverpool	66.4	54.6	59.8	56.1	2.99
Valencia	64.5	53.9	59.0	56.2	3.91
Roche's Point	68.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.5	56.2	2.31
Scilly	65.0	56.9	60.3	58.2	2.29
Hurst Castle	67.9	56.4	61.7	59.2	2.15
Dover	67.4	57.5	63.0	59.2	1.82
LONDON	73.3	54.2	62.5	58.6	2.17
Oxford	69.9	53.7	60.4	57.1	2.51
Cambridge	72.5	52.8	61.3	58.0	2.30
Yarmouth	68.7	55.5	61.4	58.4	2.68

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





## for

1886 at 8 a.m.

The changes of pressure and wind in the south-west seem to indicate the approach of a new depression, and a continuation of very unsettled weather is probable at our southern stations.

for the 24 hours ending at NOON on 16<sup>th</sup> July  
(Issued at 11 a.m. on the previous day.)

1886.

*Prodr. Dangeveld, Isth., London, (131.)*



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.															
	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes	29.32	59	54	ESE	6	0	4	Holyhead	29.54	58	54	WSW	5	bcq	5.
Sumburgh Head	29.17	52	52	NNE	2	r	4	Valencia	29.50	60	55	WNW	5	og	5
Stornoway	29.37	56	50	NNW	5	c	4	Scilly	29.78	61	56	WNW	7	bc	6
Aberdeen	29.14	56	53	NW	6	og	4	Dungeness	29.52	68	60	NNW	5	bc	5
Shields	29.25	59	53	WSW	4	0	2	London	29.52	67	58	W	6	bcq	*
Ardrossan	29.37	59	52	W	7	b	5	Yarmouth	29.40	63	55	WNW	6	cg	4
Malin Head	29.46	55	52	NW	4	bc	6	Jersey	29.74	61	57	W	5	b	4
Mullaghmore	29.58	58	52	WNW	7	cpq	6	Rochefort	29.94	67	66	WSW	8	r	4
Belmullet	29.65	55	52	NW	7	cp	*								

## REMARKS.

The depression is now moving slowly in a NNE<sup>ly</sup> direction, and the barometer is rising at all stations excepting Skudesnaes and Sumburgh Head. Fresh or strong winds from the NW<sup>ly</sup> or W<sup>ly</sup> are reported generally, with rain in the Shetlands and passing showers in the north of Ireland, but fair weather elsewhere. The sea is rough or rather so on all our W and S coast.

## CONTINENTAL INFORMATION.

Reports not yet received



# DAILY WEATHER REPORT

for Friday - 16<sup>th</sup> JULY 1886.

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

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 8 p.m. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9).	SHADE TEMP.		Amount of Rainfall.			
			Direc.	Force. (0 to 12).		Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).		Weather.	Max.		Min.		
Haparanda	29.85	66	Z	0	b	29.78	- .11	71	62	+ 10	E	2	b	73	52	-			
Hernösand	29.63	58	E	4	r	29.66	- .09	59	58	- 1	NE	2	f	64	52	0.20			
Stockholm	29.65	59	SSE	2	o	29.73	+ .15	58	55	- 4	W	2	c	66	54	0.12			
Wisby	29.59	58	SSW	4	b	29.69	+ .15	58	53	- 4	WNW	4	c	68	55	0.16			
Bodö	29.64	67	SE	6	b	29.58	- .07	67	60	+ 2	ESE	5	c	72	63	-			
Christiansund	29.19	64	ESE	6	b	29.32	+ .07	62	52	- 1	ESE	3	b	66	54	-			
Skudesnaes	29.23	53	WSW	8	r	29.58	+ .18	53	49	- 2	S	4	c	55	52	-			
Oxö (Xtiansand)	29.47	52	WSW	8	o	29.69	+ .36	55	52	+ 1	SSW	4	o	55	48	0.32			
Skagen (The Skaw)	29.59	53	SW	4	c	29.69	+ .32	56	52	- 1	SW	2	c	59	52	0.08			
Fanö	29.70	54	WSW	6	c	29.74	+ .28	58	55	+ 6	S	5	c	61	52	0.08			
Cuxhaven	29.80	57	N	3	c	29.83	+ .24	59	58	0	S	2	m	59	55	0.26			
Sumburgh Head	29.20	48	NW	5	r	29.32	+ .22	50	47	0	WSW	5	c	50	45	0.11			
Stornoway	29.50	53	WNW	4	c	29.55	+ .09	53	49	- 1	WNW	6	b	57	42	0.11			
Wick	29.41	46	NW	5	b	29.49	+ .16	54	49	+ 5	WNW	5	b	57	42	-			
Nairn	29.45	56	WNW	3	b	29.53	+ .10	54	49	+ 2	WNW	3	b	60	45	-			
Aberdeen	29.47	57	NW	3	c	29.57	+ .20	57	50	+ 3	WNW	2	b	63	47	0.01			
Leith	29.56	56	NW	3	b	29.62	+ .12	54	51	- 4	NW	1	c	62	47	0.01			
Shields	29.61	56	SW	4	c	29.59	+ .06	52	52	- 1	N	2	o	61	49	0.71			
Spurn Head	29.70	59	W	5	c	29.63	+ .02	55	54	0	S	4	b	60	60	0.03			
York	29.70	58	W	3	o	29.62	0.00	56	55	0	SSW	1	c	62	48	0.17			
Loughborough	29.76	62	WSW	3	b	29.69	- .03	58	55	+ 3	WNW	3	opq	66	45	0.12			
Ardrossan	29.63	53	W	4	opq	29.66	+ .07	53	51	- 4	NNW	3	c	58	49	0.12			
Malin Head	29.64	55	WNW	3	b	29.73	+ .11	56	55	+ 3	NNW	4	b	58	50	0.42			
Mullaghmore	29.66	58	W	1	c	29.76	+ .05	55	51	+ 1	WNW	5	b	60	53	0.08			
Belmullet	29.63	56	S	3	or	29.83	+ .07	55	57	+ 1	NW	3	o	60	51	0.24			
Donaghadee	29.65	62	SW	3	b	29.70	+ .02	52	52	- 4	N	4	b	63	50	0.15			
Barrow-in-Furness	29.69	58	SW	4	b	29.57	- .08	55	54	+ 1	W	5	o	59	53	0.18			
Liverpool (Bidston)	29.73	61	W	4	b	29.65	- .06	57	54	+ 3	W	6	b	62	52	0.15			
Holyhead	29.74	56	SSW	4	b	29.70	- .05	59	56	+ 5	WSW	4	b	61	54	0.03			
Parsonstown	29.71	64	W	1	c	29.79	0.00	56	54	0	NW	1	og	66	53	0.11			
Valencia	29.77	64	W	4	c	29.81	- .02	58	55	- 2	NW	3	om	61	55	0.04			
Roche's Point	29.79	58	W	4	c	29.85	+ .02	58	54	0	NW	4	b	64	53	-			
Pembroke	29.80	57	WSW	3	b	29.80	- .03	57	55	+ 2	WNW	7	b	60	55	0.03			
Seilly	29.82	62	SSE	1	c	29.91	+ .04	61	58	- 2	WNW	5	b	66	58	-			
Prawle Point	29.84	58	SW	3	c	29.86	- .03	60	57	+ 3	WSW	4	c	63	55	0.01			
Hurst Castle	29.84	61	WSW	5	b	29.81	- .05	64	60	+ 6	W	5	b	70	55	-			
Dungeness	29.82	60	W	5	b	29.75	- .04	59	59	- 3	W	4	o	65	56	-			
London	29.80	63	WNW	3	b	29.75	- .04	58	56	0	WSW	3	cp	67	57	0.01			
Oxford	29.80	38	SW	2	b	29.77	- .03	61	55	+ 6	W	5	og	65	49	-			
Cambridge	29.77	63	Z	0	b	29.71	- .05	58	57	+ 1	W	1	c	66	42	0.06			
Yarmouth	29.77	62	WSW	1	b	29.70	+ .02	60	55	+ 4	SW	4	c	64	50	-			
The Helder	29.80	59	SW	3	c	29.74	+ .11	59	57	- 4	SW	3	o	63	52	0.04			
Cape Gris Nez	29.85	60	W	5	b	29.77	- .01	58	57	+ 1	W	4	o	63	55	-			
Jersey	29.85	58	SSE	2	f	29.90	- .03	59	56	- 1	WNW	4	og	63	56	0.06			
Brest	29.88	61	WNW	5	m	29.97	+ .02	59	57	0	NW	4	o	63	55	0.12			
Lorient	29.91	63	W	7	o	29.99	- .01	61	60	0	WNW	4	m	66	54	0.12			
Rochefort	30.06	64	SW	7	f	30.06	- .05	66	66	+ 3	W	7	r	72	59	0.08			
Biarritz	30.13	70	SW	4	o	30.17	+ .05	68	66	0	WSW	5	c	72	66	-			
Corunna	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			
Brussels	*	*	*	*	*	29.76	- .03	61	58	+ 3	S	3	o	65	56	-			
Charleville	29.73	61	W	1	b	29.89	- .02	59	57	+ 5	WSW	4	o	66	52	0.08			
Paris	29.94	67	SW	4	b	29.87	- .08	63	63	+ 7	WSW	3	o	72	?	0.08			
Lyons	30.02	66	NE	3	c	30.03	+ .01	65	59	+ 7	S	1	c	70	?	-			
Toulon	29.81	73	SW	8	b	29.93	+ .05	68	59	- 3	NW	8	b	81	64	-			

## EXPLANATION OF COLUMNS.

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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).  
 ‡ These Stations send Reports at 2 p.m. daily (Sundays excepted).

Printed by D. B. & Co. Ltd. London



# WEATHER CHARTS

for 8 a.m. on

Friday

16<sup>th</sup> July

1886.

## BAROMETER, WIND & SEA.

(Explanation of Map.)

**Barometer**—Isobars are drawn for each tenth of an inch. Changes since previous meeting 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.

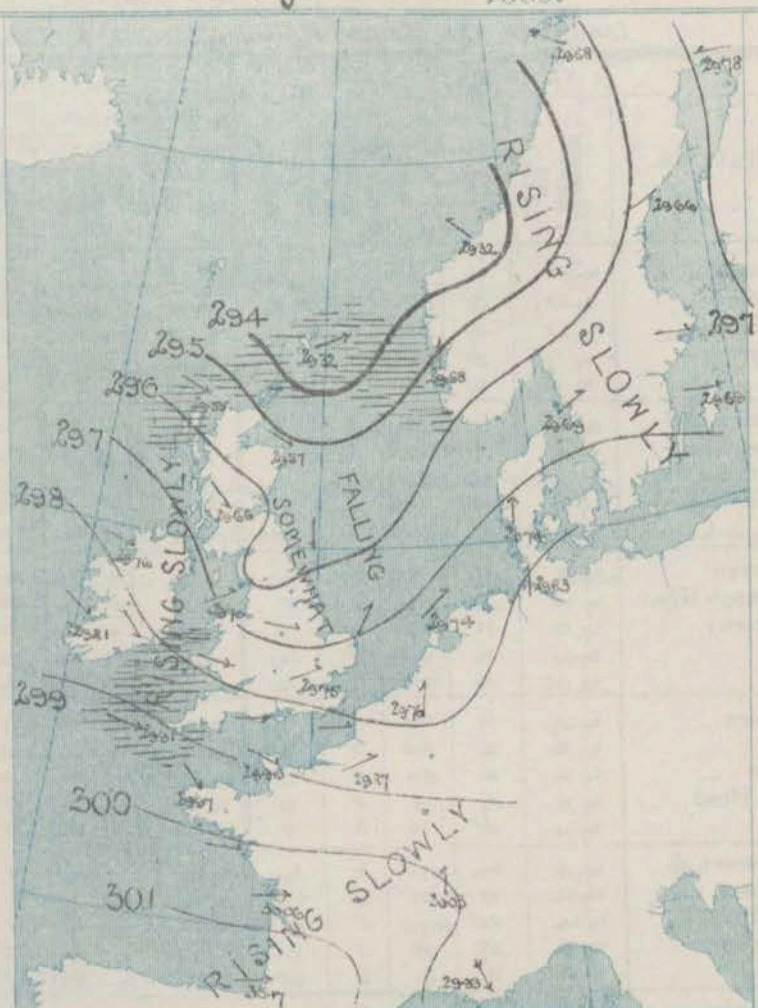
**Sea Disturbance**—where considerable, is shown thus

— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.827
Stornoway	29.799
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



## 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.

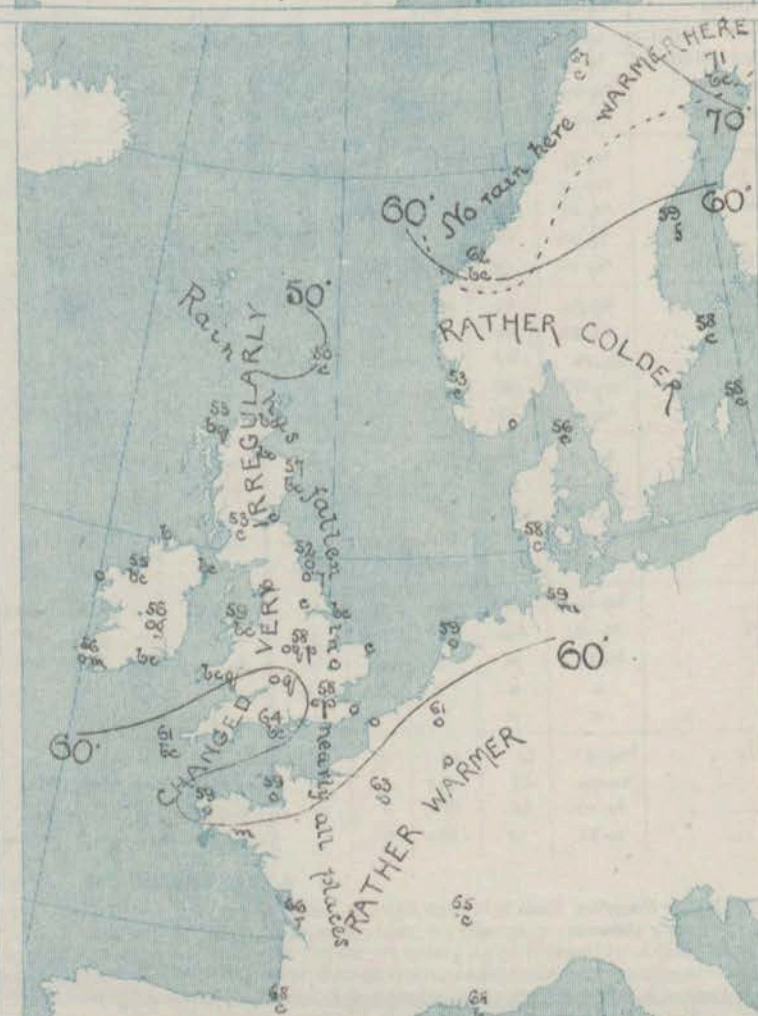
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of July.

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max	Daily Min	At 8 a.m.	At 4 p.m.	
Sumburgh Head	57.9	48.5	53.7	62.2	2.09
Stornoway	60.3	49.7	56.4	64.3	3.02
Wick	62.4	49.4	56.2	63.9	2.25
Nairn	65.0	51.6	57.4	63.7	2.57
Aberdeen	64.4	51.7	57.9	64.4	2.74
Leith	68.0	52.0	59.1	65.9	2.84
Shields	64.6	53.6	58.8	65.5	2.03
York	68.1	52.3	59.7	66.5	2.57
Ardrossan	64.0	53.8	57.8	64.8	2.91
Donaghadee	62.9	52.0	57.7	65.9	2.67
Holyhead	64.5	55.0	58.3	66.1	2.32
Liverpool	66.4	54.6	59.8	66.1	2.99
Valencia	64.5	53.9	59.0	66.2	3.91
Roche's Point	68.2	53.9	59.1	66.0	3.16
Pembroke	64.0	55.4	58.5	66.2	2.31
Scilly	66.0	56.9	60.3	68.2	2.29
Hurst Castle	67.9	56.4	61.7	69.2	2.15
Dover	67.4	57.5	63.0	69.2	1.82
LONDON	73.3	54.2	62.5	68.6	2.17
Oxford	69.9	53.7	60.4	67.1	2.51
Cambridge	72.5	62.8	61.3	68.0	2.30
Yarmouth	66.7	55.5	61.4	68.4	2.68

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





## for

1886 at 8 a.m.

There is still a tendency for shallow depressions to advance over our islands from the westward; and changeable showery weather is therefore likely to continue for a time.

The Chief Signal Officer at Washington U.S. reports that icebergs were seen on the 10<sup>th</sup> inst. in Lat: 44° N, Long: 49° W.

for the 24 hours ending at NOON on 17<sup>th</sup> July  
(Issued at 11 a.m. on the previous day.)

1886.

*Printed by Dangerfield, Lith. London, (13.)*



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.															
	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes	29.14	54	50	SE	8	r	Holyhead	29.76	58	53	SSW	4	bog	4	
Sumburgh Head	29.17	49	48	NW	5	o	Valencia	29.80	60	58	SSE	4	o	4	
Stornoway	29.48	54	50	WNW	5	cp	Scilly	29.84	60	62	S	2	c	4	
Aberdeen	29.41	63	54	WNW	5	bc	Dungeness	29.82	61	61	W	5	c	4	
Shields	29.60	60	55	WSW	4	c	London	29.87	65	57	NNW	3	c	*	
Ardrossan	29.63	55	52	W	3	r	Yarmouth	29.74	63	53	W	4	b	3	
Malin Head	29.63	57	54	WNW	4	bc	Jersey	29.90	61	59	SW	3	o	3	
Mulhagmore	29.72	59	53	WNW	5	c	Rocheport	30.12	68	62	W	5	o	2	
Belmullet	29.72	58	53	WNW	2	bc									

## REMARKS.

The barometer continues to rise at all our more northern and eastern stations, but is falling slightly in the extreme west and south-west. The wind is inclined to back generally and at Valencia a moderate SSE breeze has set in. Fair weather continues in most places, but showers are reported at Stornoway. The sea is rather rough at Sumburgh Hd, moderate to smooth elsewhere.

## CONTINENTAL INFORMATION.

The Continental Reports for yesterday morning showed that pressure was high over Portugal and the neighbouring parts of the Atlantic, and also over Northern Russia, while a large hollow, lying over Scandinavia, the North Sea and Eastern Germany separated the two. Thus, while varying W<sup>2</sup> (SW to NW) winds prevailed over Western Europe, with cool, cloudy, showery weather, the winds were S<sup>2</sup> <sup>over Russia</sup>, and the weather warm. Temperature varied from 70° to 75° on the northern shores of the Mediterranean and Adriatic to between 60° and 70° over Eastern Germany, the Baltic Provinces, Finland and Lapland, and to only 50° to 55° over the British Isles, the North Sea and greater part of France. The highest individual readings reported were 84° at Biskra (Algeria) and Alicante, 81° at Cagliari and 79° at Barcelona, the lowest 52° at Fano and Naim, and 53° at Shields. The daily range in the south of France was very large, the maximum at C. Bearn on Wednesday having been 93° and that at Toulon 97°.

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



# DAILY WEATHER REPORT

for Saturday - 17<sup>th</sup> JULY 1886.

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

Issued by the Meteorological Office, No. 1, Victoria Road, London, W.1.															PAST 24 HOURS.			
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.	
Haparanda	29.75	62	E	2	o	29.76	- .02	70	65	- 1	E	2	c	*	81	57	? -	
Hernösand	29.72	58	Z	0	b	29.70	+ .04	57	55	- 2	NE	2	r	*	72	55	0.04	
Stockholm	29.76	61	Z	0	bc	29.71	- .02	59	54	+ 1	WNW	2	o	*	73	54	-	
Wisby	29.62	60	W	4	b	29.69	00	60	52	+ 2	W	4	o	*	68	55	-	
Bodö	29.64	59	ENE	4	c	29.72	+ .14	64	58	- 3	ENE	2	bc	1	?	52	0.12	
Christiansund	29.59	55	NNE	4	bc	29.62	+ .03	60	54	- 2	SSE	1	b	0	?	46	-	
† Skudesnaes	29.69	53	SSW	4	c	29.81	+ .12	53	51	0	S	6	r	5	57	52	-	
Oxö (Xtiansand)	29.75	56	SW	2	o	29.85	+ .10	54	51	- 1	WSW	4	b	2	59	52	0.20	
Skagen (The Skaw)	29.76	55	Z	0	c	29.81	+ .12	55	53	- 1	NW	1	o	0	61	54	0.16	
Fanö	29.75	56	SE	2	c	29.83	+ .08	60	57	+ 2	NNW	4	c	*	63	54	0.63	
Cuxhaven	29.78	62	SW	1	c	29.90	+ .12	62	61	+ 3	WNW	5	bc	*	67	59	0.20	
† Sumburgh Head	29.42	48	WSW	4	o	29.63	+ .21	58	49	+ 1	WSW	4	r	5	53	47	0.32	
† Stornoway	29.67	54	W	6	cg	29.80	+ .13	54	49	+ 1	WSW	4	og	3	58	48	-	
Wick	29.60	52	WNW	6	o	29.80	+ .20	55	51	+ 1	W	4	o	2	55	47	0.04	
Nairn	29.61	53	W	2	bc	29.81	+ .20	56	50	+ 2	SW	1	b	1	59	47	0.02	
† Aberdeen	29.69	61	WNW	3	bc	29.86	+ .17	59	51	+ 2	WSW	1	b	1	65	43	-	
Leith	29.76	58	NW	3	bc	29.89	+ .13	55	51	+ 1	NW	2	bc	*	66	47	-	
† Shields	29.77	61	WNW	2	c	29.92	+ .15	55	52	+ 3	SW	2	o	2	63	46	-	
Spurn Head	29.81	56	ESE	1	bc	29.97	+ .16	57	53	+ 2	SSW	1	bc	2	61	51	-	
York	29.81	62	W	4	bc	29.96	+ .15	55	52	- 1	S	1	o	*	64	45	-	
Loughborough	29.88	63	WNW	4	c	29.98	+ .10	59	55	+ 1	SE	3	ow	*	65	46	-	
† Ardrossan	29.82	56	WNW	4	bc	29.89	+ .07	57	53	+ 4	Z	0	bc	2	61	51	-	
Malin Head	29.85	54	WNW	3	o	29.87	+ .02	56	53	0	NE	1	bc	2	58	48	-	
† Mullaghmore	29.89	57	WNW	4	c	29.86	+ .03	56	52	+ 1	E	4	c	2	62	54	-	
Belmullet	29.91	57	W	2	c	29.83	+ .08	56	53	+ 1	ESE	3	o	*	60	47	-	
Donaghadee	29.89	54	S	2	c	29.91	+ .02	57	55	+ 5	E	8	c	1	60	47	-	
Barrow-in-Furness	29.86	58	NW	4	b	29.91	+ .05	57	55	+ 2	ESP	3	o	*	59	53	-	
Liverpool (Bidston)	29.90	59	W	2	b	29.92	+ .02	59	55	+ 2	SSE	1	o	2	60	52	-	
† Holyhead	29.90	58	SW	3	bc	29.90	+ .00	57	56	- 2	SSW	1	r	2	63	52	-	
Parsonstown	29.92	61	NNW	1	o	29.84	+ .08	57	56	+ 1	SE	1	od	*	65	54	-	
† Valencia	29.95	56	WSW	3	omd	29.83	- .12	61	61	+ 5	SSW	5	ow	5	64	54	0.62	
Roche's Point	29.87	61	W	4	c	29.85	- .02	58	56	0	SW	1	rm	3	65	55	0.60	
Pembroke	29.96	57	W	4	c	29.90	+ .06	59	59	+ 2	SW	5	rgm	6	60	55	0.71	
† Scilly	30.03	62	W	5	c	29.99	+ .04	63	62	+ 2	SW	5	o	5	64	58	-	
Prawle Point	29.99	61	W	5	b	30.05	+ .06	58	58	- 2	SSW	3	o	4	65	55	-	
Hurst Castle	29.94	68	WNW	5	bc	30.05	+ .11	61	59	- 2	SW	3	c	3	71	55	-	
† Dungeness	29.85	62	W	5	c	30.01	+ .16	60	59	+ 1	NW	1	bc	*	67	58	-	
† London	29.88	66	WNW	3	c	30.03	+ .15	63	58	+ 5	SSW	1	bc	*	71	54	-	
Oxford	29.94	61	W	2	bc	30.01	+ .07	59	56	- 2	S	3	o	*	68	53	-	
Cambridge	29.85	65	WNW	1	b	30.01	+ .16	63	55	+ 5	S	1	c	*	69	45	-	
† Yarmouth	29.82	61	N	2	b	30.01	+ .19	59	52	- 1	Z	0	b	2	68	48	0.06	
The Helder	29.82	60	W	3	c	29.99	+ .17	59	54	0	WNW	1	bc	1	63	57	-	
Cape Gris Nez	29.86	61	W	9	b	30.03	+ .17	62	59	+ 4	N	1	b	1	64	57	-	
† Jersey	30.02	61	W	4	b	30.10	+ .08	60	58	+ 1	WSW	3	cm	3	65	56	-	
Brest	30.11	63	WNW	4	bc	30.12	+ .01	60	58	+ 1	SW	4	b	4	66	55	-	
Lorient	30.12	63	WNW	7	bc	30.16	+ .04	62	59	+ 1	W	3	b	3	70	52	-	
† Rochefort	30.13	66	W	7	b	30.21	+ .08	62	60	- 4	ENE	4	b	2	72	55	-	
Biarritz	30.19	69	WSW	5	o	30.17	- .02	67	64	- 1	? SW	3	o	2	72	64	-	
Corunna	*	*	*	*	*	30.08	- .10	67	64	- 2	NE	1	m	4	77	59	-	
Brussels	*	*	*	*	*	30.05	+ .20	66	57	- 1	WSW	3	b	*	70	55	0.16	
Charleville	29.93	66	NW	7	b	30.10	+ .17	54	53	- 5	Z	0	b	*	72	45	-	
Paris	29.99	67	WNW	4	bc	30.13	+ .14	58	55	- 5	WSW	1	b	*	75	49	-	
Lyons	30.04	67	ESE	1	o	30.13	+ .10	68	59	0	N	3	o	*	77	59	0.08	
Toulon	29.95	69	NW	8	m	29.98	+ .03	68	61	0	NW	7	m	3	75	63	-	

## EXPLANATION OF COLUMNS.

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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).

‡ These Stations send Reports at 2 p.m. daily (Sundays excepted).



# WEATHER

for 8 a.m. on

Saturday

# CHARTS

17<sup>th</sup> July

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.

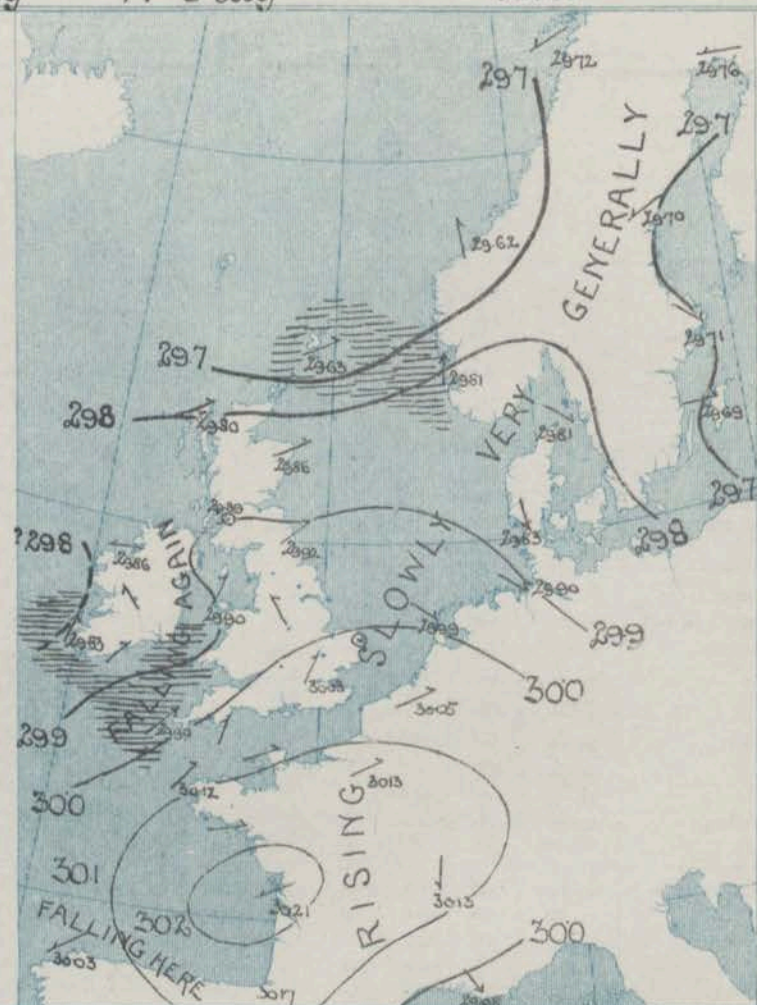
**Sea Disturbance** — where considerable, is shown thus

▨ = Rough, ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS. in.
Sumburgh Head	29.827
Stornoway	29.799
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Rocha's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



## 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.

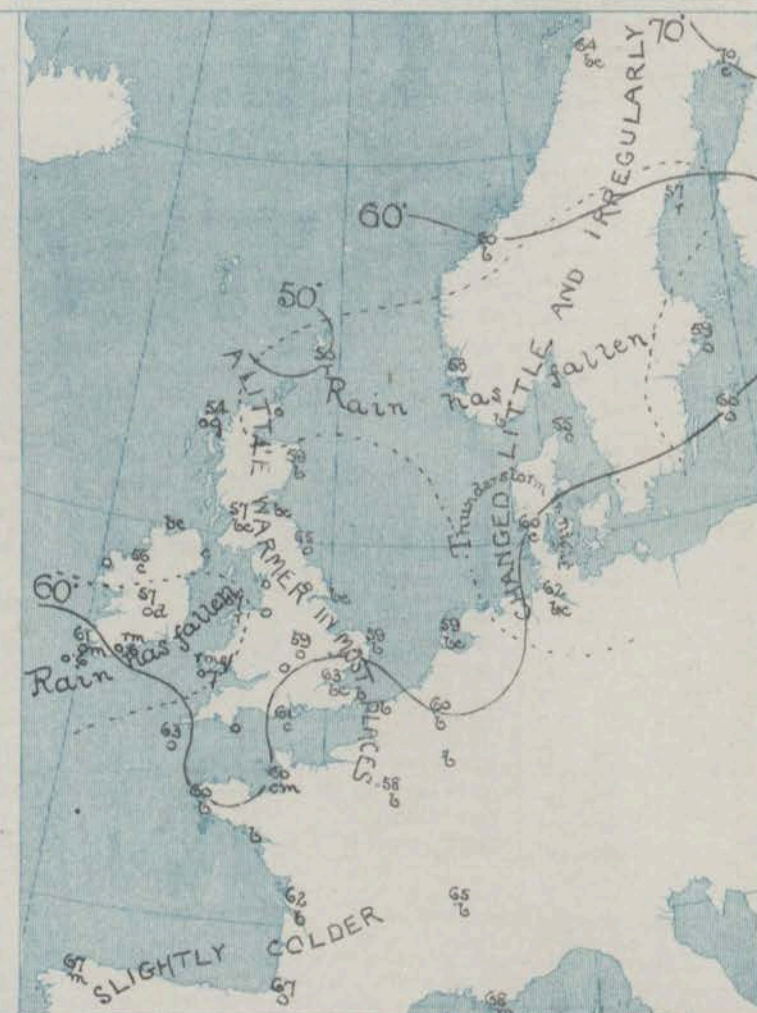
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of July

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m. Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.7	52.2	2.09
Stornoway	60.3	49.7	56.4	54.3	3.02
Wick	62.4	49.4	56.2	53.9	2.25
Nairn	65.0	51.6	57.4	53.7	2.57
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	53.6	58.8	55.5	2.63
York	68.1	52.3	59.7	56.5	2.57
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.9	2.67
Holyhead	64.5	55.0	58.3	56.1	2.32
Liverpool	66.4	54.6	59.8	56.1	2.99
Valencia	64.5	53.9	59.0	56.2	3.91
Rocha's Point	68.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.5	56.2	2.31
Scilly	65.0	56.9	60.3	58.2	2.29
Hurst Castle	67.9	56.4	61.7	59.2	2.15
Dover	67.4	57.5	63.0	59.2	1.82
LONDON	73.3	54.2	62.5	58.6	2.17
Oxford	69.9	53.7	60.4	57.1	2.51
Cambridge	72.5	52.8	61.3	58.0	2.30
Yarmouth	66.7	55.5	61.4	58.4	2.68

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





# REMARKS.

for

Saturday 17<sup>th</sup> July. 1886 at 8 a.m.

In the course of the past twentyfour hours the barometer has risen at all but our western stations, where a fresh fall has set in during the night. Pressure is still high over the Bay of Biscay and low to the northward of our islands, but the intervening gradients are slight. The wind is light from SE or E in the north of Ireland and the north-west of England, but in other parts of the Kingdom and in the north of France it varies between SW and W, while in Denmark it draws into NW; in force it is light or moderate on all but our south-western coasts, where fresh breezes are reported. The weather is fine at our northern eastern and many of the Continental stations, but dull and rainy on our western coasts. In the course of the night heavy rain has fallen at some of our south-western stations, the largest amounts being 0.7 in at Pembroke and 0.6 in at Valencia and Roche's Point. Temperature has changed rather irregularly, and readings over our islands now range from 63° at Lillilly, Cambridge and in London to 50° in the Shetlands. The sea is rough at Pembroke, and rather rough on our south-west coasts generally as well as at St. George's Head.

A small depression is evidently advancing from the westward, and rain is probable over the greater part of Ireland and England.

## FORECASTS

For the 24 hours ending at NOON on 18<sup>th</sup> July 1886.  
(Issued at 11 a.m. on the previous day.)

### DISTRICTS.

### FORECASTS.

- |                         |   |
|-------------------------|---|
| 0 { SCOTLAND<br>NORTH   | W <sup>ly</sup> or SW <sup>ly</sup> winds, moderate, fair generally, but local showers. |
| 1 { SCOTLAND<br>EAST    | ----- D° ----- D° -----   |
| 2 { ENGLAND<br>N.E.     | St <sup>ly</sup> to W <sup>ly</sup> winds, moderate, fair to unsettled and rainy.       |
| 3 { ENGLAND<br>EAST     | ----- D° ----- D° -----   |
| 4 { MIDLAND<br>COUNTIES | Same as N° 5.   |
| 5 { ENGLAND<br>SOUTH    | SW <sup>ly</sup> to W <sup>ly</sup> winds, freshening, rainy to fair.                   |

### DISTRICTS.

### FORECASTS.

- |                       |   |
|-----------------------|---|
| 6 { SCOTLAND<br>WEST  | Variable airs, fair generally, but local showers.                 |
| 7 { ENGLAND<br>N.W.   | Variable to NW <sup>ly</sup> breezes, rainy to fair.              |
| 8 { ENGLAND<br>S.W.   | SW <sup>ly</sup> to W <sup>ly</sup> winds, strong, rainy to fair. |
| 9 { IRELAND<br>NORTH  | Same as N° 7.   |
| 10 { IRELAND<br>SOUTH | SW <sup>ly</sup> to NW <sup>ly</sup> winds, fresh, rainy to fair. |

### WARNINGS

None issued.



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes	29.64	57	53	SW	6	c	5	Holyhead	29.86	59	55	NW	2	c	2
Sumburgh Head	29.36	50	49	WSW	6	r	5	Valencia	29.96	63	59	SW	3	o	4
Stornoway	29.62	56	50	W	6	c	5	Scilly	30.01	64	60	WNW	4	bc	5
Aberdeen	29.63	65	55	WNW	3	c	2	Dungeness	29.77	64	64	W	4	c	4
Shields	29.71	59	54	WSW	2	o	2	London	29.83	69	61	W	2	o	*
Ardrossan	29.77	60	54	WNW	4	b	3	Yarmouth	29.76	65	59	WNW	4	bc	3
Malin Head	29.82	58	54	WNW	3	bc	4	Jersey	29.99	63	58	W	5	b	4
Mulhaghmore	29.87	58	53	WNW	4	cr	2	Rochefort	30.11	69	66	W	7	o	3
Belmullet	29.90	59	54	WNW	2	c	*								

## REMARKS.

The barometer continues to rise generally, with little change in the winds excepting at Valencia, where a back to SW. has occurred. Fair weather is reported in most places, and rain is falling at Sumburgh Hd. The sea is rather rough off the north of Scotland as well as at Scilly, moderate to smooth elsewhere.

## CONTINENTAL INFORMATION.

The Continental Reports for yesterday morning showed that pressure was still highest over SW<sup>th</sup> and NE<sup>th</sup> Europe, while the whole of the NW<sup>th</sup> portion was covered by a large and somewhat complex "hollow" causing cool NW and N<sup>th</sup> breezes with cloudy, and rather showery weather to prevail over the British Isles, France, the Baltic and North Germany, while over Northern and Eastern Russia the weather was fine, quiet and very warm. Temperatures at 8am varied in fact from between 68° and 75° over the northern parts of the Mediterranean and Eastern and Northern Russia to but little above 50° in many parts of the British Isles and the west of Norway. The highest individual readings reported were 83° at Kiskra (Algeria) 81° at Bagliari, 77° at Barcelona, 70° at Moscow and 74° at Uleaborg (Finland), while the lowest were 50° at Sumburgh Hd., 52° at Shields, and 53° at Skudesnaes.

The diurnal range of temperature over Southern Europe was still large the maximum reading on the 15<sup>th</sup> having been as high as 95° at Madrid, 100° at Barcelona and 82° at Nice. At Kiskra (Algeria) the maximum was 104°.



# DAILY WEATHER REPORT

for Sunday - 18<sup>th</sup> JULY 1886.

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

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 3 p.m. 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 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force (0 to 12).			Max.	Min.		
Haparanda	29.71	68	E	2	c	29.73	- .03	73	64	+ 3	E	4	c	*	77	61	-	
Hernösand	29.58	56	N	2	o	29.62	- .08	58	58	+ 1	N	4	c	*	61	58	0.35	
Stockholm	29.69	64	W	2	o	29.66	- .05	61	55	+ 2	W	2	c	*	68	54	-	
Wisby	29.69	60	WNW	4	c	29.69	.00	58	54	- 2	WNW	4	c	*	66	57	-	
Bodö	29.70	55	ENE	2	r	29.77	+ .05	55	53	- 9	WSW	4	o	2	64	52	0.59	
Christiansund	29.76	54	WSW	4	o	29.85	+ .23	51	49	- 9	SW	4	f	3	63	48	-	
Skudesnaes	29.91	53	W	2	o	29.94	+ .13	55	50	+ 2	W	2	c	4	?	52	-	
Oxö (Åthausand)	29.89	57	W	4	c	29.89	+ .02	58	53	+ 4	WNW	4	b	1	?	52	-	
Skagen (The Skaw)	29.85	54	NW	4	c	29.85	+ .04	59	52	+ 2	NW	4	b	1	64	54	-	
Fanö	29.98	53	WNW	4	b	29.97	+ .14	63	59	+ 3	W	4	b	*	63	50	0.04	
Cuxhaven	30.05	59	WNW	2	b	30.06	+ .16	61	60	- 1	W	1	b	*	62	56	-	
† Sumburgh Head	29.81	51	WSW	4	o	29.86	+ .23	52	50	+ 2	SSE	3	o	2	54	45	-	
† Stornoway	29.80	55	WSW	3	cg	29.73	- .07	54	51	0	NE	2	c	1	59	42	-	
Wick	29.89	57	W	2	bc	29.79	- .01	54	52	- 1	S	3	bc	2	60	46	-	
Nairn	29.83	62	Z	0	b	29.74	- .07	53	49	- 3	ESE	1	bc	1	66	46	-	
† Aberdeen...	29.88	57	S	2	b	29.79	- .07	53	52	- 6	SE	2	dm	1	? 65	45	0.02	
Leith	29.84	62	E	1	bc	29.73	- .16	56	56	+ 1	ENE	1	om	*	66	52	0.33	
† Shields	29.87	60	SW	1	o	29.79	- .13	64	62	+ 4	SSW	3	c	2	64	52	0.46	
Spurn Head	29.91	59	S	3	c	29.87	- .10	62	60	+ 5	SSW	3	c	2	65	52	0.02	
York	29.91	62	S	1	o	29.84	- .12	63	60	+ 8	S	3	c	*	67	54	0.03	
Loughborough	29.91	66	SSW	2	o	29.88	- .10	62	59	+ 3	SSW	3	ca	*	67	58	0.01	
† Ardrossan	29.84	61	Z	0	o	29.70	- .19	59	58	+ 2	ESE	1	rm	1	65	54	0.34	
Malin Head	29.77	56	ESE	3	o	29.60	- .27	60	60	+ 4	S	2	rm	2	60	52	0.44	
Mullaghmore	29.75	61	ESE	4	o	29.57	- .29	63	61	+ 7	S	5	op	4	63	55	0.42	
† Belmullet	29.74	60	SW	1	og	29.54	- .29	62	62	+ 6	S	1	o	*	62	56	0.60	
Donaghadee	29.85	54	S	2	r	29.71	- .20	59	59	+ 2	SW	4	o	2	60	53	0.22	
Barrow-in-Furness	29.86	62	SE	2	o	29.79	- .12	63	61	+ 6	S	3	bc	*	63	57	0.20	
Liverpool (Bidston)	29.88	63	ESE	1	r	29.80	- .12	67	60	+ 8	SSE	1	c	2	67	59	0.07	
† Holyhead	29.85	58	SSW	4	qpm	29.78	- .12	58	58	+ 1	S	3	m	3	62	56	0.11	
Parsonstown	29.77	66	Z	0	o	29.65	- .19	63	60	+ 6	SW	2	om	*	67	50	0.37	
† Valencia	29.75	63	S	7	om	29.55	- .28	59	59	- 2	SSE	6	r	6	64	58	0.24	
Roche's Point	29.84	58	WSW	3	r	29.67	- .18	58	57	0	SSE	4	o	4	63	56	0.04	
Pembroke	29.93	58	SSW	3	f	29.78	- .12	58	57	- 1	ESE	4	c	3	60	57	0.30	
† Scilly	29.95	70	SSW	4	c	29.76	- .23	62	59	- 1	SSE	4	o	4	71	59	-	
Prawle Point	30.01	59	SW	3	c	29.84	- .21	61	58	+ 3	E	3	b	3	61	55	-	
Hurst Castle	30.02	62	WSW	6	bcy	29.90	- .15	67	65	+ 6	ESE	2	bc	2	68	58	0.02	
† Dungeness	30.01	61	WSW	4	bc	29.95	- .06	62	60	+ 2	SW	2	bc	1	66	58	0.01	
† London	29.98	67	WSW	4	c	29.91	- .12	65	61	+ 2	SSE	1	c	*	68	55	0.15	
Oxford	29.96	64	SW	2	c	29.90	- .11	62	60	+ 3	SSE	1	o	*	76	56	0.23	
Cambridge	29.94	66	SW	1	c	29.90	- .11	68	64	+ 5	S	1	b	*	68	56	0.03	
† Yarmouth	29.97	59	S	3	c	29.95	- .06	62	60	+ 3	WSW	2	bc	3	63	57	0.03	
The Helder	30.03	60	SW	1	o	29.94	- .05	61	60	+ 2	SW	1	o	1	64	57	-	
Cape Gris Nez	30.01	62	SW	4	o	29.95	- .08	65	62	+ 3	SW	1	b	1	66	57	-	
† Jersey	30.04	69	Z	0	b	29.87	- .13	64	61	+ 4	ESE	3	bc	3	70	57	-	
Brest	30.04	68	SSW	2	b	29.85	- .27	60	57	0	ESE	1	b	4	66	54	-	
Lorient	30.08	65	S	3	b	29.84	- .30	64	61	+ 2	SE	5	b	2	74	54	-	
† Rochefort	30.10	69	NW	4	b	29.91	- .30	66	62	+ 4	ESE	5	c	2	82	59	-	
Biarritz	29.99	81	ENE	8	b	29.82	- .35	75	66	+ 8	SE	4	b	1	86	64	-	
Corunna	*	*	*	*	*	29.93	- .15	67	64	0	SW	5	o	6	86	60	-	
Brussels	*	*	*	*	*	30.00	- .05	66	60	+ 6	SW	3	b	*	68	58	0.04	
Charleville	30.06	67	W	3	c	30.06	- .04	55	50	+ 1	W	3	b	*	72	48	-	
Paris	30.10	68	NNE	1	b	30.02	- .11	64	58	+ 6	SE	3	b	*	76	54	-	
Lyons	30.08	72	NNW	3	b	30.05	- .08	67	60	+ 2	E	1	b	*	75	55	-	
Toulon	29.94	71	NW	5	b	29.96	- .02	68	65	0	SE	5	m	3	84	63	-	

## EXPLANATION OF COLUMNS.

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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).  
 ‡ These Stations send Reports at 2 p.m. daily (Sunday excepted).



# WEATHER CHARTS

For 8 a.m. on Sunday,

18<sup>th</sup> JULY.

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.

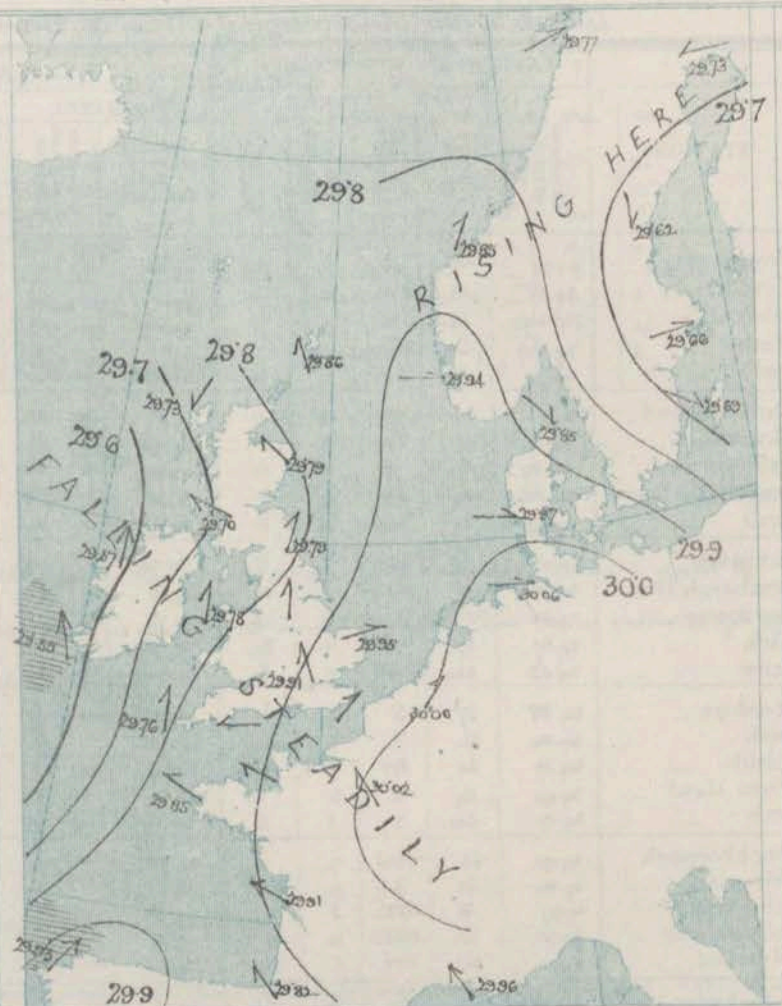
**Sea Disturbance**—where considerable is shown thus

▨—Rough. ▨—High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Samburgh Head	29.827
Stornoway	29.799
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Rocha's Point	29.940
Pembroke	29.942
Scilly	29.956
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



## 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.

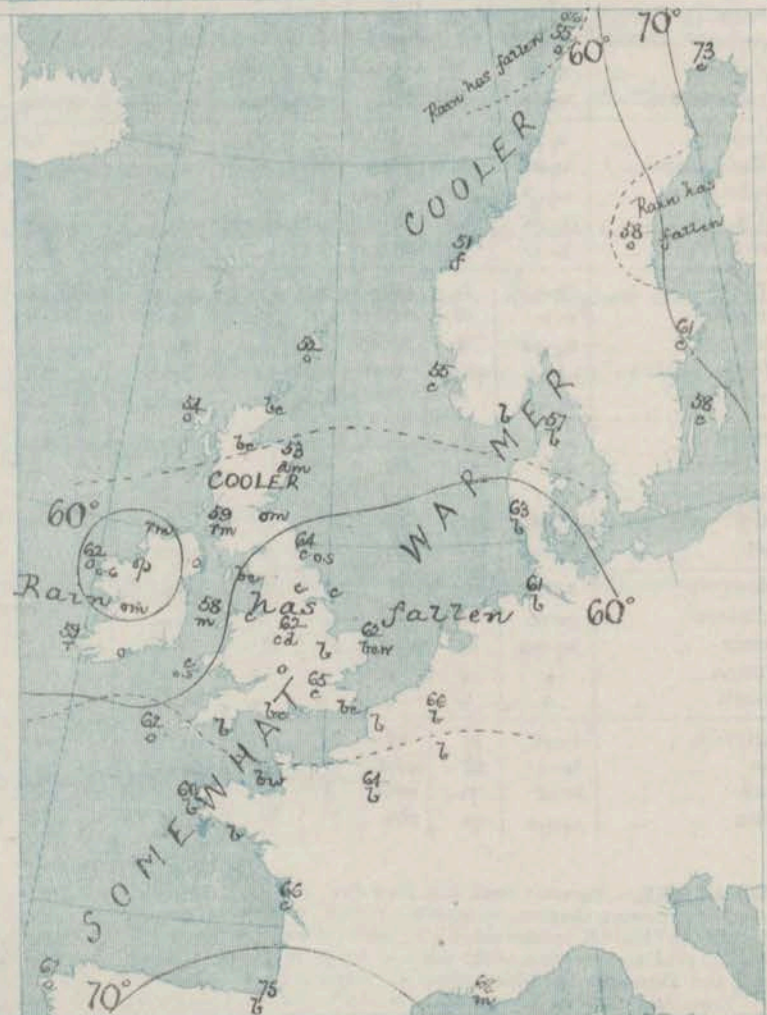
**Rainfall**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of July.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Day.	Night	
Samburgh Head	57.9	48.5	53.7	52.2	2.08
Stornoway	60.3	49.7	56.1	54.3	3.02
Wick	62.4	49.4	56.2	53.8	2.25
Nairn	65.0	51.6	57.4	58.7	2.57
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	53.0	59.1	56.9	2.84
Shields	64.6	53.6	58.8	55.5	2.63
York	68.1	52.3	59.7	56.5	2.57
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.9	2.07
Holyhead	64.5	55.0	58.3	56.1	2.32
Liverpool	66.4	54.6	59.8	56.1	2.99
Valencia	64.3	53.9	59.0	56.2	3.01
Rocha's Point	68.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.5	56.2	2.31
Scilly	65.0	56.9	60.3	58.2	2.29
Hurst Castle	67.9	58.4	61.7	59.2	2.15
Dover	67.4	57.5	63.0	59.2	1.82
LONDON	73.3	54.2	62.5	58.6	2.17
Oxford	69.9	53.7	60.4	57.1	2.51
Cambridge	72.5	52.8	61.3	58.0	2.30
Yarmouth	66.7	55.5	61.4	58.4	2.68

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





## for

Sunday 18<sup>th</sup> JULY 1886 at 8 a.m.

ATLANTIC TELEGRAM.

The Chief Signal Officer at Washington U.S. reports that on the 11<sup>th</sup> Inst: in Lat: 42° N. Long 53° W the barometer at 4 am fell to 30.1 ins: during a fresh gale in which the wind veered from SW to NW. Icebergs were seen on the 11<sup>th</sup> and 12<sup>th</sup> Insts: between Lat: 48° N. Long: 46° W. and Lat: 47° N. Long: 53° W.

for the 24 hours ending at NOON on 19<sup>th</sup> JULY 1886.  
(Issued at 11 a.m. on the previous day.)



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnæs	29.89	54	52	SSW	4	r	5	Holyhead	29.89	60	59	Z	0	r	0
Sumburgh Head	29.76	57	50	WSW	4	0	5	Valencia	29.81	63	62	S	6	om	5
Stornoway	29.85	56	52	WSW	3	cg	2	Scilly	29.99	70	66	SSW	5	bc	5
Aberdeen	29.88	62	55	S	3	b	1	Dungeness	30.05	59	59	WSW	3	r	3
Shields	29.91	57	53	E	2	bc	2	London	30.00	63	61	SSW	3	0	*
Ardrossan	29.88	62	55	NW	1	b	1	Yarmouth	30.01	61	56	SSE	4	b	3
Malin Head	29.82	58	53	ESE	2	c	2	Jersey	30.09	66	62	ESE	2	bc	2
Mullaghmore	29.81	59	56	ESE	5	0	2	Richfort	30.15	76	65	NW	4	b	2
Belmullet	29.77	61	59	ESE	3	0	*								

## REMARKS.

The barometer continues to rise in the north, but is falling a little in most other localities. The wind has increased somewhat from S. or E. in the west of Ireland, but elsewhere it is little changed. Fair weather still prevails on our east coasts but rain is falling at Holyhead. The sea is rough on our SW. coasts, moderate to smooth elsewhere.

## CONTINENTAL INFORMATION.

The Continental reports for yesterday morning showed that pressure varied from between 29.9 ins. and 30.1 ins. in a large anticyclone which covered France, Spain, the Mediterranean and Adriatic to 29.5 ins. at the mouth of the Gulf of Finland and to about 29.6 ins. off our western coasts, so that while SW breezes, and somewhat cloudy, showery weather prevailed over the British Isles and North Sea, NW airs were reported over Central Europe and Germany, and E airs in Finland and the north of Sweden. Temperatures remained low over the British Isles, North Sea, N Germany, and Western Russia, but was very high over Northern and Central Russia, the readings varying from between 68° and 75° both over Southern Europe and Finland to between 55° and 65° over North Germany and to between 52° and 54° on the shores of the North Sea. Over the British Isles the thermometer, though low, showed some tendency to rise. The highest individual readings reported at 8 a.m. were 82° at Cagliari, 79° at Palma and San Fernando, 78° at Barcelona and Reims and 70° at Haparanda, the lowest 53° at Racow and Skudrunsk and 54° at Stornoway.

During the day the thermometer did not rise to 75° at any of our own stations excepting Scilly, but reached 86° at Coruna, 84° at London and 82° at Biarritz.

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



# DAILY WEATHER REPORT

for Monday - 19<sup>th</sup> JULY 1886.

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

+ YESTERDAY EVENING.							3 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.			
Haparanda	29.74	67	E	2	b	29.76	+ .03	68	58	- 5	E	4	b	*	84	63	-		
Hernösand	29.67	55	N	4	r	29.74	+ .12	56	53	- 2	N	2	b	*	61	55	0.95		
Stockholm	29.74	59	NE	2	b	29.79	+ .13	60	56	- 1	N	2	b	*	73	55	-		
Wisby	29.68	62	NY	4	c	29.76	+ .07	60	55	+ 2	N	4	b	*	64	55	-		
Bodö	29.88	58	Z	0	o	29.89	+ .01	51	50	- 4	Z	0	b	0	55	45	0.28		
Christiansund	29.96	52	E	1	o	29.91	+ .06	57	50	+ 6	E	3	b	2	57	45	-		
Skudesnaes	29.90	54	Z	0	c	29.88	- .02	58	54	+ 3	ENE	4	c	3	61	54	-		
Oxö (Ålön)	29.88	56	WSN	6	o	29.91	+ .04	58	53	0	SH	2	o	1	59	52	-		
Skagen (The Skaw)	29.87	57	WNW	3	b	29.91	+ .06	60	53	+ 3	WSN	1	b	0	61	54	-		
Fanö	29.93	52	Z	0	b	29.89	- .08	64	61	+ 1	SE	4	b	*	64	52	-		
Cuxhaven	30.01	64	NNE	1	b	29.96	- .10	68	66	+ 7	SSE	2	b	*	68	60	-		
Sumburgh Head	29.87	53	SE	4	o	29.64	- .22	52	52	0	SE	5	f	5	56	49	0.11		
Stornoway	29.58	57	Z	0	om	29.42	- .31	60	58	+ 6	S	4	c	4	62	52	0.09		
Wick	29.65	53	S	4	o	29.52	- .27	54	54	0	SE	3	o	4	56	50	0.06		
Nairn	29.60	65	SSE	1	m	29.47	- .27	67	61	+ 14	S	1	b	1	67	52	0.05		
Aberdeen	29.70	59	S	2	b	29.57	- .22	58	56	+ 5	S	1	o	1	62	47	0.11		
Leith	29.65	69	SH	1	c	29.55	- .18	67	62	+ 11	SH	1	c	*	73	52	-		
Shields	29.69	60	SE	3	c	29.60	- .19	65	62	+ 1	SH	2	c	2	71	55	-		
Spurn Head	29.73	60	ESE	4	c	29.67	- .20	66	62	+ 4	SSH	2	b	3	70	57	-		
York	29.71	73	SE	1	c	29.65	- .19	66	62	+ 3	S	1	b	*	74	57	-		
Loughborough	29.71	76	SSE	2	c	29.70	- .18	68	62	+ 6	WSN	3	b	*	79	58	-		
Ardrossan	29.62	60	SSE	1	c	29.54	- .16	58	57	- 1	SH	3	c	2	64	57	0.10		
Malin Head	29.46	62	SSE	4	om	29.42	- .18	58	54	- 2	S	3	c	2	65	55	0.11		
Mullaghmore	29.44	61	SE	5	rg	29.41	- .16	58	54	- 5	SSE	6	b	5	65	56	0.16		
Belmullet	29.38	60	SH	4	o	29.34	- .20	58	56	- 4	S	7	b	*	64	56	0.63		
Donaghadee	29.60	57	S	3	o	29.55	- .16	60	57	+ 1	SH	5	b	3	64	54	0.02		
Barrow-in-Furness	29.63	70	SE	3	b	29.60	- .19	62	60	- 1	S	5	op	*	71	60	-		
Liverpool (Bidston)	29.64	72	SE	2	c	29.66	- .14	63	56	- 4	SH	3	b	2	75	58	-		
Holyhead	29.62	67	S	2	c	29.63	- .15	58	57	0	SSH	4	c	3	70	56	0.01		
Parsonstown	29.48	60	SE	3	o	29.51	- .14	61	55	- 2	WSN	2	b	*	65	52	0.12		
Valencia	29.45	56	WSN	3	o	29.53	- .02	50	54	- 3	SSH	7	op	6	62	54	0.81		
Roche's Point	29.50	58	SSE	5	r	29.60	- .07	58	54	0	SH	5	b	4	61	53	0.28		
Petabroke	29.64	60	S	3	c	29.69	- .09	58	57	0	SSH	3	c	3	62	57	0.06		
Scilly	29.61	63	WNW	5	o	29.71	- .05	62	60	0	SSH	4	op	5	66	57	0.01		
Prawle Point	29.71	61	SH	1	c	29.74	- .10	61	59	0	W	3	b	3	65	57	-		
Hurst Castle	29.71	72	SSE	3	b	29.78	- .12	61	60	- 6	WSN	3	op	2	79	59	-		
Dungeness	29.76	67	E	3	b	29.77	- .18	61	60	- 1	W	3	b	1	71	60	-		
London	29.74	75	S	3	b	29.77	- .14	65	61	0	S	2	o	*	79	58	-		
Oxford	29.69	71	SSE	2	b	29.74	- .16	66	62	+ 4	SH	2	b	*	76	59	-		
Cambridge	29.77	74	S	1	b	29.74	- .16	67	63	- 1	S	1	o	*	80	56	-		
Yarmouth	29.83	64	SSE	3	b	29.72	- .22	69	64	+ 7	W	3	b	2	69	60	-		
The Helder	29.86	66	ESE	1	b	29.76	- .22	70	65	+ 5	S	1	b	1	77	61	-		
Cape Gris Nez	29.76	80	S	1	b	29.75	- .20	63	61	- 2	WSN	3	b	2	84	64	-		
Jersey	29.70	65	WNW	4	b	29.80	- .07	63	62	- 1	SSH	3	cgm	3	76	58	-		
Brest	29.76	64	SSH	5	o	29.76	- .09	60	60	0	Z	0	o	0	76	54	-		
Lorient	29.83	68	WSN	4	b	29.80	- .07	65	63	+ 1	Z	0	o	2	77	57	-		
Rochefort	29.87	72	W	3	b	29.81	+ .01	64	63	- 2	WNW	4	c	2	91	59	0.08		
Biarritz	29.87	68	W	4	m	29.81	- .01	68	66	- 7	ENE	3	o	2	82	65	0.04		
Corunna	*	*	*	*	*	29.99	+ .06	65	61	- 2	WSN	4	b	*	?	?	0.04		
Brussels	*	*	*	*	*														
Charleville	29.90	?	SE	?	?	29.88	- .18	70	63	+ 15	NE	3	b	*	73	54	-		
Paris	29.77	83	SE	4	b	29.84	- .18	69	64	+ 5	SSH	1	b	*	85	62	-		
Lyons	29.91	84	ESE	1	b	29.96	- .05	72	62	+ 10	SSE	3	b	*	86	64	-		
Toulon	29.96	79	SSE	3	m	30.04	+ .08	68	65	0	E	3	m	2	87	61	-		

## EXPLANATION OF COLUMNS:

WEATHER.—Bourne's Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (haze); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.  
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 † The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).  
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# WEATHER CHARTS

for 8 a.m. on Monday, 19<sup>th</sup> JULY

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.

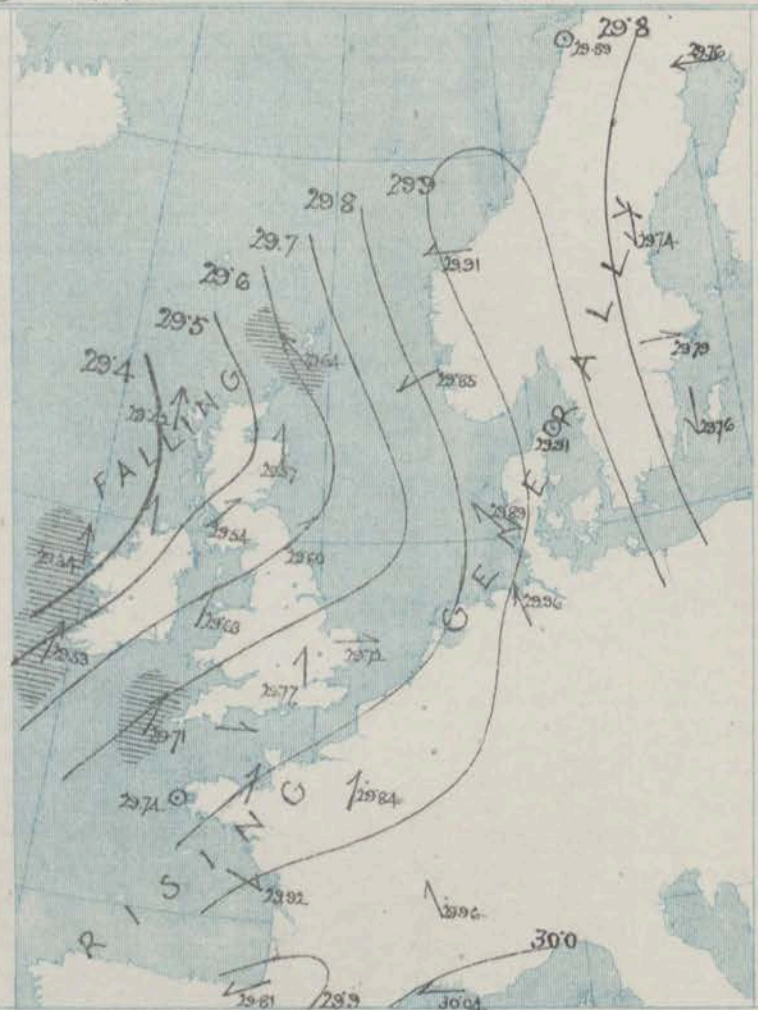
**Sea Disturbance** — where considerable, is shown thus

▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.827
Stornoway	29.799
Wick	29.813
Nairn	29.824
Aberdeen	29.829
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Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



## 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.

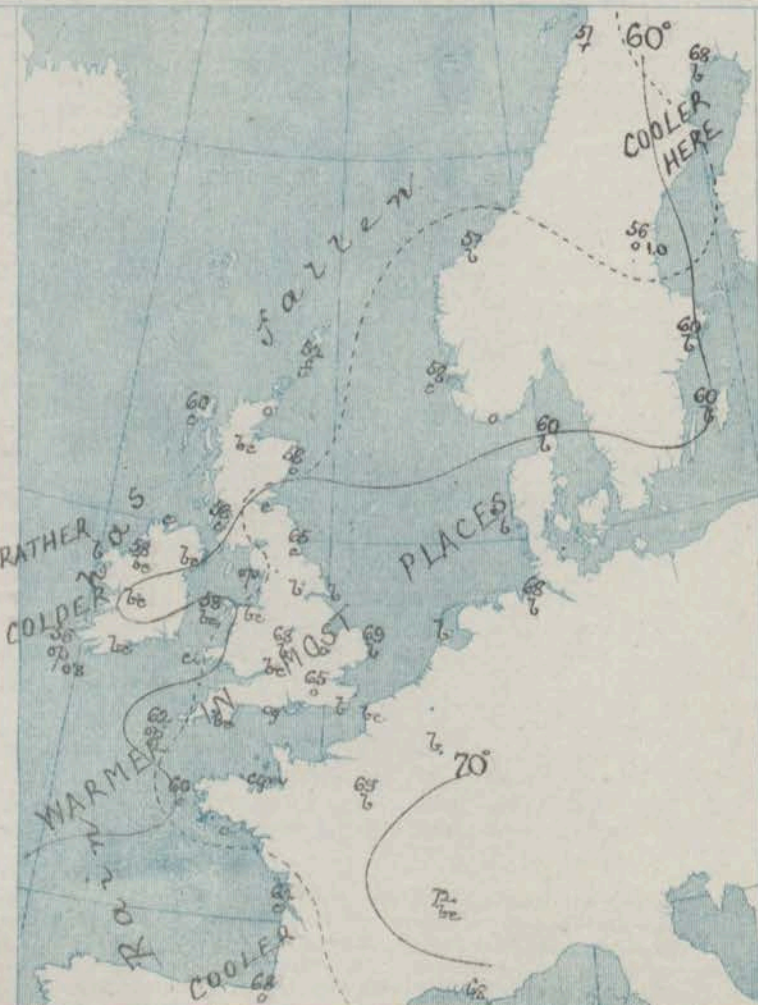
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of July

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.7	52.2	2.09
Stornoway	60.3	49.7	56.4	54.3	3.02
Wick	62.4	49.4	56.2	53.9	2.25
Nairn	65.0	51.6	57.4	53.7	2.57
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	53.6	58.8	55.5	2.63
York	68.1	52.3	59.7	56.5	2.57
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.9	2.67
Holyhead	64.5	55.0	58.3	55.1	2.32
Liverpool	66.4	54.6	59.8	56.1	2.99
Valencia	64.5	53.9	59.0	56.2	3.91
Roche's Point	68.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.5	56.2	2.31
Scilly	65.0	56.9	60.3	58.2	2.29
Hurst Castle	67.9	56.4	61.7	59.2	2.15
Dover	67.4	57.5	63.0	59.2	1.82
LONDON	73.3	54.2	62.5	58.6	2.17
Oxford	69.9	53.7	60.4	57.1	2.51
Cambridge	72.5	52.8	61.3	58.0	2.30
Yarmouth	68.7	55.5	61.4	58.4	2.68

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





# REMARKS.

for

Monday 19<sup>th</sup> July 1886 at 8 a.m.

The depression which lay to the westward of our islands yesterday is moving northwards, and the barometer is now rising at all but our northern and north eastern stations. The highest pressures are apparently lying over Southern and Central Europe, but a long band of relatively high readings extends northwards over Denmark and Norway. The wind is S<sup>ly</sup> or SW<sup>ly</sup> over the greater part of our islands, but SE<sup>ly</sup> in the north of Scotland as well as on the eastern shores of the North Sea, N<sup>ly</sup> in Sweden and variable in France; in force it is fresh or strong at the Irish stations, but light or moderate elsewhere. The weather is generally fair, but showers are falling at Barrow-in-Furness, Valencia and Lillie. Rain fell yesterday at most of our western and northern stations, the largest amounts being 0.8 in at Valencia and 0.6 in at Belmullet. Temperature has fallen a little in the west but risen elsewhere; readings over our islands now range from 69° at Yarmouth to 52° in the Shetlands. During yesterday the thermometer rose to 75° at Liverpool, 76° at Clifton, 79° at Loughborough, Hurst Castle and in London and 80° at Cambridge. The sea is rough at Valencia and rather rough at Lough Head, Mullaghmore and Lillie, but moderate to smooth elsewhere.

The depression in the west will probably continue to travel northwards, but subsidiary disturbances may perhaps be developed over England.

## FORECASTS

For the 24 hours ending at NOON on 20<sup>th</sup> July 1886.  
(Issued at 11 a.m. on the previous day.)

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

0 { SCOTLAND  
NORTH

SE<sup>ly</sup> to S<sup>ly</sup> winds, fresh; cloudy, some rain.

1 { SCOTLAND  
EAST

S<sup>ly</sup> winds, moderate, fair generally.

2 { ENGLAND  
N.E.

----- D° ----- D°

3 { ENGLAND  
EAST

Same as N° 5.

4 { MIDLAND  
COUNTIES

Same as N° 5.

5 { ENGLAND  
SOUTH

SW<sup>ly</sup> winds, moderate, fair generally, but local showers.

6 { SCOTLAND  
WEST

S<sup>ly</sup> winds, fresh or moderate, fair generally, but some showers.

7 { ENGLAND  
N.W.

----- D° ----- D°

8 { ENGLAND  
S.W.

Same as N° 5.

9 { IRELAND  
NORTH

S<sup>ly</sup> and SW<sup>ly</sup> winds, fresh or strong, changeable, some showers.

10 { IRELAND  
SOUTH

----- D° ----- D°

### WARNINGS

None issued.



# YESTERDAY'S 2 P.M. REPORTS

YESTERDAY'S 2 P.M. REPORTS

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes	29.93	61	54	W	2	c	3	Rochefort	29.95	80	70	S	5	6	2

## CONTINENTAL INFORMATION.

Yesterday morning's Continental Reports show that pressure had become highest (29.9 ins to nearly 30.1 ins) over Central and South-eastern Europe, while it was lowest (29.5 ins) over the Gulf of Finland and off our western coasts. The wind was consequently S.W. over Western Europe, with fair weather and increasing temperature; while it was variable between NW and SW elsewhere. Temperature exceeded 70° all over Southern Europe, was rather high over Russia and exceeded 68° over Finland, while it was lowest (about 54°) to the northward of Scotland. The highest readings recorded were 84° at Alicante, 83° at Biskra (Algeria), 77° at Brindisi and 72° at Haparanda and Uleaborg, while the lowest were 51° at Christiansund, 54° at Storoway and 55° at Skudesnaes.

During the day the thermometer rose to between 84° and 86° over France and to 84° at Haparanda, but only 80° over the northern part of England. The heat during the daytime was still great over Algeria and most parts of Southern Europe.

## SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS

AND THEIR NEIGHBOURHOOD.

FROM THE 11<sup>TH</sup> TO THE 17<sup>TH</sup> JULY 1886.

The weather of the past week has been very unsettled, with rain in all parts of the Kingdom and a somewhat low temperature.

The distribution of pressure has been mainly cyclonic and the type westerly, the highest readings being found over France, the Bay of Biscay or Spain. Numerous shallow depressions have passed over our islands, but only one important disturbance has appeared in our neighbourhood. The centre of this passed in an easterly direction across Scotland on Tuesday night and subsequently travelled away to the northwards of our islands where it slowly dispersed. As it came on fresh SW. gales were felt on many parts of our western and southern coasts, while in its rear the wind on Wednesday night increased to a gale from NW in the north of Scotland. The passage of the disturbance was attended by heavy rains at many of our western and northern stations.

The only other heavy falls of rain noticed during the week occurred in the south of England on Monday and in Ireland on Friday during the progress of shallow depressions from the westward.

Temperature has seldom exceeded 70°, even at the inland stations and on some occasions the maxima reported have been below 65°.

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



# DAILY WEATHER REPORT

for *Tuesday* — 20<sup>th</sup> JULY 1886.

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

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 3 p.m. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Reading at 3 p.m. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.	Force (0 to 12).	Weather.	SW (0 to 9).	Max.	Min.	Amount of Rainfall.		
			Dir.	Force (0 to 12).				Dry.	Wet.	Difference from 8 a.m. yesterday.									
Haparanda	29.80	64	W	2	b	29.89	+ .13	71	64	+ 3	NE	2	b	•	79	59	—		
Hernösand	29.89	61	N	2	o	29.98	+ .24	61	57	+ 5	E	2	b	•	66	52	—		
Stockholm	29.88	63	Z	0	o	29.98	+ .19	67	63	+ 7	N	2	b	•	72	52	—		
Wisby	29.80	61	W	4	b	29.83	+ .07	63	59	+ 3	WNW	2	b	•	68	57	—		
Bodö	29.96	53	WSW	2	c	29.97	+ .08	56	54	+ 5	ENE	2	b	•	7	48	0.47		
Christiansund	29.85	58	NE	3	b	29.78	— .13	66	57	+ 9	ESE	2	c	•	66	54	—		
Skudesnæs	29.81	63	SE	2	c	29.76	— .09	59	58	+ 1	SSE	2	c	•	64	57	—		
Oxö (Xtiansand)	29.90	56	ENE	2	f	29.92	+ .01	62	60	+ 4	SSE	2	c	•	64	55	—		
Skagen (The Skaw)	29.93	62	SW	1	b	29.89	— .02	64	61	+ 4	S	1	c	•	70	59	—		
Fanö	29.84	66	SE	3	b	29.78	— .11	69	66	+ 5	SSE	4	b	•	79	63	—		
Cuxhaven	29.89	71	SE	1	b	29.88	— .08	76	75	+ 8	S	2	c	•	84	67	—		
† Sumburgh Head	29.57	53	SE	5	f	29.68	+ .04	55	53	+ 3	WSW	1	c	•	56	48	—		
† Stornoway	29.49	59	SSE	6	c	29.69	+ .29	56	53	— 4	S	4	b	•	64	52	—		
Wick	29.55	63	S	2	b	29.72	+ .20	60	56	+ 6	Z	0	b	•	69	51	—		
Nairn	29.54	67	SW	1	b	29.71	+ .24	59	54	— 8	WSW	2	b	•	75	51	—		
† Aberdeen	29.60	64	S	4	c	29.76	+ .19	61	55	+ 3	SW	1	b	•	70	52	—		
Leith	29.62	67	SW	4	b	29.80	+ .25	60	54	— 7	W	2	b	•	71	55	—		
† Shields	29.69	70	SSW	3	c	29.85	+ .25	61	55	— 4	S	2	b	•	71	54	0.07		
Spurn Head	29.74	64	SSE	4	c	29.93	+ .26	61	56	— 5	WSW	4	b	•	75	56	0.46		
York	29.72	70	S	1	c	29.92	+ .27	61	57	— 5	W	1	b	•	75	54	0.42		
Loughborough	29.74	69	WSW	1	o	29.97	+ .27	62	59	— 6	WSW	3	b	•	74	56	0.31		
† Ardrossan	29.62	60	S	4	c	29.80	+ .26	58	56	— 2	SSW	3	b	•	62	54	—		
Malin Head	29.55	55	SW	4	c	29.72	+ .30	55	54	— 3	SSW	4	c	•	64	50	0.01		
† Mullaghmore	29.58	58	WSW	6	c	29.71	+ .30	58	54	0	S	5	o	•	64	56	0.06		
Belmullet	29.57	55	SW	5	o	29.66	+ .32	58	56	0	SSE	6	o	•	60	54	0.04		
Donaghadee	29.65	61	SSW	4	b	29.82	+ .27	60	58	0	SSW	3	b	•	65	47	—		
Barrow-in-Furness	29.70	62	SW	3	o	29.86	+ .26	58	55	— 4	SW	3	b	•	65	54	0.02		
Liverpool (Bidston)	29.71	66	SW	2	o	29.91	+ .25	63	56	0	SW	1	b	•	70	55	0.01		
† Holyhead	29.71	59	SSW	4	c	29.88	+ .25	60	58	+ 2	SSW	3	b	•	64	53	—		
Parsonstown	29.67	58	Z	0	c	29.76	+ .25	63	58	+ 2	SE	2	b	•	66	50	0.05		
† Valencia	29.68	60	SSW	5	c	29.64	+ .11	59	58	+ 3	ESE	6	r	•	63	54	0.06		
Roche's Point	29.72	58	SW	4	b	29.77	+ .17	58	58	0	SSE	5	r	•	63	52	0.08		
Pembroke	29.74	58	SW	3	c	29.92	+ .23	59	57	+ 1	SE	4	b	•	62	56	—		
† Seilly	29.75	62	SW	3	cp	29.88	+ .17	63	61	+ 1	SSE	5	c	•	69	55	0.18		
Prawle Point	29.83	57	S	3	o	30.00	+ .26	59	58	— 2	SSW	3	b	•	64	55	0.15		
Hurst Castle	29.79	66	WSW	2	cr	30.04	+ .26	61	61	0	SW	4	c	•	72	56	0.27		
† Dungeness	29.82	61	Z	0	rt	30.05	+ .28	59	58	— 2	WSW	4	o	•	68	56	0.52		
† London	29.78	68	SSW	2	c	30.05	+ .28	63	59	— 2	S	3	c	•	70	53	0.23		
Oxford	29.81	60	WSW	3	r	30.01	+ .27	61	58	— 5	SW	2	c	•	71	54	0.19		
Cambridge	29.77	68	S	1	o	30.02	+ .28	61	59	— 6	SSW	1	o	•	75	53	0.66		
† Yarmouth	29.79	65	SSE	3	b	30.00	+ .28	62	58	— 7	WSW	3	b	•	77	56	0.46		
The Helder	29.83	67	SSE	1	t	29.97	+ .21	61	58	— 9	W	5	b	•	72	61	0.16		
Cape Gris Nez	29.80	66	Z	0	c	?	?	59	57	— 4	SW	5	c	•	72	55	0.43		
† Jersey	29.84	57	N	2	c	30.05	+ .25	60	59	— 3	SW	3	b	•	65	54	0.77		
Brest	29.83	60	SW	5	o	29.98	+ .22	60	59	0	SSE	4	b	•	64	57	0.24		
Lorient	29.92	60	WSW	4	f	30.07	+ .27	64	61	— 1	S	4	o	•	73	54	0.08		
† Rochefort	29.95	65	NW	7	o	30.13	+ .21	64	62	0	SE	4	o	•	81	55	0.04		
Biarritz	30.01	71	H	5	o	30.01	+ .20	63	60	— 5	ENE	3	o	•	75	59	0.04		
Corunna	*	*	*	*	*	30.01	+ .02	65	62	0	S	3	o	•	72	55	—		
Brussels	*	*	*	*	*	30.11	+ .31	64	59	— 10	WSW	4	b	•	86	61	0.04		
Chapleville	29.88	88	SW	4	b	30.10	+ .22	65	62	— 5	WSW	5	b	•	90	64	0.16		
Paris	29.77	82	E	1	b	30.15	+ .31	60	57	— 9	WSW	1	b	•	87	55	0.04		
Lyons	29.88	85	S	7	b	30.13	+ .17	70	62	— 2	S	1	b	•	91	61	—		
Toulon	30.06	72	E	31	c	30.08	+ .04	81	65	+ 13	N	1	b	•	84	64	—		

## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (haz.); 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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).  
 ‡ These Stations send Reports at 2 p.m. daily (Sundays excepted).  
 + Received too late for insertion of chart.



# WEATHER CHARTS

for 8 a.m. on Tuesday, 20<sup>th</sup> July

1886.

## BAROMETER, WIND & SEA.

(Explanation of Map)

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

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

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

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

⊙ = dead calm.

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

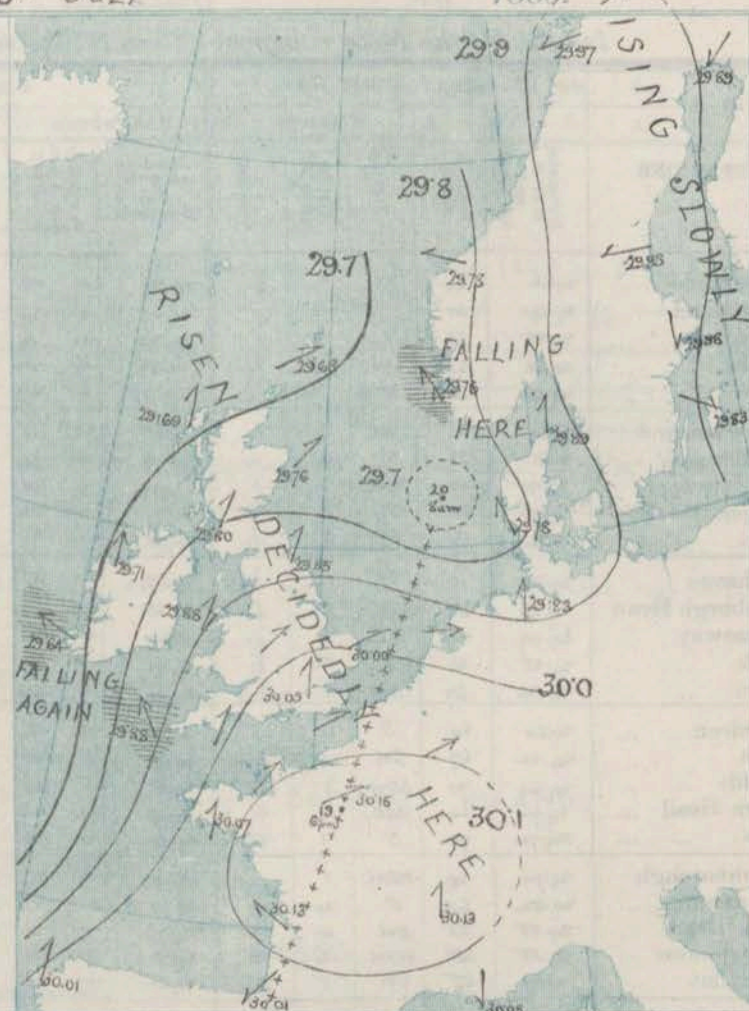
— Rough. — High.

## MEAN HEIGHT of the BAROMETER

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

During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.827
Stornoway	29.799
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.846
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



## 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 July

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	Average Dry.	Average Wet.	
Sumburgh Head	57.9	48.5	53.7	52.2	2.09
Stornoway	60.3	49.7	56.4	54.3	3.02
Wick	62.4	49.4	56.2	53.0	2.25
Nairn	65.0	51.6	57.4	53.7	2.57
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	53.6	58.8	55.5	2.63
York	68.1	52.3	59.7	56.5	2.57
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.9	2.67
Holyhead	64.5	55.0	58.3	56.1	2.32
Liverpool	68.4	54.6	59.8	56.1	2.99
Valencia	64.5	53.9	59.0	56.2	3.91
Roche's Point	68.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.5	56.2	2.31
Scilly	65.0	56.9	60.3	58.2	2.29
Hurst Castle	67.9	56.4	61.7	59.2	2.15
Dover	67.4	57.5	63.0	59.2	1.82
LONDON	73.3	54.2	62.5	58.6	2.17
Oxford	69.9	53.7	60.4	57.1	2.51
Cambridge	72.5	52.8	61.3	58.0	2.30
Yarmouth	66.7	55.5	61.4	58.4	2.68

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





# REMARKS.

for

Tuesday 20<sup>th</sup> July 1886 at 8 a.m.

The depression which lay to the westward of our islands yesterday morning has passed away to the northward of Scotland, but in the meantime a small shallow disturbance has moved very rapidly north-north-eastwards from the north-east of Spain across France and the Netherlands to the North Sea. In the rear of these two systems the barometer is now rising in most places but a new fall of the mercury has commenced in the south of Ireland. The wind is N.W. in Sweden and S.W. over the eastern parts of Great Britain, but elsewhere it varies between south-east and east and in the west of Ireland it blows strongly. Rain and thunder are reported in the south of Norway, and rain in the south of Ireland, but elsewhere the weather is at present fair. In the course of the past twenty-four hours rain has fallen on all but our northern coasts, in the south and east of England, where thunder storms occurred during the evening or night, the rain was very heavy, the largest amounts reported this morning being 0.8 in at Jersey, 0.7 in at Cambridge and 0.5 in at Spurn Head, Dungeness and Harwich. Temperature has fallen a little at most of our northern and eastern stations, and readings over our islands now range from 63° at Liverpool, Lillie and in London to 55° at Dunburgh Head and Malin Head. The sea is rough at Valencia and rather rough at Lillie, but moderate to smooth elsewhere.

The depression which is approaching Ireland will probably occasion a considerable increase of wind from SE and S on our western coasts, and subsidiary disturbances are not unlikely to appear over England.

## FORECASTS

For the 24 hours ending at NOON on 21<sup>st</sup> July 1886.  
(Issued at 11 a.m. on the previous day.)

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SW <sup>ly</sup> to S <sup>ty</sup> winds, freshening; fair to unsettled, and some rain.	6 { SCOTLAND WEST	S <sup>ly</sup> winds, freshening; fine to unsettled, and some rain.
1 { SCOTLAND EAST	----- D ----- D° -----	7 { ENGLAND N.W.	----- D° ----- D° -----
2 { ENGLAND N.E.	Same as N° 5.	8 { ENGLAND S.W.	SE <sup>ly</sup> to S <sup>ly</sup> winds, strong; unsettled, squally and rainy.
3 { ENGLAND EAST	Same as N° 5.	9 { IRELAND NORTH	----- D° ----- D° -----
4 { MIDLAND COUNTIES	Same as N° 5.	10 { IRELAND SOUTH	----- D° ----- D° -----
5 { ENGLAND SOUTH	SW <sup>ly</sup> winds, freshening; unsettled some showers.	WARNINGS	
		None issued.	



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes	29.84	64	58	SSE	4	c	3	Holyhead	29.71	63	59	SSW	4	b	3
Sumburgh Head	29.85	54	54	SE	5	f	5	Valencia	29.63	62	59	SW	5	cpq	5
Stornoway	29.45	64	56	? S	6	b	5	Scilly	29.74	64	62	SSW	2	op	4
Aberdeen	29.57	66	60	S	4	b	1	Dungeness	29.82	63	62	W	2	c	1
Shields	29.67	70	59	SSW	3	c	2	London	29.79	67	63	S	2	o	*
Ardrossan	29.60	61	57	SSE	4	c	3	Yarmouth	29.77	73	67	SW	2	cp	2
Malin Head	29.46	60	57	SW	3	o	4	Jersey	29.79	62	63	SE	2	o	2
Mullaghmore	29.48	58	56	WSW	6	cp	5	Rocheport	29.86	80	71	NW	3	bc	2
Belmullet	29.47	57	54	SSW	7	op	*								

## REMARKS.

The depression in the west continues to move northwards, and the barometer is now rising in almost all parts of the Kingdom. The wind has veered a little in the extreme west, but is not much changed elsewhere. Showers are falling in the west of Ireland as well as at Scilly and Yarmouth. The sea is rather rough in the extreme west and north, but moderate to smooth elsewhere.

## CONTINENTAL INFORMATION

Yesterday morning reports showed that a large high pressure area lay over the Mediterranean and Central Europe, where an arm or "ridge" extended northwards to the Sound and southern parts of Norway. To the eastward of this ridge lay a large shallow depression and to the westward pressure decreased to below 29.4 in: in the northwest of Ireland, while a small local disturbance lay over the southwest of France. The wind was consequently SW' and S' over Western Europe, with somewhat stormy weather, while over the Baltic and Western Russia it was NW' and over Central Europe variable. Temperature has increased over France and remained high over Finland - the 8 am readings varying from between 70° and 75° over the northern parts of the Mediterranean and Adriatic, the east of France, the Netherlands and Finland to very little above 50° in the west of Norway and the Shetlands. The highest individual readings were 87° at Biskra (Algeria) 79° at Cagliari, 75° at Clermont and 71° at Uleaborg; the lowest 51° at Rodø and 52° at Sumburgh Head and 54° at Kirk.

During the day the thermometer did not rise above 70° to 75° at the inland English stations, but at Lyons it reached 91°, at Charleville 90° and at Paris 87°.



# DAILY WEATHER REPORT

for Wednesday 21<sup>st</sup> JULY 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 preceding.																		
STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.			BAROMETER.		SHADE TEMP.			WIND.			Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force (0 to 12).	Weather.	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.		
Haparanda	29.96	68	W	2	b	30.00	+ .11	73	64	+ 2	Z	0	b	*	79	57	—	
Hernösand	30.00	60	SSH	2	b	30.00	+ .02	58	57	— 3	Z	0	b	*	73	54	—	
Stockholm	30.00	67	S	2	b	29.99	+ .01	67	63	0	N	2	b	*	79	57	—	
Wisby	29.95	60	SSH	4	b	29.95	+ .12	64	61	+ 1	WNW	2	b	*	77	55	—	
Bodö	29.85	66	FNE	2	b	29.97	.00	57	55	+ 1	WSW	6	b	3	66	48	—	
Christiansund	29.78	59	WSW	8	o	30.14	+ .36	55	53	— 11	WSW	6	o	3	68	52	0.16	
Skudesnaes	30.06	55	SSE	2	b	30.16	+ .40	55	53	— 4	E	4	c	3	59	55	—	
Oxö (Xtiansand)	30.02	61	W	4	b	30.12	+ .20	58	55	— 4	WSW	4	c	3	66	54	0.28	
Skagen (The Skaw)	30.00	59	WNW	3	o	30.09	+ .20	59	57	— 5	WNW	3	c	1	72	55	—	
Fanö	30.19	57	SW	2	b	30.19	+ .44	63	60	— 6	SE	2	b	*	72	50	—	
Cuxhaven	30.21	63	NNW	2	b	30.24	+ .36	67	60	— 9	ESE	2	b	*	76	64	—	
Sumburgh Head	29.90	57	WNW	2	b	29.99	+ .31	55	53	0	SE	3	o	3	59	49	—	
Stornoway	29.87	59	S	3	b	29.80	+ .11	63	58	+ 7	SE	3	b	3	64	54	0.04	
Wick	29.88	60	S	3	b	29.91	+ .12	57	55	— 3	S	3	b	1	68	53	—	
Nairn	29.85	70	SSH	1	b	29.86	+ .15	68	62	+ 9	E	1	b	1	71	55	—	
Aberdeen	29.92	62	SSH	2	b	29.96	+ .20	63	58	+ 2	SSE	2	b	1	72	53	—	
Leith	29.93	69	SW	1	c	29.92	+ .12	64	59	+ 4	NE	1	b	*	72	56	0.01	
Shields	29.97	65	SSE	3	c	29.96	+ .11	60	50	— 1	E	2	c	2	71	56	—	
Spurn Head	30.01	61	SE	4	b	29.95	+ .02	60	58	— 1	ESE	4	b	3	72	58	—	
York	29.99	70	S	1	b	29.93	+ .01	67	62	+ 6	SE	2	b	*	73	55	—	
Loughborough	30.01	70	SSE	2	o	29.90	— .07	65	61	+ 3	ESE	2	o	*	75	54	—	
Ardrossan	29.89	61	ESE	4	r	29.80	.00	69	62	+ 11	E	4	b	3	69	57	0.02	
Malin Head	29.70	61	SSH	5	c	? 29.68	— .04	59	57	+ 4	ESE	6	cm	5	67	? 55	0.01	
Mullaghmore	29.64	62	SE	8	op	29.52	— .19	62	58	+ 4	ESE	7	agm	6	66	57	0.04	
Belmullet	29.55	63	SE	6	or	29.38	— .28	59	57	+ 1	SSE	8	o	*	66	58	0.21	
Donaghadee	29.85	57	S	5	o	29.74	— .08	58	57	— 2	SE	3	c	1	65	54	—	
Barrow-in-Furness	29.93	66	ESE	2	b	29.84	— .02	63	59	+ 5	SE	6	b	*	68	57	—	
Liverpool (Bidston)	29.94	69	SSE	2	b	29.80	— .11	67	63	+ 4	ESE	5	b	3	75	57	—	
Holyhead	29.90	63	S	4	c	29.73	— .15	65	61	+ 8	ESE	3	c	2	69	58	—	
Parsonstown	29.71	60	SE	2	r	29.47	— .29	57	55	— 6	SSE	4	r	*	65	56	0.19	
Valencia	29.58	62	SE	6	om	29.32	— .32	60	58	+ 1	SSE	7	om	7	63	53	1.33	
Roche's Point	29.71	58	S	5	o	29.41	— .36	59	59	+ 1	SSE	8	r	6	61	56	0.08	
Pembroke	29.89	60	ESE	5	b	29.66	— .25	59	59	0	ESE	6	rg	5	64	59	0.07	
Scilly	29.83	63	SSE	7	c	29.59	— .29	60	60	— 3	SSE	9	r	7	67	58	0.43	
Prawle Point	29.99	60	E	2	b	29.78	— .21	59	59	0	SE	3	o	3	64	56	—	
Hurst Castle	30.05	65	S	2	b	29.86	— .18	67	65	+ 6	SSW	4	b	1	68	? 60	—	
Dungeness	30.08	62	ESE	1	b	29.93	— .12	67	63	+ 8	SSE	2	b	2	67	59	—	
London	30.08	66	SSE	2	c	29.90	— .15	71	65	+ 8	ESE	2	b	*	75	57	—	
Oxford	30.05	63	S	3	b	29.87	— .14	69	64	+ 8	SE	2	b	*	72	54	—	
Cambridge	30.06	67	S	1	c	29.91	— .11	71	66	+ 10	SE	1	b	*	76	54	—	
Yarmouth	30.09	63	SSE	4	b	29.98	— .02	62	60	0	ESE	4	b	4	69	59	—	
The Helder	30.16	64	E	2	b	30.08	+ .11	66	62	+ 5	E	1	c	1	72	61	—	
Cape Gris Nez	30.03	63	N	1	b	29.95	?	61	56	+ 2	SE	1	b	0	70	59	—	
Jersey	29.99	68	ESE	2	b	29.83	— .12	66	65	+ 6	SE	3	bm	3	69	64	—	
Brest	29.93	64	SSE	4	b	29.77	— .21	62	62	+ 2	SSE	5	o	5	68	57	—	
Lorient	29.99	70	SSE	4	c	29.84	— .23	66	65	+ 2	SE	4	c	3	77	57	—	
Rochefort	30.03	79	SE	4	c	30.00	— .13	68	66	+ 4	SE	5	c	2	82	64	—	
Biarritz	29.99	78	S	4	b	29.94	— .07	70	63	+ 7	SSE	7	c	2	77	61	—	
Corunna	*	*	*	*	*	29.89	— .12	67	62	+ 2	NNW	8	r	4	81	64	—	
Brussels	*	*	*	*	*	30.01	— .10	73	67	+ 9	SE	1	o	*	77	64	—	
Charleville	? 30.12	74	S	4	o	30.06	— .04	70	66	+ 5	SE	4	b	*	80	63	—	
Paris	30.12	70	Z	0	b	30.02	— .13	71	66	+ 11	SSE	3	b	*	75	63	—	
Lyons	30.01	87	S	1	b	30.09	— .04	80	62	+ 10	SE	3	b	*	? 93	66	—	
Toulon	30.13	77	SE	1	m	30.17	+ .09	79	63	— 2	E	1	m	1	93	72	—	

## EXPLANATION OF COLUMNS:

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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).

‡ These Stations send Reports at 2 p.m. daily (Sundays excepted).

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# WEATHER CHARTS

for 8 a.m. on Wednesday, 21<sup>st</sup> JULY 1886.

## BAROMETER, WIND & SEA.

(Explanation of Map.)

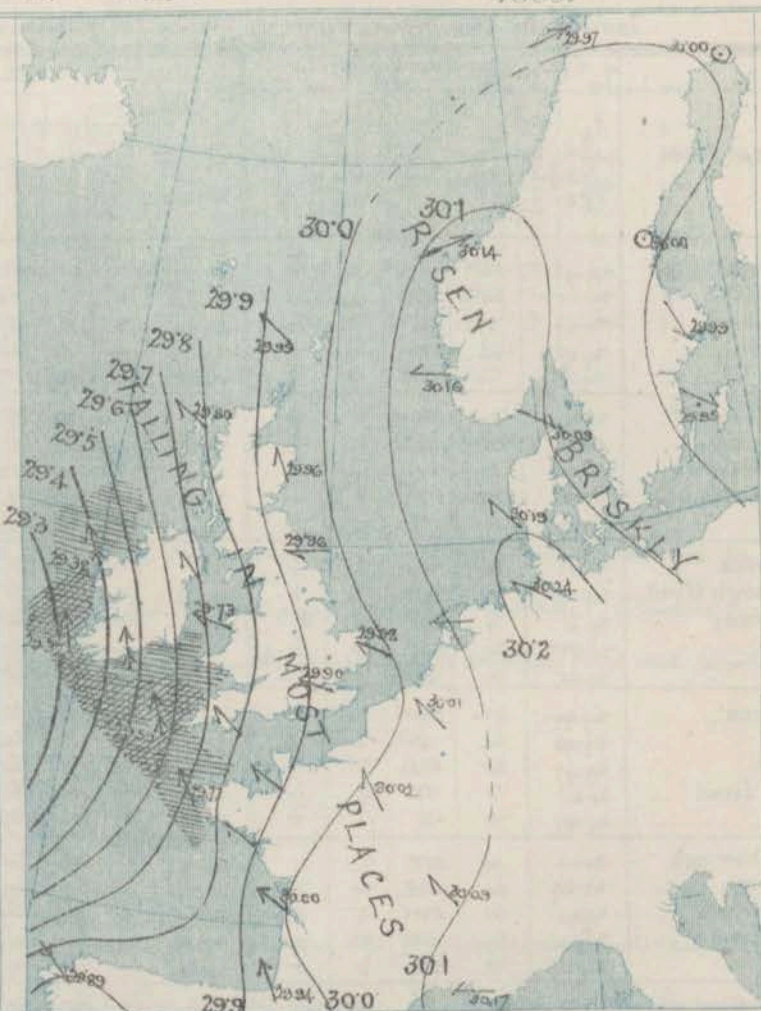
**Barometer**—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind**—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus—  
 — force above 10, — forces 8 to 10,  
 — forces 5 to 7, — forces 1 to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

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

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.827
Stornoway	29.798
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.884
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



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

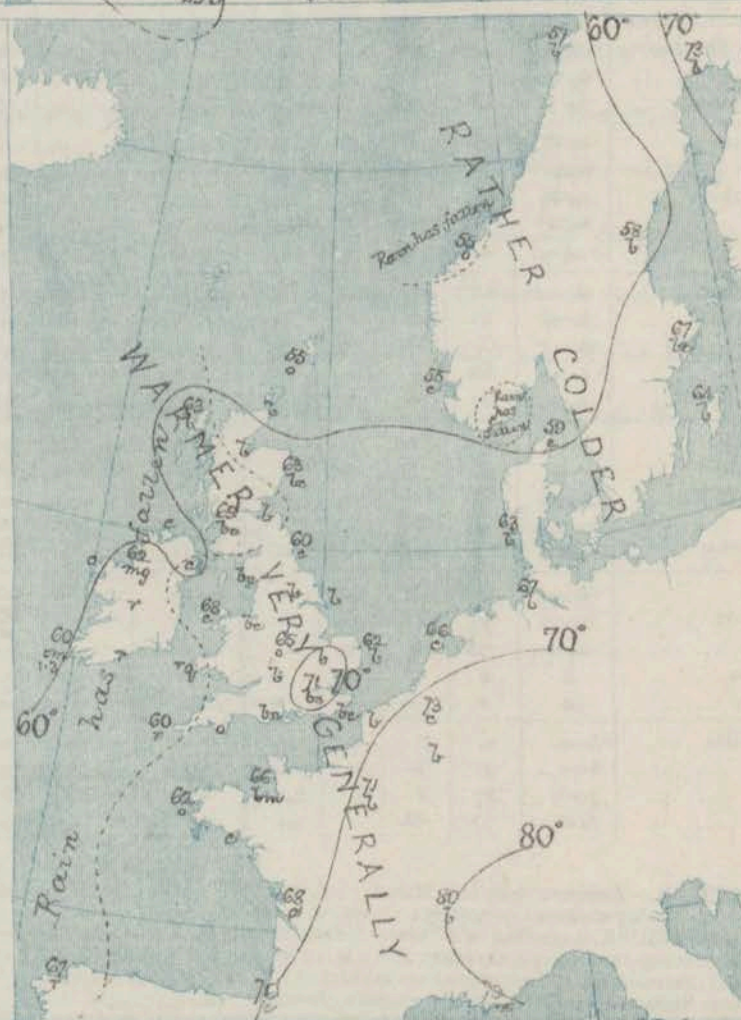
**Temperature**—Isotherms are drawn for each 10° changes since previous morning are stated in words.  
**Weather** is shown by Letters of the Beaufort Scale.  
**Rainfall**. A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more,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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of July.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Day.	Night.	
Sumburgh Head	57.9	48.5	53.7	52.2	2.00
Stornoway	60.3	49.7	55.4	54.3	3.02
Wick	62.4	49.4	56.2	53.9	2.25
Nairn	63.0	51.6	57.4	53.7	2.57
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	53.6	58.8	55.5	2.63
York	68.1	52.3	59.7	56.5	2.57
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.9	2.67
Holyhead	61.5	55.0	58.3	56.1	2.32
Liverpool	66.4	54.0	59.8	56.1	2.99
Valencia	64.5	53.9	59.0	56.2	3.91
Roche's Point	68.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.5	56.2	2.31
Scilly	65.0	56.9	60.3	58.2	2.29
Hurst Castle	67.9	56.4	61.7	59.2	2.15
Dover	67.4	57.5	63.0	59.2	1.82
LONDON	73.3	54.2	62.5	58.6	2.17
Oxford	69.9	53.7	60.4	57.1	2.51
Cambridge	72.5	52.8	61.3	58.0	2.30
Yarmouth	66.7	55.5	61.4	58.4	2.68

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





# REMARKS.

for

Wednesday 21<sup>st</sup> July 1886 at 8 a.m.

The depression which was approaching the south-west of Ireland yesterday morning has been joined during the night by a new and deeper disturbance, and the barometer is now falling in nearly all parts of our islands and France — quickly in the west. On the eastern shores of the North Sea, however, the mercury is still rising. SE<sup>ly</sup> winds prevail generally and blow with the force of a gale at several of our western stations. At Bodø and Christiansund, however, the wind is strong from WSW, while at Coruna it blows a fresh gale from NW. The weather is dull and rainy on our south-west coasts as well as at Coruna, but fine in most other parts of Western Europe. In the course of the past twenty-four hours rain has fallen at nearly all our western stations, the largest amount being 1.5 in at Valencia. Temperature has fallen a few degrees on the eastern shores of the North Sea, but risen elsewhere, readings over our islands now range from 71° in London and at Cambridge to 55° in the Shetlands. The sea is high at Valencia and billowy and rough or rather so on our west coasts generally. Solar halos were seen yesterday in London and at Litchingbourne.

The large depression in the west will probably move northwards and occasion a considerable increase of wind on the Scotch coasts. Over the north of Spain there are some indications of a smaller and shallower disturbance, and this may possibly advance northwards and cause unsettled weather over England.

## ATLANTIC TELEGRAM.

The Chief Signal Officer at Washington U.S. reports that a derelict ship was seen on the 14<sup>th</sup> inst. in Lat: 42° N, Long: 67° W.

## FORECASTS

for the 24 hours ending at NOON on 22<sup>nd</sup> July 1886.  
(Issued at 11 a.m. on the previous day.)

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SE <sup>ly</sup> and S <sup>ly</sup> winds, increasing to a gale; fair to squally and showery	6 { SCOTLAND WEST	Same as N° 0.
1 { SCOTLAND EAST	----- D° ----- D° -----	7 { ENGLAND N.W.	Same as N° 0.
2 { ENGLAND N.E.	Same as N° 5.	8 { ENGLAND S.W.	S <sup>ly</sup> gales, veering and moderating later; squally, rain at times.
3 { ENGLAND EAST	Same as N° 5.	9 { IRELAND NORTH	----- D° ----- D° -----
4 { MIDLAND COUNTIES	Same as N° 5.	10 { IRELAND SOUTH	----- D° ----- D° -----
5 { ENGLAND SOUTH	SE <sup>ly</sup> to S <sup>ly</sup> winds, fresh; fair at first, unsettled later, with some rain and perhaps thunder.	WARNINGS	The S. cone was hoisted yesterday in districts 6 to 10 and the warnings have been extended this morning to districts 0 and 1.



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes	29.82	57	56	SSW	6	r <sup>f</sup>	5	Holyhead	29.92	67	60	S	4	b	3
Sumburgh Head	29.81	57	54	WNW	4	e	3	Valencia	29.58	61	60	SE	7	r	6
Stornoway	29.78	62	54	S	5	b	5	Scilly	29.86	64	62	SSE	6	c	5
Aberdeen	29.85	70	58	SSW	3	b	1	Dungeness	30.09	64	61	SW	3	bc	3
Shields	29.95	70	57	E	3	bc	2	London	30.06	72	60	S	3	b	*
Ardrossan	29.87	63	60	S	4	b	3	Yarmouth	30.06	63	61	SSE	4	b	3
Malin Head	29.70	63	58	SSW	5	o	2	Jersey	30.02	66	62	ESE	3	bc	3
Mulkaghmore	29.69	61	57	SE	6	op	5	Rocheport	30.06	80	68	ESE	5	c	2
Belmullet	29.61	60	59	SSE	6	or	*								

## REMARKS.

The barometer is now falling at most of our western stations, with increasing SE winds and rain in Ireland. On our east coast, however, the mercury continues to rise, the wind is light or moderate from the S<sup>W</sup>, and the weather fine. The sea is rough or rather so on all our western coasts, but moderate to smooth elsewhere.

## CONTINENTAL INFORMATION.

Yesterday morning's Continental report showed a distribution of pressure very similar to that of Monday—viz an anticyclone over the Mediterranean and Western and Central Europe, with cyclonic conditions off our western and northwestern coasts and over Russia. S<sup>W</sup> or SW winds were consequently prevalent over France, the British Isles, and North Sea, while NW and N<sup>W</sup> airs were felt over the Baltic and Western Russia. Showers and thunderstorms had been very prevalent over France and the south east of England during the previous night, but at 8 am the weather was improving except in the southwest of the British Isles, where rain was again setting in, with increasing SE winds. Temperatures remained high (68° to 78°) over Southern Europe generally, the neighbourhood of the Rhine, Western Germany and part of North Germany, as well as over Finland, but (though it had risen since Monday) the thermometer remained lowest off the northern and northwestern coasts of the British Isles. The highest individual readings at 8 am were 97° at Aumale (Algiers), 86° at Pesaro (Italy), 82° at Toulon, 73° at Brest, and 71° at Haparanda; the lowest 53° at Malin Head and Sumburgh Hd, and 50° at Bodø and Stornoway.

During the day the thermometer rose to 93° at Toulon and Lyons, to 87° at Livorno, and to 79° at Stockholm and Haparanda. At the English stations, however, it did not rise above 75°.



# DAILY WEATHER REPORT

for Thursday - 22<sup>nd</sup> JULY 1886.

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

	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.	Barometer at 8 p.m. and Sea Level.	Temp. in Shade.	WIND.		Weather	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9).	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12.)		Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
Haparanda	29.97	68	Z	0	bc	29.97	- .03	73	66	0	Z	0	c	*	82	57	-	
Hernösand	30.05	67	NW	4	c	30.02	+ .02	63	59	+ 5	Z	2	b	*	75	50	-	
Stockholm	29.95	69	NE	2	b	29.95	- .04	67	62	0	Z	2	b	*	79	57	-	
Wisby	29.94	63	W	2	b	29.97	- .08	63	62	- 1	?	4	b	*	73	59	-	
Bodö	30.17	53	WSW	4	c	30.17	+ .20	54	53	- 3	W	2	bc	1	?	50	0.08	
Christiansund	30.16	57	NE	4	b	29.98	- .16	66	57	+ 11	ENE	3	b	2	66	52	-	
† Skudesnaes	30.05	57	NNW	2	bc	29.89	- .27	60	57	+ 5	Z	0	o	3	57	55	-	
Oxö (Xtiansand)	30.06	60	WSW	4	o	30.00	- .12	62	60	+ 4	E	4	o	2	63	55	-	
Skagen (The Skaw)	30.05	55	W	1	b	29.97	- .12	60	56	+ 1	Z	0	c	0	66	52	-	
Fanö	30.04	63	SE	4	b	29.89	- .30	61	60	- 2	ESE	5	t	*	72	57	-	
Cuxhaven	30.10	69	E	2	b	29.93	- .31	68	68	+ 1	SSE	2	c	*	72	65	0.08	
† Sumburgh Head	29.95	55	SE	5	c	29.78	- .21	53	52	- 2	ESE	4	r	4	59	51	0.05	
† Stornoway	29.64	63	SE	4	r	29.43	- .37	59	57	- 4	E	2	b	1	75	54	0.21	
Wick	29.82	56	SE	4	o	29.53	- .38	57	56	0	SE	3	b	3	63	52	0.07	
Nairn	29.71	66	ESE	4	c	29.49	- .37	62	55	- 6	SSE	2	bc	2	76	55	0.14	
† Aberdeen...	29.82	57	ESE	3	o	29.58	- .38	59	57	- 4	S	3	c	1	65	54	0.22	
Leith	29.69	66	SSE	2	r	29.54	- .38	63	57	- 1	S	3	bc	*	75	54	0.26	
† Shields	29.78	57	SE	4	r	29.63	- .33	63	58	+ 3	S	5	c	3	63	55	0.26	
Spurn Head	29.76	63	SE	5	c	29.75	- .20	64	61	+ 4	SSW	5	b	3	65	58	-	
York	29.78	72	S	2	o	29.69	- .24	65	59	- 2	S	3	b	*	75	56	0.01	
Loughborough	29.78	74	SSE	3	o	29.74	- .16	65	59	0	SSW	6	bcq	*	81	57	-	
† Ardrossan	29.61	62	ESE	2	op	29.42	- .38	55	57	- 11	ESE	4	p	3	71	55	0.20	
Malin Head	29.46	62	SE	4	m	29.12	- .56	56	54	- 3	ESE	5	m	5	65	54	0.02	
Mullaghmore	29.36	68	SE	6	bc	29.11	- .41	57	56	- 5	SW	5	op	4	68	55	0.23	
Belmullet	29.33	56	S	6	obl	29.20	- .18	54	54	- 5	W	5	o	*	68	53	0.55	
Donaghadee	29.57	57	SSE	6	o	29.35	- .39	58	57	0	SSW	7	bc	5	60	53	0.17	
Barrow-in-Furness	29.65	64	SE	4	o	29.54	- .30	61	58	- 2	SE	8	c	*	70	55	0.55	
Liverpool (Bidston)	29.65	65	SSE	3	o	29.59	- .21	63	58	- 4	SSE	5	o	3	71	55	0.81	
† Holyhead	29.60	65	S	5	bcq	29.48	- .25	57	57	- 11	S	7	m	5	68	55	0.19	
Parsonstown	29.38	59	SSE	3	r	29.37	- .10	58	56	+ 1	SW	2	o	*	69	53	0.38	
Valencia	29.26	59	SSW	6	bcN	29.48	+ .16	59	57	- 1	WSW	5	aq	5	63	55	0.79	
Roche's Point	29.23	58	SSW	8	bc	29.49	+ .08	59	56	0	SW	6	aq	5	62	54	0.25	
Pembroke	29.59	61	S	6	c	29.56	- .10	59	58	0	SSW	7	aq	7	62	55	0.36	
Scilly	29.61	59	SSW	6	o	29.74	+ .15	62	58	+ 2	WSW	6	cm	6	66	57	0.23	
Prawle Point	29.77	61	S	5	bc	29.81	+ .03	61	59	- 2	SW	6	bc	6	62	54	0.10	
Hurst Castle	29.83	65	SW	3	rm	29.88	+ .02	62	61	- 4	SW	6	c	3	79	60	0.14	
† Dungeness	29.83	68	SSW	1	c	29.92	- .01	62	60	- 5	WSW	5	b	3	73	60	0.43	
London	29.87	75	SSW	3	c	29.87	- .03	66	60	- 5	SSW	5	b	*	84	59	-	
Oxford	29.79	66	S	4	p	29.80	- .07	64	59	- 5	SSW	6	aq	*	79	56	0.03	
Cambridge	29.80	78	S	2	r	29.80	- .11	66	60	- 5	SW	2	b	*	84	56	0.02	
† Yarmouth	29.85	67	SSE	2	b	29.86	- .12	65	61	+ 3	SSW	4	c	3	68	60	0.30	
The Helder	29.89	76	SE	1	bc	29.91	- .17	67	64	+ 1	SW	3	bc	2	81	66	-	
Cape Gris Nez	29.78	80	SW	1	c	29.91	- .04	64	63	+ 3	W	5	c	4	88	61	0.12	
† Jersey	29.85	66	SSW	4	bcp	29.94	+ .11	63	61	- 3	SW	4	bm	3	75	59	0.07	
Brest	29.83	62	SSW	5	b	29.93	+ .16	60	59	- 2	SW	5	o	5	63	50	-	
Lorient	29.92	64	SW	7	c	30.01	+ .17	64	62	- 2	WSW	7	o	5	73	57	0.04	
† Rochefort	30.07	76	NNW	3	b	30.14	+ .14	69	65	+ 1	W	4	o	2	84	63	-	
Biarritz	29.94	90	E	1	c	30.14	+ .20	71	66	+ 1	N	4	o	1	90	68	-	
Corunna	*	*	*	*	*	30.00	- .01	69	65	- 4	WSW	3	o	*	91	67	-	
Brussels	*	*	*	*	*	30.00	- .01	69	65	- 4	WSW	3	o	*	91	67	-	
Charleville	29.96	83	SSE	4	b	30.03	- .03	65	63	- 5	SE	4	o	*	94	61	-	
Paris	29.91	87	SSW	4	bc	30.06	+ .04	64	63	- 7	Z	0	r	*	91	64	-	
Lyons	30.01	85	S	5	c	30.06	- .03	75	62	- 5	SSE	1	b	*	91	64	-	
Toulon	30.13	74	SE	1	m	30.09	- .08	80	72	+ 1	Z	0	b	0	93	72	-	

## EXPLANATION OF COLUMNS.

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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).  
 ‡ These Stations send Reports at 2 p.m. daily (Sundays excepted).

Printed by D. B. Dyer, 11th London



# WEATHER CHARTS

for 8 a.m. on Thursday, 22<sup>nd</sup> July 1886.

## BAROMETER, WIND & SEA.

(Explanation of Map)

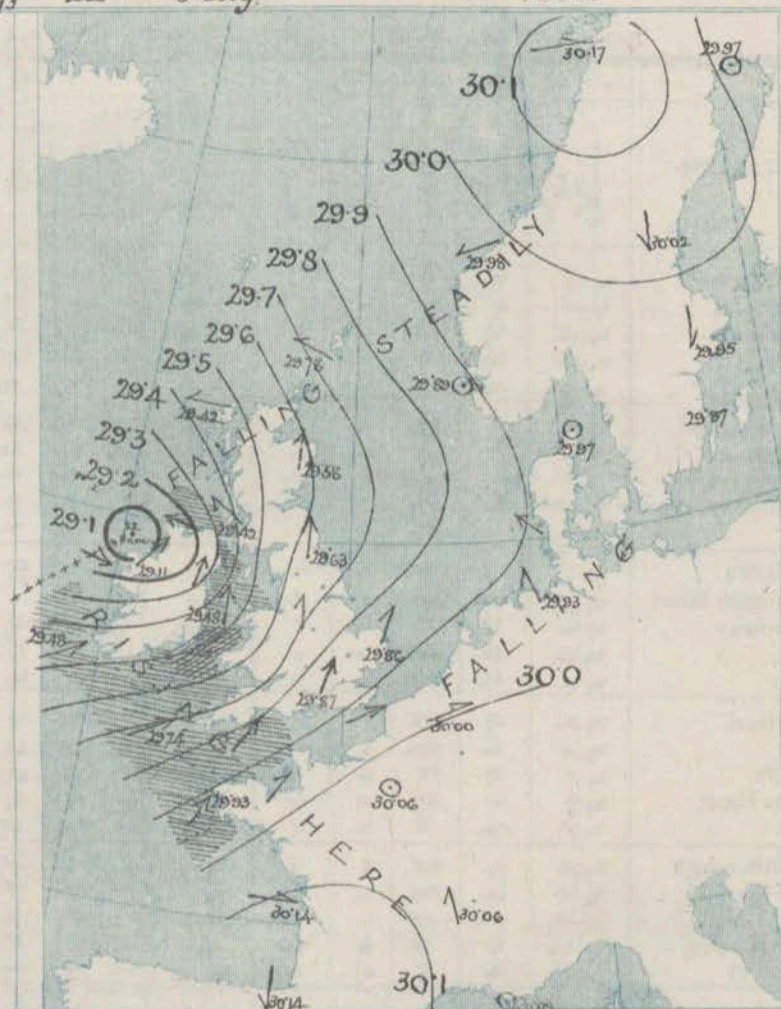
**Barometer** — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 \* — forces above 10; — forces 8 to 10;  
 — forces 5 to 7; — forces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

**Sea Disturbance** — where considerable, is shown thus  
 [Hatched Box] = Rough. [Solid Box] = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.827
Stornoway	29.799
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.878
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.965
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



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

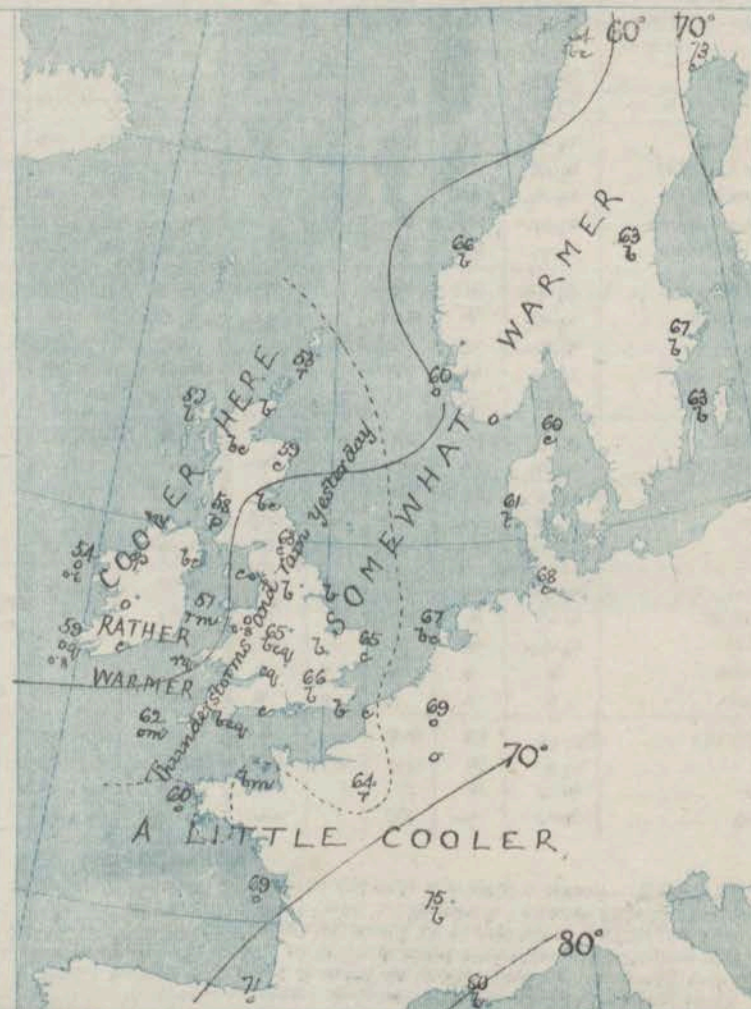
**Temperature** — Isotherms are drawn for each 10° changes since previous morning are stated in words.  
**Weather** — is shown by Letters of the Beaufort Scale.  
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more,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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of July

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.7	52.2	2.09
Stornoway	50.3	40.7	56.4	54.3	3.02
Wick	52.4	40.4	56.2	53.9	2.25
Nairn	55.0	51.6	57.4	53.7	2.57
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	53.6	58.8	55.5	2.63
York	68.1	52.3	59.7	56.5	2.57
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.9	2.67
Holyhead	64.5	55.0	58.3	56.1	2.32
Liverpool	66.4	54.6	59.8	56.1	2.99
Valencia	64.5	53.9	59.0	56.2	3.91
Roche's Point	68.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.5	56.2	2.31
Scilly	65.0	56.9	60.3	58.2	2.29
Hurst Castle	67.9	56.4	61.7	59.2	2.15
Dover	67.4	57.5	63.0	59.2	1.82
LONDON	73.3	54.2	62.5	58.6	2.17
Oxford	69.9	53.7	60.4	57.1	2.51
Cambridge	72.5	52.8	61.3	58.0	2.30
Yarmouth	66.7	55.5	61.4	58.4	2.68

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





# REMARKS.

for

Thursday 22<sup>nd</sup> July

1886 at 8 a.m.

The depression which was approaching our extreme western coasts yesterday morning now has its centre off the north-west of Ireland; and while the barometer is falling steadily in the north and north-east a recovery of pressure has set in at our southern and the French stations. Moderate breezes from E or SE are reported in Norway and the north of Scotland and possible breezes in the south of France, but elsewhere the wind is fresh or strong from SW or S. During yesterday fresh to strong gales from SW or S were experienced in many parts of our western coasts. Rain is falling at Lumburg Head, Holyhead, Pembroke and Paris and passing showers at Ardrossan and Malin Head, but at our eastern and south-eastern stations the weather is fine. Thunder storms and rain were experienced yesterday in almost all parts of the Kingdom, the largest amounts of rain reported this morning are 0.8 in at Liverpool and Valencia and 0.6 in at Belmullet and Barrow-in-Burness. Temperature has risen a little on our southern and eastern coasts, but fallen elsewhere; readings over our islands now range from 66° in London and at Cambridge to 53° in the Shetlands. During yesterday the thermometer exceeded 90° at many of the French stations; the highest maxima over our islands were 84° in London and at Cambridge, 81° at Loughborough and 79° at Hurst Castle and Offord. The sea is high at Pembroke and rough or rather so on our western and south-western coasts.

The depression in the north-west seems likely to move in a north-easterly or north-north-easterly direction. There is at present no sign of the advance of any new disturbance.

## ATLANTIC TELEGRAM

The Chief Signal Officer at Washington U.S. reports that icebergs were seen on the 15<sup>th</sup> inst. in Lat. 47° N. Long. 45° W.

## FORECASTS

For the 24 hours ending at NOON on 23<sup>rd</sup> July 1886.  
(Issued at 11 a.m. on the previous day.)

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	E <sup>ly</sup> and SE <sup>ly</sup> winds, strong; unsettled, some rain.	6 { SCOTLAND WEST	SE <sup>ly</sup> to SW <sup>ly</sup> strong winds and gales; squally, showery.
1 { SCOTLAND EAST	SE <sup>ly</sup> and S <sup>ly</sup> winds, moderate to strong; squally, showery.	7 { ENGLAND N. W.	----- D° ----- D°
2 { ENGLAND N. E.	Same as N° 5.	8 { ENGLAND S. W.	SW <sup>ly</sup> and W <sup>ly</sup> winds, strong, a gale in places, squally, showery.
3 { ENGLAND EAST	Same as N° 5.	9 { IRELAND NORTH	SW <sup>ly</sup> to W <sup>ly</sup> strong winds and gales; squally, showery.
4 { MIDLAND COUNTIES	Same as N° 5.	10 { IRELAND SOUTH	Same as N° 8.
5 { ENGLAND SOUTH	S <sup>ly</sup> and SW <sup>ly</sup> winds, strong at times; fair generally, but perhaps some showers.	WARNINGS	The S. cone is still flying in districts 0.1 and 6 to 10



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes	29.12	65	59	W	2	c	3	Holyhead	29.62	64	61	SSE	4	rg	4
Sumburgh Head	29.99	58	56	SE	4	c	4	Valencia	29.32	56	55	SSE	5	r	5
Stornoway	29.69	75	62	ESE	4	bc	4	Scilly	29.61	66	63	SSW	6	bc	6
Aberdeen	29.90	62	58	SSE	3	bc	1	Dungeness	29.88	71	66	S	1	c	1
Shields	29.82	59	57	E	4	c	2	London	29.82	82	63	SSE	4	bc	*
Ardrossan	29.69	63	61	ESE	4	o	3	Yarmouth	29.90	66	63	SE	3	bc	3
Malin Head	29.39	61	59	SSE	6	o	5	Jersey	29.82	70	64	SN	4	c	4
Mulhaghmore	29.44	63	60	SE	6	c	4	Rochefort	30.01	80	72	WSW	5	b	2
Belmullet	29.36	65	59	S	5	b	*								

## REMARKS.

The barometer is now rising a little at Lillly and Rochefort, and the wind there has veered to the SW<sup>nd</sup>. Elsewhere the barometer continues to fall and the wind is SE<sup>3</sup>; the gales in the west have, however, subsided. Fine weather is reported from all stations excepting Holyhead and Valencia, where rain is falling. The sea is rough at Scilly, rather rough at Valencia, moderate to smooth elsewhere.

## CONTINENTAL INFORMATION.

Yesterday morning's reports showed that anticyclonic conditions prevailed over Central Europe, Denmark and the south of Scandinavia, while a rather deep depression had appeared off the west of the British Isles and was moving N<sup>nd</sup>. SE<sup>3</sup> and S<sup>3</sup> gales had set in at our western stations, with rain, while light or moderate breezes from the same quarters prevailed over other parts of Western Europe, with finer and warmer weather, followed, however, by thunderstorms in many places. Temperature had risen greatly at 8 am over the whole of France, Germany and the SE of England, and readings varied from about 86° in Sardinia and upwards of 77° both in the north of Spain, the SE of France and S. of Austria, and from upwards of 70° over Finland to very little above 50° in the west of Norway. The highest individual readings were 86° at Cagliari, 81° at Kiev, 79° at Rinnitz and 73° at Haparanda and Uleaborg; the lowest 55° at Christiansund, Skudesnaes and Sumburgh Hd.

During the day the thermometer rose to between 90° and 94° over France and to 81° in London, but to only 75° at York.



# DAILY WEATHER REPORT

for Friday - 23<sup>rd</sup> JULY 1886.

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

Issued by the Meteorological Office, No. 1, Whitehall, London, W.C.2.																	
† YESTERDAY EVENING.																	
8 A.M. TO DAY.																	
PAST 24 HOURS.																	
STATIONS.	Barometer at 3 p.m. and Sea Level.	Temp. in Shade.	WIND.			BAROMETER.		SHADE TEMP.			WIND.			Sea. (0 to 9).	SHADE TEMP.		
			Dir.	Force. (0 to 12).	Weather.	Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).	Weather.		Max.	Min.	Amount of Rainfall.
Haparanda																	
Hernösand																	
Stockholm																	
Wisby																	
Bodö	30.04	53	ENE	4	b	29.84	-.33	54	52	0	NNE	4	b	2	55	48	-
Christiansund	29.78	61	NE	3	b	29.69	-.29	63	61	-3	ESE	1	bc	1	66	54	-
† Skudesnaes	29.78	60	S	6	c	29.69	-.20	61	57	+1	SSE	4	c	4	764	?	-
Oxö († Christiansand)	29.80	60	ENE	4	o	29.78	-.22	59	58	-3	ESE	4	f	2	63	55	-
Skagen (The Skaw)	29.85	63	SSW	1	o	29.79	-.18	58	57	-2	W	1	c	0	68	57	-
Fanö	29.93	60	SW	2	b	29.81	-.08	67	63	+6	SW	5	b	*	72	55	0.12
Cuxhaven	29.91	67	ESE	1	c	29.93	.00	66	65	-2	WSW	2	bc	*	74	63	-
† Sumburgh Head	29.58	53	ESE	5	f	29.48	-.30	55	54	+2	ESE	5	bc	5	55	51	0.13
† Stornoway	29.58	63	ESE	4	bc	29.27	-.16	55	55	-4	SE	2	cp	1	67	52	0.27
Wick	29.40	56	SE	5	c	29.36	-.17	56	54	-1	SE	4	bc	3	61	52	-
Nairn	29.34	64	SSE	1	bc	29.33	-.16	61	57	-1	S	2	bc	1	70	56	0.01
† Aberdeen	29.46	58	SSE	4	b	29.46	-.12	58	55	-1	S	3	c	3	64	53	0.06
Leith	29.44	62	ENE	3	c	29.47	-.07	60	54	-3	SW	2	c	*	68	56	0.02
† Shields	29.53	61	S	5	o	29.55	-.08	60	56	-3	SSW	2	c	3	67	55	0.22
Spurn Head	29.68	66	SSW	6	c	29.67	-.08	62	58	-2	SSW	6	bc	3	70	57	0.01
York	29.62	59	S	3	r	29.62	-.07	60	56	-5	SW	3	c	*	70	54	0.14
Loughborough	29.70	64	SSW	6	c	29.70	-.04	61	58	-4	SSW	4	c	*	69	56	0.03
† Ardrossan	29.36	57	SSW	5	r	29.47	+ .05	56	55	-2	SSW	5	c	4	61	55	0.28
Malin Head	29.26	55	SSW	5	r	29.41	+ .29	55	54	-1	SW	3	o	3	60	53	0.34
† Mullaghmore	29.40	58	WSW	6	opq	29.46	+ .35	57	54	0	SSW	2	o	2	59	55	0.28
Belmullet	29.43	57	W	5	og	29.46	+ .26	56	50	+2	W	1	c	*	59	54	0.08
Donaghadee	29.44	58	S	3	c	29.50	+ .15	62	60	+4	WSW	3	b	1	64	52	0.28
Barrow-in-Furness	29.54	60	S	6	b	29.56	+ .02	56	55	-5	SW	6	r	*	63	55	0.27
Liverpool (Bidston)	29.61	64	SW	4	bc	29.61	+ .02	60	55	-3	SSW	2	c	3	65	55	0.24
† Holyhead	29.56	58	SSW	6	cpq	29.59	+ .11	58	57	+1	SSW	4	bc	4	61	54	0.21
Parsonstown	29.54	60	SSW	1	o	29.51	+ .14	60	56	+2	W	1	c	*	65	53	0.12
Valencia	29.63	56	WSW	6	omv	29.51	+ .03	58	56	-1	N	3	o	3	64	54	0.12
Roche's Point	29.66	58	W	5	c	29.50	+ .01	59	59	0	SE	2	rm	4	64	54	0.10
Pembroke	29.68	58	SW	6	c	29.58	+ .02	57	57	-2	SSE	3	f	3	59	56	0.24
† Scilly	29.76	61	WSW	6	o	29.61	-.13	60	59	-2	S	6	r	6	66	57	0.20
Prawle Point	29.87	60	SW	6	bc	29.72	-.09	56	56	-5	SSW	5	r	6	64	55	0.09
Hurst Castle	29.87	63	WSW	7	b	29.79	-.09	58	58	-5	SW	5	odm	4	66	57	0.02
† Dungeness	29.89	63	WSW	4	bc	29.82	-.10	60	58	-2	WSW	4	o	3	66	59	-
London	29.82	65	SW	4	bc	29.83	-.04	62	58	-4	S	3	o	*	72	58	-
Oxford	29.79	61	S	5	c	29.74	-.06	62	58	-2	S	4	c	*	70	56	0.01
Cambridge	29.80	68	SW	2	bc	29.74	-.06	64	59	-2	SW	2	bc	*	74	57	-
† Yarmouth	29.80	69	SSW	5	b	29.77	-.09	62	58	-3	SSW	4	bc	3	70	57	-
The Helder	29.88	65	SSW	3	b	29.83	-.08	63	59	-4	SW	4	c	3	72	63	-
Cape Gris Nez	29.89	64	W	5	b	29.82	-.09	61	59	-3	WSW	5	o	4	70	59	-
† Jersey	29.95	63	W	4	bc	29.87	-.13	59	59	-4	SSW	4	orgm	4	69	58	0.04
Brest	29.98	63	SW	5	o	29.81	-.12	60	59	0	SSW	5	r	5	64	59	0.08
Lorient	30.07	65	W	5	b	29.89	-.12	63	60	-1	SW	7	o	4	72	57	-
† Rochefort	30.16	70	W	5	c	30.06	-.08	67	63	-2	WSW	7	bc	2	77	61	-
Biarritz	30.17	68	WSW	4	o	30.04	-.10	68	64	-3	W	0	o	?	75	64	-
Cornuna	*	*	*	*	*												
Brussels	*	*	*	*	*	29.89	-.11	63	61	-6	SSW	1	r	*	76	61	0.04
Charleville	29.96	71.5	SSE	4	b	29.99	-.04	60	57	-5	SW	4	c	*	73	56	-
Paris	30.02	74	SW	3	bc	29.99	-.07	61	58	-3	SSW	4	bc	*	78	52	0.08
Lyons	30.01	76	NNW	5	b	30.04	-.02	68	63	-7	N	1	o	*	75	64	-
Toulon	30.03	74	NNW	5	m	29.95	-.14	78	64	-2	W	1	m	1	90	70	-

## EXPLANATION OF COLUMNS.

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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for 8 a.m. on *Friday, 23<sup>rd</sup> JULY* 1886.

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(Explanation of Map)

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

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

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

○ = dead calm.

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

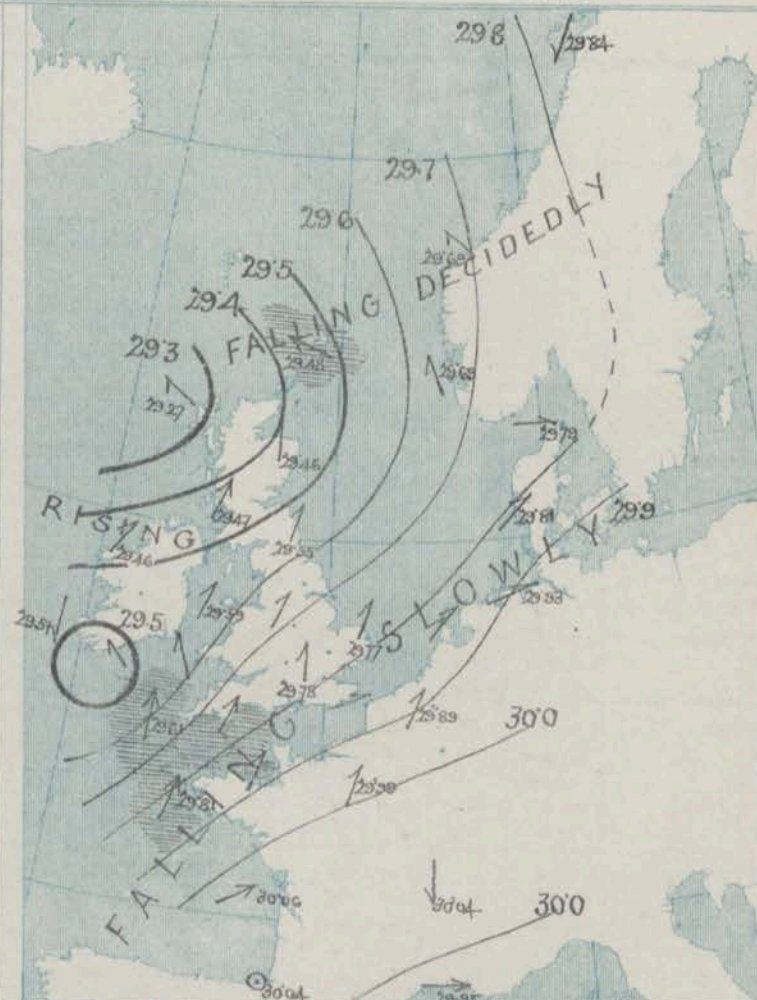
▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

at 8 a.m. for the month of *July*.

During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.827
Stornoway	29.790
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



## 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 *July*

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.7	52.2	2.09
Stornoway	60.3	49.7	56.4	54.3	3.02
Wick	62.4	49.4	56.2	53.9	2.25
Nairn	65.0	51.6	57.4	53.7	2.57
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	53.6	58.8	55.5	2.63
York	68.1	52.3	59.7	56.5	2.57
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.9	2.67
Holyhead	64.5	55.0	58.3	56.1	2.32
Liverpool	66.4	54.6	59.8	56.1	2.99
Valencia	64.5	53.9	59.0	56.2	3.91
Roche's Point	68.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.5	56.2	2.31
Scilly	65.0	56.9	60.3	58.2	2.29
Hurst Castle	67.9	56.4	61.7	59.2	2.15
Dover	67.4	57.5	63.0	59.2	1.82
LONDON	73.3	54.2	62.5	58.6	2.17
Oxford	69.9	53.7	60.4	57.1	2.51
Cambridge	72.5	52.8	61.3	58.0	2.30
Yarmouth	66.7	55.5	61.4	58.4	2.68

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





# REMARKS.

for

Friday 23<sup>rd</sup> July

1886 at 8 a.m.

The depression whose centre lay off the north-west of Ireland yesterday is apparently moving away to the westward of the Hebrides and the barometer is rising a little at most of our northern stations. Owing however, to the advance of a small subsidiary disturbance to the south of Ireland the barometer is again falling on our western and southern coasts. The wind is moderate from the SE<sup>W</sup> in Norway and the north of Scotland, but fresh or strong from S or SW in most other localities. At Valencia, however, it has shifted to the N<sup>W</sup> and fallen light. Fine weather is reported at many of our northern and eastern stations, but elsewhere the sky is cloudy or overcast, with rain in the south-west, and fog at Pembroke. In the course of the past twenty-four hours rain has fallen over the greater part of the Kingdom. Temperature has fallen a little in most places, and readings over our islands now range from 64° at Cambridge to 55° at Lumburgh Head, Hornoway and Malin Head. The maxima registered over England and France yesterday were from 10° to 15° lower than those of the previous day; at Charleville the difference amounted to 21°. The sea is rough in the western part of the Channel and rather rough at Lumburgh Head, but moderate to smooth elsewhere.

The small depression off the south of Ireland will probably travel north-eastwards and occasion squally, rainy weather over England.

## FORECASTS

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

(Issued at 11 a.m. on the previous day.)

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SE <sup>ly</sup> and S <sup>ly</sup> winds, fresh, fair generally, but local showers.	6 { SCOTLAND WEST	Same as N <sup>o</sup> 1.
1 { SCOTLAND EAST	S <sup>ly</sup> winds, moderate or fresh; fair to showery	7 { ENGLAND N. W.	S <sup>ly</sup> and SW <sup>ly</sup> winds, strong; squally, some rain.
2 { ENGLAND N. E.	----- D <sup>o</sup> ----- D <sup>o</sup> -----	8 { ENGLAND S. W.	----- D <sup>o</sup> ----- D <sup>o</sup> -----
3 { ENGLAND EAST	Same as N <sup>o</sup> 5.	9 { IRELAND NORTH	SW <sup>ly</sup> winds, moderate, unsettled, some showers.
4 { MIDLAND COUNTIES	Same as N <sup>o</sup> 5.	10 { IRELAND SOUTH	Variable breezes, finally SW <sup>ly</sup> ; unsettled, some showers.
5 { ENGLAND SOUTH	S <sup>ly</sup> and SW <sup>ly</sup> winds, fresh or strong, some rain at first, improving later.	WARNINGS	The S. cone has been lowered in all districts excepting N <sup>o</sup> 7.



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnes	29.52	64	58	S	5	0	3	Holyhead	29.54	59	57	SSW	6	cq	6
Sumburgh Head	29.59	54	54	ESE	5	f	4	Valencia	29.61	58	57	WSW	5	omp	5
Stornoway	29.35	65	58	ESE	5	cq	5	Scilly	29.85	64	59	WSW	7	0	6
Aberdeen	29.50	60	56	SSE	5	bc	4	Dungeness	29.91	66	62	SW	5	bc	4
Shields	29.56	63	58	S	5	p	3	London	29.85	69	61	SSW	5	bcq	#
Ardrossan	29.37	61	57	SSE	4	0	3	Yarmouth	29.83	67	62	SSE	5	b	4
Malin Head	29.26	57	57	SW	5	r	5	Jersey	29.94	69	62	SW	4	b	4
Mullaghmore	29.31	56	56	WSW	6	p	6	Rocheport	30.17	76	68	W	4	0	2
Belmullet	29.37	58	56	W	5	0	*								

## REMARKS.

The barometer continues to fall on our N. and E. coasts, but a recovery is in progress at all our western stations. Fresh or strong winds prevail generally; in the west they are SW<sup>1</sup> or W<sup>1</sup>, in the east S<sup>1</sup>, and in the north SE<sup>1</sup>. Fair weather is reported generally, but showers are falling at Mullaghmore, Shields and Valencia. The sea is rough or rather so on all our W<sup>1</sup> coasts.

## CONTINENTAL INFORMATION.

Yesterday's Continental Reports showed two high pressure areas, lying, one over Scandinavia and the other over Portugal and the north of Spain. These two were united by a broad "col", which lay over France, Denmark, and the south of Scandinavia, and to the westward of which (i.e. off our eastern coasts) was a well marked depression. SW<sup>1</sup> breezes prevail over France, S<sup>1</sup> to SE<sup>1</sup> gales and strong winds over the British Islands, and E<sup>1</sup> breezes over Norway, while in North Germany and Austria there were variable airs and in Western Russia light breezes from the N<sup>1</sup>. Fair weather prevailed except in the extreme west and northwest, where the air was cool and the weather rainy and squally; lightning had been seen over France and Denmark in the night. Temperatures at 8 am varied from between 77° and 86° over the northern and eastern <sup>shore</sup> of the Mediterranean to 68° and upwards over Germany, Spain and the south of France and to about 56° in the extreme northwest of our Islands. The highest morning readings recorded were 86° at Cagliari, 84° at Alicante and 82° at Nice and C. Béarn; the lowest 53° at Sumburgh Head, 54° at Bodö and Belmullet.

During the day the thermometer rose to 90° at Toulon, but did not reach 80° at any other French station, nor did it rise above 70° to 74° over England.



# DAILY WEATHER REPORT

for Saturday - 24<sup>th</sup> JULY 1886.

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

Issued by the Meteorological Office, No. 1, Victoria Street, London, W. H. 5001, 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 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda	29.66	64	Z	0	0	b	29.61	-.17	69	64	0	SE	2	b	0	77	59	-	
Hernösand	29.67	62	SSW	2	0	b	29.61	-.21	63	59	-5	NNE	2	b	0	75	54	-	
Stockholm	29.72	64	SSW	2	0	o	29.68	-.16	64	62	-6	Z	0	r	0	77	59	-	
Wisby	29.76	64	W	4	0	o	29.69	-.10	62	60	-6	ESE	2	o	0	75	55	0.08	
Bodö	29.67	55	NNE	4	0	b	29.57	-.27	55	53	+1	NNE	4	b	2	59	52	0.04	
Christiansund	29.64	56	WSW	2	0	o	29.61	-.08	54	53	-9	W	4	f	2	61	50	0.08	
†Skudesnaes	29.65	58	SSE	4	0	c	29.61	-.08	60	56	-1	SSE	2	c	3	62	53	-	
Oxö (Xtiansand)	29.72	60	WSW	4	0	m	29.65	-.13	60	58	+1	NNW	2	b	2	66	55	-	
Skagen (The Skaw)	29.71	60	Z	0	0	c	29.62	-.17	61	58	+3	Z	0	c	0	70	54	-	
Fanö	29.71	54	Z	0	0	b	29.55	-.26	61	60	-6	BSE	4	c	0	68	54	0.04	
Cuxhaven	29.83	67	NNW	1	0	b	29.62	-.31	65	63	-1	ESE	3	o	0	70	61	-	
†Sumburgh Head	29.50	55	ESE	4	0	c	29.54	+ .06	52	52	-3	E	3	f	4	59	50	-	
†Stornoway	29.41	56	SSW	3	0	r	29.47	+ .20	57	56	+2	Z	0	cp	0	59	51	0.06	
Wick	29.44	59	W	1	0	b	29.48	+ .12	58	56	+2	SE	2	cm	2	61	51	-	
Nairn	29.44	62	W	1	0	b	29.45	+ .12	55	55	-6	Z	0	m	1	68	48	0.02	
†Aberdeen...	29.47	60	S	3	0	c	29.46	-.00	55	55	-3	SE	1	rm	1	65	50	0.31	
Leith	29.46	63	WSW	2	0	c	29.42	-.05	56	56	-4	NW	1	orm	0	69	53	0.38	
†Shields	29.50	62	S	3	0	o	29.43	-.12	59	57	-1	WSW	2	o	2	67	55	0.08	
Spurn Head	29.56	61	SSE	3	0	r	29.49	-.18	58	57	-4	W	4	rm	2	70	57	0.44	
York	29.55	60	S	1	0	r	29.47	-.15	61	58	+1	SSW	3	c	0	68	56	0.44	
Loughborough	29.55	61	SSE	1	0	r	29.55	-.15	61	57	0	W	4	c	0	67	57	0.26	
†Ardrossan	29.45	59	SSW	2	0	o	29.46	-.01	58	56	+2	NNW	3	o	2	62	54	0.01	
Malin Head	29.44	58	Z	0	0	cp	29.51	+ .10	53	52	-2	W	4	c	1	61	48	0.07	
†Mullaghmore	29.47	59	W	2	0	c	29.51	+ .05	56	54	-1	SW	2	c	2	62	55	0.03	
Belmullet	29.49	55	NNW	3	0	o	29.50	+ .04	56	53	0	W	2	c	0	60	54	0.04	
Donaghadee	29.47	55	SW	3	0	r	29.51	+ .01	57	56	-5	NNW	3	c	1	65	53	0.03	
Barrow-in-Furness	29.46	60	SE	4	0	r	29.49	-.07	58	55	+2	WSW	4	ow	0	62	55	0.68	
Liverpool (Bidston)	29.47	61	SE	2	0	o	29.55	-.06	56	52	-4	W	5	o	4	62	54	0.28	
†Holyhead	29.46	57	SSW	4	0	rm	29.58	-.01	56	54	-2	SW	4	b	4	60	53	0.67	
Parsonstown	29.50	63	W	1	0	b	29.59	+ .08	57	54	-3	Z	0	c	0	67	52	0.03	
Valencia	29.60	58	NNW	3	0	om	29.63	+ .12	58	55	0	SW	3	c	4	65	53	0.01	
Roche's Point	29.55	60	NNW	4	0	c	29.61	+ .11	57	54	-2	W	3	o	3	66	52	?	
Pembroke	29.48	58	SSE	2	0	f	29.64	+ .06	57	56	0	W	4	c	4	60	53	0.13	
†Scilly	29.53	61	NNW	5	0	c	29.72	+ .11	60	56	0	W	4	o	5	64	56	0.50	
Prawle Point	29.44	59	SSW	4	0	f	29.71	-.01	58	56	+2	W	3	b	3	60	55	0.31	
Hurst Castle	29.47	59	S	4	0	f	29.66	-.03	61	60	+3	NNW	5	c	4	63	58	0.30	
†Dungeness	29.64	60	SSW	3	0	r	29.58	-.24	61	61	+1	W	4	r	3	63	59	0.35	
London	29.58	60	SSE	3	0	c	29.59	-.24	62	59	0	NNW	3	c	0	65	58	0.25	
Oxford	29.49	60	SE	2	0	r	29.60	-.14	61	58	-1	WSW	3	c	0	64	57	0.09	
Cambridge	29.56	60	SSE	1	0	r	29.55	-.19	63	58	-1	W	1	c	0	69	57	0.37	
Yarmouth	29.63	62	SSW	4	0	c	29.49	-.28	62	60	0	NNW	3	c	3	68	57	0.62	
The Helder	29.69	61	SSW	3	0	r	29.33	-.50	62	61	-1	SW	4	r	3	66	59	0.36	
Cape Gris Nez	29.63	60	SW	7	0	r	29.54	-.28	61	60	0	W	7	o	5	68	57	0.32	
Jersey	29.52	62	WSW	6	0	om	29.74	-.07	59	58	0	W	4	om	4	63	57	0.59	
Brest	29.64	60	W	7	0	m	29.78	-.03	61	56	+1	W	4	o	5	63	57	0.51	
Lorient	29.70	63	W	8	0	m	29.84	-.05	62	60	-1	NNW	7	o	5	68	55	0.08	
†Rocheport	29.99	73	W	1	0	c	29.99	-.05	68	66	0	WSW	4	r	2	77	66	-	
Biarritz	*	*	*	*	*	*	30.01	-.08	68	66	+2	SSW	1	o	4	75	63	-	
†Corunna	*	*	*	*	*	*	29.57	-.32	60	50	-3	WSW	4	o	0	66	60	1.38	
Brussels	*	*	*	*	*	*	29.57	-.32	60	50	-3	WSW	4	o	0	66	60	1.38	
Charleville	29.01	65	WSW	4	0	o	29.67	-.32	63	60	+3	NNW	7	o	0	69	61	0.12	
Paris	29.74	63	SSW	1	0	r	29.74	-.25	62	60	+1	W	3	b	0	69	61	1.18	
Lyons	29.87	75	ENE	1	0	o	29.86	-.18	75	64	+7	NNW	1	b	0	82	63	-	
Toulon	29.89	69	NW	3	0	o	29.80	-.15	75	63	+7	NW	4	b	2	88	68	-	

## EXPLANATION OF COLUMNS.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.  
 \* AN ASTERISK is inserted in all places for which information is not usually received.  
 † The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).  
 ‡ These Stations send Reports at 2 p.m. daily (Sundays excepted).  
 + Received too late for insertion in Chart.



# WEATHER CHARTS

for 8 a.m. on Saturday, 24<sup>th</sup> JULY.

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.

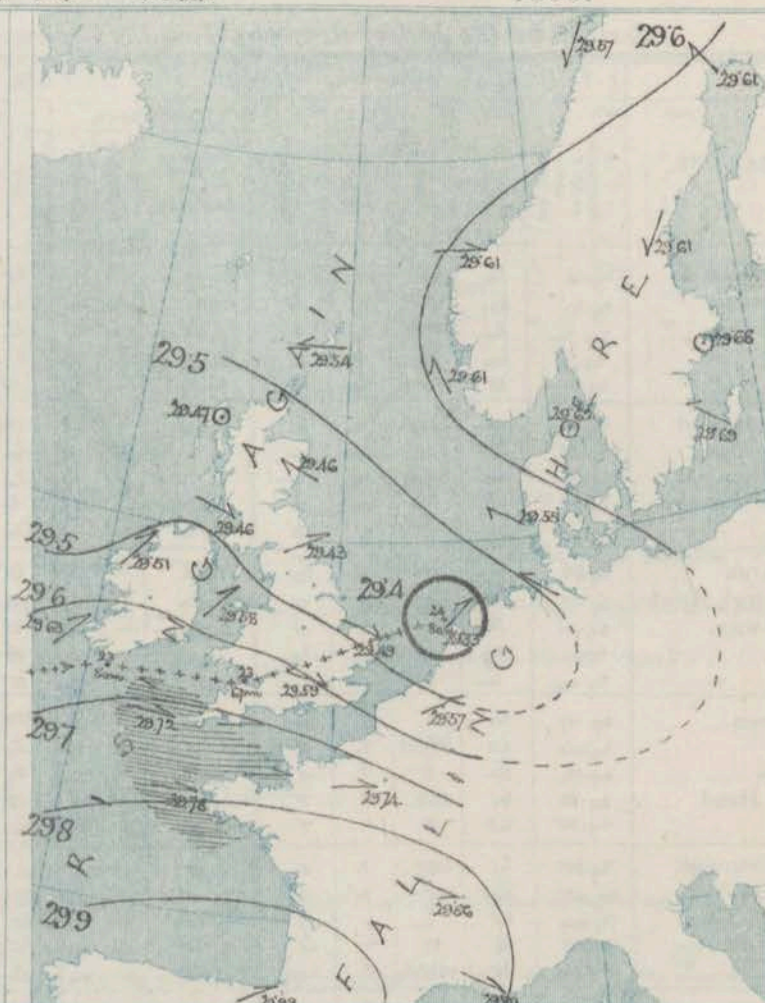
**Sea Disturbance**—where considerable, is shown thus

■ = Rough, ■ = High

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.827
Stornoway	29.798
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Rocha's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.987
Yarmouth	29.994



## 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.

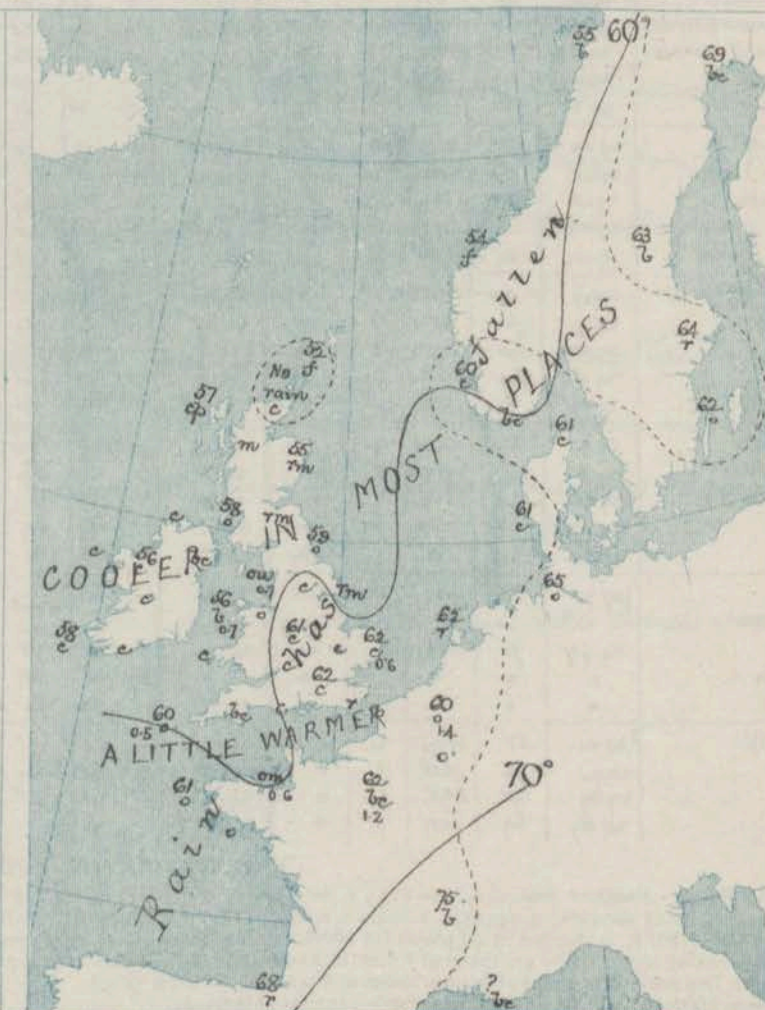
**Rainfall**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of July

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	Air & M. Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.7	52.2	2.09
Stornoway	60.3	49.7	56.4	54.3	3.02
Wick	62.4	49.4	56.2	53.9	2.25
Nairn	65.0	51.6	57.4	53.7	2.57
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	53.6	58.8	55.5	2.63
York	68.1	52.3	59.7	56.5	2.57
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.9	2.67
Holyhead	61.5	55.0	58.3	56.1	2.32
Liverpool	66.4	54.6	59.8	56.1	2.99
Valencia	64.5	53.9	59.0	56.2	3.91
Rocha's Point	68.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.5	56.2	2.31
Scilly	65.0	56.9	60.3	58.2	2.29
Hurst Castle	67.9	56.4	61.7	59.2	2.15
Dover	67.4	57.5	63.0	59.2	1.82
LONDON	73.3	54.2	62.5	58.6	2.17
Oxford	69.9	53.7	60.4	57.1	2.51
Cambridge	72.5	52.8	61.3	58.0	2.30
Yarmouth	66.7	55.5	61.4	58.4	2.68

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





## for

1886 at 8 a.m.

At Valencia the barometer has apparently ceased rising, and as the wind there is backing somewhat it is not unlikely that other depressions will shortly advance from the westward.

for the 24 hours ending at NOON on 25<sup>th</sup> July 1886.  
(Issued at 11 a.m. on the previous day.)

*Fredrik Ingerfeld, Lth. London, (13).*



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.															
	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes	29.67	62	58	SSE	6	0	4	Holyhead	29.49	59	59	S	3	rm	3
Sumburgh Head	29.50	56	55	ESE	5	m	5	Valencia	29.57	64	60	WNW	3	c	4
Stornoway	29.35	59	55	SW	4	0	3	Scilly	29.44	62	61	WNW	5	bc	5
Aberdeen	29.47	62	56	S	3	c	2	Dungeness	29.74	61	60	SW	4	r	3
Shields	29.53	67	58	SSW	3	c	2	London	29.67	63	60	SSE	4	op	*
Ardrossan	29.48	59	58	SSW	2	c	2	Yarmouth	29.70	65	61	SSW	4	c	4
Malin Head	29.44	58	56	WNW	2	0	2	Jersey	29.61	59	59	SSE	5	r	4
Mullaghmore	29.47	60	57	W	2	0	2	Rocheport	20.00	68	64	SW	7	0	3
Belmullet	29.45	58	56	W	2	0	*								

## REMARKS.

A small depression noticed off the south of Ireland this morning is apparently moving eastwards, and the barometer is rising again in the extreme west. The wind has veered to WNW at Scilly, with improving weather, but at all our more eastern stations it remains S<sup>3</sup> and rain is falling at Holyhead, Dungeness and in London. The sea is rather rough at Sumburgh Hd. and Scilly, moderate to smooth elsewhere.

## CONTINENTAL INFORMATION.

Yesterday's Continental reports showed that the more northern of the two high pressure areas recently prevalent was dissipating and that barometric readings varied from a little above 30.0 ins. over the south of France and a little above 29.8 ins. over Northern Russia to 29.3 ins. off the north-west coasts of the British Isles, where the depression noticed on Thursday was filling up. The wind was consequently SW<sup>3</sup> or S over Western Europe and blew strongly at the more exposed stations in the British Isles, where also the weather was cool, showery and unsettled, while over Central Europe it was fine and warm. Temperature remained high (68° to 78°) over the northern shore of the Mediterranean, but was rather low over the British Isles and the western parts of Scandinavia; the highest individual readings reported were 86° at Alicante and Cagliari, 83° at Biskra (Algeria), Palma and Trieste and 68° to 70° at the Swedish stations; the lowest were 54° at Bodø and 55° at Sumburgh Hd. and Stornoway.

In the course of the day the thermometer did not rise above 70° over the British Islands, and in London the maximum was only 65°. At London, however, it rose to 88° at Lyons to 82°, and in the north of Sweden to 77°.

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



# DAILY WEATHER REPORT

for Sunday — 25<sup>th</sup> JULY 1886.

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

Issued by the Meteorological Office, No. 1, Victoria Street, London, W.																	
† YESTERDAY EVENING.							8 A.M. TO DAY.							PAST 24 HOURS.			
STATIONS.	Barometer at 8 p.m. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.
			Dir.	Force (0 to 12).		Reading at 8 p.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12).			Max.	Min.	
Haparanda	29.56	59	S	2	b	29.55	— .06	72	66	+ 3	SSE	2	b	•	75	55	—
Hernösand	29.55	59	Z	0	b	29.56	— .05	62	60	— 1	Z	0	c	•	70	59	0.04
Stockholm	29.58	64	Z	0	o	29.49	— .19	63	61	— 1	E	2	o	•	75	59	0.08
Wisby	29.55	60	S	4	r	29.45	— .24	66	62	+ 4	S	4	c	•	75	59	0.04
Bodo	29.60	53	NNE	4	o	29.59	+ .02	57	58	— 2	NNE	4	o	2	55	58	—
Christiansund	29.61	69	NNE	6	b	?	?	54	51	0	?	4	f	3	57	50	—
Skudeaues	29.54	59	NN	4	o	29.48	— .06	61	48	+ 1	Z	0	c	3	62	59	0.16
Oxö (Xtiansand)	29.54	61	ENE	1	o	29.49	— .16	61	60	+ 2	N	1	o	1	64	57	—
Skagen (The Skaw)	29.50	60	NNE	1	o	29.45	— .17	61	54	0	NE	1	o	0	64	59	—
Fanö	29.45	62	ESE	2	c	29.59	+ .04	61	59	0	W	4	c	•	68	57	0.13
Cuxhaven	29.51	63	W	7	r	29.69	+ .07	63	62	— 2	WSW	4	b	•	65	60	1.08
Sumburgh Head	29.56	53	NE	3	mv	29.58	+ .04	51	50	— 1	NE	4	c	4	54	47	—
Stornoway	29.49	61	SSW	2	c	29.57	+ .10	54	54	— 3	ENE	3	r	2	64	53	0.43
Wick	29.52	55	S	1	o	29.54	+ .06	54	54	— 4	S	1	o	1	62	51	0.08
Nairn	29.49	57	WNW	1	r	29.52	+ .07	55	54	0	WNW	1	m	1	68	52	0.26
Aberdeen	29.48	55	ENE	1	f	29.55	+ .09	55	54	0	NE	1	m	1	57	53	0.28
Leith	29.49	58	NN	1	r	29.53	+ .11	58	55	+ 2	W	1	c	•	60	53	0.22
Shields	29.51	62	W	4	c	29.57	+ .14	60	55	+ 1	SW	3	b	2	66	49	—
Spurn Head	29.58	62	W	4	b	29.63	+ .14	58	56	0	SSW	3	c	2	64	53	0.01
York	29.57	63	W	3	b	29.60	+ .13	58	55	— 3	S	1	o	•	66	48	—
Loughborough	29.64	62	WSW	3	c	29.60	+ .05	60	58	— 1	SSE	3	o	•	67	52	—
Ardrossan	29.52	60	SSW	2	b	29.55	+ .09	59	55	+ 1	SSE	1	o	1	61	49	—
Malin Head	29.51	57	WNW	2	r	29.51	.00	57	54	+ 4	SE	1	o	1	61	51	0.06
Mullaghmore	29.53	58	W	1	c	29.51	.00	59	55	+ 3	NE	1	c	1	62	56	0.05
Belmullet	29.50	59	S	2	b	29.50	.00	59	57	+ 3	SSW	2	o	•	60	54	0.13
Donaghadee	29.55	58	SW	3	b	29.55	+ .04	58	56	+ 1	SE	2	b	0	65	46	—
Barrow-in-Furness	29.57	59	SW	3	b	29.55	+ .06	59	56	+ 1	ESE	4	b	•	60	54	0.01
Liverpool (Bidston)	29.61	59	W	3	c	29.56	+ .01	59	55	+ 1	ESE	2	o	2	61	54	—
Holyhead	29.60	57	SSW	4	c	29.54	— .04	57	56	+ 1	ENE	1	m	2	61	54	0.01
Parsonstown	29.57	62	SW	1	c	29.54	— .05	58	54	+ 1	Z	0	c	•	64	47	—
Valencia	29.60	59	SW	3	o	29.53	— .10	55	54	— 3	SE	1	o	1	63	51	0.04
Roche's Point	29.60	61	SW	2	c	29.57	— .04	54	52	— 3	SW	1	c	3	62	53	—
Pembroke	29.65	59	SSW	4	b	29.54	— .10	56	56	— 1	W	4	b	4	60	55	0.29
Scilly	29.66	62	S	4	o	29.58	— .14	59	56	— 1	Z	0	o	4	66	54	0.01
Prawle Point	29.74	59	SW	3	b	29.58	— .13	59	59	+ 1	W	2	b	3	62	56	0.10
Hurst Castle	29.75	61	WSW	7	b	29.60	— .06	61	61	0	SW	5	f	4	66	58	0.29
Dungeness	29.69	62	W	5	c	29.65	+ .07	62	60	+ 1	SSW	4	a	3	69	58	—
London	29.69	64	WSW	3	o	29.62	+ .03	61	59	— 1	SE	2	o	•	69	55	0.02
Oxford	29.69	59	SW	3	b	29.60	.00	59	58	— 2	SE	3	o	•	67	55	0.01
Cambridge	29.65	63	W	1	c	29.63	+ .08	61	59	— 2	S	1	a	•	69	49	—
Yarmouth	29.63	64	W	3	b	29.66	+ .17	62	58	0	S	2	b	2	68	54	0.01
The Helder	29.64	62	WSW	3	c	29.70	+ .37	62	59	0	WSW	3	c	2	64	59	—
Cape Gris Nez	29.68	60	W	8	b	29.68	+ .14	59	56	— 2	S	4	c	2	64	57	—
Jersey	29.79	60	W	2	o	29.63	— .11	61	61	+ 3	SSW	3	o	3	64	57	0.17
Brest	29.78	61	S	5	o	29.63	— .15	61	61	0	SW	5	m	5	66	55	0.14
Lorient	29.88	63	SW	5	o	29.70	— .14	63	63	+ 1	SW	5	m	5	68	55	0.08
Rochefort	29.96	69	WNW	4	c	29.87	— .16	68	67	— 2	SW	5	c	2	77	59	0.04
Biarritz	29.95	70	NNW	4	b	29.83	— .16	66	63	— 2	E	3	b	2	77	61	—
Corunna	*	*	*	*	*	29.85	— .16	68	66	0	SSW	5	o	4	79	63	—
Brussels	*	*	*	*	*	29.76	+ .19	62	58	+ 2	SSW	1	o	•	71	65	0.04
Charleville	29.78	68	W	4	b	29.80	+ .10	60	59	— 3	WSW	1	c	•	73	54	—
Paris	29.82	68	WSW	3	c	29.82	+ .08	60	59	— 2	S	3	c	•	75	54	—
Lyons	29.82	78	NNW	3	b	29.88	+ .02	70	63	— 5	W	1	b	•	86	62	—
Toulon	29.80	72	WSW	7	m	29.80	.00	69	64	?	WSW	3	m	2	84	?	—

## EXPLANATION OF COLUMNS:

WEATHER.—Bouffort 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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).  
 ‡ These Stations send Reports at 2 p.m. daily (Sundays excepted).

Printed by H. K. B. at the London



# WEATHER

# CHARTS

for 8 a.m. on

Sunday 25<sup>th</sup> July

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 July.  
 During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.827
Stornoway	29.799
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.991
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



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

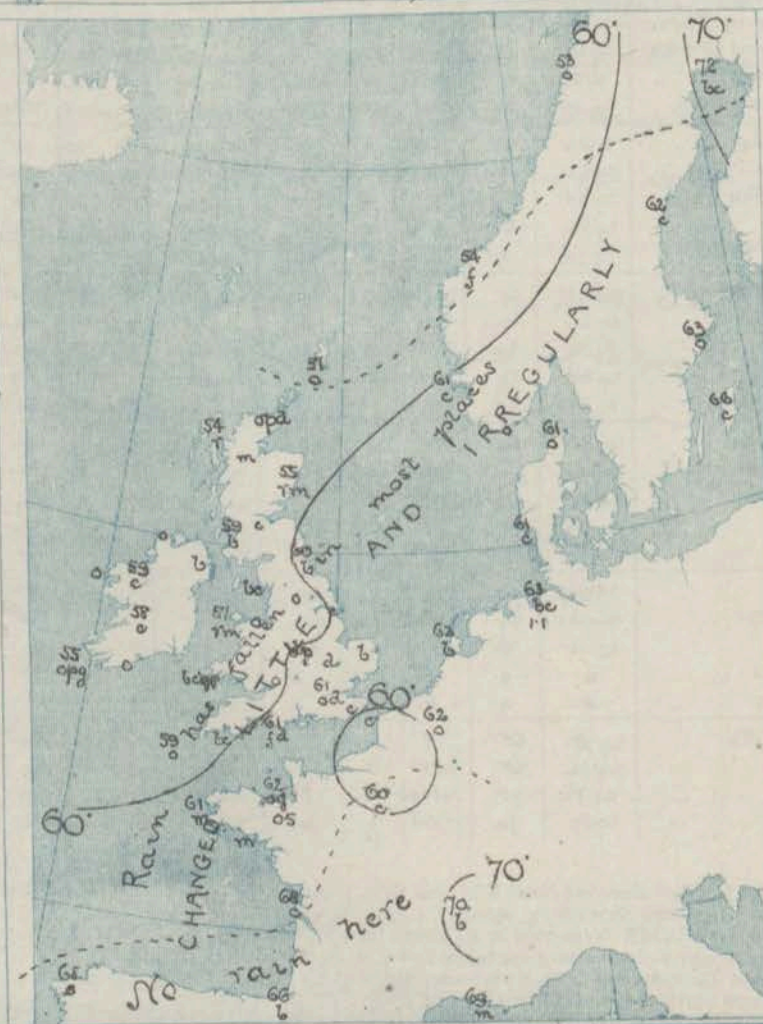
**Temperature**—Isotherms are drawn for each 10° Changes since previous morning are stated in words.  
**Weather**—is shown by Letters of the Beaufort Scale.  
**Rainfall**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of July

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.7	52.2	2.09
Stornoway	60.3	49.7	56.4	54.3	3.02
Wick	62.4	49.4	56.2	53.9	2.25
Nairn	65.0	51.6	57.4	53.7	2.57
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	53.6	58.8	55.5	2.63
York	68.1	52.3	59.7	56.5	2.57
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.9	2.67
Holyhead	64.5	55.0	58.3	56.1	2.32
Liverpool	66.4	54.6	59.0	56.2	2.99
Valencia	64.5	53.9	59.1	56.0	3.16
Roche's Point	68.2	53.9	59.1	56.0	2.31
Pembroke	64.0	55.4	58.5	56.2	2.29
Scilly	65.0	56.9	60.3	58.2	2.15
Hurst Castle	67.9	56.4	61.7	59.2	1.82
Dover	67.4	57.5	63.0	59.2	2.17
LONDON	73.3	54.2	62.5	58.6	2.51
Oxford	69.9	53.7	60.4	57.1	2.30
Cambridge	72.5	52.8	61.3	58.0	2.68
Yarmouth	68.7	55.5	61.4	58.4	

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





# REMARKS.

for Sunday 25<sup>th</sup> JULY 1886 at 8 a.m.

The depression which lay off the Dutch coast yesterday has moved NE<sup>w</sup> to the south of Scandinavia, but the barometer is again falling at all our western and southern stations, and a small shallow disturbance has appeared over Wales, while a larger system is approaching Ireland. In the north of our Islands the barometer is rising somewhat. Moderate SW<sup>3</sup> breezes prevail at our southern and the French stations, light SE<sup>3</sup> breezes on our NW coast, and E<sup>3</sup> breezes in the north; in Scandinavia however, the wind is light and variable. The weather is cloudy and unsettled generally, with rain in many parts of Great Britain and passing showers at Valencia. Temperature has fallen slightly in France, the southwest of our Islands and the north of Scotland, but changed irregularly elsewhere; readings over the United Kingdom now range from 62° at Dungeness, Yarmouth and Jersey to 51° at Lumburgh Head. The sea is moderate to smooth.

## FORECASTS

for the 24 hours ending at NOON on 26<sup>th</sup> JULY 1886.  
(Issued at 11 a.m. on the previous day.)

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

0 { SCOTLAND  
NORTH

1 { SCOTLAND  
EAST

2 { ENGLAND  
N.E.

3 { ENGLAND  
EAST

4 { MIDLAND  
COUNTIES

5 { ENGLAND  
SOUTH

*None issued*

6 { SCOTLAND  
WEST

7 { ENGLAND  
N.W.

8 { ENGLAND  
S.W.

9 { IRELAND  
NORTH

10 { IRELAND  
SOUTH

*None issued*

WARNINGS



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes	29.58	66	58	W	5	0	3	Holyhead	29.61	60	59	SW	4	bc	4
Sumburgh Head	29.55	53	50	E	3	m	4	Valencia	29.62	62	56	SW	3	c	4
Stornoway	29.49	63	68	Z	0	bc	0	Seilly	29.71	66	61	SSW	2	c	5
Aberdeen	29.48	56	56	ESE	1	f	1	Dungeness	29.65	62	60	W	5	c	4
Shields	29.47	65	60	W	5	c	2	London	29.67	69	60	WSW	2	c	*
Ardrossan	29.51	61	58	WSW	2	c	1	Yarmouth	29.59	68	60	WNW	4	bc	3
Malin Head	29.50	60	57	W	2	bc	2	Jersey	29.50	63	60	W	3	c	3
Mullaghmore	29.50	59	45	WSW	3	cp	2	Rochefort	29.98	70	65	WNW	4	0	2
Belmullet	29.53	59	52	W	3	cp	*								

## REMARKS.

No important change has occurred since the morning.

## CONTINENTAL INFORMATION.

Yesterday morning Continental report showed that pressure varied from about 30 ins: over the Iberian Peninsula to a little below 29.5 ins: off our extreme north-western coast and over Central Russia <sup>and</sup> to about 29.3 ins: over the southern part of the North Sea. Thus, while the winds over Europe were chiefly SW to NW, those prevailing in the north were variable from the eastward. The weather was showery in the west and rather so in the north, but fine over the S<sup>W</sup>, SE<sup>W</sup>, and E<sup>W</sup> countries. Temperature was low in the NW, but had not fallen in the south, the readings varying from between 75° and 85° over Algeria, from between 70° and 77° in the south of France, and from between 63° and 74° over Ireland to between 52° and 55° on the extreme NW coast. The highest individual readings (at 8 am) were 85° at Riekkra (Algeria) and 82° at Cagliari and Trieste and 74° at Uleaborg; the lowest 52° at Sumburgh Head, 53° at Malin Head and 54° at Christiansund.

In the course of the day the thermometer rose to 106° at Riekkra (Algeria) and to between 86° and 96° on the northern shores of the Mediterranean, but did not exceed 69° in any part of the British Islands. At Aberdeen the maximum was only 57° and at Sumburgh Head 54°.

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



# DAILY WEATHER REPORT

for *Monday - 26<sup>th</sup> July* 1886.

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

Issued by the Meteorological Office, No. 1, New Street, London, E.C. 4.																		
† YESTERDAY EVENING.							8 A.M. TO DAY.							PAST 24 HOURS.				
STATIONS.	Barometer at 3 p.m. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force (0 to 12).		Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12).			Max.	Min.		
Haparanda	29.50	66	Z	0	b	29.50	-0.05	70	66	-2	E	3	bc	•	79	61	-	
Hernösand	29.50	64	Z	0	o	29.50	-0.06	65	62	+3	Z	0	o	•	75	54	-	
Stockholm	29.44	63	SSW	2	c	29.55	-0.06	64	60	+3	W	2	o	•	73	59	-	
Wisby	29.49	63	SSW	4	bc	29.60	+1.15	60	56	-6	W	4	o	•	72	57	0.08	
Bodö	29.61	53	NNE	4	o	29.59	-0.02	53	51	0	NL	4	o	2	74	52	-	
Christiansund	29.59	54	NNE	5	b	29.61	?	51	50	-3	NL	4	f	3	58	48	-	
†Skudesnaes	29.55	57	SSW	1	o	29.53	+0.05	59	56	-3	NSW	2	o	2	61	52	-	
Oxö (Xtiansand)	29.57	59	NSW	4	c	29.54	+0.05	59	57	-2	SW	4	o	3	63	57	-	
Skagen (The Skaw)	29.58	58	W	2	c	29.58	+1.13	59	56	-2	NSW	2	bc	1	64	54	-	
Fanö	29.66	56	S	1	b	29.51	-0.08	61	57	0	SE	4	c	•	64	55	-	
Cuxhaven	29.76	65	ESE	2	b	?	?	65	63	+2	SSW	2	bc	•	67	62	-	
†Sumburgh Head	29.62	53	NE	4	o	29.64	+0.06	51	47	0	NNE	5	o	5	56	47	0.01	
†Stornoway	29.64	53	NE	5	o	29.71	+1.14	51	49	-3	NE	6	c/p	4	56	48	0.03	
Wick	29.61	52	NE	3	o	29.66	+1.12	52	50	-2	NE	5	o	2	62	50	0.06	
Nairn	29.60	54	NE	2	o	29.61	+0.09	51	50	-4	NE	3	o	4	56	49	0.24	
†Aberdeen	29.58	53	NE	2	n	29.57	+0.02	52	51	-3	NNE	3	Op	4	56	50	0.16	
Leith	29.57	55	E	2	o	29.52	-0.01	53	52	-5	EHE	2	o	•	67	52	-	
†Shields	29.53	59	SE	1	c	29.42	-1.15	59	58	-1	N	4	n	3	66	51	0.26	
Spurn Head	29.50	60	SE	3	bc	29.30	-2.20	60	60	+2	N	3	bc	2	62	55	0.27	
York	29.52	63	E	1	c	29.33	-2.19	57	57	-1	NNE	1	n	•	64	56	2.20	
Loughborough	29.48	70	SSW	1	o	29.35	-2.15	57	55	-3	W	4	o	•	74	53	0.77	
†Ardrossan	29.51	64	Z	0	c	29.51	-0.04	56	53	-3	EHE	2	om	1	66	53	-	
Malin Head	29.52	56	NE	2	b	29.51	-0.01	55	52	-2	NNE	3	c	4	58	53	-	
†Mullaghmore	29.50	60	E	2	c	29.55	+0.04	56	54	-3	N	4	o	2	62	55	0.03	
Belmullet	29.52	57	NE	3	o	29.60	+1.10	57	55	-2	NNE	5	o	•	61	54	0.01	
Donaghadee	29.52	57	NE	3	c	29.49	-0.06	53	53	-5	NE	6	o	4	63	52	1.01	
Barrow-in-Furness	29.46	62	NE	3	n	29.38	-1.17	55	54	-4	NNE	2	n	•	65	55	0.33	
Liverpool (Bidston)	29.46	62	W	1	c	29.39	-1.17	54	53	-3	W	1	n	2	69	52	0.68	
†Holyhead	29.49	62	NSW	1	bc	29.41	-1.13	55	54	-2	N	1	nm	1	66	52	0.04	
Parsonstown	29.48	63	Z	0	c	29.51	-0.03	55	53	-3	NW	1	Op	•	66	53	0.19	
†Valencia	29.49	59	SW	3	c	29.57	+0.04	57	56	+2	NW	3	Op	3	63	53	0.11	
Roche's Point	29.53	61	SW	3	c	29.46	-0.09	52	52	-2	N	3	n	3	64	47	0.18	
Pembroke	29.52	58	NSW	3	bc	29.44	-1.10	58	56	+2	W	4	bc	4	60	55	-	
†Scilly	29.55	62	W	3	c	29.47	-1.11	58	56	-1	NSW	1	c/p	4	63	55	0.05	
Prawle Point	29.50	57	NW	2	m	29.50	-0.08	56	55	-3	SW	3	bc/p	3	60	52	0.32	
Hurst Castle	29.51	62	SW	6	c	29.52	-0.08	60	58	-1	SW	5	c	4	66	54	0.62	
†Dungeness	29.57	62	SW	4	n	29.46	-1.19	60	57	-2	N	5	bc	•	63	51	0.30	
†London	29.52	64	S	1	cln	29.47	-1.15	60	56	-1	W	3	bc	•	70	54	0.92	
Oxford	29.48	62	SSW	1	n	29.46	-1.14	58	55	-1	SW	2	bc	•	72	52	1.81	
Cambridge	29.52	70	S	1	o	29.42	-2.21	54	54	-7	SW	1	n	•	72	52	1.40	
†Yarmouth	29.57	63	SSW	4	c	29.33	-2.33	62	61	0	SW	2	o	3	64	58	0.67	
The Helder	29.63	65	S	1	o	29.41	-2.29	65	63	+3	SSW	4	c	3	72	57	0.12	
Cape Gris Nez	29.59	64	SW	5	o	29.47	-2.21	59	58	0	W	3	b	6	68	57	0.16	
†Jersey	29.52	63	S	4	n	29.56	-0.07	59	57	-3	SW	4	b	4	65	56	0.27	
Brest	29.58	58	NW	4	o	29.57	?	60	58	-1	SW	4	o	4	64	55	0.47	
Lorient	29.58	61	NW	7	o	29.61	-0.09	61	57	-2	NSW	5	bc	3	70	54	0.08	
†Rochefort	29.75	71	SSW	3	o	29.77	-1.10	62	61	-6	W	5	o	2	77	59	0.35	
Biarritz	29.72	74	NSW	4	bc	29.83	-0.00	64	63	-2	NW	5	n	2	81	63	-	
Coruna	*	*	*	*	*	29.89	+0.04	64	63	-4	SW	5	c	4	72	57	0.08	
Brussels	*	*	*	*	*	29.53	-2.23	59	57	-3	NSW	4	o	•	73	59	0.08	
Chapleville	? 29.95	68	SW	4	c	29.54	-2.26	66	63	+6	NSW	4	o	•	67	57	-	
Paris	29.68	?	NW	3	o	29.68	-1.14	60	57	0	NW	3	o	•	77	59	0.08	
Lyons	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Toulon	29.85	75	NW	1	b	29.81	+0.01	68	67	-1	SE	5	m	3	?	66	-	

## EXPLANATION OF COLUMNS:

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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† These Stations send Reports at 2 p.m. daily (Sundays excepted).

Printed by D. B. & Co. Ltd. London



# WEATHER CHARTS

for 8 a.m. on

Monday, 26<sup>th</sup> JULY

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.

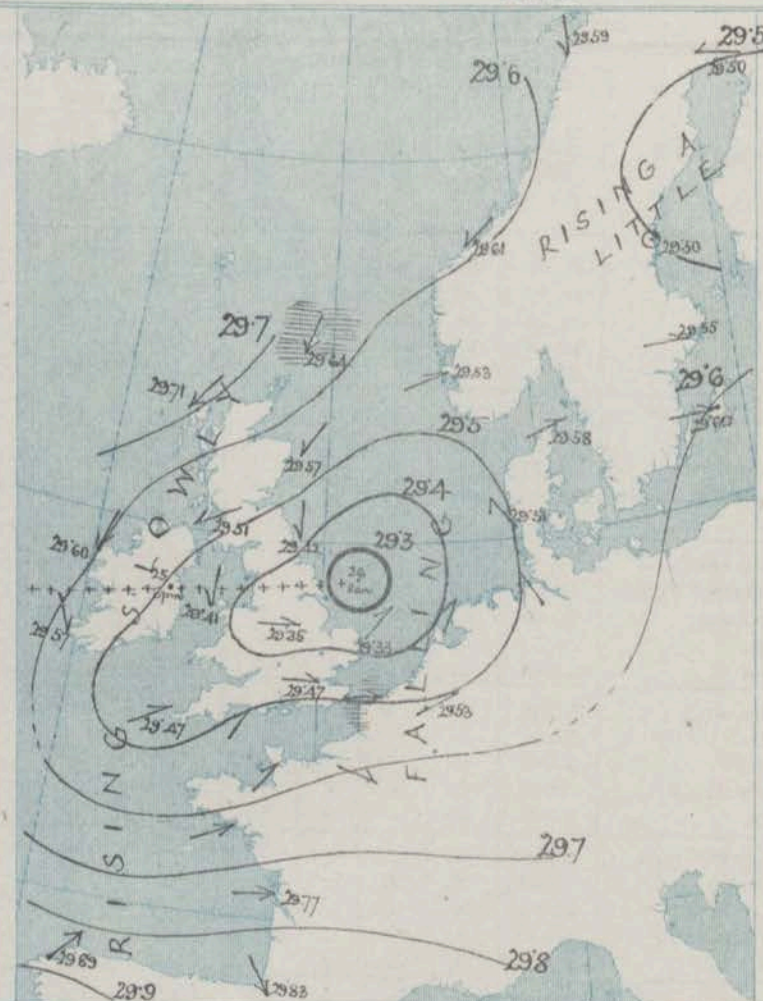
**Sea Disturbance** — where considerable, is shown thus

▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS. In.
Sumburgh Head	29.827
Stornoway	29.798
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Rocha's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



## 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.

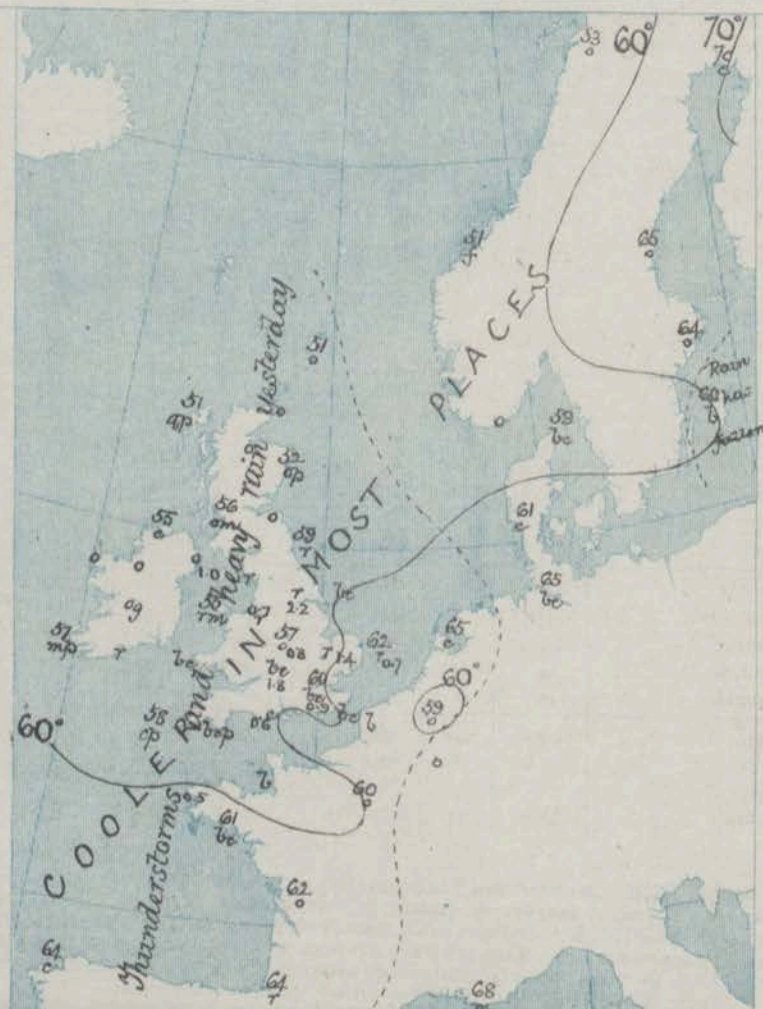
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of July.

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Samburgh Head	57.9	48.5	53.7	52.2	2.09
Stornoway	60.3	49.7	56.4	54.3	3.02
Wick	62.4	49.4	56.2	53.9	2.25
Nairn	65.0	51.6	57.4	53.7	2.57
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	53.8	58.8	55.5	2.63
York	68.1	52.3	59.7	56.5	2.57
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.0	2.67
Holyhead	64.5	55.0	58.3	56.1	2.32
Liverpool	66.4	54.6	59.3	56.1	2.90
Valencia	64.5	53.9	59.0	56.2	3.01
Roche's Point.	68.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.5	56.2	2.31
Scilly	65.0	56.9	60.3	58.2	2.29
Hurst Castle	67.9	56.4	61.7	59.2	2.15
Dover	67.4	57.5	63.0	59.2	1.82
LONDON	73.3	54.2	62.5	58.6	2.17
Oxford	69.9	53.7	60.4	57.1	2.51
Cambridge	72.5	52.8	61.3	58.0	2.30
Yarmouth	66.7	55.5	61.4	58.4	2.68

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





# REMARKS.

for MONDAY 26<sup>th</sup> JULY 1886 at 8 a.m.

A large trough of low pressure still covers the greater part of Northwestern Europe, and in the course of the 24 hours a depression of gradually increasing depth has advanced across Ireland and England to our east coasts. The barometer is now rising at our western and northern stations as well as in Spain and France, but falling elsewhere. Moderate to strong NE<sup>ly</sup> breezes prevail in the west and north, but at our southern and the French station the wind draws into W or SW, while in Denmark and the Netherlands it is S<sup>ly</sup> or SE<sup>ly</sup>. The weather is fine at some of our southern stations, but cloudy or overcast elsewhere, with steady rain over the north of England, and passing showers on our southwest coasts. Since yesterday thunderstorms and heavy rain have been experienced in nearly all parts of the Kingdom, the largest amounts reported this morning being 2.2 ins. at York, 1.8 in. at Oxford, 1.4 ins. at Cambridge, 0.9 in. in London, 0.8 in. at Bournemouth, and 0.7 in. at Liverpool & Lymington. Temperature has fallen a little in most places, and readings over our islands now range from 62° at Lymington to 51° in the Shetlands & Hebrides.

The sea is rather rough at Lumborough Head, but moderate to smooth elsewhere.

The depression in the east will probably move away slowly over the North Sea, but a small shallow disturbance now lying over our southwest coasts is likely to occasion further showers over England.

## ATLANTIC TELEGRAM.

The Chief Signal Officer at Washington U.S. reports that on the 22<sup>nd</sup> inst. in Lat. 43° N., Long. 45° W. the barometer at 6 am fell to 29.6 ins. during a strong gale in which the wind varied from SW. to NW.

## FORECASTS

for the 24 hours ending at NOON on 27<sup>th</sup> JULY 1886.  
(Issued at 11 a.m. on the previous day.)

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
1 { SCOTLAND NORTH	NE <sup>ly</sup> winds, fresh or strong; cloudy, showery.	6 { SCOTLAND WEST	NE <sup>ly</sup> and N <sup>ly</sup> winds, moderate; some rain at first, improving later.
2 { SCOTLAND EAST	NE <sup>ly</sup> and N <sup>ly</sup> winds freshening; cloudy, rain at times.	7 { ENGLAND N. W.	-----D-----D-----D-----
3 { ENGLAND N. E.	-----D-----D-----D-----	8 { ENGLAND S. W.	W <sup>ly</sup> to NW <sup>ly</sup> winds, freshening, changeable, some showers.
4 { ENGLAND EAST	Same as N° 5.	9 { IRELAND NORTH	N <sup>ly</sup> and NW <sup>ly</sup> winds, fresh; changeable, some showers.
5 { MIDLAND COUNTIES	Same as N° 5.	10 { IRELAND SOUTH	-----D-----D-----D-----
6 { ENGLAND SOUTH	W <sup>ly</sup> and SW <sup>ly</sup> winds, moderate or fresh, changeable, some showers.	WARNINGS NONE ISSUED.	



YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wet.	Sea.		Bar.	Dry.	Wet.	Wind.		Wet.	Sea.
Skudesnæs	29.53	55	5	W	2	7	3	Roddefort	29.83	72	68	SW	4	0	2

CONTINENTAL INFORMATION

The Continental Reports for yesterday (Sunday) showed that pressure remained highest over Southern Europe and Africa, while it was lowest over the Baltic and the British Isles, where there were shallow ~~low~~ depressions in various localities. Thus, while W and SW breezes were prevalent over Central Europe and Russia, with fine, warm weather, the wind over the west of France, the British Isles and the Baltic was variable and the weather unsettled and showery. Temperature varied from upward of 80° over Algeria and Sardinia and from 79° at Trieste and Brindisi to but little above 50° in the coast of Norway. The highest 8 a.m. values recorded were 86° at Biskra (Algeria) and 82° at Cagliari, while the lowest were 52° at Christiansund, 53° at Bodö and 54° at Sumburgh H<sup>o</sup> and Stromsøy.

During the day the thermometer rose to 8° at Biarritz and to between 70° and 74° over the inland parts of England.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS

AND THEIR NEIGHBOURHOOD

FROM THE 18<sup>TH</sup> TO 24<sup>TH</sup> JULY. 1886.

In the course of this week the weather over the United Kingdom <sup>(has been changeable and showery)</sup> with a predominance of S and SW winds and varying temperature. Pressure has been on the whole highest over France and North Germany, lowest to the W and NW of our Islands, and while some large depressions have passed N<sup>W</sup> outside our western coasts causing S<sup>W</sup> gales in the west, and rain (more or less) in all districts, there have been minor disturbances advancing NNE<sup>W</sup> across France and the North Sea producing sharp local showers, great variations in wind direction, and some thunderstorms.

Large depressions were observed —

The first lay off our western coasts on the 18<sup>th</sup> and passed N<sup>W</sup> causing strong S<sup>W</sup> breezes in the west, with rain, while fair weather prevailed in the east. A shallow subsidiary to this lay near Cherbourg at 6 p.m. on the 18<sup>th</sup> and passed N<sup>W</sup> to the North Sea. The second approached our W coast early on the 21<sup>st</sup>, and passing N<sup>W</sup> caused stiff S<sup>W</sup> gales in the W., and fresh to strong breezes generally. On reaching the west of Scotland the centre moved NW<sup>W</sup> and travelled out of our area.

Two smaller systems deserve notice.

One appeared over Spain early on the 19<sup>th</sup> and moved N<sup>W</sup> to the German Ocean on the 20<sup>th</sup> causing thunderstorms in the S. and SE. The other appeared off the S. of Ireland early on the 23<sup>rd</sup> passing E<sup>W</sup> brought rainy weather to the S. of England and N. of France and Holland early on the 24<sup>th</sup> after which it moved NE<sup>W</sup> to the Baltic.

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



# DAILY WEATHER REPORT

for Tuesday - 27<sup>th</sup> July 1886.

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

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 8 p.m. and Sea Level.	Temp. in Shade.	WIND.			Weather.	BAROMETER.		SHADE TEMP.			WIND.			Sea. (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.
			Dir.	Force (0 to 12).	Force (0 to 12).		Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12).	Force (0 to 12).			Max.	Min.	
Haparanda	29.52	66	E	2	c	c	29.60	+10	69	65	-1	S	2	6	•	•	79	63	•
Hernösand	29.54	63	S	2	o	o	29.60	+10	62	59	-3	S	0	0	•	•	73	55	•
Stockholm	29.65	63	SW	2	b	b	29.63	+08	64	61	0	S	2	2	•	•	70	57	•
Wisby	29.65	62	S	4	bc	bc	29.60	00	66	63	+3	SE	4	0	•	•	72	57	•
Bodö	29.61	53	WSW	2	o	o	29.61	+02	55	54	+2	S	0	0	•	•	71	50	0.01
Christiansund	29.63	52	NE	8	n	n	29.44	-17	52	49	+1	NE	6	0	3	•	54	46	0.08
†Skudesnaes	29.41	59	ENE	2	n	n	29.38	-15	60	58	+1	SE	4	0	4	•	64	59	•
Oxö (Klansand)	29.44	60	SSW	4	n	n	29.45	-09	60	59	+1	SE	4	0	3	•	61	59	0.59
Skagen (The Skaw)	29.47	63	SW	2	o	o	29.51	-07	61	58	+2	SW	2	6	1	•	64	59	0.12
Fanö	29.50	60	WSW	4	c	c	29.50	-01	66	62	+5	SSW	4	6	•	•	70	59	0.04
Cuxhaven	29.57	67	WSW	3	bc	bc	29.63	?	61	60	-4	S	3	0	•	•	73	59	0.04
†Sumburgh Head	29.65	50	ENE	5	o	o	29.64	00	47	44	-4	N	5	0	5	•	52	44	0.02
†Stornoway	29.80	51	ENE	6	cyp	cyp	29.89	+18	47	46	-4	N	5	0	4	•	56	43	0.08
Wick	29.68	50	ENE	5	o	o	29.76	+10	49	47	-3	N	5	0	4	•	55	45	0.07
Nairn	29.69	50	ENE	4	o	o	29.78	+17	48	47	-3	N	3	0	3	•	55	45	0.14
†Aberdeen	29.57	52	N	5	pa	pa	29.68	+11	47	46	-5	WNW	6	0	7	•	56	45	0.04
Leith	29.58	56	NE	2	o	o	29.74	+22	53	48	0	WNW	1	0	•	•	56	47	•
†Shields	29.46	52	N	4	n	n	29.69	+27	50	47	-9	WNW	4	0	5	•	59	46	1.12
Spurn Head	29.44	57	WNW	4	c	c	29.64	+34	52	51	-8	WNW	5	0	4	•	62	50	0.12
York	29.47	55	WNW	2	n	n	29.70	+37	50	47	-7	NW	3	0	•	•	58	48	0.41
Loughborough	29.49	61	N	3	c	c	29.73	+38	53	50	-4	WNW	3	0	•	•	69	50	0.05
†Ardrossan	29.59	59	N	1	op	op	29.80	+29	52	48	-4	NW	3	0	2	•	60	45	•
Malin Head	29.71	55	ENE	4	m	m	29.88	+37	50	46	-5	WNW	4	0	5	•	58	48	•
†Mullaghmore	29.71	56	WNW	6	o	o	29.93	+38	53	48	-3	NW	5	0	3	•	59	50	0.02
†Belmullet	29.80	55	N	6	cyp	cyp	30.00	+40	53	50	-4	N	4	0	•	•	58	50	0.42
Donaghadee	29.62	53	N	5	o	o	29.84	+35	51	48	-2	ENE	5	0	2	•	55	49	•
Barrow-in-Furness	29.53	53	ENE	2	n	n	29.73	+35	48	47	-1	N	3	0	•	•	60	48	1.43
Liverpool (Bidston)	29.52	56	ENE	3	o	o	29.77	+38	53	48	-1	NW	2	0	4	•	56	52	0.34
†Holyhead	29.57	54	ENE	4	nm	nm	29.81	+40	53	50	-2	WNW	5	0	4	•	55	52	0.05
Parsonstown	29.68	57	NW	1	o	o	29.96	+45	53	49	-2	NW	1	0	•	•	61	49	0.02
†Valencia	29.75	59	WNW	5	cq	cq	30.04	+47	55	52	-2	WNW	3	0	3	•	63	52	•
Roche's Point	29.65	60	N	4	n	n	29.96	+48	55	51	+3	N	4	0	4	•	63	51	0.08
Pembroke	29.55	56	WNW	5	c	c	29.81	+37	53	51	-5	WNW	5	0	4	•	61	53	0.02
†Seilly	29.56	60	NW	5	c	c	29.88	+41	57	54	-1	WNW	5	0	5	•	63	55	0.03
Prawle Point	29.54	58	N	2	c	c	29.81	+31	62	58	+6	NW	2	0	2	•	62	52	0.02
Hurst Castle	29.53	62	WSW	4	bc	bc	29.76	+24	57	55	-3	WNW	3	0	2	•	65	53	•
†Dungeness	29.51	62	WSW	3	bc	bc	29.64	+18	55	63	-5	N	3	0	2	•	65	55	0.02
London	29.51	63	NW	2	c	c	29.71	+24	55	51	-5	WNW	3	0	•	•	68	54	•
Oxford	29.52	61	SW	1	o	o	29.74	+28	54	51	-4	NW	3	0	•	•	68	53	•
Cambridge	29.47	63	SW	2	b	b	29.72	+30	53	51	-1	N	1	0	•	•	70	51	•
†Yarmouth	29.47	66	SW	4	b	b	29.61	+28	55	53	-1	NW	4	0	3	•	68	53	0.02
The Helder	29.52	62	SW	3	b	b	29.56	+15	61	58	-4	WSW	1	0	2	•	66	59	•
Cape Gris Nez	29.55	62	N	1	bc	bc	29.65	+18	57	55	-2	N	5	0	4	•	66	57	0.04
†Jersey	29.55	59	N	3	c	c	29.77	+21	56	55	-3	N	4	0	4	•	64	55	0.06
†Bröst	29.62	60	NW	4	o	o	29.88	+21	59	56	-1	N	5	0	4	•	63	55	0.28
Lorient	29.61	63	N	7	bc	bc	29.86	+25	59	57	-2	NW	7	0	4	•	68	54	0.04
†Rochefort	29.78	63	WSW	7	o	o	29.88	+11	62	60	0	N	7	0	3	•	77	55	0.24
Biarritz	29.90	64	N	8	n	n	30.00	+17	63	59	-1	WSW	8	0	5	•	75	59	0.83
Corunna	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	71	57	0.04
†Brussels	*	*	*	*	*	*	29.62	+09	59	56	0	SW	4	0	•	•	71	57	0.04
†Charleville	29.70	66	SSW	4	bc	bc	29.67	+13	59	54	-7	WSW	4	0	•	•	69	56	•
Paris	29.65	65	SSW	1	c	c	29.73	+05	58	56	-2	SW	3	0	•	•	74	58	0.16
Lyons	29.75	64	WNW	3	bc	bc	29.84	+09	63	60	0	WSW	1	0	•	•	69	58	1.66
†Toulon	29.76	72	SE	1	m	m	29.78	-03	65	57	-3	NW	7	0	4	•	72	63	0.04

## EXPLANATION OF COLUMNS:

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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).  
 ‡ These Stations send Reports at 2 p.m. daily (Sundays excepted). § Received too late for insertion in Charts.

Printed by the Meteorological Office, 116, Victoria Street, London.



# WEATHER CHARTS

for 8 a.m. on

Tuesday, 27<sup>th</sup> JULY

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.

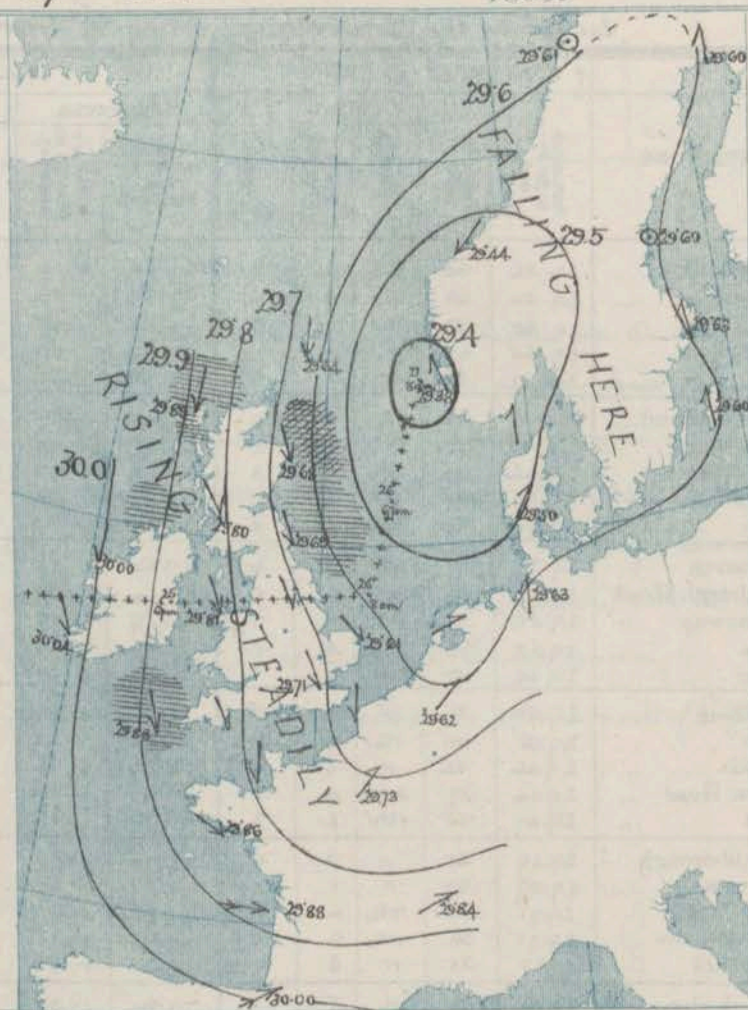
**Sea Disturbance** — where considerable, is shown thus

▨ = Rough. ▨ = High.

## MEAN HEIGHT of the BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.827
Stornoway	29.799
Wick	29.813
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Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



## 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.

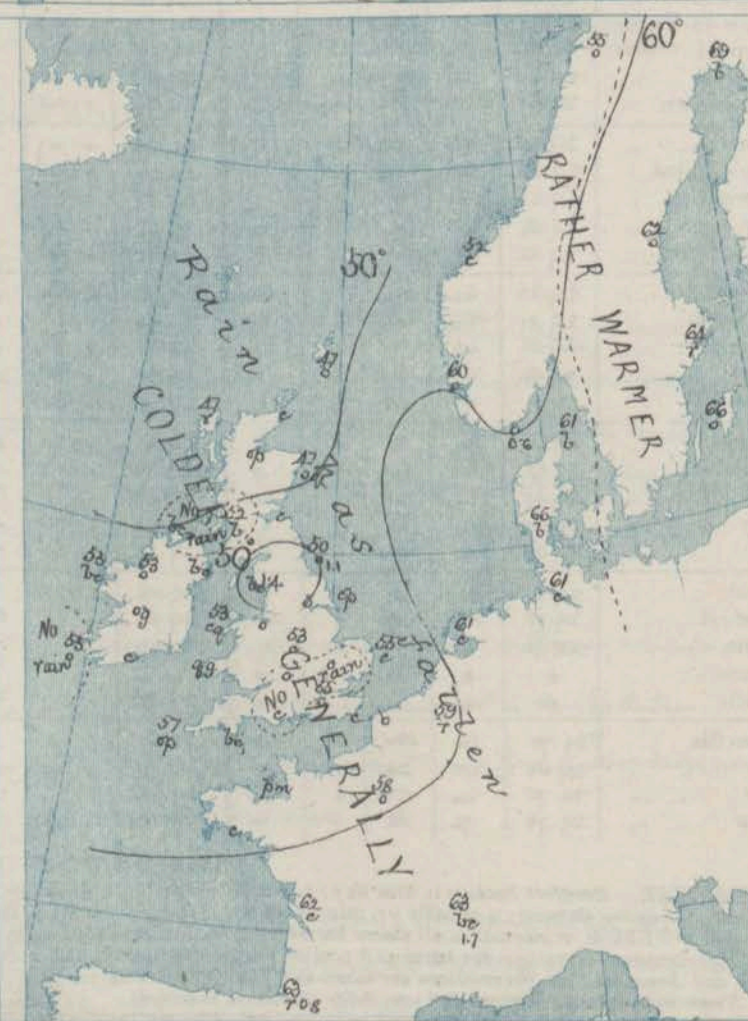
**Rainfall** A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of July

STATIONS	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
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Nairn	65.0	51.6	57.4	53.7	2.57
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	53.6	58.8	55.5	2.63
York	66.1	52.3	59.7	56.5	2.57
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.9	2.67
Holyhead	64.5	55.0	58.3	56.1	2.32
Liverpool	66.4	54.6	59.8	56.1	2.99
Valencia	64.5	53.9	59.0	56.2	3.91
Roche's Point	63.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.5	56.2	2.31
Scilly	65.0	56.9	60.3	58.2	2.29
Hurst Castle	67.0	56.4	61.7	59.2	2.15
Dover	67.4	57.5	63.0	59.2	1.82
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Yarmouth	66.7	55.5	61.4	58.4	2.68

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





## REMARKS.

for Tuesday 27<sup>th</sup> JULY

1886 at 8 a.m.

The depression which lay off the East of England yesterday has moved away in a NNE<sup>1</sup> direction to the neighbourhood of Skudersnaes, and the barometer is now rising at all but the Norwegian stations and Lumburgh Head, where a slight fall is in progress. S<sup>1</sup> or SSE<sup>2</sup> breezes are reported on the eastern shores of the North Sea, but in our Islands the wind has shifted to NW. or N., while in France it remains N<sup>1</sup> or SW<sup>1</sup>; in force it is fresh or strong on our north and north-west coasts, while in the southern part of the Bay of Biscay it blows a slight gale. The weather is cloudy or overcast at most stations, with rain at Stornoway and Biarritz, and passing showers at Kaim Spinn Head, and Scilly. In the course of the past 24 hours rain has fallen over the greater part of the Kingdom, the largest amounts being 1.4 ins. at Barrow-in-Thames and 1.1 ins. at Shields. In the south of France thunderstorms have occurred, with 1.7 ins. of rain at Lyons and 0.8 in. at Biarritz. Temperature has risen slightly on the eastern shores of the North Sea, but fallen elsewhere; readings over our Islands now range from 62° at Howle Point to 47° at Lumburgh Head, Stornoway, and Aberdeen. The sea is high at Aberdeen, and rather rough at Lumburgh Hd., Shields, Malin Head and Scilly, but moderate to smooth elsewhere.

The depression in the N. seems likely to move in a N<sup>W</sup> or NW<sup>2</sup> direction, and improving weather is probable over England.

## FORECASTS

for the 24 hours ending at NOON on 28<sup>th</sup> JULY 1886.  
(Issued at 11 a.m. on the previous day.)

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
0	{ SCOTLAND NORTH	N <sup>W</sup> to NW <sup>W</sup> winds, strong; dull, some rain.	6	{ SCOTLAND WEST	NW <sup>W</sup> winds, moderate; fair generally, but perhaps some showers.
1	{ SCOTLAND EAST	-----D-----D-----D-----	7	{ ENGLAND N. W.	-----D-----D-----D-----
2	{ ENGLAND N. E.	NW <sup>W</sup> winds, moderate or fresh; cloudy, some showers.	8	{ ENGLAND S. W.	-----D-----D-----D-----
3	{ ENGLAND EAST	-----D-----D-----D-----	9	{ IRELAND NORTH	N <sup>W</sup> to NW <sup>W</sup> winds, fresh or strong; cloudy, some showers.
4	{ MIDLAND COUNTIES	Same as N <sup>o</sup> 5.	10	{ IRELAND SOUTH	Same as N <sup>os</sup> 6 to 8.
5	{ ENGLAND SOUTH	N <sup>W</sup> to NW <sup>W</sup> winds, moderate; fair generally, but some showers.	WARNINGS		The North Cone was hoisted last evening in districts D & part of 1.



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes	29.48	64	58	NW	4	e	3	Holyhead	29.49	55	55	NNE	3	nm	2
Sumburgh Head	29.65	51	47	NNE	5	o	5	Valencia	29.67	63	60	NNE	5	cq	5
Stornoway	29.76	54	51	NE	6	c q p	5	Scilly	29.53	61	56	NW	5	e	4
Aberdeen	29.57	55	53	N	5	d p	4	Dungeness	29.51	64	60	NNE	5	bc	4
Shields	29.42	59	58	N	4	n	4	London	29.50	65	59	W	3	o p	#
Ardrossan	29.56	59	55	N	2	o	1	Yarmouth	29.44	67	58	N	5	bc	3
Malin Head	29.62	57	54	NNE	4	bc	5	Jersey	29.54	60	58	NSW	3	c	3
Mulhaghmore	29.64	59	55	N	6	o	4	Rochefort	29.86	68	62	NSW	7	e	3
Belmullet	29.72	56	53	N	6	o	*								

## REMARKS.

The depression noticed off the east of England this morning is moving away over the North Sea and the barometer is rising at all stations excepting Skudesnaes. The wind has veered to N. at Yarmouth and to NW. at Scilly, but elsewhere it is little changed. Rain is still falling at Shields and Holyhead and passing showers at Stornoway, Aberdeen, and in London. The sea is rather rough at Sumburgh Head, Stornoway, and Valencia.

## CONTINENTAL INFORMATION

The Continental reports have not arrived.



# DAILY WEATHER REPORT

for *Wednesday - 28<sup>th</sup> JULY 1886.*

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

Issued by the Meteorological Office, No. Victoria Street, London, W. N. 5001. Saturday.																		
STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 3 p.m. and Sea Level.	Temp. in Shade.	WIND.		Weather	BAROMETER.		SHADE TEMP.			WIND.			Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force (0 to 12).		Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12).	Weather.		Max.	Min.		
Haparanda	29.66	65	S	2	b	29.68	+ .08	68	64	-	1	S	6	o	*	75	63	-
Hernösand	29.58	62	S	2	o	29.57	- .02	63	62	+	1	Z	0	f	*	64	59	-
Stockholm	29.62	64	Z	0	o	29.57	- .05	64	60	-	3	Z	0	o	*	68	57	0.51
Wisby	29.60	64	SW	2	bc	29.58	- .02	62	59	-	4	W	4	o	*	77	59	0.12
Bodö	29.48	55	NE	2	r	29.50	- .11	57	56	+	2	WSW	4	c	*	57	54	0.20
Christiansund	29.48	54	WSW	3	f	29.60	+ .16	51	49	-	1	NN	3	f	*	57	46	0.04
Skudesnaes	29.44	57	NNW	4	r	29.63	+ .25	52	49	-	8	NN	8	r	*	57	47	0.59
Oxö (Klansand)	29.52	57	SSE	4	r	29.49	+ .04	59	57	-	1	NNE	3	r	*	66	55	0.04
Skagen (The Skaw)	29.53	62	S	3	o	29.51	- .02	57	55	-	4	SW	3	o	*	66	55	0.39
Fanö	29.58	56	SW	6	c	29.65	+ .15	55	53	-	11	WSW	6	o	*	68	54	0.04
Cuxhaven	29.65	63	SW	2	c	29.88	+ .25	59	58	-	2	NN	6	bc	*	68	55	0.20
Sumburgh Head	29.74	46	N	5	r	29.83	+ .19	46	44	-	1	N	4	r	*	50	43	0.05
Stornoway	29.98	53	NNW	5	c	30.01	+ .12	50	49	+	3	NN	4	cp	*	55	46	0.32
Wick	29.85	50	N	4	c	29.94	+ .18	50	47	+	1	N	3	o	*	54	41	0.02
Nairn	29.91	52	N	3	c	29.99	+ .21	52	48	+	4	NN	2	bc	*	58	45	0.07
Aberdeen	29.83	52	NNW	5	c	29.94	+ .26	54	49	+	7	NN	4	bc	*	54	45	0.01
Leith	29.88	59	NNW	2	c	30.00	+ .26	55	49	+	2	NN	1	bm	*	63	45	0.01
Shields	29.87	53	NNW	3	c	30.02	+ .23	55	49	+	5	W	3	b	*	56	42	-
Spurn Head	29.86	54	NN	5	bc	30.03	+ .39	55	52	+	3	NNW	4	bc	*	55	50	0.01
York	29.88	54	N	1	o	30.04	+ .24	52	49	+	2	NNW	1	b	*	57	44	0.03
Loughborough	29.91	55	NNW	3	o	30.10	+ .27	54	50	+	1	W	3	b	*	59	49	-
Ardrossan	29.90	58	NN	3	bc	30.03	+ .23	55	51	+	3	NNW	3	b	*	62	44	-
Malin Head	30.02	52	NNW	3	c	30.11	+ .23	54	50	+	4	SE	2	b	*	55	50	-
Mullaghmore	30.05	55	NNW	5	cn	30.10	+ .17	53	49	+	0	SSE	2	o	*	57	50	-
Belmullet	30.03	53	N	3	o	30.07	+ .07	55	51	+	2	SSE	3	bc	*	56	49	-
Donaghadee	29.98	54	N	6	b	30.08	+ .24	54	51	+	3	NNE	3	b	*	57	44	-
Barrow-in-Furness	29.90	55	NN	3	c	30.02	+ .29	52	50	+	4	N	1	bc	*	56	48	0.05
Liverpool (Bidston)	29.94	54	NNW	3	bc	30.06	+ .29	52	49	-	1	W	4	c	*	58	49	-
Holyhead	29.98	53	NNW	3	b	30.09	+ .28	55	51	+	2	NN	3	bc	*	57	50	-
Parsonstown	30.06	58	NN	1	c	30.12	+ .16	54	50	+	1	Z	0	c	*	59	47	-
Valencia	30.13	57	NN	2	c	30.12	+ .08	55	53	+	0	SSE	1	o	*	62	52	0.03
Roche's Point	30.06	59	NNW	4	bc	30.14	+ .18	56	52	+	1	SSE	1	c	*	62	50	-
Pembroke	30.03	54	NNW	3	c	30.12	+ .21	56	52	+	3	NNW	1	c	*	58	53	-
Seilly	30.06	58	NN	5	c	30.16	+ .28	59	58	+	2	NNW	2	o	*	59	55	-
Prawle Point	30.01	58	NN	3	bc	30.05	+ .24	58	55	-	4	W	2	b	*	62	48	-
Hurst Castle	29.95	60	NNE	2	bc	30.13	+ .27	57	53	+	0	NNW	2	bc	*	62	49	-
Dungeness	29.87	58	N	3	o	30.06	+ .42	56	52	+	1	NNW	3	b	*	61	46	-
London	29.92	56	NN	3	o	30.09	+ .38	56	50	+	1	NN	2	b	*	61	45	-
Oxford	29.98	53	NN	2	b	30.11	+ .37	55	50	+	1	W	1	b	*	59	44	-
Cambridge	29.90	53	N	1	o	30.09	+ .37	53	51	+	0	W	1	c	*	59	46	-
Yarmouth	29.88	53	NN	4	cp	30.04	+ .43	55	50	+	0	NN	3	bc	*	63	47	0.01
The Helder	29.78	55	NN	5	o	29.96	+ .40	54	50	-	7	NN	5	o	*	61	54	0.04
Cape Gris Nez	29.91	57	N	4	o	30.07	+ .42	55	50	-	2	NN	3	b	*	63	52	-
Jersey	29.99	58	NN	4	c	30.17	+ .40	58	53	+	2	NN	2	bc	*	62	51	-
Brest	30.09	57	N	5	o	30.21	+ .33	57	54	-	2	Z	0	bc	*	61	54	-
Lorient	30.08	61	NN	7	o	30.25	+ .39	57	53	-	2	NNW	3	bc	*	66	48	-
Rochefort	30.10	66	WNW	8	b	30.26	+ .38	59	54	-	3	NNW	5	c	*	68	54	-
Biarritz	30.17	67	W	7	c	30.25	+ .25	65	60	+	2	NNW	4	c	*	68	61	0.02
Corunna	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Brussels	*	*	*	*	*	30.06	+ .44	56	52	-	3	WSW	3	o	*	64	52	0.24
Charleville	29.84	60	NN	4	o	30.13	+ .46	53	51	-	6	NN	4	b	*	56	51	-
Paris	29.94	62	NNW	4	c	30.12	+ .39	58	56	-	0	NNW	3	o	*	70	54	0.48
Lyons	29.92	63	E	1	t	30.16	+ .32	59	54	-	4	N	1	o	*	70	54	0.24
Toulon	29.87	68	NN	8	b	29.97	+ .19	60	54	-	5	NN	9	m	*	73	59	-

## EXPLANATION OF COLUMNS.

**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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).  
 ‡ These Stations send Reports at 2 p.m. daily (Sundays excepted).



# WEATHER CHARTS

for 8 a.m. on Wednesday. 28<sup>th</sup> JULY 1886.

## BAROMETER, WIND & SEA.

(Explanation of Map)

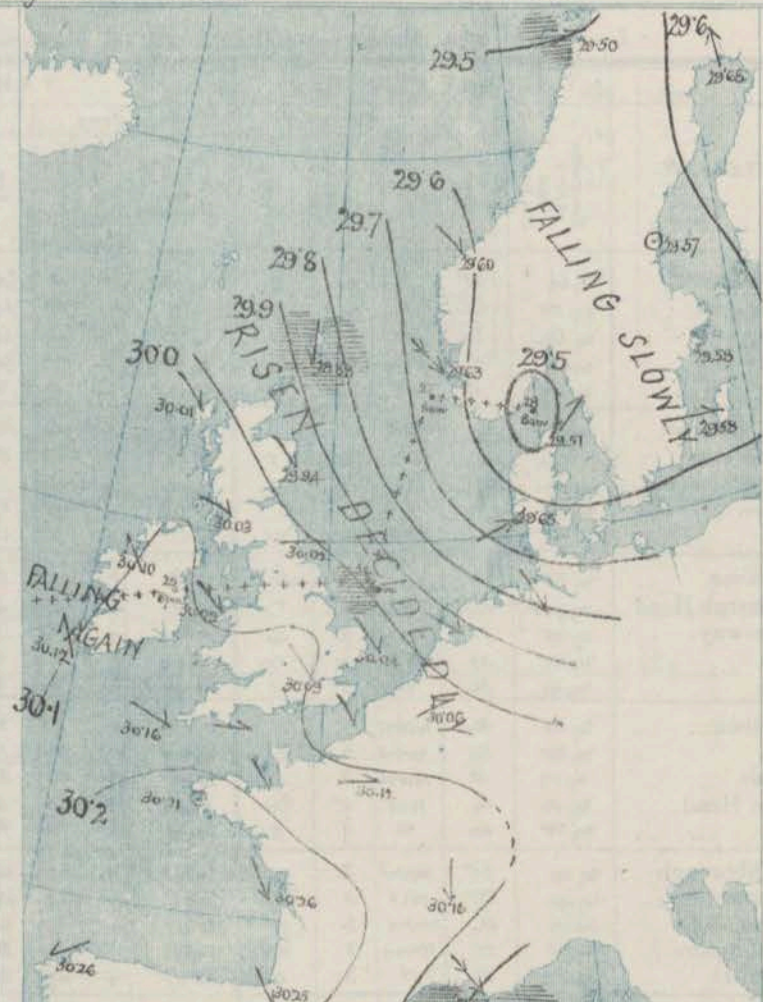
**Barometer** — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 — = forces above 10, — = forces 8 to 10,  
 — = forces 5 to 7, —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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.827
Stornoway	29.799
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



## 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 July

STATIONS	TEMPERATURE				RAINFALL. (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.7	52.2	2.09
Stornoway	60.3	49.7	56.4	54.3	3.02
Wick	62.4	49.4	56.2	53.9	2.25
Nairn	65.0	51.6	57.4	53.7	2.57
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	53.6	58.8	55.5	2.63
York	68.1	52.3	59.7	56.6	2.57
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.9	2.67
Holyhead	64.5	55.0	58.3	56.1	2.32
Liverpool	66.4	54.6	59.8	56.1	2.99
Valencia	64.5	53.9	59.0	56.2	3.91
Roche's Point	68.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.5	56.2	2.31
Scilly	65.0	56.9	60.3	58.2	2.29
Hurst Castle	67.9	56.4	61.7	59.2	2.15
Dover	67.4	57.5	63.0	59.2	1.82
LONDON	73.3	54.2	62.5	58.6	2.17
Oxford	69.9	53.7	60.4	57.1	2.51
Cambridge	72.5	52.8	61.3	58.0	2.30
Yarmouth	66.7	55.5	61.4	58.4	2.68

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





# REMARKS.

for *Wednesday 28<sup>th</sup> July 1886* at 8 a.m.

The depression noticed off the southwest of Norway yesterday is apparently filling up over the Skager Rack. Readings now vary from 30.25 in. over the west of France to 29.5 in. in the south of Norway and to 30.1 in. in the west of Ireland; but, while the barometer is rising decidedly in the north and east, it has begun to fall again in the west.

Temperature is low generally, this morning's values ranging from 58° over France and from between 52° and 55° over the inland parts of England to 50° in the north of Scotland and to 46° at Lumburgh Head. In London the thermometer fell to 45° in the shade and 38° on the grass early this morning. The wind is generally NW<sup>ly</sup>, and is light to fresh in force on our own coast, but blows a gale at Skudesnass. In Ireland, however, the wind has backed to SE., but is light at present.

Rain has fallen at the northern and northeastern stations, and the fall continues in the south of Norway. In most other places the weather is fair, but at Malinbeg and Scilly it has become overcast. The sea is rather rough at Lumburgh Head, Spurn Head and Ceechaven, moderate at the other eastern stations, smooth in the west.

The depression in the northeast appears to be filling up, but the fresh fall of the barometer in the west, accompanied by SSE<sup>ly</sup> winds points to the approach of some new disturbance towards our western coast.

## FORECASTS

for the 24 hours ending at NOON on *29<sup>th</sup> July 1886.*  
(Issued at 11 a.m. on the previous day.)

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	Wind backing to S <sup>W</sup> , fair at first, showery later.	6 { SCOTLAND WEST	S <sup>W</sup> to W <sup>W</sup> breezes freshening; weather becoming wet and unsettled.
1 { SCOTLAND EAST	.....D.....D.....D.....	7 { ENGLAND N.W.	.....D.....D.....D.....
2 { ENGLAND N.E.	Same as N <sup>o</sup> 5.	8 { ENGLAND S.W.	.....D.....D.....D.....
3 { ENGLAND EAST	Same as N <sup>o</sup> 5.	9 { IRELAND NORTH	.....D.....D.....D.....
4 { MIDLAND COUNTIES	Same as N <sup>o</sup> 5.	10 { IRELAND SOUTH	.....D.....D.....D.....
5 { ENGLAND SOUTH	W <sup>W</sup> winds, with fair, cool weather, then SW <sup>ly</sup> or S <sup>ly</sup> , warmer, but less settled - probably showery.	WARNINGS	NONE ISSUED.



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.															
	Bar.	Dry.	Wet.	Wind.		Wen.	Sea.		Bar.	Dry.	Wet.	Wind.		Wen.	Sea.
Skudesnaes	29.41	60	57	SSE	4	0	3	Holyhead	29.93	55	50	NNW	4	c	3
Sumburgh Head	29.68	50	46	N	5	0	5	Valencia	30.10	61	56	NW	3	bcv	3
Stornoway	29.96	54	48	NNW	5	bc	4	Scilly	30.02	58	57	N	6	0	6
Aberdeen	29.78	54	50	N	8	cq	6	Dungeness	29.79	61	55	N	4	c	2
Shields	29.78	54	53	NNW	4	op	5	London	29.84	59	53	NNW	3	0	*
Ardrossan	29.85	60	54	WNW	4	b	3	Yarmouth	29.76	55	52	NW	4	c	4
Malin Head	29.99	53	49	NNW	3	c	3	Jersey	29.93	61	58	NW	5	c	4
Mullaghmore	30.02	56	51	NW	5	c	3	Rocheport	29.97	67	61	NNW	8	c	3
Belmullet	30.07	55	49	NW	4	c	*								

## REMARKS.

The barometer continues to rise generally, and little change has taken place in the winds excepting at Aberdeen, where a fresh N<sup>3</sup> gale has sprung up. Fair, cool weather is reported at most stations. The sea is rough at Aberdeen and Scilly, rather so at Sumburgh Hd and Shields, moderate to smooth elsewhere.

## CONTINENTAL INFORMATION.

Yesterday morning Continental reports showed that pressure varied from a little above 30.1 ins: over Portugal and a little above 30.0 ins: over the west of France to about 29.4 ins: over the south of Norway. A large "hollow" covered nearly the whole of Europe with the Mediterranean, and in this there were two minima over near Skudesnaes and the over the Gulf of Genoa. N<sup>3</sup> or NW winds and cool showery weather consequently prevailed in Western Europe, especially over the British Isles, but over Austria, Western Russia, and the Balkan Peninsula the weather was finer and warmer. Temperature had fallen in the W. and NW. and varied from between 77° and 82° over the Adriatic and SE<sup>m</sup> Europe and from upwards of 70° over Finland and N<sup>m</sup> Russia to between 55° and 60° over Central France and to rather below 50° over Scotland. The highest readings recorded at 8 am were 86° at Biskra (Algeria), 81° at Brindisi, and 72° at Uleaborg; the lowest were 50° at York, 48° at Akm, and 47° at Stornoway and Sumburgh Hd.

During the day the thermometer did not rise above 63° at any of the English stations, nor above 70° over Central France but reached 75° to 77° in Sweden. The maximum at Haparanda was 5° higher than that at Lyons.



# DAILY WEATHER REPORT

for Thursday - 29<sup>th</sup> July 1886.

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

Issued by the Meteorological Office, No. 1, Victoria St., London, W.																				
† YESTERDAY EVENING.							8 A.M. TO DAY.							PAST 24 HOURS.						
STATIONS.	Barometer at 3 p.m. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Wet.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	SHADE TEMP.		Amount of Rainfall.
			Dir.	Force. (0 to 12.)		Reading at 3 p.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)						Wet.	Max.	
Haparanda	29.56	71	SE	6	0	29.65	- .03	67	63	- 1	S	4	0	•	73	63	-	64	59	0.59
Hernösand	29.57	60	WNW	2	0	29.71	+ .14	62	59	- 1	WNW	2	0	•	68	57	0.43	70	57	-
Stockholm	29.63	59	SSE	2	c	29.74	+ .16	62	59	+ 1	SW	2	0	•	70	57	-	70	57	-
Wisby	29.63	60	SW	4	bc	29.73	+ .15	58	53	- 4	W	4	0	•	57	48	0.12	57	48	0.12
Bodö	29.62	51	WSW	2	h	29.73	+ .23	51	50	- 6	WSW	4	0	•	57	48	0.12	57	48	0.12
Christiansund	29.71	51	NNE	2	f	29.85	+ .25	52	48	+ 11	WNW	2	c	3	52	46	0.08	52	46	0.08
†Skudesnaes	29.78	51	WNW	6	h	29.88	+ .25	51	48	- 1	WNW	6	h	4	51	50	-	51	50	-
Oxö (Åtinaand)	29.65	57	W	6	b	29.81	+ .32	55	49	- 4	W	6	bc	3	63	52	0.04	63	52	0.04
Skagen (The Skaw)	29.60	56	WNW	4	bc	29.70	+ .19	56	51	- 1	W	6	bc	3	64	54	0.04	64	54	0.04
Fanö	29.91	52	W	6	c	30.01	+ .36	53	49	- 2	W	6	c	•	59	52	0.08	59	52	0.08
Cuxhaven	30.02	60	WNW	6	h	30.12	+ .24	60	59	+ 1	WNW	5	bc	•	60	57	0.02	60	57	0.02
†Sumburgh Head	29.91	46	WNW	4	c	29.96	+ .13	47	43	+ 1	WNW	3	0	3	51	42	-	51	42	-
†Stornoway	30.01	52	ESE	2	d	29.90	- .11	53	50	+ 3	SE	4	0	4	57	44	0.07	57	44	0.07
Wick	30.01	50	N	3	b	29.98	+ .04	54	49	+ 4	S	1	bc	1	54	30	-	54	30	-
Nairn	29.98	56	NNE	2	b	29.92	- .07	55	53	+ 3	NE	1	bc	1	62	44	-	62	44	-
†Aberdeen	30.01	54	SSW	3	c	30.00	+ .06	53	50	- 1	SE	2	c	2	61	48	-	61	48	-
Leith	29.98	60	W	1	c	29.95	- .05	60	53	+ 5	S	1	bc	•	68	48	-	68	48	-
†Shields	30.02	54	SE	2	c	29.99	- .03	56	51	+ 1	WSW	2	0	3	59	48	-	59	48	-
Spurn Head	30.05	57	ESE	3	c	30.03	0.00	57	54	+ 2	ESE	1	bc	4	60	53	-	60	53	-
York	30.06	59	WSW	1	bc	30.04	0.00	55	50	+ 3	SSW	1	0	•	65	48	-	65	48	-
Loughborough	30.09	61	W	2	c	30.05	- .05	56	53	+ 2	SE	2	0	•	67	51	-	67	51	-
†Ardrossan	30.03	56	SSW	2	c	29.94	- .09	55	53	0	ESE	2	0	2	63	48	-	63	48	-
Malin Head	30.02	54	ESE	3	0	29.86	- .25	53	52	- 1	SSE	2	0	2	57	50	0.04	57	50	0.04
†Mullaghmore	29.99	56	SE	2	0	29.81	- .29	56	54	+ 3	ESE	4	0	2	61	52	0.11	61	52	0.11
Belmullet	29.95	54	S	4	0	29.78	- .29	59	57	+ 4	S	3	0	•	59	49	0.14	59	49	0.14
Donaghadee	30.06	54	SSW	2	c	29.92	- .16	53	53	- 1	S	3	h	1	58	51	0.14	58	51	0.14
Barrow-in-Furness	30.08	55	WSW	2	bc	30.00	- .02	53	50	+ 1	SE	4	0	•	59	51	0.02	59	51	0.02
Liverpool (Bidston)	30.09	56	WNW	1	c	29.98	- .08	52	51	0	SE	2	h	2	59	51	0.02	59	51	0.02
†Holyhead	30.09	55	SSW	2	c	29.92	- .17	55	55	0	SSE	3	h	2	60	53	0.08	60	53	0.08
Parsonstown	30.03	58	SW	1	h	29.82	- .30	59	57	+ 5	SSW	1	0	•	62	46	0.16	62	46	0.16
†Valencia	30.00	58	SE	4	0	29.85	- .27	61	59	+ 6	WSW	2	bc	2	61	54	0.02	61	54	0.02
Roche's Point	30.03	57	SSW	4	0	29.82	- .32	60	59	+ 4	WNW	1	0	4	61	54	0.02	61	54	0.02
Pembroke	30.11	57	SSW	2	c	29.89	- .23	58	58	+ 2	SSE	6	0	5	59	55	0.03	59	55	0.03
†Seilly	30.11	61	S	2	0	29.92	- .24	61	61	+ 2	SW	4	0	4	64	57	0.08	64	57	0.08
Prawle Point	30.16	57	WSW	3	c	30.05	- .10	56	56	- 2	SSW	4	h	4	62	54	0.01	62	54	0.01
Hurst Castle	30.15	59	WSW	5	c	30.10	- .03	61	58	+ 4	SW	4	bc	2	62	55	-	62	55	-
†Dungeness	30.14	60	W	5	c	30.12	+ .06	60	58	+ 4	W	3	bc	2	64	56	-	64	56	-
†London	30.14	61	W	1	0	30.10	+ .01	61	56	+ 5	S	3	0	•	65	52	-	65	52	-
Oxford	30.11	58	SW	1	c	30.09	- .04	57	54	+ 2	S	1	0	•	63	53	-	63	53	-
Cambridge	30.10	64	W	1	b	30.08	- .01	59	55	+ 6	S	1	0	•	64	50	-	64	50	-
†Yarmouth	30.09	58	ESE	3	bc	30.05	+ .04	58	54	+ 3	SW	1	0	3	59	50	-	59	50	-
The Helder	30.10	56	WNW	3	b	30.10	+ .14	59	53	+ 6	SW	1	0	1	63	55	0.04	63	55	0.04
Cape Gris Nez	30.12	58	W	5	b	30.13	+ .06	57	55	+ 2	WSW	4	0	3	63	56	-	63	56	-
†Jersey	30.18	60	WSW	2	bc	30.11	- .06	60	56	+ 1	S	4	0	3	63	56	-	63	56	-
Brest	30.18	66	SSW	4	0	30.10	- .11	60	58	+ 3	SSW	5	0	4	63	54	0.04	63	54	0.04
Lorient	30.21	63	SW	4	b	30.15	- .10	61	57	+ 4	S	3	0	2	70	52	-	70	52	-
†Rochefort	30.28	65	WNW	5	b	30.21	- .03	58	55	- 1	SE	4	0	2	73	52	-	73	52	-
Biarritz	30.22	69	N	4	b	30.18	- .07	61	58	- 4	E	3	0	1	72	54	-	72	54	-
Cornwall	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Brussels	*	*	*	*	*	30.19	+ .13	57	52	+ 1	WSW	5	0	•	60	49	-	60	49	-
Charleville	30.16	61	NW	4	0	30.20	+ .07	54	51	+ 1	WNW	3	0	•	67	57	-	67	57	-
Paris	30.19	61	WNW	3	c	30.23	+ .11	52	50	+ 6	S	1	0	•	70	52	-	70	52	-
Lyons	30.16	66	NNE	4	b	30.21	+ .05	60	53	+ 1	WNW	1	0	•	69	52	-	69	52	-
Toulon	29.47	67	NW	7	m	30.04	+ .07	72	60	+ 12	E	1	0	•	73	59	-	73	59	-

## EXPLANATION OF COLUMNS:

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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).  
 ‡ These Stations send Reports at 2 p.m. daily (Sundays excepted).



# WEATHER CHARTS

for 8 a.m. on Thursday, 29<sup>th</sup> JULY 1886.

## BAROMETER, WIND & SEA.

(Explanation of Map)

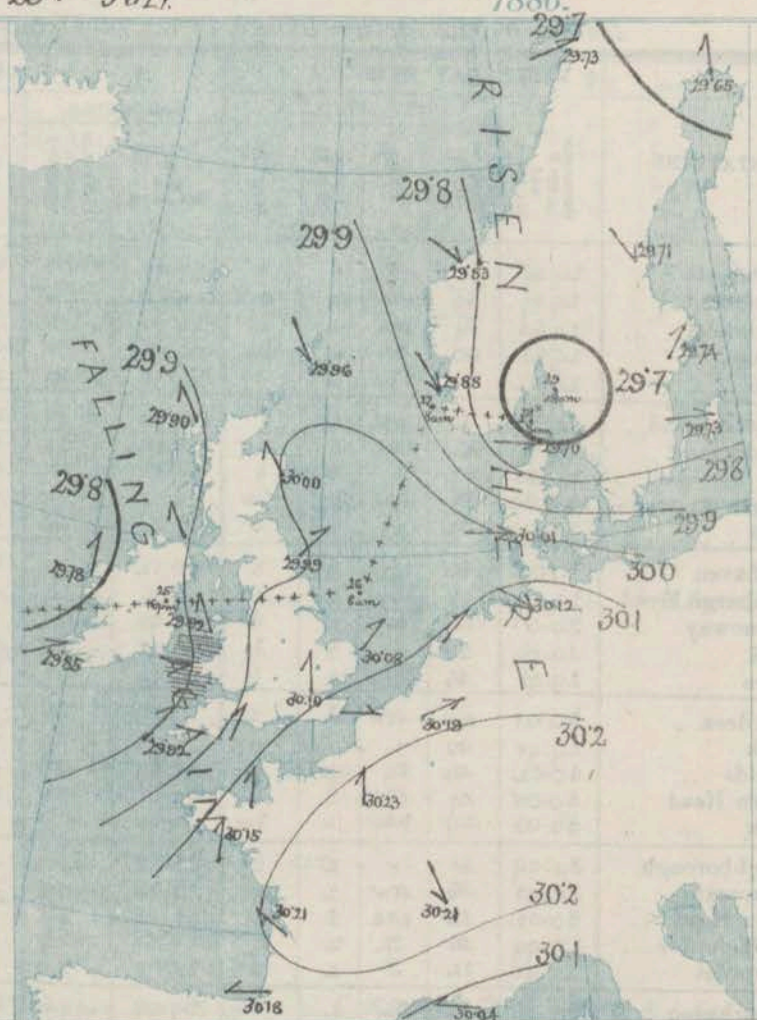
**Barometer**—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind**—Arrows show the prevalent winds. They fly with the wind and their bows and feathers refer to force, thus—  
 — = force above 10, — = forces 8 to 10,  
 — = forces 5 to 7, — = forces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

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

## MEAN HEIGHT of the BAROMETER

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

STATIONS	MEAN READINGS. in.
Sumburgh Head	29.827
Stornoway	29.799
Wick	29.818
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



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

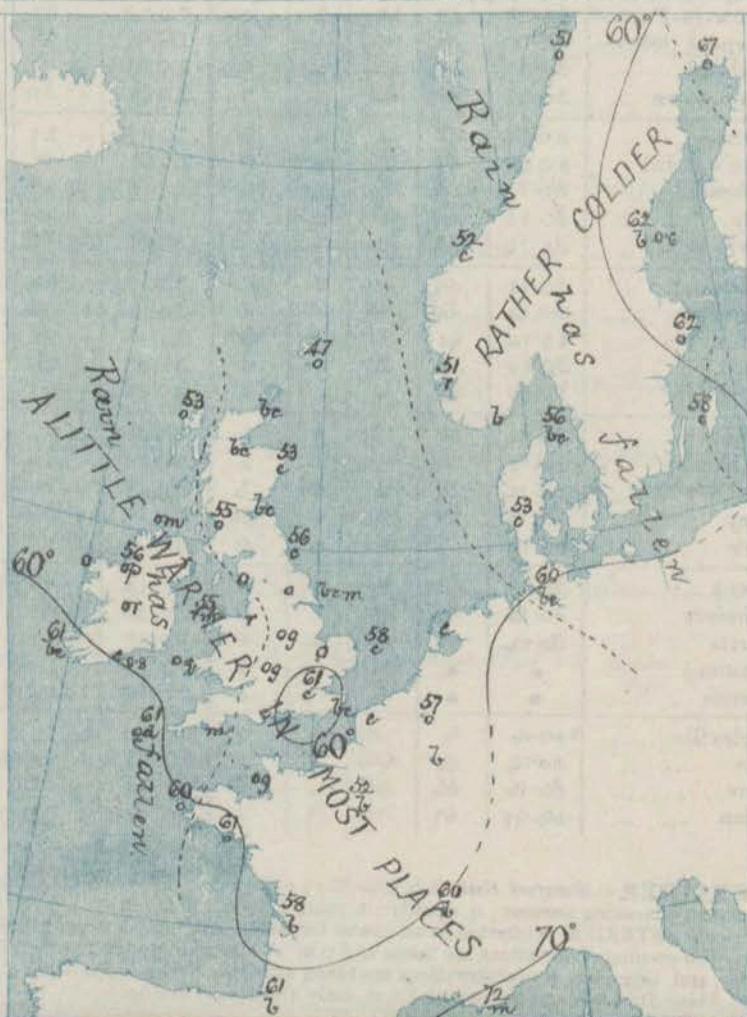
**Temperature**—Isotherms are drawn for each 10° changes since previous morning are stated in words.  
**Weather**—is shown by Letters of the Beaufort Scale.  
**Rainfall**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are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

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of July

STATIONS	TEMPERATURE.				RAINFALL (Inches)
	Daily Max	Daily Min.	At 8 a.m.		
			Dry.	Wet	
Sumburgh Head	57.9	48.5	53.7	52.2	2.09
Stornoway	60.3	49.7	56.4	54.3	3.02
Wick	62.4	49.4	56.2	53.9	2.25
Nairn	65.0	51.6	57.4	53.7	2.57
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	53.6	58.8	55.5	2.63
York	68.1	52.3	59.7	56.5	2.57
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.9	2.67
Holyhead	64.5	55.0	58.3	56.1	2.32
Liverpool	66.4	54.8	59.8	56.1	2.99
Valencia	64.5	53.9	59.0	56.2	3.91
Roche's Point	68.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.5	56.2	2.31
Scilly	65.0	56.9	60.3	58.2	2.29
Hurst Castle	67.9	56.4	61.7	59.2	2.15
Dover	67.4	57.5	63.0	59.2	1.82
LONDON	73.3	54.2	62.5	58.6	2.17
Oxford	69.9	53.7	60.4	57.1	2.51
Cambridge	72.5	52.8	61.3	58.0	2.30
Yarmouth	66.7	55.6	61.4	58.4	2.68

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





# REMARKS.

for *Thursday 29<sup>th</sup> July* 1886 at 8 a.m.

In the course of the past twenty-four hours the barometer has risen in Scandinavia, Denmark, and the Netherlands, and the depression in the neighbourhood of the Skager Rack has continued to disperse slowly. Over our islands and the west of France, however, the barometer has again fallen, and some new disturbances have appeared over our western coasts. Strong breezes from W. or NW. are reported on the eastern shores of the North Sea, but in the north of our islands the wind is light or moderate from the SE<sup>wd</sup>, while at our southern and the French stations it is chiefly SW<sup>ly</sup>. The weather is dull and rainy in the west, but generally fine elsewhere; at Jersey a solar halo was observed this morning. Temperature has risen a little in most parts of the Kingdom, and readings now range from 61° at Valencia, Sicily, and in London to 47° in the Shetlands. At Wick the sheltered thermometer last night is reported to have fallen to 30°. The sea is rather rough at Pembroke, but moderate to smooth elsewhere.

The depressions in the west will probably move eastwards and occasion rain over the greater part of the Kingdom.

## FORECASTS

for the 24 hours ending at NOON on 30<sup>th</sup> July 1886.  
(Issued at 11 a.m. on the previous day.)

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	SE <sup>ly</sup> and E <sup>ly</sup> winds, moderate; cloudy, rain locally	6 { SCOTLAND WEST	Same as N° 0.
1 { SCOTLAND EAST	SE <sup>ly</sup> winds, light; fair to unsettled and some rain.	7 { ENGLAND N. W.	SE <sup>ly</sup> to SW <sup>ly</sup> winds, moderate; dull, rain at times.
2 { ENGLAND N. E.	.....D.....D.....D.....	8 { ENGLAND S. W.	SW <sup>ly</sup> winds, moderate to W <sup>ly</sup> strong; squally, some rain.
3 { ENGLAND EAST	Same as N° 5.	9 { IRELAND NORTH	Same as N° 1.
4 { MIDLAND COUNTIES	Same as N° 5.	10 { IRELAND SOUTH	S <sup>ly</sup> to W <sup>ly</sup> winds, increasing in force; unsettled, some rain.
5 { ENGLAND SOUTH	SW <sup>ly</sup> and W <sup>ly</sup> winds, freshening; unsettled, some rain.	WARNINGS	The South Cone was hoisted last evening in districts 8 and 10.



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes	29.73	54	53	NW	8	0	4	Holyhead	30.11	57	49	W	3	6	2
Sumburgh Head	29.88	49	45	NRW	4	c	4	Valencia	30.06	59	57	SSE	4	c	4
Stornoway	30.02	57	53	NW	3	0	2	Scilly	30.16	64	57	SSW	2	0	3
Aberdeen	30.00	60	53	NRW	5	6	3	Dungeness	30.12	61	55	W	3	6c	2
Shields	30.04	55	48	E	2	c	4	London	30.13	63	53	NRW	2	c	*
Ardrossan	30.04	59	54	NRW	2	6	1	Yarmouth	30.10	57	52	NRW	1	6c v	4
Malin Head	30.05	56	51	EHE	2	c	2	Jersey	30.19	62	57	W	3	6	3
Mullaghmore	30.04	58	51	SSE	1	0 v	2	Rocheport	30.29	70	57	NRW	4	6	2
Belmullet	30.03	54	53	S	3	0 n	*								

## REMARKS.

The barometer is now falling at all the Irish stations, with light or moderate <sup>W</sup> breezes and cloudy or dull weather. Elsewhere the mercury continues to rise, the wind is light from W. or NW. and the weather fine. The sea is moderate to smooth.

## CONTINENTAL INFORMATION.

The Continental Reports have not arrived.



# DAILY WEATHER REPORT

for *Friday* — 30<sup>th</sup> July 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.			
Haparanda	29.76	61	SW	2	0	29.77	+ .12	62	59	- 5	N	2	0	•	72	61	-		
Hernösand	29.82	60	SW	0	0	29.79	+ .08	63	60	+ 1	SW	0	0	•	70	54	0.24		
Stockholm	29.80	59	S	2	0	29.87	+ .13	58	55	- 4	SW	2	0	•	66	54	0.08		
Wisby	29.84	58	W	6	0	29.87	+ .14	57	51	- 1	W	4	6c	•	63	55	-		
Bodö	29.94	51	NW	2	0	29.96	+ .23	53	50	+ 2	NNE	2	0	1	54	46	-		
Christiansund	29.95	50	NE	4	6	29.95	+ .10	50	46	- 2	NE	3	2c	2	52	45	0.08		
† Skudesnaes	29.95	52	NW	2	0	29.89	+ .01	55	49	+ 4	NW	2	0	3	55	48	-		
Oxö (Xtiansand)	29.90	52	W	6	6	29.91	+ .10	54	48	- 1	NW	6	6	3	59	48	-		
Skagen (The Skaw)	29.86	54	W	5	6	29.92	+ .22	57	51	+ 1	N.W.	4	6c	2	59	52	-		
Fanö	30.02	57	NW	4	c	29.97	- .04	60	59	+ 7	SW	2	0	•	61	52	-		
Cuxhaven	30.14	59	S	1	0	30.06	- .06	61	60	+ 1	SSE	1	6	•	61	58	-		
† Sumburgh Head	29.97	50	ESE	1	c	29.86	- .10	50	46	+ 3	E	4	0	3	52	45	-		
† Stornoway	29.82	52	NE	2	2	29.72	- .18	51	51	- 2	ESE	1	0	3	54	49	0.57		
Wick	29.91	52	S	4	0	29.77	- .21	52	50	- 2	SE	4	2	1	57	47	-		
Nairn	29.83	57	E	1	c	29.73	- .19	50	50	- 5	E	1	2	1	61	49	0.01		
† Aberdeen	29.91	52	ESE	3	0	29.71	- .29	51	51	- 2	E.NE	3	0	3	58	49	0.26		
Leith	29.88	57	SE	1	0	29.69	- .26	53	53	- 7	E	1	0	•	62	51	0.21		
† Shields	29.87	53	E	3	0	29.70	- .29	57	56	+ 1	SW	3	0	3	57	52	0.17		
Spurn Head	29.92	60	S	4	c	29.78	- .25	59	58	+ 2	S	4	0	•	61	56	0.02		
York	29.88	59	S	2	0	29.79	- .25	59	58	+ 4	S	1	0	•	60	53	0.24		
Loughborough	29.90	61	S	4	0	29.76	- .29	59	58	+ 3	SSE	1	2p	•	64	55	0.03		
† Ardrossan	29.79	58	E	2	0	29.70	- .24	55	54	0	E.NE	1	0	1	58	52	0.29		
Malin Head	29.72	55	W	2	0p	29.69	- .17	55	54	+ 2	SSW	1	6	2	60	51	0.46		
† Mullaghmore	29.76	59	W	3	c	29.71	- .10	56	55	0	WSW	2	0	2	66	55	0.08		
Belmullet	29.78	60	W	3	6c	29.72	- .06	56	53	- 3	W	3	6c	•	61	51	0.25		
Donaghadee	29.77	55	SE	3	0	29.72	- .20	55	54	+ 2	E.NE	2	0	0	58	52	0.37		
Barrow-in-Furness	29.77	59	S	5	0	29.73	- .27	56	55	+ 3	SW	3	0	•	59	52	0.61		
Liverpool (Bidston)	29.79	61	S	2	0	29.73	- .25	59	55	+ 7	SSE	1	0	1	62	52	0.46		
† Holyhead	29.79	56	SSW	4	0	29.72	- .20	55	55	0	SW	1	0	2	60	54	0.87		
Parsonstown	29.80	62	NW	1	0	29.72	- .10	55	54	- 4	NW	1	0	•	66	52	0.15		
† Valencia	29.82	58	SSW	2	0p	29.71	- .14	57	56	- 4	NW	1	0p	1	64	55	0.13		
Roche's Point	29.82	57	NW	3	0	29.68	- .14	57	57	- 3	S	2	0	3	63	52	0.40		
Pembroke	29.86	58	WSW	4	0	29.72	- .17	57	57	- 1	W	1	0	1	60	56	0.05		
† Scilly	29.90	62	SW	3	c	29.72	- .20	62	60	+ 1	SW	1	0	2	65	56	0.33		
Prawle Point	29.94	60	SSW	4	c	29.75	- .30	58	57	+ 2	SW	3	0p	3	61	55	0.02		
Hurst Castle	29.98	63	SW	4	6c	29.78	- .32	62	60	+ 1	SSW	3	0	2	65	59	-		
† Dungeness	30.00	63	SW	3	c	29.81	- .31	61	60	+ 1	S	3	0	3	66	60	-		
† London	30.00	63	SSW	2	c	29.79	- .31	64	60	+ 3	W	1	0	•	67	57	-		
Oxford	29.93	61	S	2	0	29.77	- .30	61	59	+ 4	SW	2	0p	•	63	56	0.01		
Cambridge	29.95	63	SSW	2	c	29.77	- .31	65	62	+ 6	S	1	0	•	67	54	-		
† Yarmouth	29.99	64	SSW	2	6	29.83	- .25	62	60	+ 4	S	4	6c	3	64	56	-		
The Helder	30.06	61	SW	1	c	29.91	- .19	61	56	+ 2	SSE	1	0	2	66	57	-		
Cape Gris Nez	30.05	64	SSW	1	6c	29.88	- .25	65	59	+ 8	E	5	6	4	70	57	-		
† Jersey	29.99	65	S	4	6c	29.80	- .31	60	59	+ 1	SSW	3	0p	3	67	58	-		
Brest																			
Lorient	30.04	64	S	4	c	29.83	- .32	63	61	+ 2	SW	3	0	1	70	54	-		
† Rochefort	30.09	70	NW	4	6	29.89	- .32	68	60	+ 10	ESE	5	0	2	81	61	-		
Biarritz	29.98	62	E.NE	5	6	29.86	- .32	69	67	+ 8	W	5	6	1	86	61	-		
Cornuina	*	*	*	*	*	29.93	- .19	65	62	+ 1	ESE	3	0	1	75	52	-		
Brussels	*	*	*	*	*	29.95	- .24	65	59	+ 8	SSE	1	0	•	70	55	-		
Charleville																			
Paris	30.08	71	S	1	6	30.00	- .23	63	58	+ 11	SSE	1	6c	•	72	55	-		
Lyons	30.10	72	E.NE	1	6	30.02	- .19	64	59	+ 4	SSE	1	6	•	74	55	-		
Toulon																			

## EXPLANATION OF COLUMNS.

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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for 8 a.m. on Friday, 30<sup>th</sup> July 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 July  
During the 10 Years 1871—1880.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.827
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Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



## 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.

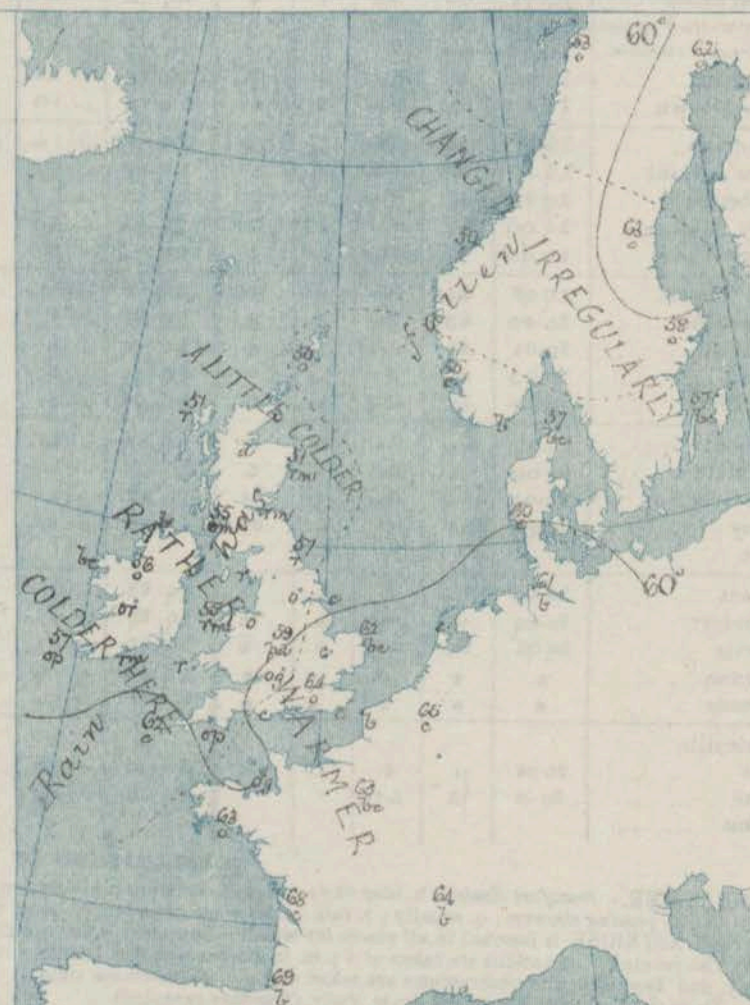
**Rainfall** — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

for the month of July

STATIONS	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.7	52.2	2.09
Stornoway	60.3	49.7	56.4	54.3	3.02
Wick	62.4	49.4	56.2	53.9	2.25
Nairn	65.0	51.6	57.4	53.7	2.67
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	53.6	58.8	55.5	2.63
York	68.1	52.3	59.7	56.5	2.57
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.9	2.67
Holyhead	64.5	55.0	58.3	56.1	2.32
Liverpool	66.4	54.6	59.8	56.1	2.99
Valencia	64.5	53.9	59.0	56.2	3.91
Roche's Point	68.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.5	56.2	2.81
Scilly	65.0	56.9	60.3	58.2	2.29
Hurst Castle	67.9	56.4	61.7	59.2	2.15
Dover	67.4	57.5	63.0	59.2	1.82
LONDON	73.3	54.2	62.5	58.6	2.17
Oxford	69.9	53.7	60.4	57.1	2.51
Cambridge	72.5	52.8	61.3	58.0	2.30
Yarmouth	66.7	55.5	61.4	58.4	2.68

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





# REMARKS.

for Friday 30<sup>th</sup> JULY

1886 at 8 a.m.

In the course of the past twenty-four hours the barometer has fallen steadily at all but the Scandinavian stations, and a shallow depression is now lying over the south of Scotland, while a smaller disturbance has appeared over the south-east of Ireland. Pressure is highest over Central Europe, but a band of relatively high readings extends northwards over Denmark and Norway. The wind is N in the west of Norway and variable in Ireland, but over England and France it is S or SW, while in Scotland it draws into SE or E. The weather is fair at our extreme south-eastern and most of the Continental stations, but dull elsewhere, with rain in many places. In the course of the past twenty-four hours rain has fallen in most parts of the Kingdom, the largest amounts being 0.9 in. at Holyhead, 0.6 in. at Harrow in Surrey and 0.5 in. at Malin Head and Liverpool. Temperature has risen a little over England and the north of Ireland, but fallen elsewhere; readings over our Islands now range from 65° at Cambridge to 50° at Lumburg Head and Kair. The sea is slight or smooth generally.

The depressions over our western and northern coasts seem likely to move slowly northwards, but conditions are very unsettled and other disturbances will probably appear in the west shortly.

## FORECASTS

for the 24 hours ending at NOON on 31<sup>st</sup> JULY 1886.  
(Issued at 11 a.m. on the previous day.)

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	E <sup>ly</sup> winds, light or moderate; cloudy, rain at times.	6 { SCOTLAND WEST	Same as N <sup>o</sup> 0 & 1.
1 { SCOTLAND EAST	.....D.....D.....D.....	7 { ENGLAND N. W.	Same as N <sup>o</sup> 2.
2 { ENGLAND N. E.	SE <sup>ly</sup> & S <sup>ly</sup> winds, light; dull, unsettled, some rain.	8 { ENGLAND S. W.	SW <sup>ly</sup> & S <sup>ly</sup> winds, light; dull, rain at times.
3 { ENGLAND EAST	Same as N <sup>o</sup> 5.	9 { IRELAND NORTH	Variable or W <sup>ly</sup> winds; cloudy, some rain.
4 { MIDLAND COUNTIES	Same as N <sup>o</sup> 2.	10 { IRELAND SOUTH	Same as N <sup>o</sup> 8.
5 { ENGLAND SOUTH	S <sup>ly</sup> winds, light; fair generally, but local showers.	WARNINGS	NONE ISSUED.



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes	29.93	55	50	NW	6	0	4	Holyhead	29.81	58	58	SSW	4	Am	3
Sumburgh Head	29.98	50	45	NSE	1	6c	2	Valencia	29.85	63	60	SW	3	0	3
Stornoway	29.86	53	52	SE	3	0d	3	Scilly	29.92	64	62	trSW	3	of	5
Aberdeen	29.96	55	51	SE	4	c	2	Dungeness	30.06	65	62	SW	3	6c	2
Shields	29.96	56	50	SSW	3	h	3	London	30.04	65	58	SEW	3	0	*
Ardrossan	29.86	58	58	E	3	h	2	Yarmouth	30.05	62	57	S	4	6c	3
Malin Head	29.75	58	57	SE	1	0	2	Jersey	30.05	66	61	S	3	6c	3
Mullaghmore	29.77	57	56	N	5	op	2	Rocheport	30.16	77	66	trSW	3	6	2
Belmullet	29.78	60	56	N	3	6c	*								

## REMARKS.

The barometer has ceased falling in the extreme west and southwest and the wind there has veered slightly. Elsewhere a decrease of pressure is still in progress and the winds are unchanged. Rain is reported at many of our northern stations, but in the extreme southeast of England the weather remains fine. The sea is rather rough at Scilly, slight elsewhere.

## CONTINENTAL INFORMATION.

Yesterday morning's reports showed that pressure was highest (30.1 ins. to 30.2 ins.) over Spain, France, and the western part of Germany, while it was low over the Atlantic, over Northern Europe, and over Turkey. In the west the barometer was falling, but in the north and east it was inclined to rise. Thus, while SW winds prevailed at all the western stations, N and NW breezes were felt in other places, the weather being cloudy, and somewhat showery in most districts. Temperature varied from 77° and upwards over Italy, the Adriatic, and Turkey to very little above 50° over several parts of France and England and to below 50° in the Shetlands. The highest individual readings reported were 81° at Brindisi and Palma, and 73° at Archangel, the lowest 51° at Rodø and Skudesnaes and 47° at Sumburgh Head.

In the course of the day the thermometer did not rise above 67° at any of our own stations, but reached 86° at Biarritz, and 81° at Rochefort.



# DAILY WEATHER REPORT

for Saturday - 31<sup>st</sup> July 1883.

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

† YESTERDAY EVENING.														8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.	Barometer at 3 p.m. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9)	SHADE TEMP.											
			Dir.	Force (0 to 12).		Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12).			Max.	Min.	Amount of Rainfall.									
Haparanda	29.76	56	N	2	0	29.69	-0.08	56	52	-6	N	4	0	*	66	55	-									
Hernösand	29.84	60	N	0	bc	29.83	+0.04	60	58	-3	NW	2	0	*	68	58	0.12									
Stockholm	29.91	58	N	2	b	29.89	+0.02	63	59	+5	SSW	2	0	*	77	52	-									
Wisby	29.88	61	N	4	b	29.84	-0.03	64	59	+7	WSW	4	0	*	68	55	-									
Bodö	29.87	53	NNE	2	0	29.81	-0.15	56	54	+3	N	0	0	0	7	52	-									
Christiansund	29.86	53	N	6	0	29.73	-0.22	56	52	+6	EHE	1	0	1	?	46	-									
† Skudesnaes	29.74	57	SSE	6	N	29.59	-0.30	58	55	+3	ESE	4	N	3	?	55	0.59									
Oxö († Christiansand)	29.87	58	E	1	0	29.67	-0.24	58	58	+4	ESE	6	N	3	?	55	0.59									
Skagen (The Skaw)	29.88	60	SSW	2	0	29.88	-0.23	61	59	+4	S	3	0	1	63	58	0.04									
Fanö	29.76	61	ESE	4	0	29.58	-0.30	62	60	+2	ESE	4	0	*	68	59	-									
Cuxhaven	29.89	67	SSE	1	b	29.62	-0.44	69	67	+8	SE	3	0	*	72	?	-									
† Sumburgh Head	29.71	51	EHE	4	0	29.52	-0.34	52	52	+2	N	1	0	3	53	47	0.05									
† Stornoway	29.81	51	EHE	4	N	29.71	-0.01	50	49	-1	N	3	0	2	57	46	0.23									
Wick	29.70	51	N	3	0	29.60	-0.14	52	49	0	NW	4	0	2	52	42	0.07									
Nairn	29.70	49	ESE	1	N	29.68	-0.08	51	50	+1	SSW	1	0	1	54	46	0.10									
† Aberdeen	29.65	52	NW	4	0	29.62	-0.09	54	50	+3	NW	3	0	2	54	46	0.06									
Leith	29.65	56	SSE	1	0	29.63	-0.06	54	51	+1	SE	1	0	*	57	50	0.02									
† Shields	29.65	54	NNE	2	N	29.66	-0.04	53	50	-4	NW	3	0	3	62	49	0.18									
Spurn Head	29.62	62	N	2	c	29.64	-0.04	55	53	-4	NW	4	0	3	63	53	0.06									
York	29.59	60	N	1	0	29.66	-0.13	55	52	-4	N	1	0	*	62	52	0.16									
Loughborough	29.64	70	WSW	1	0	29.67	-0.09	57	55	-2	NW	2	0	*	70	54	0.07									
† Ardrossan	29.64	60	N	1	bc	29.66	-0.04	58	55	+3	N	3	0	2	63	50	-									
Malin Head	29.65	59	NW	2	b	29.69	-0.00	55	54	0	NW	2	0	2	61	51	0.13									
† Mullaghmore	29.70	59	NW	4	bc	29.73	+0.02	57	55	+1	NW	4	0	3	62	56	0.06									
† Belmullet	29.73	58	NW	3	0	29.77	+0.05	57	54	+1	NW	3	0	*	62	53	0.03									
Donaghadee	29.68	58	N	2	0	29.71	-0.01	57	55	+2	NW	4	0	2	59	47	-									
Barrow-in-Furness	29.65	56	N	2	0	29.66	-0.07	56	55	0	NW	3	0	*	58	55	0.03									
Liverpool (Bidston)	29.66	56	NW	1	N	29.69	-0.04	57	54	-2	N	3	0	4	61	54	0.08									
† Holyhead	29.68	57	N	0	0	29.73	+0.01	58	56	+3	N	1	0	2	60	52	0.04									
Parsonstown	29.70	60	N	0	c	29.78	+0.06	57	54	+2	N	0	0	*	65	52	0.01									
† Valencia	29.76	60	NW	3	bc	29.86	+0.15	58	56	+1	NW	3	0	3	63	52	0.18									
Roche's Point	29.70	59	N	2	bc	29.80	+0.12	57	54	0	NW	3	0	3	61	51	0.18									
Pembroke	29.69	57	NW	2	c	29.78	+0.06	57	55	0	NW	2	0	1	60	52	0.02									
Seilly	29.71	61	NW	2	c	29.83	+0.11	60	55	-2	NW	4	0	4	63	56	0.06									
Prawle Point	29.70	58	SW	1	N	29.77	+0.02	59	57	+1	NW	2	0	2	64	51	0.22									
Hurst Castle	29.69	61	SW	4	c	29.73	-0.05	60	58	-2	NW	3	0	2	66	54	0.03									
† Dungeness	29.70	59	N	2	0	29.65	-0.16	60	59	-1	NW	2	0	1	64	56	0.11									
London	29.66	66	SSW	2	c	29.68	-0.21	59	56	-5	NW	2	0	*	73	56	0.03									
Oxford	29.66	60	SW	1	N	29.70	-0.07	57	55	-4	NW	1	0	*	67	55	0.18									
Cambridge	29.64	65	S	1	0	29.65	-0.12	59	57	-6	N	1	0	*	71	55	0.02									
† Yarmouth	29.67	64	S	3	c	29.60	-0.23	56	55	-6	NW	3	0	3	67	55	0.02									
The Helder	29.73	64	S	1	c	29.54	-0.37	61	59	0	WSW	1	0	2	72	?	0.32									
Cape Gris Nez	29.71	62	SSW	1	0	29.77	-0.03	60	57	0	NW	3	0	3	65	57	0.05									
† Jersey	29.71	61	NW	5	0	29.82	+0.01	58	56	-2	NW	5	0	4	66	57	-									
Brest	29.71	61	NW	5	0	29.82	+0.01	58	56	-2	NW	5	0	4	66	57	-									
Lorient	29.74	63	SW	4	N	29.86	+0.03	60	57	-3	NW	5	0	3	70	54	0.04									
† Rochefort	29.91	66	NW	5	c	29.93	+0.04	64	61	-4	N	8	0	3	82	59	0.16									
Biarritz	29.94	68	NW	7	N	29.98	+0.12	63	60	-6	WSW	7	0	2	82	61	0.51									
Coruna	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*									
Brussels	*	*	*	*	*	29.65	-0.30	59	58	-6	SSW	5	0	*	72	59	0.91									
Charleville	29.75	75	SSE	4	0	29.72	-0.28	62	59	+5	WSW	7	0	*	83	52	0.47									
Paris	29.71	76	SSE	3	0	29.73	-0.27	62	61	-1	SW	3	0	*	84	59	0.39									
Lyons	29.82	77	SSW	2.5	0	29.93	-0.09	57	54	-7	S	3	0	*	82	55	0.16									
Toulon	29.99	67	SE	4	m	29.91	-0.15	79	65	+12	E	1	m	2	81	59	-									

## EXPLANATION OF COLUMNS.

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, Norway, and Denmark, the observations are taken at 8 p.m. (Christiania time).  
 ‡ These Stations send Reports at 2 p.m. daily (Sundays excepted).



# WEATHER CHARTS

for 8 a.m. on Saturday 31<sup>st</sup> JULY

1886.

## BAROMETER, WIND & SEA.

(Explanation of Map)

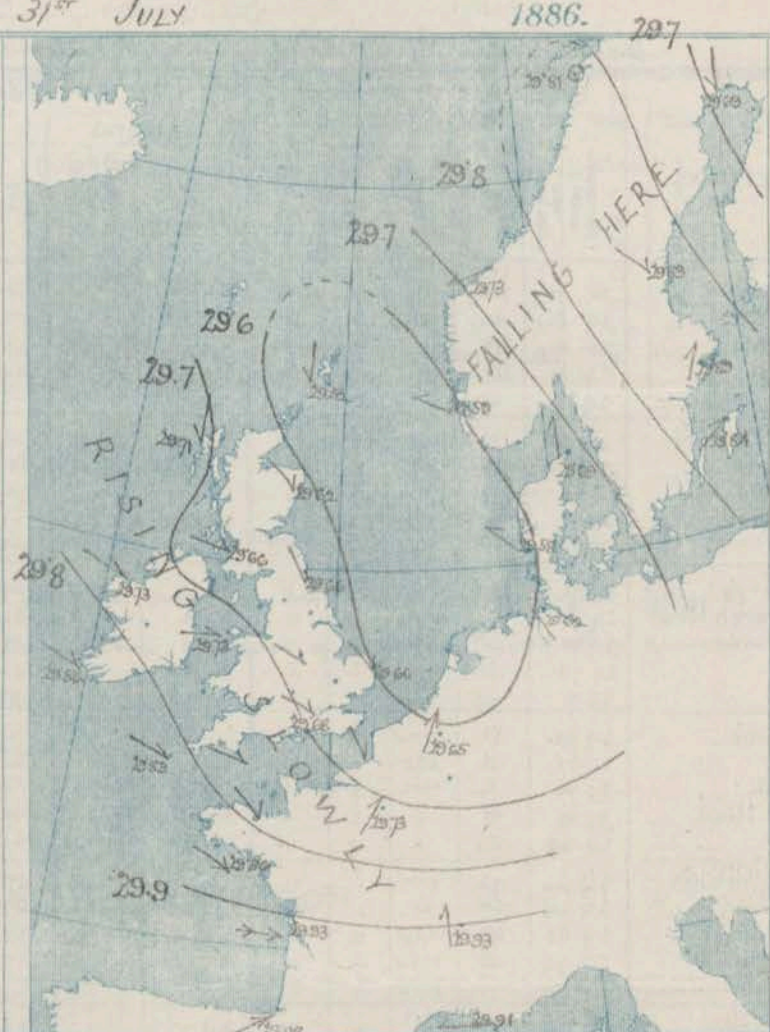
**Barometer** — Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.  
**Wind** — Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force, thus —  
 — = forces above 10; — = forces 8 to 10;  
 — = forces 5 to 7; —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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.827
Stornoway	29.799
Wick	29.813
Nairn	29.824
Aberdeen	29.829
Leith	29.848
Shields	29.873
York	29.902
Ardrossan	29.864
Donaghadee	29.878
Holyhead	29.914
Liverpool	29.910
Valencia	29.944
Roche's Point	29.940
Pembroke	29.942
Scilly	29.986
Hurst Castle	29.961
Dover	29.959
LONDON	29.955
Oxford	29.941
Cambridge	29.937
Yarmouth	29.934



## 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 July

STATIONS	TEMPERATURE				RAINFALL. (Inches)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.7	52.2	2.09
Stornoway	60.3	40.7	56.4	54.3	3.02
Wick	62.4	49.4	56.2	53.9	2.25
Nairn	65.0	51.6	57.4	53.7	2.57
Aberdeen	64.4	51.7	57.9	54.4	2.74
Leith	68.0	52.0	59.1	55.9	2.84
Shields	64.6	52.6	58.8	55.5	2.63
York	68.1	52.3	59.7	56.5	2.57
Ardrossan	64.0	53.8	57.8	54.8	2.91
Donaghadee	62.9	52.0	57.7	55.9	2.67
Holyhead	64.5	55.0	58.3	56.1	2.32
Liverpool	66.4	54.6	59.8	56.1	2.99
Valencia	64.5	53.9	59.0	56.2	3.91
Roche's Point	68.2	53.9	59.1	56.0	3.16
Pembroke	64.0	55.4	58.5	56.2	2.31
Scilly	65.0	56.9	60.3	58.2	2.29
Hurst Castle	67.9	56.4	61.7	59.2	2.15
Dover	67.4	57.5	63.0	59.2	1.82
LONDON	73.3	54.2	62.5	58.6	2.17
Oxford	69.9	53.7	60.4	57.1	2.51
Cambridge	72.5	52.8	61.3	58.0	2.30
Yarmouth	66.7	55.5	61.4	58.4	2.68

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





for Saturday 31<sup>st</sup> JULY 1886 at 8 a.m.

The rise of the barometer in the west of Ireland is not at all decided, and the general conditions are therefore still somewhat unsettled.

for the 24 hours ending at NOON on 1<sup>st</sup> August 1886.  
(Issued at 11 a.m. on the previous day.)

*Presk. Dangerfield, Lith. London, (131.)*



# YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes	29.82	57	51	E.N.E.	2	h	3	Holyhead	29.69	58	57	W	1	h	2
Sumburgh Head	29.78	51	48	E.N.E.	4	0	4	Valencia	29.75	62	58	NW	3	b.e.g.	4
Stornoway	29.70	55	53	SE	4	0	4	Scilly	29.70	62	59	N.E.	1	e	3
Aberdeen	29.65	53	52	N	4	0	4	Dungeness	29.75	63	61	SW	4	n	3
Shields	29.66	60	57	N.E.	2	h	3	London	29.68	71	62	S	3	c	*
Ardrossan	29.66	61	57	W	1	c	1	Yarmouth	29.72	67	60	SSW	4	b.c.	3
Malin Head	29.67	59	56	N.W.	2	b.c.	1	Jersey	29.74	65	60	W	2	c	2
Mullaghmore	29.70	61	57	N.W.	4	b.c.	2	Rochefort	29.87	72	68	N.W.	5	0	2
Belmullet	29.73	61	56	W	3	c	*								

## REMARKS.

The depressions of this morning are moving eastwards, and the barometer is now rising in the west of Ireland, while the wind there has veered to the N.W.<sup>d</sup>, with improving weather. Over England variable or S<sup>W</sup> breezes are reported, with rain at Shields, Holyhead, and Dungeness. The sea is moderate to smooth.

## CONTINENTAL INFORMATION.

Yesterday morning's Continental reports showed that the high pressure area noticed on Thursday had moved eastwards so that its central area then lay over Austria, North Germany, and the west of Russia. In the mean time a complex series of depressions had advanced over the British Isles and Bay of Biscay from the westward, and the consequence was that the S<sup>W</sup> and S<sup>W</sup><sup>2</sup> winds and cloudy, changeable, weather had spread over the whole of Western Europe, accompanied by rather low temperature. In Central Europe the winds were extremely light from the N<sup>W</sup> and the weather fine, but the thermometer was not high. Temperature varied from between 68° and 77° over Southern Europe to about 50° in the extreme northwest, (the readings over Central Germany being lower than those in surrounding regions). The highest individual readings reported were 83° at San Fernando & 80° to 81° at Brindisi and Palma, the lowest were 50° at Christiansund, Sumburgh Hd, and Malin and 51° at Stornoway.



# CORRECTIONS AND ADDITIONS TO THE REPORTS FOR JULY 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.	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.			
1 <sup>st</sup>	The Helder	30.21	55	NNE	3	c	30.25	+0.4	55	-	0	NE	1	c	1	57	52	-		
-	Paris	29.92	66	ESE	4	bc	30.21	+0.3	56	-	-6	NE	4	b	2	73	48	-		
2 <sup>nd</sup>	Corunna	*	*	*	*	*	30.05	-	67	54	-	NNE	5	f	4	72	59	-		
3 <sup>rd</sup>	The Helder	30.28	58	NW	1	b	30.28	+0.1	60	-	+5	NW	1	b	1	68	55	-		
-	Corunna	*	*	*	*	*	30.14	+0.9	60	62	-1	NNE	1	f	4	72	59	-		
6 <sup>th</sup>	Brest	30.25	69	N	3	b	30.17	-1.4	59	57	-2	2	0	b	1	73	50	-		
-	Corunna	*	*	*	*	*	30.11	-0.6	74	68	-1	NNE	1	bc	3	82	61	-		
-	Charleville	30.17	76	N	4	b	30.14	-0.9	59	57	-1	NNE	1	bc	3	85	68	-		
-	Paris	30.19	79	N	3	b	30.19	-0.8	65	60	-1	N	1	b	*	85	55	-		
-	Doulon	30.11	76	NW	1	m	30.07	-0.1	65	63	-10	E	5	m	3	88	63	-		
7 <sup>th</sup>	Parsonstown	30.05	70	NSW	1	bc	30.01	-1.1	57	54	-4	S	0	0	*	70	47	-		
-	Brest	30.09	71	NE	4	b	30.03	-1.4	59	-	0	NE	3	0	1	82	50	-		
-	Luzerne 2 pm	-	-	-	-	-	29.99	-	70	65	-	NSW	1	b	0	-	-	-		
9 <sup>th</sup>	Skudeesnaes	29.67	52	NW	2	0	29.71	-0.1	49	-	-5	NW	4	c	3	61	?	-		
10 <sup>th</sup>	Corunna	*	*	*	*	*	30.14	+0.3	64	-	-2	NE	5	bc	4	91	57	-		
13 <sup>th</sup>	Corunna	*	*	*	*	*	30.18	-0.1	66	-	+2	ESE	1	f	1	79	57	-		
15 <sup>th</sup>	Corunna	*	*	*	*	*	30.17	+0.7	68	66	+5	N	3	0	3	73	61	-		
16 <sup>th</sup>	Corunna	*	*	*	*	*	29.95	-2.2	69	-	+1	N	1	f	3	73	63	-		
19 <sup>th</sup>	Brussels	*	*	*	*	*	29.80	-2.0	74	66	+8	SSW	3	c	*	61	?	-		
22 <sup>nd</sup>	Corunna	*	*	*	*	*	30.17	+2.8	68	65	+1	NSW	3	b	4	75	57	-		
23 <sup>rd</sup>	Maparanda	29.86	65	N	2	0	29.78	-1.9	69	64	-4	N	2	c	*	75	59	-		
-	Hermosand	29.93	63	S	0	b	29.82	-2.0	68	62	+5	S	2	b	*	84	61	-		
-	Stockholm	29.91	66	S	0	bc	29.84	-1.1	70	64	+3	E	2	3	*	79	57	-		
-	Grubby	29.84	63	SSW	4	b	29.79	-0.8	68	64	+5	SSW	4	bc	*	72	59	-		
-	Corunna	*	*	*	*	*	30.09	-0.8	66	63	-2	SW	3	c	4	72	55	-		
24 <sup>th</sup>	Rocheport	29.88	66	NSW	1	n	29.92	-1.4	65	-	-2	N	7	n	3	70	61	0.08		
26 <sup>th</sup>	Lyon	29.67	86	S	3	c	29.73	+1.5	71	-	+1	E	1	n	*	91	70	-		
27 <sup>th</sup>	Corunna	*	*	*	*	*	30.17	-2.8	65	-	+1	NSW	3	b	3	72	59	-		
28 <sup>th</sup>	Corunna	*	*	*	*	*	30.26	+0.9	63	-	-2	ESE	1	b	1	73	59	-		
29 <sup>th</sup>	Corunna	*	*	*	*	*	30.12	-1.4	64	62	+1	ESE	1	b	1	75	50	-		
30 <sup>th</sup>	Brest	29.97	60	SW	4	0	29.81	-2.9	60	59	0	SW	4	0	3	64	59	-		
-	Charleville	30.14	66	NSW	1	bc	30.00	-2.0	57	52	+3	NSW	1	bc	*	73	47	-		
-	Doulon	30.10	71	S	0	b	30.06	+0.2	67	60	-5	E	4	m	2	?	63	-		
31 <sup>st</sup>	Cape Grisley	29.80	58	SW	3	n	29.70	-1.8	59	-	-6	SW	4	0	3	72	57	0.16		
-	Corunna	*	*	*	*	*	30.10	+1.7	63	62	-2	SSW	4	c	1	70	59	0.55		



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 ...	29.718	51.1	46.6	54.5	50.6	41	7 <sup>th</sup> + 8 <sup>th</sup>	59	1 <sup>st</sup> 20 <sup>th</sup> 21 <sup>st</sup> 23 <sup>rd</sup>	0.332
	{ Wick ...	29.754	55.2	47.2	60.1	53.7	30	29 <sup>th</sup>	69	19 <sup>th</sup>	.368
	{ Stornoway ...	29.758	53.9	47.7	59.5	53.6	38	9 <sup>th</sup> + 10 <sup>th</sup>	75	21 <sup>st</sup>	.353
1. SCOTLAND, E.	{ Nairn ...	29.761	56.2	48.9	64.8	56.9	37	9 <sup>th</sup>	80	1 <sup>st</sup>	.355
	{ Aberdeen ...	29.778	57.3	48.8	64.6	56.7	40	10 <sup>th</sup>	81	2 <sup>nd</sup>	.348
	{ Leith ...	29.801	58.9	47.8	67.2	57.5	44	9 <sup>th</sup>	80	2 <sup>nd</sup>	.363
2. ENGLAND, N.E.	{ Shields ...	29.829	58.5	51.1	65.3	58.2	42	28 <sup>th</sup>	80	2 <sup>nd</sup>	.382
	{ York ...	29.870	59.4	51.7	68.0	59.9	42	10 <sup>th</sup>	85	2 <sup>nd</sup>	.394
	{ Spurn Head ...	29.867	58.5	53.8	64.5	59.2	49	10 <sup>th</sup>	75	19 <sup>th</sup>	.417
3. ENGLAND, E.	{ Yarmouth ...	29.904	60.4	54.0	66.5	60.3	47	10 <sup>th</sup> + 28 <sup>th</sup>	81	6 <sup>th</sup>	.421
	{ Cambridge ...	29.914	62.2	51.5	72.7	62.1	42	16 <sup>th</sup>	87	6 <sup>th</sup>	.433
4. MIDLAND COUNTRIES.	{ Loughborough ...	29.902	61.2	53.1	71.6	62.4	45	16 <sup>th</sup>	85	4 <sup>th</sup>	.411
	{ Oxford ...	29.932	61.1	54.0	70.7	62.4	44	28 <sup>th</sup>	84	4 <sup>th</sup>	.415
5. ENGLAND, S.	{ London ...	29.938	62.4	53.7	72.4	63.1	45	28 <sup>th</sup>	86	4 <sup>th</sup>	.416
	{ Dungeness ...	29.932	61.1	54.8	66.7	60.8	46	28 <sup>th</sup> + 29 <sup>th</sup>	74	5 <sup>th</sup>	.469
	{ Hurst Castle ...	29.958	62.1	55.0	69.9	62.5	46	10 <sup>th</sup>	79	18 <sup>th</sup> + 21 <sup>st</sup>	.478
6. SCOTLAND, W.	Ardrossan ...	29.817	57.1	51.9	63.0	57.5	42	10 <sup>th</sup>	71	21 <sup>st</sup>	.387
7. ENGLAND, N.W.	{ *Hawes Junction ...	28.638	54.5	48.4	61.2	54.8	38	10 <sup>th</sup>	73	1 <sup>st</sup>	.376
	{ Barrow-in-Furness ...	29.850	57.0	53.7	62.4	58.1	48	27 <sup>th</sup> + 28 <sup>th</sup>	71	18 <sup>th</sup>	.397
	{ Liverpool Obs <sup>y</sup> (Bidston) ...	29.877	59.8	54.5	65.8	60.2	49	28 <sup>th</sup>	75	18 <sup>th</sup> 20 <sup>th</sup>	.369
	{ Holyhead ...	29.881	57.6	53.2	63.1	58.2	49	10 <sup>th</sup>	72	3 <sup>rd</sup> + 4 <sup>th</sup>	.415
8. ENGLAND, S.W.	{ Pembroke ...	29.910	58.1	55.4	61.9	58.7	51	9 <sup>th</sup>	71	3 <sup>rd</sup>	.435
	{ Prawle Point ...	29.958	60.7	54.3	65.4	59.9	46	10 <sup>th</sup>	77	4 <sup>th</sup>	.431
9. IRELAND, N.	{ Malin Head ...	29.803	56.0	51.7	60.8	56.3	48	14 <sup>th</sup> 17 <sup>th</sup> 24 <sup>th</sup> 27 <sup>th</sup>	73	1 <sup>st</sup>	.391
	{ Donaghadee ...	29.847	57.5	50.5	63.8	57.2	43	10 <sup>th</sup>	76	4 <sup>th</sup>	.414
	{ Mullaghmore ...	29.823	57.7	54.7	63.1	58.9	48	14 <sup>th</sup>	77	1 <sup>st</sup>	.389
	{ Belmullet ...	29.830	57.0	53.6	61.6	57.6	47	17 <sup>th</sup>	72	1 <sup>st</sup>	.402
10. IRELAND, S.	{ Parsonstown ...	29.874	58.9	51.4	66.7	59.1	45	9 <sup>th</sup> + 10 <sup>th</sup>	79	1 <sup>st</sup> + 3 <sup>rd</sup>	.392
	{ Valencia ...	29.894	59.7	53.5	64.7	59.1	47	10 <sup>th</sup> + 15 <sup>th</sup>	74	3 <sup>rd</sup>	.424
	{ Roche's Point ...	29.893	58.5	52.4	64.9	58.7	47	26 <sup>th</sup>	74	1 <sup>st</sup> 3 <sup>rd</sup> + 5 <sup>th</sup>	.400
CHANNEL ISLANDS.	{ Scilly (St. Mary's) ..	29.940	61.4	56.7	66.0	61.4	54	9 <sup>th</sup>	75	3 <sup>rd</sup>	.461
	{ Jersey (Noirmont) ...	29.980	61.2	55.8	67.6	61.7	50	10 <sup>th</sup>	77	3 <sup>rd</sup> 5 <sup>th</sup> + 18 <sup>th</sup>	.449
* Hawes Junction is 1135 feet above mean Sea Level and the											

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



## STATIONS in the BRITISH ISLANDS during the Month of JULY 1886

Thunderstorms and Gales are counted irrespective of the hours at which they occurred.

Latitude, beginning in each case with the Station lying furthest North.)

Relative Humidity	Amount of Cloud	Rainfall.			Weather							Wind									
		Total Fall in the month	Maximum Fall in one day	Date	No. of Days of							No. of Observation of									
					Rain	Snow	Hail	Thunderstorms	Clear Sky	Overcast	Gales	North	N.E.	East	S.E.	South	S.W.	West	N.W.	Calms	
%		ins.	in.																		
88	8.7	4.32	1.20	14 <sup>th</sup>	21	0	0	0	1	22	0	4	2	4	3	3	7	6	2	0	
85	6.7	2.51	0.83	13 <sup>th</sup>	18	0	0	0	4	14	2	4	1	0	5	8	0	5	7	1	
85	6.8	3.65	0.57	29 <sup>th</sup>	23	0	0	1	5	11	3	4	2	2	4	5	5	3	5	1	
78	5.7	2.53	0.89	13 <sup>th</sup>	21	0	0	0	4	5	0	2	3	2	1	3	6	9	4	1	
74	7.0	2.28	0.46	13 <sup>th</sup>	18	0	0	1	3	12	3	1	3	2	3	7	5	3	7	0	
74	6.1	2.55	0.68	13 <sup>th</sup>	16	0	0	1	7	10	0	1	2	2	1	2	2	10	10	1	
78	6.1	4.03	1.12	26 <sup>th</sup>	13	0	0	2	7	8	0	4	1	1	0	4	13	6	2	0	
78	5.4	4.88	2.20	25 <sup>th</sup>	16	0	0	2	13	11	0	4	1	0	1	10	5	7	3	0	
86	4.2	1.93	0.46	19 <sup>th</sup>	17	0	0	1	11	2	2	5	1	2	1	5	7	6	4	0	
81	4.3	4.23	0.91	12 <sup>th</sup>	19	0	0	2	12	4	0	3	1	1	1	3	9	6	5	2	
78	6.1	3.54	1.40	25 <sup>th</sup>	13	0	0	4	9	12	0	7	1	0	1	7	8	5	2	0	
77	6.6	2.44	0.77	25 <sup>th</sup>	16	0	0	3	5	13	3	0	1	1	4	2	4	15	4	0	
77	5.7	3.59	1.81	25 <sup>th</sup>	14	0	0	1	10	9	0	1	2	1	3	5	9	5	4	1	
74	5.6	2.50	0.92	25 <sup>th</sup>	12	0	0	1	9	9	0	2	0	2	3	7	4	7	5	1	
87	5.6	2.93	0.57	13 <sup>th</sup>	12	0	0	2	7	7	0	4	0	2	1	2	5	10	4	3	
86	4.5	2.89	0.65	13 <sup>th</sup>	12	0	0	1	9	1	4	4	3	2	1	1	10	5	3	2	
82	6.0	2.61	0.49	13 <sup>th</sup>	14	0	0	0	9	12	1	1	1	3	2	4	9	5	4	2	
84	7.3	7.92	1.34	22 <sup>nd</sup>	21	0	0	4	7	20	0	1	0	0	0	11	8	7	2	2	
85	6.5	5.98	1.43	26 <sup>th</sup>	18	0	0	2	4	12	2	3	2	1	4	2	6	8	5	0	
72	4.1	3.74	0.87	21 <sup>st</sup>	13	0	0	1	2	12	1	0	0	1	5	2	5	13	5	0	
87	5.5	3.96	0.95	26 <sup>th</sup>	18	0	0	0	8	7	2	3	0	1	1	6	9	5	3	3	
89	6.5	3.79	0.71	16 <sup>th</sup>	18	0	0	0	4	12	1	2	3	1	4	2	4	8	7	0	
82	3.8	3.25	0.92	12 <sup>th</sup>	15	0	0	1	13	5	2	0	3	3	1	3	8	8	4	1	
87	6.5	3.40	0.64	13 <sup>th</sup>	22	0	0	0	7	13	1	3	2	1	2	5	5	7	6	0	
87	5.2	3.63	1.01	25 <sup>th</sup>	16	0	0	0	6	6	2	5	3	4	3	2	3	7	4	0	
82	7.1	2.80	0.46	13 <sup>th</sup>	23	0	0	1	2	7	8	1	3	2	2	5	9	5	4	0	
86	7.6	4.34	0.63	18 <sup>th</sup>	26	0	0	0	3	19	3	1	1	0	2	7	5	9	6	0	
79	7.9	2.50	0.37	17 <sup>th</sup>	20	0	0	0	2	19	0	1	0	0	2	4	4	3	5	12	
83	8.4	5.99	1.33	20 <sup>th</sup>	24	0	0	0	4	24	4	4	0	2	6	3	7	4	4	1	
82	6.0	4.50	1.08	20 <sup>th</sup>	16	0	0	0	7	9	1	6	0	0	5	6	5	3	6	0	
85	7.4	3.54	0.66	13 <sup>th</sup>	18	0	0	0	4	14	4	3	1	1	2	4	6	8	5	1	
83	4.7	3.06	0.77	19 <sup>th</sup>	12	0	0	4	13	10	1	1	3	3	3	3	8	5	4	1	
Barometric Observations at this Station are not corrected for altitude.																					

Barometric Observations at this Station are not corrected for altitude.



## 2. CORRECTIONS.

DATE.	STATIONS.	+ YESTERDAY EVENING.					8 A.M. TO DAY.								PAST 24 HOURS.			
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		
				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.	Amount of Rainfall.
1 <sup>st</sup>	Valencia .....	-	-	-	-	-	30.21	- .09	-	-	-	-	-	-	-	-	-	-
2 <sup>nd</sup>	Parsonstown .....	30.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3 <sup>rd</sup>	Mullaghmore .....	-	-	-	-	-	30.33	+ .09	-	-	-	-	-	-	-	-	-	-
4 <sup>th</sup>	Lynce .....	-	-	-	-	-	30.20	+ .11	-	-	-	-	-	-	-	-	-	-
5 <sup>th</sup>	Balmillet .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
6 <sup>th</sup>	Ardrossan .....	-	-	-	-	-	-	-	-	53	-	-	-	-	-	-	-	0.01
7 <sup>th</sup>	Malin Head .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8 <sup>th</sup>	Ardrossan 2pm .....	-	60	-	-	-	-	-	-	57	-	-	-	-	-	-	-	-
9 <sup>th</sup>	Valencia .....	-	-	-	-	-	-	-	-	-	-	E.N.E.	-	-	-	-	-	0.08
10 <sup>th</sup>	Roches Point .....	30.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11 <sup>th</sup>	Nairn .....	-	-	-	-	-	-	-	-	-	-	-	-	-	62	38	-	-
12 <sup>th</sup>	Shields .....	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-	-
13 <sup>th</sup>	Ardrossan .....	-	-	-	-	-	-	-	-	50	-	-	-	-	-	42	-	-
14 <sup>th</sup>	Malin Head .....	-	-	-	-	-	29.80	-	-	-	-	-	-	-	-	-	-	-
15 <sup>th</sup>	Mullaghmore .....	-	-	-	-	-	-	-	-	-	-	S	-	-	-	-	-	-
16 <sup>th</sup>	Stornoway 2pm .....	-	-	-	-	-	29.63	-	-	-	-	-	-	-	-	-	-	-
17 <sup>th</sup>	Mullaghmore 2pm .....	-	-	-	-	-	-	-	60	-	-	-	-	-	-	-	-	-
18 <sup>th</sup>	Liverpool .....	29.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19 <sup>th</sup>	Parsonstown .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02
20 <sup>th</sup>	Valencia .....	-	-	-	-	-	29.91	+ .08	-	-	-	-	-	-	-	-	-	-
21 <sup>st</sup>	Nairn .....	29.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22 <sup>nd</sup>	Aberdeen .....	-	-	-	-	-	-	-	-	-	-	-	-	-	65	-	-	-
23 <sup>rd</sup>	Bodo .....	-	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24 <sup>th</sup>	Scilly .....	-	-	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25 <sup>th</sup>	Stornoway 2pm .....	-	-	-	-	-	-	-	-	-	-	S	-	-	-	-	-	-
26 <sup>th</sup>	Stornoway .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-	-
27 <sup>th</sup>	Roches Point .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.08
28 <sup>th</sup>	Pembroke .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04
29 <sup>th</sup>	Stornoway .....	-	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30 <sup>th</sup>	Ardrossan .....	-	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31 <sup>st</sup>	Scilly .....	29.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 <sup>st</sup>	Leith .....	-	-	-	-	-	-	-	-	-	-	-	-	-	69	-	-	No rain
2 <sup>nd</sup>	Roches Point .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3 <sup>rd</sup>	Hurst Castle .....	-	-	-	-	-	29.87	- 0.2	-	-	-	-	-	-	-	-	-	-
4 <sup>th</sup>	Roches Point .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	-	-
5 <sup>th</sup>	Shields .....	-	-	-	-	-	-	-	54	53	- 6	-	-	-	-	-	-	-
6 <sup>th</sup>	Shields 2pm .....	-	-	-	-	-	-	-	54	53	-	-	-	-	-	-	-	-
7 <sup>th</sup>	Spurn Head .....	-	-	-	-	-	-	-	-	-	-	N.W.	-	-	-	-	-	-
8 <sup>th</sup>	Holyhead .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.95
9 <sup>th</sup>	Nairn .....	-	-	-	-	-	29.97	+ .19	-	-	-	-	-	-	-	-	-	-
10 <sup>th</sup>	Loughborough .....	-	-	-	-	-	30.08	+ .35	-	-	-	-	-	-	-	-	-	-