

EIGHT A.M.

## WEATHER REPORT. 1870.

June 1<sup>st</sup>

Wednesday

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturbance (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.56	56	946	NNE	6	6	NNE	—	b	—	2
* Skudesnaes ...	29.54	50	49	Z	0	2	SSE	—	b	—	3
* Oxo (Christiansand)	29.56	48	48	E	2	4	SW	—	or	—	3
Thurso ...	29.57r	54	51	NNE	3	6	SE	2	cb	0.02	0
Wick ...	29.57r	51	50	ENE	3	3	SE	7	c	—	2
Nairn ...	29.57r	52	50	E	1	1	S	9	no	0.62	1
Aberdeen ...	29.52r	53	50	N	3	1	SSE	8	co	—	1
Leith ...	29.51r	53	52	W	5	6	W	7	oc	0.24	—
Shields ...											
Scarborough ...	29.64r	52	48	W	4	6	W	9	c	—	3
Yarmouth ...	29.76r	57	53	W	2	4	SW	6	c	—	2
Ardrossan ...	29.61r	52	50	WNW	5	6	SW	8	no	0.57	4
Greencastle ...	29.70r	52	49	WNW	4	6	W	9	no	0.76	—
Holyhead ...	29.78r	52	49	SSW	3	7	SSW	7	oc	—	—
† Liverpool ...											
Valencia ...	29.84	56	55	W	4	4	WNW	8	mf	0.22	3
Cape Clear ...	29.83r	55	54	SW	6	4	W	8	mo	0.15	4
Roche's Point	29.81r	52	50	W	4	6	W	9	cpt	0.09	3
Pembroke ...	29.81r	52	51	W	4	6	WSW	9	cr	0.21	3
Penzance ...	29.95r	56	55	SW	4	6	WSW	9	cp	0.06	2
Plymouth ...	29.91r	57	54	WSW	3	5	SW	7	op	0.08	3
Portsmouth ...	29.853	56	54	W	3	7	W	9	co	—	2
Dover ...	29.84r	61	59	SSW	2	5	SSW	7	c	—	1
London ...	29.82r	57	53	W	3	6	W	9	nbo	0.01	—
Helder ...	29.75	55	—	S	3	—	—	—	—	—	—
Cape Gris Nez	29.88f	52	50	W	5	7	WSW	7	co	—	5
Brest ...	30.02r	55	53	WSW	—	5	WSW	9	c	—	3
L'Orient ...	30.07r	57	55	W	4	5	WNW	8	cm	—	3
Rochefort ...	30.11r	59	57	NNW	3	5	NNW	0	cb	—	3
Biarritz ...	30.15r	59	54	E	3	5	NNW	7	mo	—	5
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...	29.93f	65	61	SE	3	1	SE	5	oc	0.08	2
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

Skudesnaes ...											
Nairn ...											
Scarborough ...											
Greencastle ...											
Valencia ..											
Penzance ...											
London ...											
Rochefort ...											

## EXPLANATION OF THE COLUMNS.

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. Z.—calm. **WEATHER**: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squally; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extremely high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.

† At Liverpool the thermometers are placed 44 ft. above the ground.



## REMARKS.

Wednesday

The barometrical depression which existed on our north-west coasts yesterday has passed off and readings have become higher and more uniform except on the coasts of Norway. The lowest pressure reported is at Leith, and is 0.60 in. less than that at Rochefort.

Temperature is unaltered.

The wind has fallen moderate everywhere. In Scotland it has veered to N and NE, while on our other coasts its direction is hardly changed.

Showery weather continues in the west and south of our Islands, and the sky is overcast generally. The sea is moderate.

N.B. It will be observed that Dover is now added to our list of stations, whence reports will be received daily in future.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Date.	Station.	Bar.	Temp.		Wind.		Extreme.		Cloud.	Weather.	Rain.	Sea.
MAY												
31 <sup>st</sup>	Ardrossan	29.387	51	50	SSW	4	8	SW	8	b	0.38	4
---	Corunna	30.16	63	—	NE	3	—	—	—	—	—	—
---	Brussels	29.84	57	—	WSW	4	—	—	—	b	—	—
---	Paris	29.99	57	—	SW	3	—	—	—	c	—	—
---	Strasbourg	—	69	—	SW	3	—	—	—	c	—	—
---	Lyon	30.00	68	—	N	3	—	—	—	c	—	—
---	Heart's Content	30.217	46	41	NNE	1	5	NNE	1	b	—	2

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT. 1870.

Thursday

June 2<sup>nd</sup>

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain, (Inches)	Sea Disturb. (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.83	51	43	E	4	4	SSW	—	c	—	2
* Skudesnaes ...	29.78	49	48	?E	2	2	NNW	—	o	—	3
* Oxo (Christiansand)	29.77	46	45	NNW	4	6	NE	—	or	—	3
Thurso ...	29.95r	48	45	N	4	4	NNW	8	fo	—	1
Wick ...	29.95r	51	48	NW	3	3	NW	8	co	—	2
Nairn ...	29.95r	55	51	E	1	1	E	8	co	—	1
Aberdeen ...	29.95r	50	49	N	1	1	N	8	co	—	1
Leith ...	29.92r	58	53	NW	2	3	E	5	bc	—	—
Shields ...											
Scarborough ...	29.95r	51	50	Z	0	4	WNW	9	cf	0.02	2
Yarmouth ...	29.96r	54	51	WNW	2	3	W	6	c	—	2
Ardrossan ...	29.98r	54	50	W	2	4	NW	4	e	—	1
Greencastle ...	30.00r	52	52	Z	0	4	WNW	9	or	0.12	—
Holyhead ...	30.00r	54	54	SSW	1	3	WSW	9	cf	—	—
† Liverpool ...											
Valencia ...	30.02r	58	55	SSW	3	3	WSW	2	cfb	—	2
Cape Clear ...	—	57	56	SSE	2	3	SW	0	cb	—	2
Roche's Point	30.02r	57	53	S	1	4	W	6	c	—	1
Pembroke ...	30.01r	52	51	WNW	2	6	W	—	fm	0.42	2
Penzance ...	30.10r	58	56	S	3	5	WSW	8	co	—	2
Plymouth ...	30.05r	60	56	WNW	3	4	W	5	pc	0.05	2
Portsmouth ...	30.00r	58	56	N	1	5	W	4	e	0.09	1
Dover ...	29.96r	61	56	WNW	1	3	SSW	2	q,fb	0.10	4
London ...	29.98r	57	55	W	2	6	W	8	nbc	0.05	—
Helder ...	29.88	50	—	WNW	6	—	—	—	—	—	2
Cape Gris Nez	29.99r	52	52	W	3	?8	W	3	nc	—	2
Brest ...	?30.10r	54	52	WNW	1	4	NE	4	of	—	4
L'Orient ...	30.09s	47	47	?N	3	5	W	?2	cf	—	3
Rochefort ...											
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...	29.90r	67	58	NNE	1	5	?WSW	1	fb	—	2
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

Skudesnaes ...  
Nairn ...  
Scarborough ...  
Greencastle ...  
Valencia ..  
Penzance ...  
London...  
Rochefort ...

## EXPLANATION OF THE COLUMNS.

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. Z.—calm.  
**WEATHER**: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squally;  
r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extremely high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.

† At Liverpool the thermometers are placed 44 ft. above the ground.



## REMARKS.

Thursday

The barometer is still rising on all coasts; and the change being again greatest in Scotland, pressure is rather uniform, the greatest difference between any two stations being 0.18 in. (Penzance to Leith).

Temperature has fallen at several of the NE<sup>n</sup> stations, and also in the west of France, but is rising on our southwest coasts, where the weather is warmest.

The winds continue light generally but have backed to S in Ireland. In G.<sup>t</sup> Britain they are chiefly N<sup>w</sup> and NW<sup>w</sup>.

The weather has been showery in the south of England, and remains very cloudy except in the south of Ireland, with fog and rain at several W<sup>n</sup> stations. The sea is calm.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Date.	Station.	Bar.	Temp.		Wind.		Extreme.		Cloud.	Weather.	Rain.	Sea.
JUNE												
1 <sup>st</sup>	Corunna	29.087	62	—	NE	3	—	—	—	b	—	—
—	Brussels	29.86	57	—	SW	9	—	—	—	c	—	—
—	Paris	29.99	56	—	WSW	1	—	—	—	c	—	—
—	Strasbourg	—	? 61	—	SW	3	—	—	—	c	—	—
—	Lyons	30.04	63	—	NW	3	—	—	—	c	—	—
—	Heart's Content	29.647	58	62	WNW	1	5	SW	2	b	—	2
<u>Corrections</u>												
—	Valencia	29.847	—	—	—	—	—	—	—	—	—	—
—	Roches Point	—	—	—	—	—	—	—	—	c/po	—	—

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

WEATHER REPORT. 1870. *June 3<sup>rd</sup>**Friday*

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
*Christiansund	30.13	54	49	ENE	2	2	ENE	—	e b	—	2
*Skudesnaes ...								—	—	—	
*Oxo (Christiansund)								—	—	—	
Thurso ...	30.112	51	46	SE	5	4	NNW	4	c	—	1
Wick ...	30.122	52	49	ESE	4	3	NW	7	c	—	2
Nairn ...	30.082	49	47	SW	1	1	E	8	b o	—	1
Aberdeen ...	30.152	51	48	SE	1	1	N	8	c o	—	1
Leith ...	30.072	52	50	E	4	5	E	8	b o	—	—
Shields ...											
Scarboroughh...	30.172	52	49	SE	2	1	E	8	c o	—	2
Yarmouth ...	30.142	52	51	ENE	4	4	ENE	6	c	—	4
Ardrossan ...	30.072	52	50	NE	3	3	SW	8	c r	0.02	2
Greencastle ...	30.002	? 58	? 57	Z	0	1	E	9	r o	0.31	—
Holyhead ...	30.112	49	48	S	3	1	SSW	9	o f m	—	—
† Liverpool ...											
Valencia ...	29.972	57	55	S	4	4	SSW	9	c m	0.03	3
Cape Clear ...	29.962	52	51	SW	5	3	S	9	f m	0.18	2
Roche's Point	30.022	55	54	SW	5	5	W	9	b r	0.15	4
Pembroke ...	30.102	51	50	SSE	3	4	W	9	f o	—	2
Penzance ...	30.162	53	51	ENE	1	3	W	5	f c	—	1
Plymouth ...	30.152	58	54	Z	0	3	NNW	5	c m	—	1
Portsmouth ...	30.122	61	58	W	1	2	W	3	c	—	1
Dover ...	30.112	54	53	WSW	1	1	SSW	9	f o	—	0
London ...	30.112	62	59	NW	2	3	NNW	9	b c o	—	—
Helder ...	30.13	52	—	NNE	2	—	—	—	—	—	2
Cape Gris Nez	30.122	52	52	? WSW	4	3	? WSW	9	c o	—	3
Brest ...	? 30.092	56	52	ESE	?	4	NNW	1	f b	—	4
L'Orient ...	30.152	55	53	E	4	5	W	1	b c	—	2
Rochefort ...	30.112	62	58	E	4	5	NW	0	b	—	2
Biarritz ...	30.112	68	64	S	1	5	NE	0	b	—	4
Corunna ...	? 30.51	66	—	NE	3	—	—	—	c	—	2
Brussels ...	30.13	56	—	ESE	1	—	—	—	c	—	—
Paris ...	30.15	58	—	NNW	1	—	—	—	f	—	—
Strasbourg ...											
Lyons ...	30.08	64	—	N	3	—	—	—	b	—	—
Toulon ...	30.082	71	62	NE	1	5	? SW	0	b	—	2
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

Skudesnaes ...											
Nairn ...											
Scarboroughh ...											
Greencastle ...											
Valencia ..											
Penzance ...											
London ...											
Rochefort ...											

## EXPLANATION OF THE COLUMNS.

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. Z.—calm. **WEATHER**: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squally; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extremely high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.

† At Liverpool the thermometers are placed 44 ft. above the ground.



## REMARKS.

Fri- day

The barometer has continued to rise since yesterday except on the Irish coasts, where a slight fall has commenced in the night. Readings are remarkably uniform.

Temperature has changed very irregularly, but has fallen at most of our stations.

The S<sup>W</sup> breeze in Ireland still holds, and in the northern part of S<sup>W</sup> Britain the wind exhibits a tendency to veer into the same quarter; while an E<sup>W</sup> breeze is reported from the west of France.

The sky is still very cloudy except in the south, and rain is falling in Ireland, while thick fog prevails both there and in the south-west of England. The sea is calmer on the whole.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Date.	Station.	Bar.	Temp.		Wind.		Extreme.		Cloud.	Weather.	Rain.	Sea.
JUNE												
2 <sup>ND</sup>	Rocheport	30.08 $\frac{1}{2}$	57	55	E	3	5	NW	6	a	—	3
—	Biarritz	30.08 $\frac{1}{2}$	59	52	E	4	7	N	0	cb	—	5
—	Corunna	30.00	65	—	NE	3	—	—	—	b	—	—
2	Brussels	29.94	56	—	WSW	1	—	—	—	c	—	—
—	Paris	30.02	56	—	WNW	1	—	—	—	o	—	—
—	Strasbourg	—	62	—	W	3	—	—	—	o	—	—
—	Lyon	30.03	64	—	N	3	—	—	—	b	—	—
—	Heart's Content	29.85 $\frac{1}{2}$	40	37	N	3	4	NNE	8	o	0.29	4

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT. 1870.

Saturday

June 4<sup>th</sup>

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 4)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
*Christiansund	30.33	46	43	NNE	6	4	NNW	—	bc	—	2
*Skudesnaes ...	30.28	51	49	NW	6	6	NW	—	b	—	2
*Oxo (Christiansand)	30.16	55	50	WSW	2	4	SW	—	b	—	1
Thurso ...	30.23r	54	52	SSW	3	6	SE	8	o	—	0
Wick ...	30.26r	52	51	SSE	3	3	ESE	8	o	—	2
Nairn ...	30.24r	57	54	E	1	1	SE	7	o	—	1
Aberdeen ...	30.29r	53	52	SE	1	1	SE	9	or	0.01	1
Leith ...	30.28r	52	52	E	1	2	E	9	or	0.20	—
Shields...											
Scarborough...	30.35r	54	53	WSW	1	2	SE	9	om	—	2
Yarmouth ...	30.40r	53	51	ESE	2	4	ENE	6	c	—	2
Ardrossan ...	30.30r	57	56	SSE	2	2	SW	6	c	0.38	1
Greencastle ...	30.30r	58	56	Z	0	1	SW	9	no	0.12	—
Holyhead ...	30.33r	53	52	SSE	4	3	SSW	9	cf	—	—
†Liverpool ...											
Valencia ...	30.30r	57	55	SSW	3	5	S	8	c fm	0.04	2
Cape Clear ...	30.29r	58	58	SW	2	4	S	9	f	0.02	1
Roche's Point	30.31r	56	55	SSW	2	4	SSW	9	f	0.04	2
Pembroke ...	30.34r	55	54	SSE	1	3	SE	9	of	—	1
Penzance ...	30.39r	60	58	S	1	2	SSE	1	cfb	—	0
Plymouth ...	30.39r	59	54	Z	0	3	S	3	b f	—	1
Portsmouth ...	30.37r	57	55	S	1	1	W	8	cm	—	1
Dover ...	30.36r	58	55	ENE	1	3	ENE	3	fc	—	0
London ...	30.37r	59	57	Z	0	2	NW	8	bmo	—	—
Helder ...	30.37	52	—	N	2	—	—	—	—	—	2
Cape Gris Nez	30.38r	53	51	N	1	3	WSW	9	fo	—	1
Brest ...	30.27r	58	54	E	1	3	?SW	1	b	—	4
L'Orient ...	30.34r	59	57	ENE	3	4	SE	1	cb	—	2
Rochefort ...	30.27r	66	61	E	3	5	NW	0	b	—	3
Biarritz...	30.29r	64	60	W	5	3	W	7	bc	—	4
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon...	30.06r	68	59	SE	1	3	SW	1	b	—	3
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

Skudesnaes ...											
Nairn ...											
Scarborough ...											
Greencastle ...											
Valencia ..											
Penzance ...											
London...											
Rochefort ...											

## EXPLANATION OF THE COLUMNS.

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. **Z**—calm. **WEATHER**: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l. lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squally; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extremely high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.

† At Liverpool the thermometers are placed 44 ft. above the ground.



Sea  
Distur  
(0 to 9)

2  
2  
1  
0  
2  
1  
1  
—  
  
2  
2  
1  
—  
—

2  
1  
2  
1  
0  
1  
1  
0

2  
1  
1  
2  
3  
4

—  
—  
—  
—  
3

Mercury

usually,  
remely

10

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT. 1870.

Sun-day

June 5<sup>th</sup>

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	30.45	59	50	ENE	2	6	NNE	—	b	—	2
* Skudesnaes ...	30.44	54	51	NW	6	6	NW	—	b	—	2
* Oxo (Christiansand)	30.41	56	52	NE	2	2	NNW	—	b	—	1
Thurso ...	30.57+	53	52	ENE	1	2	S	6	fc	—	0
Wick ...	30.58+	54	53	ESE	2	2	SSE	8	o	—	2
Nairn ...	30.57+	57	54	E	1	1	SW	6	c	0.20	1
Aberdeen ...	30.61+	51	49	NE	1	0	Z	8	mo	—	1
Leith ...	30.57+	63	58	ENE	2	2	NW	1	b	0.01	—
Shields ...											
Scarborough ...	30.57+	59	56	N	2	1	SE	3	oc	0.02	2
Yarmouth ...	30.50+	54	52	NE	3	3	SE	6	c	—	3
Ardrossan ...	30.58+	56	54	NNW	1	2	SW	2	c	—	1
Greencastle ...	30.57+	59	58	Z	0	1	SE	2	fc	0.01	—
Holyhead ...	30.56+	57	55	WNW	1	3	SSW	3	c	—	—
† Liverpool ...											
Valencia ...	30.55+	60	59	ENE	2	2	SSW	8	of	0.01	0
Cape Clear ...	30.49+	62	61	SE	2	1	SW	0	fb	—	0
Roche's Point	30.52+	57	55	SE	2	2	SSW	7	fc	—	2
Pembroke ...	30.49+	61	56	N	2	1	S	1	fb	—	1
Penzance ...											
Plymouth ...	30.48+	69	62	NE	2	0	Z	3	c	—	1
Portsmouth ...	30.47+	64	58	E	2	1	S	5	c	—	1
Dover ...	30.46+	60	58	NE	2	1	E	3	c	—	2
London ...	30.48+	60	56	ENE	3	3	WNW	9	becr	—	—
Helder ...											
Cape Gris Nez	30.46+	55	53	ENE	1	3	NE	8	o	—	1
Brest ...	30.38+	61	54	ENE	4	4	NNE	0	b	—	3
L'Orient ...	30.43+	61	57	ENE	3	4	WNW	0	cb	—	2
Rochefort ...	30.33+	64	59	E	4	5	NW	0	b	—	3
Biarritz ...	30.28+	66	62	SW	4	4	W	0	cb	—	4
Corunna ...	30.21	68	—	NE	3	—	—	—	b	—	2
Brussels ...	30.48	58	—	NNE	3	—	—	—	c	—	—
Paris ...	30.39	58	—	NNE	2	—	—	—	o	—	—
Strasbourg ...	—	61	—	NE	6	—	—	—	b	—	—
Lyons ...	30.22	68	—	N	3	—	—	—	c	—	—
Toulon ...	30.04+	73	64	ENE	1	3	SE	0	cb	—	2
Heart's Content (9 a.m. local time.)	30.08+	44	42	NNE	1	6	NNE	6	oc	—	2

## 2 P.M. REPORT.

Skudesnaes ...											
Nairn ...											
Scarborough ...											
Greencastle ...											—
Valencia ..											
Penzance ...											
London ...											—
Rochefort ...											

## EXPLANATION OF THE COLUMNS.

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. Z.—calm.  
**WEATHER**: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squally;  
 r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extremely high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.

† At Liverpool the thermometers are placed 4 ft. above the ground.



Sea  
Disturb  
(0 to 9.)

2	
2	
1	
0	
2	
1	
1	—
2	
3	
1	—
	—
0	
0	
2	
1	
1	
1	
2	—
1	
3	
2	
3	
4	
2	—
	—
	—
	—
2	
2	
	—
	—

1	
3	
2	
3	
4	
2	—
	—
	—
	—
2	
2	
	—
	—

3  
4  
2  
—  
—  
—  
—  
2  
2  
—  
—

2  
—  
—  
—  
—  
2  
2  
  
—  
  
—

mercury  
—calm.  
ually;  
remely

mercury  
—calm.  
ually;  
remely

mercury  
—calm.  
ually;  
remely



EIGHT A.M.

## WEATHER REPORT. 1870.

June 6<sup>th</sup>

Monday

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	30.33	60	54	ESE	2	—	—	—	—	—	—
* Skudesnaes ...	30.53	49	48	NNW	6	6	NW	—	bef	—	2
* Oxo (Christiansand)	30.49	52	51	S	2	4	SW	—	b	—	1
Thurso ...	30.55	59	56	Z	0	5	ENE	3	bfc	—	0
Wick ...	30.58	56	55	ESE	2	2	ESE	6	fc	—	2
Nairn ...	30.57	65	60	WNW	1	0	Z	0	fb	—	0
Aberdeen ...	30.59	60	56	SE	1	1	SE	0	fb	—	1
Leith ...	30.59	68	62	NW	2	2	ENE	1	bem	—	—
Shields ...											
Scarborough ...	30.59	54	50	NNE	2	2	N	0	cb	—	2
Yarmouth ...	30.56	51	49	NNW	2	5	NE	4	c	—	2
Ardrossan ...	30.61	61	58	NW	2	1	SE	1	cb	—	1
Greencastle ...	30.61	60	59	Z	0	0	Z	1	cb	—	—
Holyhead ...	30.60	58	55	WNW	1	2	NNW	3	bc	—	—
† Liverpool ...	—	60	55	SW	1	1	SW	0	b	—	1
Valencia ...	30.61	61	59	N	1	2	S	1	cb	—	2
Cape Clear ...	30.56	64	61	E	3	3	SE	0	b	—	0
Róche's Point	30.58	64	57	SE	1	2	SE	1	b	—	0
Pembroke ...	30.56	59	53	ENE	1	2	N	1	cb	—	0
Penzance ...	30.56	66	58	SSE	1	5	NE	0	emb	—	1
Plymouth ...	30.56	63	54	ENE	3	3	SE	0	b	—	2
Portsmouth ...	30.51	60	54	ENE	2	4	ENE	3	c	—	1
Dover ...	30.53	60	55	ENE	3	4	ENE	0	cb	—	3
London ...	30.56	54	51	NE	2	4	NNE	2	cb	—	—
Helder ...											
Cape Gris Nez	30.50	54	52	NE	4	5	WSW	0	cb	—	3
Brest ...	30.41	54	50	ENE	4	5	ENE	0	b	—	1
L'Orient ...	30.43	55	53	E	5	5	ENE	0	b	—	4
Rochefort ...	30.28	58	53	NE	7	5	NE	0	cb	—	2
Biarritz ...	30.21	62	55	E	5	8	SE	0	f	—	4
Corunna ...	30.15	69	—	NE	6	—	—	—	fb	—	4
Brussels ...	30.47	54	—	NNE	1	—	—	—	b	—	—
Paris ...	30.38	56	—	NNE	4	—	—	—	b	—	—
Strasbourg ...	—	54	—	N	6	—	—	—	c	—	—
Lyons ...	30.10	57	—	N	6	—	—	—	o	—	—
Toulon ...	29.91	57	53	N	4	4	ESE	6	co	—	3
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

Skudesnaes ...											
Nairn ...											
Scarborough ...											
Greencastle ...											
Valencia ...											
Penzance ...											
London ...											
Rochefort ...											

## EXPLANATION OF THE COLUMNS

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. Z.—calm. **WEATHER**: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squally; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extremely high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.

† At Liverpool the thermometers are placed 4 ft. above the ground.



## REMARKS.

Monday

Since Saturday pressure has continued to increase in all parts of our Islands, where it is now very high and extremely uniform; but during yesterday there was a decrease in the SW. of France which is now found in the Mediterranean, and from which the readings at Rochefort and Biarritz are recovering this morning.

Temperature rose generally on Tuesday, but has to-day fallen several degrees on the south and east coasts, and as much as  $16^{\circ}$  at Toulon.

Winds are light and variable at the British stations; but E  $\frac{1}{2}$  on the French coasts - blowing rather strongly in the Bay of Biscay.

The sky has cleared except in the south of France, and the weather in the British Islands is very fine. The sea is calm.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Date.	Station.	Bar.	Temp.		Wind.		Extreme.		Cloud.	Weather.	Rain.	Sea.
4 <sup>TH</sup>												
June.	Comuna	30.23	65	-	NE	3	-	-	-	b	-	2
-	Brussels	30.35	57	-	NNE	1	-	-	-	c	-	-
-	Paris	30.33	62	-	NNW	1	-	-	-	f	-	-
3	Strasbourg	-	60	-	NW	3	-	-	-	g	-	-
-	Lyon	30.24	64	-	N	3	-	-	-	b	-	-
-	Heart's Court	29.73 f	46	40	NNE	3	4	NE	5	c	-	3

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

WEATHER REPORT. 1870. *June 7<sup>th</sup>**Tues. day*

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	30.43	50	45	WSW	6	6	WSW	—	o	—	5
* Skudesnaes ...	30.41	51	49	NNW	6	6	NNW	—	o	—	2
* Oxo (Christiansand)	30.27	63	57	NNW	2	2	SW	—	bc	—	1
Thurso ...	30.589	53	52	NNW	3	4	NNE	8	fo	0.01	0
Wick ...	30.586	55	54	NW	2	2	ESE	8	co	—	2
Nairn ...	30.579	59	56	NNE	1	1	NNW	8	com	—	0
Aberdeen ...	30.589	57	55	NE	1	1	NE	9	bo	—	1
Leith ...	30.572	62	58	E	2	2	E	0	bun	—	—
Shields ...											
Scarborough ...	30.558	53	50	NNE	2	2	NE	6	bc	—	2
Yarmouth ...	30.506	50	49	NNW	2	4	NW	6	c	—	3
Ardrossan ...	30.572	63	59	ESE	2	2	NNW	3	bc	—	1
Greencastle ...	30.605	61	59	N	1	1	NE	3	c	—	—
Holyhead ...	30.529	60	55	ESE	2	3	NNW	3	bc	—	—
† Liverpool ...	—	61	54	S	1	1	S	0	b	—	1
Valencia ...	30.551	66	63	N	1	3	NW	0	b	—	0
Cape Clear ...	30.506	68	65	E	1	1	W	4	c	—	1
Roche's Point	30.518	64	59	N	2	2	N	0	cb	—	0
Pembroke ...	30.498	61	57	ENE	1	3	N	3	cm	—	0
Penzance ...	30.478	67	58	E	3	4	ENE	1	cb	—	1
Plymouth ...	30.472	63	54	NNE	2	4	S	3	b	—	1
Portsmouth ...	30.442	56	51	NE	3	3	ENE	3	c	—	2
Dover ...	30.422	58	55	NNE	4	5	NNE	2	cb	—	3
London ...	30.492	51	49	NE	3	5	NE	9	bo	—	—
Helder ...	30.47	59	—	NE	4	—	—	—	—	—	2
Cape Gris Nez	30.408	55	53	NE	5	5	NE	5	g	—	4
Brest ...	30.362	55	51	NE	4	5	NE	0	gb	—	2
L'Orient ...	30.358	55	51	ENE	5	5	NE	0	b	—	4
Rochefort ...	30.188	59	54	ENE	5	7	ENE	0	cb	—	3
Biarritz ...	30.108	61	52	N	8	8	N	3	c	—	4
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...	29.918	51	51	WSW	4	4	S	9	2	0.51	2
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

Skudesnaes ...											
Nairn ...											
Scarborough ...											
Greencastle ...											
Valencia ..											
Penzance ...											
London ...											
Rochefort ..											

## EXPLANATION OF THE COLUMNS.

**BAROMETER**. corrected and reduced to 32° F at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. **Z.**—calm. **WEATHER**. b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squally; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**. 0—dead calm; 9—extremely high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.

† At Liverpool the thermometers are placed 8 ft. above the ground.



Sea  
Disturb  
(0 to 9)

5  
2  
1  
0  
2  
0  
1  
—  
2  
3  
1  
—  
—  
1  
0  
1  
0  
0  
1  
1  
2  
3  
—  
2  
4  
2  
4  
3  
4

0  
2  
0  
1  
—  
2  
3  
1  
—  
—

1  
0  
1  
0  
0  
1  
1  
2  
3  
—  
2

4  
2  
4  
3  
4

—  
—  
—  
—  
2  
—  
—

—calm  
—equally,  
—tremely

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT. 1870.

Wednesday

June 8<sup>th</sup>

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches.)	Sea Disturb. (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	30.06	50	48	SW	4	6	WSW	—	c	—	4
* Skudesnaes ...	30.15	54	51	NNW	6	8	NNW	—	b	—	2
* Oxo (Christiansund)	30.06	63	51	NE	4	2	N	—	cb	—	2
Thurso ...	30.16 $\frac{1}{2}$	59	56	SW	4	3	N	6	fc	0.02	0
Wick ...	30.13 $\frac{1}{2}$	62	61	W	3	2	NNE	8	o	—	2
Nairn ...	30.19 $\frac{1}{2}$	63	58	W	2	1	NNE	2	fb	—	1
Aberdeen ...	30.19 $\frac{1}{2}$	63	58	S	1	1	NE	1	ofb	—	1
Leith ...	30.26 $\frac{1}{2}$	61	58	W	3	3	E	6	om	—	—
Shields ...											
Scarborough ...	30.28 $\frac{1}{2}$	53	51	NNE	3	2	NNE	1	cb	—	4
Yarmouth ...	30.24 $\frac{1}{2}$	53	50	NNW	3	5	NNE	0	cb	—	3
Ardrossan ...	30.32 $\frac{1}{2}$	58	56	NNW	3	4	NW	5	c	—	2
Greencastle ...	30.33 $\frac{1}{2}$	60	58	WNW	1	3	N	8	co	—	—
Holyhead ...	30.31 $\frac{1}{2}$	52	51	NNW	2	2	NNE	9	b m	—	—
Liverpool ...	30.25 $\frac{1}{2}$	62	56	SW	1	1	SW	0	b	—	1
Valencia ...											
Cape Clear ...	30.35 $\frac{1}{2}$	69	67	E	1	0	Z	1	b	—	0
Roche's Point	30.36 $\frac{1}{2}$	65	61	Z	0	2	E	0	b	—	0
Pembroke ...	30.29 $\frac{1}{2}$	59	56	NNW	3	4	N	3	mc	—	0
Penzance ...	30.31 $\frac{1}{2}$	70	62	NE	4	4	NE	7	bc	—	2
Plymouth ...	30.30 $\frac{1}{2}$	64	59	NW	1	4	S	7	bf	—	1
Portsmouth ...	30.22 $\frac{1}{2}$	62	55	NE	3	4	ENE	4	c	—	2
Dover ...	30.20 $\frac{1}{2}$	53	51	NNE	3	5	NNE	3	bc	0.05	3
London ...	30.26 $\frac{1}{2}$	55	51	NNE	3	4	N	2	cb	—	—
Helder ...	30.13	53	—	N	6	—	—	—	—	—	2
Cape Gris Nez	30.21 $\frac{1}{2}$	49	49	NE	5	7	NE	9	or	0.04	4
Brest ...	30.24 $\frac{1}{2}$	59	55	NE	1	7	NE	5	bc	—	2
L'Orient ...	30.22 $\frac{1}{2}$	56	54	NE	4	7	ENE	9	bc	—	3
Rochefort ...	30.12 $\frac{1}{2}$	61	57	NE	5	5	NE	4	c	—	3
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...	30.01 $\frac{1}{2}$	59	54	ENE	9	4	WNW	4	cb	0.113	3
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

Skudesnaes ...											
Nairn ...											
Scarborough ...											
Greencastle ...											
Valencia ...											
Penzance ...											
London ...											
Rochefort ...											

## EXPLANATION OF THE COLUMNS.

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. **Z**—calm. **WEATHER**: b—blue sky; c—clouds (detached); f—fog; h—hail; l—lightning; m—misty (hazy); o—overcast (dull); p—passing showers; q—squally; r—rain; s—snow; t—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extremely high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.  
\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



## REMARKS.

Wednesday

During the past night the barometer has fallen quickly at all the northern stations, the decrease extending in less degree to our other coasts; while in the south-west of France the mercury has commenced rising again.

The highest pressure is now in Ireland, where it exceeds by about a quarter of an inch those at Ozo and Rochefort.

Temperature has risen somewhat except over the Irish Sea, where it has fallen considerably.

The wind continues NE<sup>ly</sup> in most districts and has freshened slightly in the south-east. In Scotland, however, it has shifted to W and SW but is still light with clearer weather.

The sky is generally more cloudy than for the last few days. The sea is moderately calm.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Date.	Station.	Bar.	Temp.	Wind.	Extreme.	Cloud.	Weather.	Rain.	Sea
JUNE									
7 <sup>TH</sup>	Cornwall	30.23	66	NE	6	—	6	—	2
—	Brussels	30.39	56	ENE	3	—	66	—	—
—	Paris	30.25	55	N	6	—	6	—	—
—	Strasbourg	—	59	NE	6	—	c	—	—
—	Lyon	29.96	61	NW	3	—	c	—	—
—	Heart's Content	30.28	47	N	1	1	8	0.10	1

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT. 1870.

June 9<sup>th</sup>

Thursday

STATIONS.	Barometer.	Thermometer.		Present Wind. Direction.	Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Dist. (0 to 10)
		Dry.	Wet.		Force. (6 to 12.)	Force. (0 to 12.)	Force.	Direction.				
*Christiansund	29.26	50	45	SW	6	2	SSW	—	—	oc	—	5
*Skudesnaes ...	29.50	48	46	WSW	6	2	—	—	—	or	—	3
*Oxo (Christiansund)	29.48	52	47	W	6	—	—	—	—	c	—	—
Thurso ...	29.70 <sup>f</sup>	50	46	N	5	6	WNW	5	5	gc	0.03	3
Wick ...	29.68 <sup>f</sup>	52	51	NW	5	6	WNW	8	8	o	—	3
Nairn ...	29.78 <sup>f</sup>	51	48	WNW	1	3	W	8	8	co	—	1
Aberdeen ...	29.73 <sup>f</sup>	53	47	NW	5	1	S	3	3	c	—	1
Leith ...	29.80 <sup>f</sup>	56	49	W	5	6	W	5	5	c	—	—
Shields ...	—	—	—	—	—	—	—	—	—	—	—	—
Scarborough...	29.84 <sup>f</sup>	55	49	NNW	3	3	NE	7	7	bc	—	3
Yarmouth ...	29.85 <sup>f</sup>	56	53	NW	2	4	NNW	6	6	c	—	2
Ardrossan ...	29.89 <sup>f</sup>	53	48	NNW	5	5	NW	6	6	c	—	4
Greencastle ...	29.95 <sup>f</sup>	54	48	NW	3	4	WNW	7	7	nc	0.01	—
Holyhead ...	29.98 <sup>f</sup>	53	50	WNW	4	2	NNW	7	7	bc	—	—
Liverpool ...	29.92 <sup>f</sup>	56	51	W	4	2	W	6	6	bc	—	3
Valencia ...	30.13 <sup>f</sup>	57	54	NNW	4	3	NW	8	8	mo	—	2
Cape Clear ...	30.09 <sup>f</sup>	59	57	NW	4	4	NW	7	7	c	—	2
Roche's Point	30.06 <sup>f</sup>	57	52	N	6	6	N	8	8	co	—	3
Pembroke ...	29.97 <sup>f</sup>	53	50	NNW	4	6	N	5	5	c	—	1
Penzance ...	30.03 <sup>f</sup>	59	57	NNE	5	5	NNE	8	8	bo	—	4
Plymouth ...	30.00 <sup>f</sup>	61	57	NNW	3	4	NNW	7	7	co	—	2
Portsmouth ...	29.89 <sup>f</sup>	63	59	NNW	1	3	NE	7	7	c	—	1
Dover ...	29.87 <sup>f</sup>	56	55	WSW	2	1	ENE	8	8	bo	—	2
London ...	29.90 <sup>f</sup>	60	55	WNW	3	2	NE	9	9	bco	—	—
Helder ...	29.77	56	—	WNW	3	—	—	—	—	—	—	2
Cape Gris Nez	29.93 <sup>f</sup>	53	53	?WSW	3	4	NE	9	9	of	—	2
Brest ...	?30.10 <sup>f</sup>	54	54	NW	4	4	NNE	9	9	of	—	2
L'Orient ...	30.04 <sup>f</sup>	55	53	?SSW	1	5	NE	9	9	cf	—	2
Rochefort ...	30.00 <sup>f</sup>	59	57	NE	4	5	N	0	0	cb	—	3
Biarritz...	30.02 <sup>f</sup>	63	59	W	5	5	—	9	9	no	0.20	4
Corunna ...	30.15	65	—	NE	3	—	—	—	—	c	—	2
Brussels ...	30.27	56	—	WSW	3	—	—	—	—	c	—	—
Paris ...	29.99	56	—	NE	2	—	—	—	—	c	—	—
Strasbourg ...	—	63	—	SW	3	—	—	—	—	o	—	—
Lyons ...	30.00	63	—	S	3	—	—	—	—	b	—	—
Toulon ...	29.94 <sup>f</sup>	64	57	E	1	4	SE	6	6	co	—	2
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—	—

## 2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—	—
Nairn ...	—	—	—	—	—	—	—	—	—	—	—	—
Scarborough...	—	—	—	—	—	—	—	—	—	—	—	—
Greencastle ...	—	—	—	—	—	—	—	—	—	—	—	—
Valencia ..	—	—	—	—	—	—	—	—	—	—	—	—
Penzance ...	—	—	—	—	—	—	—	—	—	—	—	—
London...	—	—	—	—	—	—	—	—	—	—	—	—
Rochefort ...	—	—	—	—	—	—	—	—	—	—	—	—

## EXPLANATION OF THE COLUMNS.

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. **WEATHER**: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squally; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extremely high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



# REMARKS.

Thursday

The barometer has continued to fall briskly throughout our Islands and France since yesterday, principally on the north-east coasts: in Norway the fall has been very rapid, amounting to 0.8 in. at Christiansund. The highest readings are still reported from the south of Ireland, that at Valencia exceeding by 0.45 in. that at Wick and by 0.87 in. that at Christiansund.

Temperature has again fallen considerably on all but our east and south-east coasts and the south of France, where it has risen slightly.

The winds have become generally NNW<sup>4</sup> on our coasts, and freshened a little in most places, with an increased amount of cloud.

In Norway they are moderate from the W<sup>nd</sup>.

The weather is still dry and is rather unsettled and cloudy.

The sea is moderate or calm.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Date.	Station.	Bar.	Temp.		Wind.		Extreme.		Cloud.	Weather.	Rain.	Sea.
JUNE												
8 <sup>TH</sup>	Valencia	30.42f	61	59	N	2	3	NNW	1	fb	—	1
—	Biarritz	30.08f	58	56	ENE	3	8	9 NE	8	ok	0.35	4
—	Comuna	30.28	66	—	NE	3	—	—	—	6	—	2
—	Brussels	30.13	60	—	E	3	—	—	—	σ	—	—
—	Paris	—	55	—	N	4	—	—	—	c	—	—
—	Strasbourg	—	60	—	NW	3	—	—	—	σ	—	—
—	Lyons	30.02	62	—	NW	1	—	—	—	σ	—	—
—	Heart's Content	30.32f	57	48	NNE	1	1	NNE	8	σ σ	—	2

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT.

1870. June 10<sup>th</sup>

Fri. day

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.09	48	44	SW	6	8	WSW	—	oc	—	4
* Skudesnaes ...	29.37	47	42	W	6	6	W	—	c	—	4
Oxø (Christiansund)	29.35	48	42	W	6	6	WSW	—	b	—	4
Thurso ...	29.57 <sup>8</sup>	44	40	NNW	5	6	N	4	c	0.01	0
Wick ...	29.58 <sup>8</sup>	48	47	NW	5	5	NW	9	o	—	3
Nairn ...	29.59 <sup>1</sup>	45	44	NNW	1	1	NNW	9	co	—	1
Aberdeen ...	29.58 <sup>1</sup>	46	42	NW	2	1	NNW	8	co	0.05	1
Leith ...	29.58 <sup>8</sup>	50	46	W	3	5	NW	9	co	—	—
Shields ...											
Scarborough ...	29.65 <sup>2</sup>	52	47	WNW	2	2	SE	8	o	—	2
Yarmouth ...	29.69 <sup>3</sup>	55		SW	2	3	NNE	7	c	—	1
Ardrossan ...	29.64 <sup>1</sup>	51	47	NW	4	6	NW	7	cr	—	2
Greencastle ...	29.66 <sup>8</sup>	50	49	NW	3	4	NW	9	r	0.06	—
Holyhead ...	29.76 <sup>8</sup>	52	50	WSW	3	4	WNW	9	co	—	—
Liverpool ...	?	55	50	W	4	3	W	4	c	—	3
Valencia ...	?	62	60	?	?	?	?	?	?	0.03	?
Cape Clear ...	29.86 <sup>8</sup>	62	59	?	7	?	?	?	?	?	?
Roche's Point	29.83 <sup>1</sup>	56	52	NNW	5	6	NNW	7	c	—	3
Pembroke ...	29.79 <sup>3</sup>	53	50	WNW	4	3	WNW	9	co	—	2
Penzance ...	29.88 <sup>1</sup>	57	53	NW	4	5	N	7	c	—	2
Plymouth ...	29.85 <sup>8</sup>	56	52	NW	2	3	NW	7	co	—	1
Portsmouth ...	29.77 <sup>1</sup>	58	55	W	2	1	NNW	8	co	—	1
Dover ...	29.75 <sup>8</sup>	58	54	SSW	2	1	W	2	cb	—	2
London ...	29.76 <sup>8</sup>	57	52	W	3	4	NW	7	buc	—	—
Helder ...	29.64	55	—	SW	4	—	—	—	—	—	2
Cape Gris Nez	29.76 <sup>1</sup>	53	53	W	3	3	NE	6	fe	—	1
Brest ...	29.91 <sup>8</sup>	55	53	NW	8	4	NW	9	fo	—	2
L'Orient ...	29.93 <sup>2</sup>	55	53	NNE	4	5	N	8	c	—	1
Rochefort ...	29.89 <sup>2</sup>	59	57	N	5	7	NW	6	c	—	3
Biarritz ...	29.97 <sup>2</sup>	59	57	W	4	5	W	9	cr	0.08	4
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...	29.76 <sup>8</sup>	60	58	NNW	3	4	E	8	zo	0.71	2
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

Skudesnaes ...											
Nairn ...											
Scarborough ...											
Greencastle ...											
Valencia ..											
Penzance ...											
London ...											
Rochefort ...											

## EXPLANATION OF THE COLUMNS

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. Z.—calm; b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squally; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extremely high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.  
\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



Sea  
Distances  
(0 to 10)

4  
4  
4  
0  
3  
1  
1  
—  
2  
1  
2  
—  
—  
3  
?  
?  
3  
2  
2  
1  
1  
2  
—  
2  
1  
2  
1  
3  
4  
—  
—  
—  
—  
2

Temperature has again decreased except in the south of Ireland and at the French stations. Cape Clear is now 18° warmer than Thurso.

A very little rain has fallen in Ireland. The sky is cloudy everywhere. The sea is calm.

3	
2	
2	
1	
1	
2	—
2	
1	
2	
1	
3	
4	—
	—
	—
	—
2	—

2

the mercury  
7/8—calm.  
—squally;  
extremely

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT. 1870.

June 11<sup>th</sup>

Saturday

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturbance (0 to 9)
		Dry.	Wet.	Direction.	Force. (0 to 12)	Force. (0 to 12.)	Direction.				
*Christiansund	29.27	42	40	SW	6	6	SW	—	o	—	4
*Skudesnaes ...	29.46	44	40	WSW	6	2	WNW	—	bct	—	3
*Oxo (Christiansand)	29.47	46	42	W	6	6	WSW	—	bct	—	3
Thurso ...	29.45 <sup>7</sup>	43	41	WSW	1	5	NNW	7	ct	0.10	1
Wick ...	29.44 <sup>7</sup>	45	44	WNW	3	4	NW	9	ot	0.12	2
Nairn ...	29.47 <sup>7</sup>	51	49	NW	1	1	NE	6	pc	0.08	1
Aberdeen ...	29.44 <sup>7</sup>	52	49	SSW	1	1	SE	7	c	0.06	2
Leith ...	29.52 <sup>7</sup>	54	49	W	5	4	NW	2	b p	0.08	—
Shields ...											
Scarborough...	29.64 <sup>r</sup>	55	51	W	4	3	NW	6	c	0.08	3
Yarmouth ...	29.75 <sup>r</sup>	58	55	WSW	3	3	SW	6	c	—	2
Ardrossan ...	29.59 <sup>r</sup>	61	57	W	5	6	NW	6	c g p	0.08	4
Greencastle ...	29.62 <sup>9</sup>	54	51	WNW	3	3	NW	8	no	0.03	—
Holyhead ...	29.78 <sup>r</sup>	53	50	NNW	4	4	WSW	9	co	—	—
Liverpool ...		57	52	W	5	4	W	6	c	—	4
Valencia ...	29.92 <sup>r</sup>	56	54	WNW	5	6	NW	9	p	0.03	4
Cape Clear ...	29.91 <sup>r</sup>	58	56	NW	7	7	NW	8	g p o	0.02	5
Roche's Point	29.88 <sup>r</sup>	57	53	W	4	6	NNW	9	co	—	3
Pembroke ...	29.84 <sup>r</sup>	55	53	W	4	5	WSW	8	co	—	2
Penzance ...	30.00 <sup>r</sup>	59	57	W	4	5	W	6	c	0.04	3
Plymouth ...	29.96 <sup>r</sup>	59	55	WSW	3	5	W	7	co	—	2
Portsmouth ...	29.87 <sup>r</sup>	59	55	W	4	4	WNW	9	o	—	3
Dover ...	29.84 <sup>r</sup>	57	56	SW	4	4	SSW	2	cb	—	4
London ...	29.83 <sup>r</sup>	59	53	W	6	3	WNW	6	b c	—	—
Helder ...	29.58	55	—	SW	6	—	—	—	—	—	4
Cape Gris Nez	29.88 <sup>r</sup>	54	52	W	5	7	W	—	—	—	4
Brest ...	29.84 <sup>r</sup>	55	53	WNW	3	4	NW	9	o	—	2
L'Orient ...	30.09 <sup>r</sup>	58	56	W	4	5	WNW	7	c	—	3
Rochefort ...	30.13 <sup>r</sup>	61	56	WNW	4	5	NW	8	co	—	3
Biarritz...	30.19 <sup>r</sup>	66	61	W	3	5	W	2	nc	0.08	3
Corunna ...											—
Brussels ...											—
Paris ...											—
Strasbourg ...											—
Lyons ...											—
Toulon...	29.99 <sup>r</sup>	61	56	WNW	5	5	WNW	1	nb	0.08	3
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

Skudesnaes ...											
Nairn ...											
Scarborough...											
Greencastle ...											
Valencia ..											
Penzance ...											
London...											
Rochefort ...											

## EXPLANATION OF THE COLUMNS

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. **Z.**—calm; **b.**—blue sky; **c.**—clouds (detached); **f.**—fog; **h.**—hail; **l.**—lightning; **m.**—misty (hazy); **o.**—overcast (dull); **p.**—passing showers; **q.**—squally; **r.**—rain; **s.**—snow; **t.**—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extremely high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



## REMARKS.

Saturday

Since yesterday barometrical readings have continued to decrease on our north-east coasts, while at the southern stations a recovery has set in amounting to a quarter of an inch in the south west of France. Gradients are thus rather steeper than they were and the reading at Rochefort is again higher than that at Aberdeen.

Temperature has risen slightly at nearly all stations.

The winds continue NW<sup>t</sup> at our western stations but have backed to W at those on the east coasts, and also in the west of France. In force they are moderate everywhere.

The weather in our Islands has become showery except in the south-east, and the sky is very cloudy generally. The sea is moderate.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Date.	Station.	Bar.	Temp.		Wind.		Extreme.		Cloud.	Weather.	Rain.	Sea.
JUNE												
10 <sup>TH</sup>	Corunna	30.10	63	—	NNE	6	—	—	—	c	—	2
—	Brussels	29.72	56	—	WSW	4	—	—	—	c	—	—
—	Paris	29.78	55	—	?WSW	2	—	—	—	f c	—	—
—	Strasbourg	—	60	—	SW	3	—	—	—	c	—	—
—	Lyon	29.80	68	—	SW	3	—	—	—	c	—	—
—	Hearts Content	30.12 $\frac{1}{2}$	47	46	NNE	1	2	NNE	9	mf	—	2
<u>Corrections.</u>												
—	Wick	—	—	—	—	—	—	—	8	—	—	—
—	Liverpool	29.74 $\frac{1}{2}$	—	—	—	—	—	—	—	—	—	—
—	Valencia	29.91 $\frac{1}{2}$	56	54	NW	5	6	NNW	5	mc	0.03	3
—	Cape Clear	—	56	54	NNW	6	5	NNW	4	cl	—	4

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT. 1870.

Sun-day

June 12<sup>th</sup>

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturbance (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.56	39	-	WSW	6	-	-	-	h	-	-
* Skudesnaes ...	29.74	43	40	WNW	6	6	WNW	-	cr	-	4
* Oxo (Christiansand)	? 29.73	48	42	WNW	6	6	N	-	co	-	4
Thurso ...	29.96r	47	43	NNW	4	6	NNW	4	c	0.04	2
Wick ...											
Nairn ...	29.97r	48	45	E	1	0	Z	6	oc	0.11	1
Aberdeen ...	30.01r	51	45	NW	1	4	NW	6	tlc	0.23	1
Leith ...	30.00r	55	50	NNW	3	5	NW	2	b	-	-
Shields ...											
Scarborough ...	30.06r	52	48	WSW	1	5	W	8	co	0.07	1
Yarmouth ...	30.11r	55	54	SSW	2	5	W	7	c	0.10	2
Ardrossan ...	30.00r	51	47	S	2	8	NW	7	c	0.11	1
Greencastle ...	29.94r	53	52	SSE	1	6	NW	9	ra	0.42	-
Holyhead ...	29.99r	54	53	SW	3	4	WSW	9	a	0.31	-
Liverpool ...	30.09r	53	51	SE	2	5	W	8	cr	0.15	1
Valencia ...	30.08r	57	55	SW	6	5	SW	8	co	-	4
Cape Clear ...	30.07r	59	57	W	6	6	W	9	o	-	4
Roche's Point	30.07r	58	55	WSW	3	4	W	9	co	-	3
Pembroke ...	30.08r	56	53	WSW	4	5	W	9	co	-	3
Penzance ...	30.25r	60	56	WSW	4	5	WSW	9	co	-	3
Plymouth ...	30.22r	59	55	WSW	3	4	WSW	7	co	-	2
Portsmouth ...	30.21r	64	58	W	4	6	W	7	oc	-	3
Dover ...	30.14r	57	51	SSW	2	6	SSW	4	c	-	3
London ...	30.12r	61	56	W	4	8	W	8	c	-	-
Helder ...											
Cape Gris Nez	30.15r	53	51	W	5	8	W	9	bo	-	4
Brest ...	30.25r	57	55	W	3	4	WSW	9	o	-	3
L'Orient ...	30.33r	57	53	WNW	3	5	WNW	9	o	-	2
Rochefort ...	30.34r	60	56	N	4	4	WNW	9	o	-	3
Biarritz ...	30.30r	59	55	E	4	4	-	0	bf	-	4
Corunna ...	30.11	65	-	N	3	-	-	-	b	-	2
Brussels ...	? 29.94	56	-	W	3	-	-	-	o	-	-
Paris ...	30.26	56	-	W	4	-	-	-	o	-	-
Strasbourg ...	-	66	-	W	3	-	-	-	c	-	-
Lyons ...	30.32	65	-	N	1	-	-	-	b	-	-
Toulon ...	30.19r	65	61	ENE	1	7	E	1	b	-	2
Heart's Content (9 a.m. local time.)	30.26r	40	36	NNE	3	3	NE	5	bc	-	3

## 2 P.M. REPORT.

Skudesnaes ...											
Nairn ...											
Scarborough ...											
Greencastle ...											
Valencia ..											
Penzance ...											
London ...											
Rochefort ...											

## EXPLANATION OF THE COLUMNS.

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. **Z.**—calm. **WEATHER**: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squally; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extremely high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



Sea	Disturb	(0 to 9)
1	2	3
4	5	6
7	8	9

4	1
4	1
2	-
	1
	2
1	1
2	-
	-
	1
4	4
4	3
3	3
3	3
2	2
3	3
3	-
	4
3	3
2	2
3	3
	4
	2
	-
	-
	-
	-
2	2
3	3

	4
3	
2	
3	
	4
	2
	-
	-
	-
	-
	2
3	

3	4	2	1	1	1	1	2	3
---	---	---	---	---	---	---	---	---

4  
2  
—  
—  
—  
—  
2  
3

the mercury  
Zn.—calm.  
—squally;  
—extremely

the mercury  
Zn.—calm.  
—squally;  
—extremely

the mercury  
Zn.—calm.  
—squally;  
—extremely



EIGHT A.M.

WEATHER REPORT. 1870. *June 13<sup>th</sup>**Mon. day*

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturbance (0 to 2)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.78	43	38	WSW	6	6	WSW	—	zc	—	4
* Skudesnaes ...	29.88	45	42	Z	0	4	NW	—	co	—	3
* Oxo (Christiansand)	29.91	45	41	WSW	4	6	WNW	—	co	—	3
Thurso ...	29.858	55	52	W	4	6	SSE	4	oc	0.04	3
Wick ...											
Nairn ...											
Aberdeen ...											
Leith ...											
Shields ...	—	62	60	SW	3	3	WSW	7	c	—	2
Scarborough ...	30.082	60	58	W	4	3	SW	7	mc	0.08	3
Yarmouth ...	30.172	61	60	WSW	2	4	SSE	6	c	—	2
Ardrossan ...											
Greencastle ...	30.004	58	56	WSW	1	3	SW	6	zc	0.13	—
Holyhead ...	30.132	54	53	SSW	5	4	W	7	co	0.06	—
Liverpool ...	30.11	60	56	WSW	2	3	SW	3	zc	0.08	1
Valencia ...	30.097	57	55	SSW	4	6	SW	8	co	—	3
Cape Clear ...	30.097	57	56	SW	4	4	WSW	8	c	—	3
Roche's Point	30.117	57	54	SW	4	5	W	9	co	—	3
Pembroke ...	30.189	55	52	SSW	2	4	SW	9	c	—	2
Penzance ...	30.247	59	56	S	3	4	SSW	8	c	—	2
Plymouth ...	30.257	61	58	SSW	1	3	W	7	co	—	1
Portsmouth ...	30.235	60	56	WNW	2	6	W	6	c	—	1
Dover ...	30.225	58	57	SSW	2	4	S	7	cf	—	2
London ...	30.214	60	54	WNW	3	5	W	1	cb	—	—
Helder ...											
Cape Gris Nez	30.247	55	53	W	4	5	W	4	gc	—	2
Brest ...	30.167	54	52	E	4	4	WSW	0	ob	—	3
L'Orient ...	30.247	56	54	E	4	4	WNW	0	b	—	2
Rochefort ...	30.207	64	60	E	4	5	NW	0	b	—	3
Biarritz ...	30.137	69	67	E	4	4	N	0	b	—	3
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...	30.194	66	62	ENE	4	4	SW	2	b	—	2
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

Skudesnaes ...											
Nairn ...											
Scarborough ...											
Greencastle ...											
Valencia ...											
Penzance ...											
London ...											
Rochefort ...											

## EXPLANATION OF THE COLUMNS.

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. **Z.**—calm. **WEATHER**: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squally; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 1—extremely high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.  
\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



## REMARKS.

Monday

A rapid recovery of barometrical pressure had set in on all coasts yesterday morning, especially in the north, where it has since continued. At the southern stations however it has been succeeded by a slight fall during the past day, and readings have thus become very uniform.

Temperature had changed but little on Sunday, but has since risen in the north-eastern part of our Islands.

Moderate W<sup>ly</sup> winds were prevalent on all our coasts yesterday with rain at the northern and north-western stations and generally cloudy weather elsewhere; but to-day they have backed to SW again in our Islands while in the west of France they have veered to E.

The sky has now cleared on the French coasts, but continues very cloudy in our Islands, and some more rain has fallen at the northern stations. The sea is calm.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Date.	Station.	Bar.	Temp.		Wind.		Extreme.		Cloud.	Weather.	Rain.	Sea.
JUNE												
11 <sup>TH</sup>	Corunna	30.04	64	—	NW	3	—	—	—	o	—	2
—	Brussels	29.97	49	—	SW	3	—	—	—	c	—	—
—	Paris	30.00	58	—	SW	4	—	—	—	c	—	—
2	Strasbourg	—	60	—	W	6	—	—	—	o	—	—
—	Lyon	30.08	65	—	N	3	—	—	—	o	—	—
—	Heart's Content	29.987	59	55	SW	2	2	NNE	2	mb	—	3

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

WEATHER REPORT. 1870. *June 14<sup>th</sup>**Tues. day*

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
*Christiansund	29.95	42	40	WSW	3	6	W	—	02	—	4
*Skudesnaes ...	29.95	51	48	Z	0	4	—	—	6c	—	3
*Oxo (Christiansand)	29.92	52	49	SW	4	4	WSW	—	c	—	2
Thurso ...	29.87	59	55	SSW	3	4	W	7	mc	0.07	0
Wick ...	29.902	58	56	SW	4	4	SSW	8	02	0.02	2
Nairn ...	29.922	57	55	W	1	1	SW	1	06	—	1
Aberdeen ...											
Leith ...	29.962	62	57	WNW	3	5	W	8	00	0.01	—
Shields ...	—	63	59	SW	1	2	WNW	2	c	—	1
Scarborough...	30.082	63	58	WSW	2	4	W	0	b	—	2
Yarmouth ...	30.142	63	60	SE	2	5	SSE	2	cb	—	1
Ardrossan ...	30.015	56	54	SW	2	2	WSW	4	c	—	2
Greencastle ...	29.96	58	55	SW	2	2	SW	8	20	0.01	—
Holyhead ...	30.122	53	52	S	4	6	SSW	9	cm	—	—
Liverpool ...	30.095	61	57	S	1	2	SW	7	60	—	1
Valencia ...	30.039	57	55	SW	5	6	SSW	9	f m	0.02	3
Cape Clear ...	30.049	59	57	SW	4	3	SSW	8	0	—	3
Roche's Point	30.086	58	55	SW	3	4	SW	9	00	—	3
Pembroke ...	30.136	56	54	SSW	3	3	S	9	0 m	—	2
Penzance ...	30.192	64	59	WSW	4	3	S	8	00	—	3
Plymouth ...	30.202	61	57	SSW	2	3	S	1	b	—	1
Portsmouth ...	30.149	61	58	Z	0	2	W	3	c	—	0
Dover ...	30.12	63	59	SW	1	1	SSW	1	b	—	0
London ...	30.155	62	57	W	2	4	SW	0	cb	—	—
Helder ...	30.10	59	—	WSW	3	—	—	—	—	—	2
Cape Gris Nez	30.15	61	57	SW	1	4	WSW	0	fb	—	1
Brest ...	30.152	57	55	N	1	4	NNW	0	fb	—	4
L'Orient ...	30.202	55	53	N	4	4	SE	0	fb	—	2
Rochefort ...	30.152	64	62	N	4	5	NW	0	b	—	3
Biarritz...	30.262	64	60	W	5	5	W	8	0	—	4
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...	30.192	64	60	E	1	4	ESE	2	b	—	2
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

Skudesnaes ...											
Nairn ...											
Scarborough ...											
Greencastle ...											
Valencia ..											
Penzance ...											
London...											
Rochefort ...											

## EXPLANATION OF THE COLUMNS.

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. **Z.**—calm. **WEATHER**: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squally; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extremely high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



## REMARKS.

Tues-day

The distribution of barometrical pressure has scarcely changed since yesterday. The highest reading is at L' Orient and is 0.33 in. higher than that at Thurso.

Temperature also is little altered beyond a slight increase in the east and north.

Light to moderate SW<sup>ly</sup> breezes continue on our coasts, while the E<sup>ly</sup> wind in France has backed to N but is still light.

The sky is clearer on the south and east coasts, very cloudy elsewhere. The sea is calm on the whole.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Date.	Station.	Bar.	Temp.		Wind.		Extremes.		Cloud.	Weather.	Rain.	Sea
JUNE												
13 <sup>TH</sup>	Wick	29.867	58	55	WNW	4	4	ESE	8	o	0.10	2
"	Naism	29.895	58	56	W	1	1	ENE	8	o	0.15	1
"	Aberdeen	29.937	58	55	SW	1	3	SE	8	o	0.11	1
"	Leith	29.957	59	58	SW	2	2	N	9	nm	0.19	—
"	Ardrossan	30.017	56	54	SW	4	6	WSW	8	no	0.22	3
"	Helder	30.15	57	—	WSW	4	—	—	—	—	—	2
"	Brussels	30.23	59	—	WSW	3	—	—	—	c	—	—
"	Paris	30.29	60	—	NNW	1	—	—	—	f	—	—
"	Hearts Content	30.197	44	40	SW	3	3	NNE	3	bc	—	3

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT. 1870.

Wednesday

June 15<sup>th</sup>

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturbance (0 to 9)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.92	50	50	SW	6	4	NNE	—	o	—	3
* Skudesnaes	30.06	53	51	SE	4	0	Z	—	co	—	3
* Oxo (Christiansund)	30.08	53	50	WSW	4	6	SW	—	b	—	3
Thurso	30.00r	59	51	SSW	2	4	WNW	3	c	0.02	0
Wick	30.00r	58	55	SSE	3	3	SSW	6	c	—	2
Nairn	30.01r	56	53	W	2	3	W	4	oc	0.06	1
Aberdeen	30.05r	56	52	WSW	1	3	SW	8	co	—	0
Leith	30.04r	60	57	NE	2	4	WSW	2	cb	0.01	—
Shields	—	64	60	SW	3	2	WSW	2	c	—	1
Scarborough	30.12r	67	61	WSW	2	3	SSE	2	cb	—	2
Yarmouth	30.18r	65	62	SE	1	2	ESE	0	b	—	1
Ardrossan	30.09r	55	53	WSW	2	3	SW	4	c	0.04	1
Greencastle	30.045	57	54	Z	0	3	WSW	7	nc	0.06	—
Holyhead	30.12r	54	54	SSW	3	5	SSW	9	of	—	—
Liverpool	30.12r	63	58	SE	1	1	S	0	cb	—	1
Valencia	30.08f	58	56	SSW	3	4	WSW	6	c	—	3
Cape Clear	30.05f	59	57	NW	1	2	W	2	cf	0.07	1
Roche's Point	30.07f	57	57	SSW	3	3	SW	9	m	0.04	2
Pembroke	30.14f	57	55	SSW	2	3	SSW	7	fc	—	2
Penzance	30.19f	59	57	S	2	4	WSW	9	or	0.04	2
Plymouth	30.22f	61	58	SSW	2	3	WSW	7	cf	—	1
Portsmouth	30.19r	62	59	WNW	2	3	W	6	c	—	1
Dover	30.18r	64	61	SSW	1	1	SSW	0	b	—	0
London	30.19r	65	59	WSW	1	3	SW	5	bom	—	—
Helder	30.18	63	—	SE	2	—	—	—	—	—	2
Cape Gris Nez	30.20r	59	52	WSW	1	4	W	0	b	—	1
Brest	30.19f	58	56	SSE	3	3	SSE	8	fo	—	2
L'Orient	—	—	—	—	—	—	—	—	—	—	—
Rochefort	—	—	—	—	—	—	—	—	—	—	—
Biarritz	—	—	—	—	—	—	—	—	—	—	—
Corunna	—	—	—	—	—	—	—	—	—	—	—
Brussels	—	—	—	—	—	—	—	—	—	—	—
Paris	—	—	—	—	—	—	—	—	—	—	—
Strasbourg	—	—	—	—	—	—	—	—	—	—	—
Lyons	—	—	—	—	—	—	—	—	—	—	—
Toulon	30.19r	64	64	ENE	3	1	W	7	cf	—	2
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

## 2 P.M. REPORT.

Skudesnaes	—	—	—	—	—	—	—	—	—	—	—
Nairn	—	—	—	—	—	—	—	—	—	—	—
Scarborough	—	—	—	—	—	—	—	—	—	—	—
Greencastle	—	—	—	—	—	—	—	—	—	—	—
Valencia	—	—	—	—	—	—	—	—	—	—	—
Penzance	—	—	—	—	—	—	—	—	—	—	—
London	—	—	—	—	—	—	—	—	—	—	—
Rochefort	—	—	—	—	—	—	—	—	—	—	—

## EXPLANATION OF THE COLUMNS.

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. Z.—calm.  
**WEATHER**: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squally; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extremely high sea.  
 N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.  
 \* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



# REMARKS.

Wednesday

The barometer has risen very slightly on our north and east coasts since yesterday, but elsewhere there is no change to report. The reading at Plymouth is 0.21 in. higher than that at Haïron.

Temperature is not materially altered.

The winds are still very light and variable, principally from the SW<sup>nd</sup> on our coasts.

Slight rain has fallen at some stations, and in the western districts the sky continues cloudy. The sea is calm.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Date.	Station.	Bar.	Temp.		Wind.		Extreme.		Cloud.	Weather.	Rain.	Sea.
JUNE												
14 <sup>TH</sup>	Corunna	30.28	66	-	NE	-	-	-	-	c	-	2
"	Brussels	30.16	61	-	SSW	3	-	-	-	b	-	-
"	Paris	29.90	64	-	S	1	-	-	-	b	-	-
"	Strasbourg	-	66	-	E	3	-	-	-	b	-	-
"	Lyon	30.14	64	-	SE	3	-	-	-	b	-	-
"	Heart's Content	30.10+	46	44	WSW	1	3	SW	2	b	-	2

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT. 1870.

Thursday

June 16<sup>th</sup>

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.99	50	49	Z	0	0	Z	—	bc	—	3
* Skudesnaes ...	30.06	55	52	SE	4	4	S	—	cc	—	3
* Oxo (Christiansand)	30.11	55	53	SSW	2	4	SW	—	fc	—	1
Thurso ...	29.87 $\frac{1}{2}$	58	54	Z	0	2	SSW	5	c	0.01	0
Wick ...	29.86 $\frac{1}{2}$	58	55	SSE	2	2	SSE	6	c	—	2
Nairn ...	29.87 $\frac{1}{2}$	61	56	WSW	1	1	WSW	5	bc	—	1
Aberdeen ...	29.92 $\frac{1}{2}$	59	57	SSW	1	3	SSE	8	cc	0.02	1
Leith ...	29.91 $\frac{1}{2}$	61	57	WSW	2	3	WSW	7	c	0.28	—
Shields ...	—	65	62	WSW	2	3	SSW	7	c	—	1
Scarborough ...	30.00 $\frac{1}{2}$	66	61	SW	3	2	SSE	7	c	—	2
Yarmouth ...	30.11 $\frac{1}{2}$	66	63	SE	2	3	ESE	4	c	—	1
Ardrossan ...	29.94 $\frac{1}{2}$	56	54	WSW	3	2	SE	6	c	0.11	2
Greencastle ...	29.91 $\frac{1}{2}$	57	55	WSW	1	1	SW	9	cc	0.25	—
Holyhead ...	30.09 $\frac{1}{2}$	54	53	S	3	3	S	9	fom	0.11	—
Liverpool ...	29.99 $\frac{1}{2}$	64	61	S	1	1	S	7	cc	—	1
Valencia ...	29.96 $\frac{1}{2}$	55	54	SSW	1	4	S	7	cc	0.18	2
Cape Clear ...	29.92 $\frac{1}{2}$	55	54	—	1	2	SW	8	cfr	0.30	1
Roche's Point	29.93 $\frac{1}{2}$	52	52	SW	3	4	SW	9	mfr	0.42	3
Pembroke ...	29.99 $\frac{1}{2}$	56	55	SSE	2	3	SSE	9	fo	0.05	2
Penzance ...	30.02 $\frac{1}{2}$	58	57	SSE	2	3	S	9	fo	0.05	2
Plymouth ...	30.03 $\frac{1}{2}$	62	60	S	2	4	S	5	m	0.02	1
Portsmouth ...	30.04 $\frac{1}{2}$	64	59	SE	2	3	W	6	c	—	1
Dover ...	30.08 $\frac{1}{2}$	65	61	WSW	1	1	WSW	1	b	—	1
London ...	30.08 $\frac{1}{2}$	60	62	Z	0	3	SW	5	bc	—	—
Helder ...	30.12	62	—	SW	2	—	—	—	—	—	2
Cape Gris Nez	30.11 $\frac{1}{2}$	60	60	WSW	1	4	SW	3	bc	—	1
Brest ...	30.02 $\frac{1}{2}$	57	55	WSW	1	4	SSE	9	bf	—	4
L'Orient ...	30.04 $\frac{1}{2}$	59	57	E	1	4	NW	4	bc	—	1
Rochefort ...	30.06 $\frac{1}{2}$	67	65	E	3	5	NW	0	b	—	2
Biarritz ...	30.06 $\frac{1}{2}$	61	59	E	1	4	N	9	bo	—	5
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	30.17 $\frac{1}{2}$	68	63	SE	1	1	SSE	1	b	—	1
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

## 2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Nairn ...	—	—	—	—	—	—	—	—	—	—	—
Scarborough ...	—	—	—	—	—	—	—	—	—	—	—
Greencastle ...	—	—	—	—	—	—	—	—	—	—	—
Valencia ..	—	—	—	—	—	—	—	—	—	—	—
Penzance ...	—	—	—	—	—	—	—	—	—	—	—
London ...	—	—	—	—	—	—	—	—	—	—	—
Rochefort ...	—	—	—	—	—	—	—	—	—	—	—

## EXPLANATION OF THE COLUMNS.

**BAROMETER** corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. **Z.**—calm. **WEATHER**: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squalls; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extremely high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



## REMARKS.

Thursday

The barometer has fallen somewhat at all stations since yesterday, but the change being very uniform the relative distribution of pressure is unaltered. The reading at Rochefort is 0.20 in. higher than that at Wick.

Temperature has fallen a few degrees on our western coasts but remains very high in the east and south of England.

Winds continue light and variable from the S<sup>W</sup> on our coasts and from the E<sup>W</sup> in the west of France.

Rain & fog are reported from our western stations and elsewhere the sky is rather cloudy. The sea is calm.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Date.	Station.	Bar.	Temp.		Wind.		Extreme.		Cloud.	Weather.	Rain.	Sea.
JUNE												
15 <sup>TH</sup>	L' Orient	30.257	?	?	E	3	5	WNW	2	bc	—	2
—	Rochefort	30.217	63	63	W	1	5	W	0	b	—	1
—	Biarritz	30.257	63	58	E	1	4	W	9	mo	—	3
—	Comuna	30.10	67	—	NE	3	—	—	—	b	—	2
—	Brussels	30.15	64	—	W	1	—	—	—	f	—	—
—	Paris	30.20	59	—	NW	2	—	—	—	b	—	—
—	Strasbourg	—	67	—	? N	3	—	—	—	b	—	—
—	Lyon	30.16	73	—	SE	1	—	—	—	c	—	—
—	Heart's Content	29.627	53	52	WSW	6	6	WSW	8	cf	—	5

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT. 1870.

June 17<sup>th</sup>

Fri-day

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund								—		—	
* Skudesnaes ...								—		—	
* Oxo (Christiansand)								—		—	
Thurso ...	29.88r	55	51	NE	1	1	ENE	2	cb	0.16	0
Wick ...	"										
Nairn ...	29.88f	57	49	W	1	2	W	1	cb	—	1
Aberdeen ...											
Leith ...	29.88f	59	56	NW	2	2	W	6	om	0.06	—
Shields ...											
Scarborough ...	29.82f	59	58	S	1	2	SSW	9	to	0.96	2
Yarmouth ...	29.84f	59	59	ENE	3	4	NE	6	tc	0.20	3
Ardrossan ...	29.91f	56	52	NNW	3	2	W	2	cb	0.02	2
Greencastle ...	29.95f	55	53	WSW	1	1	WSW	4	nc	0.09	—
Holyhead ...	29.90f	54	53	WNW	1	2	S	9	no	0.24	—
Liverpool ...	29.85f				1	2	WNW	8	nlo	0.18	2
Valencia ...	29.98f	56	54	SSW	2	3	NW	7	cp	0.01	2
Cape Clear ...	29.96r	58	56	SW	1	4	NW	7	c	—	1
Roche's Point	29.97r	56	53	S	1	4	N	7	nc	0.33	1
Pembroke ...	29.92s	52	51	WNW	3	3	NW	9	fr	0.07	2
Penzance ...	30.03r	60	56	WNW	5	3	SSE	5	oc	0.17	4
Plymouth ...	29.96r	57	54	WNW	5	3	S	7	o	0.06	2
Portsmouth ...	29.91r	60	58	SW	3	3	SE	9	tr	0.13	2
Dover ...	29.89f	61	59	SSW	5	1	WSW	4	bc	?	4
London ...	29.88f	61	58	WSW	4	5	SW	9	Lto	0.38	—
Helder ...								—		—	
Cape Gris Nez	29.91f	55	55	WSW	1	1	NE	9	cm	0.04	5
Brest ...	30.06r	56	52	SW	4	4	SW	3	nb	0.04	3
L'Orient ...											
Rochefort ...											
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...	30.18r	67	63	WSW	3	1	SE	0	b	—	2
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

Skudesnaes ...											
Nairn ...											
Scarborough ...											
Greencastle ...											
Valencia ..											
Penzance ...											
London ...											
Rochefort ...											

## EXPLANATION OF THE COLUMNS.

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. Z.—calm. **WEATHER**: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squally; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extremely high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



# REMARKS.

Fri-day

The barometer has again fallen briskly throughout the eastern parts of our Islands, but in the west a recovery has taken place which has extended to London since 2 a.m. Pressure is unsteady though still comparatively uniform, and the difference between the readings at Penzance and Scarborough is only 0.21 in.

Temperature has now risen a little in the west, but the fall noticed there yesterday has extended to our other coasts.

The winds have varied considerably and are now SW<sup>ly</sup> in Ireland, NW<sup>ly</sup> in the west of Gt. Britain, and chiefly SW<sup>ly</sup> in the east.

Rain has fallen nearly everywhere, thunderstorms being reported from the north, east, and south-east of England. The sky continues very cloudy. The sea is moderate in the Channel calm elsewhere.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

*Reports received too late for insertion in their proper places.*

Date.	Station.	Bar.	Temp.		Wind.		Extreme.		Cloud.	Weather.	Rain.	Sea.
JUNE												
16 <sup>th</sup>	Coruna	30.12	66	-	SW	3	-	-	-	o	-	4
"	Brussels	30.11	67	-	E	1	-	-	-	b	-	-
"	Paris	30.11	67	-	ENE	1	-	-	-	f	-	-
"	Strasbourg	-	71	-	E	1	-	-	-	b	-	-
"	Lyon	30.16	72	-	S	3	-	-	-	b	-	-
"	Hearts Content	29.81+	52	48	NNE	11	-	-	1	f b	-	1

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT. 1870.

June 18<sup>th</sup>

Saturday

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturbance (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
*Christiansund	29.73	51	51	NNE	2	4	ENE	—	of	—	2
*Skudesnaes ...	29.70	55	53	S	6	4	NNE	—	o	—	4
Oxo (Christiansand)	29.80	54	54	S	4	4	SSE	—	no	—	2
Thurso ...	29.76 $\frac{1}{2}$	58	52	SSE	5	2	NE	4	c	—	1
Wick ...	29.77 $\frac{1}{2}$	56	54	ESE	3	1	ESE	5	c	—	2
Nairn ...	29.74 $\frac{1}{2}$	57	55	W	1	1	ENE	8	bo	—	1
Aberdeen ...	29.81 $\frac{1}{2}$	58	53	SSW	2	1	E	3	c	—	1
Leith ...	29.81 $\frac{1}{2}$	56	52	S	2	2	E	7	bcp	—	—
Shields ...	—	57	53	SW	2	3	NNE	6	oc	—	2
Scarborough...	29.95 $\frac{1}{2}$	58	55	SW	2	2	NNW	7	bc	0.15	2
Yarmouth ...	30.05 $\frac{1}{2}$	60	58	SSW	2	3	SE	4	c	0.12	2
Ardrossan ...	29.84 $\frac{1}{2}$	54	52	SSW	4	2	WSW	8	br	0.09	3
Greencastle ...	29.88 $\frac{1}{2}$	59	56	WNW	3	2	E	5	nc	0.16	—
Holyhead ...	29.92 $\frac{1}{2}$	54	54	SSW	3	2	WNW	9	co	—	—
Liverpool ...	29.90 $\frac{1}{2}$	61	57	SSE	3	2	W	8	co	—	1
Valencia ...	30.01 $\frac{1}{2}$	58	56	NW	3	4	S	7	na	0.16	2
Cape Clear ...	—	—	—	—	—	—	—	—	—	—	—
Roche's Point	29.94 $\frac{1}{2}$	60	57	W	3	4	SSW	7	mc	0.06	3
Pembroke ...	29.96 $\frac{1}{2}$	56	56	WSW	4	3	WSW	9	of	0.03	3
Penzance ...	30.04 $\frac{1}{2}$	61	60	W	4	5	WNW	9	o	0.13	3
Plymouth ...	30.08 $\frac{1}{2}$	61	59	SW	2	4	W	9	co	0.15	2
Portsmouth ...	30.06 $\frac{1}{2}$	60	59	WSW	3	5	WNW	9	o	0.01	2
Dover ...	30.08 $\frac{1}{2}$	55	54	SSW	3	5	SSW	8	co	—	3
London ...	30.05 $\frac{1}{2}$	59	57	WSW	3	1	WNW	9	cbo	0.01	—
Helder ...	30.06	59	—	SW	3	—	—	—	—	—	2
Cape Gris Nez	30.12 $\frac{1}{2}$	56	54	WSW	5	8	W	9	bo	—	4
Brest ...	30.11 $\frac{1}{2}$	57	57	WSW	4	5	SSW	9	m	0.08	4
L'Orient ...	30.21 $\frac{1}{2}$	60	60	—	4	5	W	9	er	0.08	3
Rochefort ...	30.21 $\frac{1}{2}$	64	62	NW	3	5	NW	2	oh	—	3
Biarritz...	30.28 $\frac{1}{2}$	64	59	E	3	4	N	6	oc	—	5
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon...	30.12 $\frac{1}{2}$	69	64	NNW	3	4	W	7	bo	—	2
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

## 2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Nairn ...	—	—	—	—	—	—	—	—	—	—	—
Scarborough...	—	—	—	—	—	—	—	—	—	—	—
Greencastle ...	—	—	—	—	—	—	—	—	—	—	—
Valencia ..	—	—	—	—	—	—	—	—	—	—	—
Penzance ...	—	—	—	—	—	—	—	—	—	—	—
London...	—	—	—	—	—	—	—	—	—	—	—
Rochefort ...	—	—	—	—	—	—	—	—	—	—	—

## EXPLANATION OF THE COLUMNS.

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. **Z.**—calm.  
**WEATHER**: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squalls; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extreme high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.  
 \* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



## REMARKS.

Saturday

Since yesterday morning the barometer has fallen somewhat at the northern stations, while a rise has taken place in the south and south-west. Pressure is consequently lowest in the north, and the reading at Bains is less by 0.47 in. than that at L'Orient.

Temperature has changed irregularly but is now a little higher, except at the south-eastern stations, than it was yesterday.

The winds are light everywhere, and tend to circulate round the region of lowest barometer—being NW<sup>4</sup> in Ireland, W<sup>4</sup> in the Channel, and SW<sup>4</sup> on the east coasts.

The rain at Scarborough yesterday was very heavy; but at our other stations, slight.

The sky continues very cloudy and the weather rather showery.

The sea is moderate in the Bay of Biscay, calm elsewhere.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Date.	Station.	Bar.	Temp.		Wind.		Extreme.		Cloud.	Weather.	Rain.	Sea.
JUNE												
17 <sup>TH</sup>	Christiansund	29.93	50	49	SW	4	4	SE	—	c	—	3
—	Skudesnaes	29.95	53	52	S	4	6	S	—	a	—	4
—	Oxö	30.00	59	57	NNW	2	2	SSW	—	cf	—	1
—	Wick	29.89+	55	52	ESE	1	2	ESE	5	lc	—	1
—	Aberdeen	29.89f	55	53	N	1	1	SSW	8	co	0.03	1
—	Shields	—	55	54	NE	5	4	S	8	om	?	3
—	Helder	29.82	71	—	SW	5	—	—	—	—	—	—
—	L'Orient	30.15+	58	56	WNW	4	5	WNW	5	c	—	3
—	Rochefort	30.16+	64	62	SW	4	5	NW	5	bc	—	2
—	Biarritz	30.19+	64	62	S	1	5	W	9	a	—	5
—	Corunna	30.22	67	—	NE	1	—	—	—	c	—	2
—	Brussels	29.40	71	—	SW	3	—	—	—	no	—	—
—	Paris	30.05	63	—	W	2	—	—	—	a	—	—
—	Strasbourg	—	75	—	SE	6	—	—	—	c	—	—
—	Lyons	30.10	72	—	S	3	—	—	—	b	—	—
—	Heart's Content	29.75f	41	40	NNE	2	4	SSE	8	bf	—	2

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT 1870.

Sunday

June 19<sup>th</sup>

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturbance (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.94	49	48	Z	0	0	Z	—	o	—	2
* Skudesnaes ...	29.98	51	50	SSE	2	4	SW	—	of	—	4
* Oxo (Christiansand)	29.97	55	53	WSW	4	6	SW	—	cb	—	3
Thurso ...	29.91r	57	53	SSW	5	5	NW	6	oc	0.02	0
Wick ...	29.84f	56	55	SE	3	3	ESE	7	c	—	2
Nairn ...	29.92f	59	54	W	2	1	W	6	pc	0.08	1
Aberdeen ...	30.00r	60	55	SW	3	1	NW	7	bc	—	1
Leith ...	30.03r	60	57	WSW	4	5	WSW	8	ba	—	—
Shields ...	—	62	54	SW	2	3	W	5	e	—	2
Scarborough ...	30.16r	66	61	W	2	2	WSW	9	co	—	2
Yarmouth ...	30.22r	68	64	S	2	3	SW	2	cb	—	2
Ardrossan ...	30.08r	56	54	S	2	5	SW	7	cr	0.20	1
Greencastle ...	29.97f	59	58	W	4	5	WNW	9	ra	0.06	—
Holyhead ...	30.17r	56	54	SSW	5	3	SSW	7	co	—	—
Liverpool ...	30.15r	63	58	SE	2	2	W	3	cb	—	0
Valencia ...	30.13f	60	59	S	4	4	SSW	8	co	—	3
Cape Clear ...	—	—	—	—	—	—	—	—	—	—	—
Roche's Point	30.17f	60	59	SW	3	3	SW	9	cm	—	3
Pembroke ...	30.12s	57	55	SW	3	3	WSW	9	of	—	2
Penzance ...	30.29r	64	59	W	3	3	WNW	4	c	—	2
Plymouth ...	30.29r	60	55	W	2	3	SW	7	c	—	1
Portsmouth ...	30.27r	61	58	W	2	4	WSW	3	oc	—	—
Dover ...	30.23r	58	57	SSW	2	2	SSW	8	of	—	2
London ...	30.24r	64	61	NW	3	3	W	3	cb	0.06	—
Helder ...	—	—	—	—	—	—	—	—	—	—	—
Cape Gris Nez	30.27r	56	56	SW	4	5	SW	9	mo	—	3
Brest ...	30.26r	58	58	W	3	4	WSW	9	mf	0.01	2
L'Orient ...	30.32r	59	59	N	1	4	W	9	o	0.01	2
Rochefort ...	30.28f	64	62	N	4	5	NW	6	bc	—	3
Biarritz ...	30.28s	68	64	WSW	1	4	N	2	c	—	3
Corunna ...	30.17	68	—	NE	1	—	—	—	b	—	2
Brussels ...	30.25	63	—	WSW	3	—	—	—	o	—	—
Paris ...	30.25	65	—	ENE	1	—	—	—	o	—	—
Strasbourg ...	—	68	—	NW	1	—	—	—	b	—	—
Lyons ...	30.22	73	—	N	3	—	—	—	b	—	—
Toulon ...	30.10r	77	64	—	2	7	WNW	0	b	—	2
Heart's Content (9 a.m. local time.)	30.06r	45	43	NNE	2	2	NNE	4	bc	0.35	3

## 2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Nairn ...	—	—	—	—	—	—	—	—	—	—	—
Scarborough ...	—	—	—	—	—	—	—	—	—	—	—
Greencastle ...	—	—	—	—	—	—	—	—	—	—	—
Valencia ..	—	—	—	—	—	—	—	—	—	—	—
Penzance ...	—	—	—	—	—	—	—	—	—	—	—
London ...	—	—	—	—	—	—	—	—	—	—	—
Rochefort ...	—	—	—	—	—	—	—	—	—	—	—

## EXPLANATION OF THE COLUMNS.

**BAROMETER** corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER** dry and wet, exposed in shade. **WIND: EXTREME FORCE** with its Direction, during last 24 hours. Z.—calm. **WEATHER**. b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squally; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extreme high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.  
\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



day

CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

*Reports received too late for insertion in their proper places.*

[illegible]

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT. 1870.

June 20<sup>th</sup>

Mon-day

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturbance (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
*Christiansund	29.74	52	50	W	8	2	NNE	—	bc	—	—
*Skudesnaes ...	29.85	52	53	SSW	4	2	SW	—	cor	—	3
*Oxo (Christiansand)	29.89	54	53	SW	4	6	WSW	—	bo	—	3
Thurso ...	29.84r	56	52	WSW	5	5	SW	6	oc	0.08	2
Wick ...	29.86r	59	56	W	5	4	SW	8	co	—	2
Nairn ...	29.88r	57	53	W	2	3	W	6	c	—	2
Aberdeen ...	29.94r	62	56	W	1	4	SW	4	c	0.08	1
Leith ...	30.03r	58	52	W	6	5	W	3	co	0.09	—
Shields ...	—	60	55	W	5	5	W	2	b	—	1
Scarborough ...	30.13r	60	56	W	2	3	W	8	co	—	2
Yarmouth ...	30.19r	63	60	WSW	2	3	SSE	6	c	—	2
Ardrossan ...	30.09r	57	53	W	4	6	SW	6	c	0.12	3
Greencastle ...	30.13r	56	53	WNW	4	5	W	6	rc	0.03	—
Holyhead ...	30.21r	58	55	WSW	1	6	SSW	3	oc	—	—
Liverpool ...	30.19	61	56	W	3	2	W	2	c	—	1
Valencia ...	30.26r	61	58	SW	2	—	—	6	c	0.01	4
Cape Clear ...	—	—	—	—	—	—	—	—	—	—	—
Roche's Point	30.24r	58	55	SW	2	3	SW	2	mb	—	2
Pembroke ...	30.25r	56	56	WSW	3	4	SSW	9	of	—	2
Penzance ...	30.34r	63	61	NW	3	3	W	6	c	—	2
Plymouth ...	30.33r	61	59	WSW	2	4	W	7	cm	—	1
Portsmouth ...	30.26s	63	60	WNW	3	4	W	6	c	—	2
Dover ...	30.24s	57	57	SSW	2	2	SSW	8	of	—	3
London ...	30.24s	64	60	SW	3	5	WSW	1	bo	—	—
Helder ...	30.16	61	—	SW	6	—	—	—	—	—	4
Cape Gris Nez	30.26r	54	54	SW	4	4	SW	9	f	—	3
Brest ...	—	—	—	—	—	—	—	—	—	—	—
L'Orient ...	—	—	—	—	—	—	—	—	—	—	—
Rochefort ...	30.26r	68	64	NW	3	5	NW	0	b	—	3
Biarritz ...	—	—	—	—	—	—	—	—	—	—	—
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	—	—	—	—	—	—	—	—	—	—	—
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

## 2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Nairn ...	—	—	—	—	—	—	—	—	—	—	—
Scarborough ...	—	—	—	—	—	—	—	—	—	—	—
Greencastle ...	—	—	—	—	—	—	—	—	—	—	—
Valencia ..	—	—	—	—	—	—	—	—	—	—	—
Penzance ...	—	—	—	—	—	—	—	—	—	—	—
London ...	—	—	—	—	—	—	—	—	—	—	—
Rochefort ..	—	—	—	—	—	—	—	—	—	—	—

## EXPLANATION OF THE COLUMNS.

**BAROMETER** corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. **WEATHER**: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squalls; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extreme.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.  
\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



# REMARKS.

Mon-day

The barometer had risen slightly at all stations yesterday since which time there has been a decrease of about 0.2 in. on the Norwegian coast while in the west of our Islands the rise has continued. Pressure is highest at Porsmance where it exceeds that at Christiansund by 0.60 in.

Temperature has risen again at the eastern stations since Saturday and remains high generally.

Light W<sup>4</sup> and SW<sup>4</sup> breezes continue prevalent in this country but a NE<sup>4</sup> breeze is again reported from Rochefort.

The sky is very cloudy and some slight showers are reported from different parts of the Kingdom. The sea is calm.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Date.	Station.	Bar.	Temp.		Wind.		Extreme.		Cloud.	Weather.	Rain.	Sea.
JUNE												
18 <sup>TH</sup>	Copenhagen	30.24	67	-	NE	1	-	-	-	6	-	2
"	Brussels	30.29	68	-	SW	3	-	-	-	6	-	-
"	Paris	30.17	63	-	SSE	2	-	-	-	0	-	-
"	Strasbourg	-	71	-	W	3	-	-	-	2	-	-
"	Lyon	30.22	75	-	S	3	-	-	-	2	-	-
"	Heart's Content	29.87	54	53	N	1	2	NNE	2	fb	-	1

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT. 1870.

June 21<sup>st</sup>

Tuesday

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturbance (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
*Christiansund	29.96	51	50	WSW	6	4	WSW	—	co	—	3
*Skudesnaes ...	30.10	53	50	WNW	6	4	W	—	co	—	4
*Oxo (Christiansand)	29.95	57	50	WNW	8	6	WNW	—	bo	—	4
Thurso ...	30.125	60	57	N	1	6	WNW	6	co	—	0
Wick ...	30.135	60	59	SSE	3	5	W	8	co	—	2
Nairn ...	30.145	65	60	W	3	1	W	7	co	—	2
Aberdeen ...	30.195	69	62	S	1	2	NW	1	b	—	1
Leith ...	30.235	67	63	W	4	5	W	8	bo	—	—
Shields ...	—	67	64	WNW	5	5	W	1	cb	—	1
Scarborough ...	30.295	71	65	W	2	3	WNW	3	c	—	2
Yarmouth ...	30.355	66	62	NE	1	3	SW	0	cb	—	1
Ardrossan ...	30.285	60	58	WSW	4	2	SSW	5	c	—	3
Greencastle ...	30.265	63	61	SW	1	4	WNW	8	co	—	—
Holyhead ...	30.335	68	66	SSW	2	3	SW	7	bo	—	—
Liverpool ...	30.325	68	63	W	1	2	W	6	c	—	1
Valencia ...	30.365	61	60	SSW	2	3	SW	8	f	0.02	3
Cape Clear ...	—	—	—	—	—	—	—	—	—	—	—
Roche's Point	30.345	60	58	SW	1	3	SW	9	f	—	1
Pembroke ...	30.355	57	56	SSE	1	3	W	9	f	—	1
Penzance ...	30.375	65	60	ESE	1	3	NW	1	cb	—	1
Plymouth ...	30.335	65	60	Z	0	3	NW	1	b	—	1
Portsmouth ...	30.355	66	61	Z	0	3	W	3	c	—	0
Dover ...	30.335	64	64	SSE	2	2	SSE	0	cb	—	1
London ...	30.365	67	61	WSW	1	2	SW	9	cbm	—	—
Helder ...	30.30	60	—	WNW	3	—	—	—	—	—	2
Cape Gris Nez	30.365	58	56	NE	1	5	NE	0	of	—	1
Brest ...	30.295	62	58	NNE	3	4	NNW	1	cb	—	2
L'Orient ...	30.355	61	59	ENE	5	5	W	1	cb	—	2
Rochefort ...	30.265	70	65	E	4	5	NW	0	b	—	3
Biarritz ...	30.245	66	64	SW	1	4	W	9	co	—	3
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	30.185	72	65	NE	3	3	ESE	3	c	—	2
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

## 2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Nairn ...	—	—	—	—	—	—	—	—	—	—	—
Scarborough ...	—	—	—	—	—	—	—	—	—	—	—
Greencastle ...	—	—	—	—	—	—	—	—	—	—	—
Valencia ...	—	—	—	—	—	—	—	—	—	—	—
Penzance ...	—	—	—	—	—	—	—	—	—	—	—
London ...	—	—	—	—	—	—	—	—	—	—	—
Rochefort ...	—	—	—	—	—	—	—	—	—	—	—

## EXPLANATION OF THE COLUMNS.

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. **WEATHER**: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l. lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squally; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extreme high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.  
\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



# REMARKS.

Tues. day

Barometrical readings continue to increase especially in the north, and are now very uniformly high over our Islands. The reading at Penzance is only 0.25 in. higher than that at Thurso and 0.42 in. higher than that at Oso.

Temperature continues to increase generally and is very high in the east of <sup>Gr</sup> Britain.

The winds remain light from the <sup>W</sup> in the greater part of the British Isles, with calms in the Channel and light E<sup>l</sup> breezes in the west of France. In Norway the W<sup>l</sup> wind is rather strong.

The sky is yet cloudy in the west and north-west but clear on the eastern and southern coasts; and the weather is fine generally. The sea is calm.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Date.	Station.	Bar.	Temp.		Wind.		Extreme.		Cloud.	Weather.	Rain.	Sea.
JUNE												
20 <sup>TH</sup>	Brest	30.29+	59	57	N	1	3	W	5	bc	—	3
"	L'orient	30.37+	55	55	E	4	5	WNW	9	bf	—	2
"	Biarritz	30.29+	64	60	W	3	4	N	7	co	—	3
"	Comuna	30.20	70	—	NE	6	—	—	—	b	—	4
"	Brussels	30.25	62	—	S	3	—	—	—	c	—	—
"	Paris	30.28	63	—	NW	2	—	—	—	c	—	—
"	Strasbourg	—	68	—	NW	2	—	—	—	c	—	—
"	Lyon	30.24	73	—	NW	1	—	—	—	b	—	—
"	Heart's Content	30.27+	46	44	WSW	3	3	WSW	6	bc	—	3

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT. 1870.

June 22<sup>nd</sup>

Wednesday

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturbance (0 to 9)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	30.10	65	55	ESE	4	6	WSW	—	cb	—	2
* Skudesnaes ...	30.15	55	53	SSE	2	4	WNW	—	b	—	2
* Oxo (Christiansand)	30.11	62	54	ENE	2	4	WNW	—	b	—	1
Thurso ...	30.14 <sup>r</sup>	61	54	W	5	3	SSW	4	c	0.02	1
Wick ...	30.14 <sup>r</sup>	60	58	W	4	3	SSE	7	c	—	2
Nairn ...	30.18 <sup>r</sup>	59	53	W	2	2	W	2	b	—	1
Aberdeen ...	30.20 <sup>r</sup>	64	57	ENE	1	2	SW	0	b	—	1
Leith ...	30.25 <sup>r</sup>	62	56	W	5	3	W	2	b	—	1
Shields ...	—	68	64	NW	4	4	NW	1	cb	—	2
Scarborough ...	30.26 <sup>f</sup>	69	65	SE	1	2	WNW	2	cb	—	1
Yarmouth ...	30.30 <sup>f</sup>	68	65	SW	1	2	SE	4	c	—	1
Ardrossan ...	—	—	—	—	—	—	—	—	—	—	—
Greencastle ...	30.30 <sup>r</sup>	57	53	WNW	2	1	SW	9	o	—	—
Holyhead ...	30.32 <sup>r</sup>	60	58	WNW	2	3	SSW	7	c	—	—
Liverpool ...	30.29 <sup>f</sup>	65	61	NW	1	1	WNW	3	bc	—	1
Valencia ...	30.39 <sup>r</sup>	58	54	NNW	4	3	WSW	2	fb	—	3
Cape Clear ...	—	—	—	—	—	—	—	—	—	—	—
Roche's Point	30.32 <sup>r</sup>	59	55	N	4	4	N	6	fc	—	2
Pembroke ...	30.30 <sup>f</sup>	59	57	Z	0	2	WNW	0	f	—	1
Penzance ...	30.31 <sup>f</sup>	67	62	NE	3	2	SE	2	b	—	3
Plymouth ...	30.30 <sup>f</sup>	67	62	Z	0	2	S	1	bf	—	1
Portsmouth ...	30.29 <sup>f</sup>	68	65	SW	1	2	S	3	c	—	1
Dover ...	30.30 <sup>f</sup>	66	62	SE	1	1	SE	0	b	—	0
London ...	30.29 <sup>s</sup>	72	65	NW	1	2	N	7	mbc	—	—
Helder ...	30.25	63	—	W	1	—	—	—	—	—	—
Cape Gris Nez	30.32 <sup>r</sup>	66	64	Z	0	1	NE	0	b	—	1
Brest ...	30.15 <sup>f</sup>	66	61	ENE	3	5	NNE	0	b	—	3
L'Orient ...	30.23 <sup>r</sup>	67	63	E	4	4	SW	0	b	—	2
Rochefort ...	30.13 <sup>f</sup>	71	64	ENE	4	4	ESE	0	b	—	3
Biarritz ...	30.06 <sup>f</sup>	73	66	SW	3	4	SSW	0	cb	—	4
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	30.02 <sup>f</sup>	75	66	E	3	3	SSE	0	b	—	2
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

## 2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Nairn ...	—	—	—	—	—	—	—	—	—	—	—
Scarborough ...	—	—	—	—	—	—	—	—	—	—	—
Greencastle ...	—	—	—	—	—	—	—	—	—	—	—
Valencia ...	—	—	—	—	—	—	—	—	—	—	—
Penzance ...	—	—	—	—	—	—	—	—	—	—	—
London ...	—	—	—	—	—	—	—	—	—	—	—
Rochefort ...	—	—	—	—	—	—	—	—	—	—	—

## EXPLANATION OF THE COLUMNS.

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. **WEATHER**: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squally; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extremely high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



# REMARKS.

Wednesday

There has been scarcely any change in barometrical pressure since yesterday, the highest readings being still in the south-west. The difference between Valencia and Wick is only 0.25 in.

Temperature continues very high on our east coasts, but the weather is cooler in the north.

Moderate W. winds still prevail in Scotland while elsewhere light variable airs are reported.

The sky is now generally clear, but foggy in the west, no rain - The sea is calm.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Date.	Station.	Bar.	Temp.		Wind.		Extreme.		Cloud.	Weather	Rain.	Sea.
JUNE												
21 <sup>st</sup>	Corunna	30.11	71	-	NE	3	-	-	-	6	-	2
"	Brussels	30.35	63	-	NE	3	-	-	-	6	-	-
"	Paris	30.34	64	-	NW	1	-	-	-	7	-	-
"	Strasbourg	-	66	-	NW	6	-	-	-	6	-	-
"	Lyon	30.22	74	-	NE	-	-	-	-	6	-	-
"	Heart's Content	30.27+	59	53	SW	4	4	SW	2	cb	-	2

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT. 1870.

Thursday

June 23<sup>rd</sup>

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturbance (0 to 10.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.93	51	50	Z	0	2	WSW	—	ot	—	3
* Skudesnaes ...	30.04	54	51	W	4	6	NNW	—	co	—	2
* Oxo (Christiansand)	29.89	58	50	W	6	6	SSW	—	b	—	4
Thurso ...	30.06 $\frac{1}{2}$	51	48	WNW	5	5	WNW	5	c	—	1
Wick ...	30.05 $\frac{1}{2}$	58	55	W	5	5	W	8	co	—	2
Nairn ...	30.12 $\frac{1}{2}$	56	51	W	3	1	W	5	bc	—	2
Aberdeen ...	30.14 $\frac{1}{2}$	57	50	WNW	2	2	SE	4	bc	—	1
Leith ...	30.19 $\frac{1}{2}$	58	52	NW	6	5	NW	5	bc	—	—
Shields ...	—	57	52	NNW	3	4	NNW	2	c	—	3
Scarborough ...	30.25 $\frac{1}{2}$	59	52	W	3	2	ENE	3	bc	—	3
Yarmouth ...	30.20 $\frac{1}{2}$	57	56	NW	3	3	SSE	6	c	0.16	3
Ardrossan ...	30.27 $\frac{1}{2}$	54	49	NW	4	4	NNW	5	c	—	3
Greencastle ...	30.32 $\frac{1}{2}$	53	51	NW	3	4	NW	8	no	0.01	—
Holyhead ...	30.36 $\frac{1}{2}$	55	51	NW	1	2	WNW	5	bc	—	—
Liverpool ...	30.30 $\frac{1}{2}$	59	52	NW	3	1	NW	4	c	—	2
Valencia ...	30.46 $\frac{1}{2}$	57	55	N	3	4	NNW	7	bc	—	3
Cape Clear ...	—	—	—	—	—	—	—	—	—	—	—
Roche's Point	30.40 $\frac{1}{2}$	55	49	N	3	5	N	3	c	—	2
Pembroke ...	30.32 $\frac{1}{2}$	55	50	N	5	4	N	3	bc	—	1
Penzance ...	30.29 $\frac{1}{2}$	64	59	NE	6	4	NE	0	b	—	3
Plymouth ...	30.26 $\frac{1}{2}$	63	58	NNW	4	3	S	3	bc	—	2
Portsmouth ...	30.17 $\frac{1}{2}$	66	58	NE	4	1	S	7	c	—	3
Dover ...	30.12 $\frac{1}{2}$	66	64	N	4	1	SE	6	bc	—	2
London ...	30.22 $\frac{1}{2}$	63	58	NNE	4	2	N	8	bc	—	—
Helder ...	30.14	63	—	WNW	2	—	—	—	—	—	2
Cape Gris Nez	30.16 $\frac{1}{2}$	64	64	NE	1	3	E	3	c	—	1
Brest ...	30.09 $\frac{1}{2}$	64	60	NNE	4	4	NNE	2	b	—	3
L'Orient ...	30.13 $\frac{1}{2}$	66	62	ENE	4	5	W	3	bc	—	2
Rochefort ...	30.02 $\frac{1}{2}$	73	66	ENE	3	5	ENE	0	b	—	2
Biarritz ...	30.05 $\frac{1}{2}$	73	69	W	3	4	W	0	b	—	4
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	30.10 $\frac{1}{2}$	72	69	ENE	3	1	SE	4	b	—	2
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

## 2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Nairn ...	—	—	—	—	—	—	—	—	—	—	—
Scarborough ...	—	—	—	—	—	—	—	—	—	—	—
Greencastle ...	—	—	—	—	—	—	—	—	—	—	—
Valencia ..	—	—	—	—	—	—	—	—	—	—	—
Penzance ...	—	—	—	—	—	—	—	—	—	—	—
London ...	—	—	—	—	—	—	—	—	—	—	—
Rochefort ...	—	—	—	—	—	—	—	—	—	—	—

## EXPLANATION OF THE COLUMNS.

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. Z.—calm.  
**WEATHER**: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squally.  
 r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extreme high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



## REMARKS.

Thursday

Since yesterday barometrical pressure has given way somewhat except in the western parts of our Islands, where it has risen slightly.

The decrease is most noticeable in Norway, and the reading at Valencia is 0.57 in. higher than that at Oxo, and 0.44 in. higher than that at Rochefort.

Temperature has fallen considerably on our eastern coasts and slightly elsewhere. It is however still high in the south.

The winds have now veered to N and NW in our Islands, freshening slightly, and draw gradually round to NE in the Channel, and ENE in the Bay of Biscay — but are still moderate.

The sky is cloudy at most stations, but hardly any rain is reported.

The sea is moderate or calm.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Date.	Station.	Bar.	Temp.		Wind.		Extreme.		Cloud.	Weather.	Rain.	Sea.
JUNE												
22 <sup>nd</sup>	Ardrossan	30.30r	58	54	NW	3	3	WSW	4	c	—	2
—	Corunna	30.00	73	—	N	1	—	—	—	b	—	2
—	Brussels	30.31	63	—	NNE	1	—	—	—	b	—	—
—	Paris	30.00	66	—	ENE	2	—	—	—	b	—	—
—	Strasbourg	—	67	—	N	3	—	—	—	b	—	—
—	Lyon	30.43	71	—	N	3	—	—	—	b	—	—
—	Hearts Content	29.80f	53	53	S	5	6	SSE	8	crg	0.68	3

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT. 1870.

June 24<sup>th</sup>

Fri-day

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturbance (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.70	50	48	SSE	4	4	SSW	—	cb	—	4
* Skudesnaes ...	29.81	50	46	W	4	6	W	—	cto	—	3
* Oxo (Christiansand)	29.79	53	47	W	6	6	W	—	b	—	3
Thurso ...	29.88 $\frac{1}{2}$	51	47	NW	4	6	NW	3	c	0.07	2
Wick ...	29.88 $\frac{1}{2}$	53	50	WNW	3	5	W	8	o	0.06	2
Nairn ...	29.47 $\frac{1}{2}$	53	50	W	1	3	W	8	o	—	1
Aberdeen ...	29.42 $\frac{1}{2}$	54	49	W	1	3	NW	9	bo	—	1
Leith ...	29.44 $\frac{1}{2}$	57	52	NW	3	5	NW	5	bc	—	—
Shields ...	—	52	51	SW	1	4	NW	9	ct	0.04	1
Scarborough ...	30.00 $\frac{1}{2}$	54	51	W	1	3	N	9	co	—	2
Yarmouth ...	29.99 $\frac{1}{2}$	55	53	WNW	1	3	NNE	6	c	—	1
Ardrossan ...	29.96 $\frac{1}{2}$	55	53	W	2	2	SE	5	c	0.10	2
Greencastle ...	30.03 $\frac{1}{2}$	55	52	NNW	3	4	NW	5	rc	0.16	—
Holyhead ...	30.03 $\frac{1}{2}$	54	53	WSW	4	2	NNW	9	ct	0.22	—
Liverpool ...	29.96 $\frac{1}{2}$	57	55	SW	1	2	WSW	8	ct	0.20	1
Valencia ...	30.27 $\frac{1}{2}$	58	54	NNW	5	4	N	4	c	—	4
Cape Clear ...	—	—	—	—	—	—	—	—	—	—	—
Roche's Point	30.17 $\frac{1}{2}$	57	53	NW	6	6	NW	8	co	—	3
Pembroke ...	30.11 $\frac{1}{2}$	54	52	W	5	5	N	9	co	—	3
Penzance ...	30.22 $\frac{1}{2}$	63	57	N	3	7	NE	7	bc	—	2
Plymouth ...	30.19 $\frac{1}{2}$	59	56	NW	3	6	N	5	c	—	1
Portsmouth ...	30.11 $\frac{1}{2}$	60	54	NW	1	4	NE	5	c	—	1
Dover ...	30.06 $\frac{1}{2}$	58	55	NNE	1	4	NNE	4	c	0.06	1
London ...	30.09 $\frac{1}{2}$	58	52	NW	2	4	NE	9	cto	—	—
Helder ...	30.02	57	—	NNW	2	—	—	—	—	—	—
Cape Gris Nez	30.09 $\frac{1}{2}$	55	53	N	3	5	ENE	8	o	—	2
Brest ...	30.16 $\frac{1}{2}$	57	53	W	4	7	NNE	2	b	—	3
L'Orient ...	30.19 $\frac{1}{2}$	55	53	NNE	7	7	NNE	1	b	—	3
Rochefort ...	30.07 $\frac{1}{2}$	64	62	N	5	5	NW	4	bc	—	3
Biarritz ...	30.11 $\frac{1}{2}$	71	69	W	5	5	WSW	9	fo	—	4
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Straßbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	—	—	—	—	—	—	—	—	—	—	—
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

## 2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Nairn ...	—	—	—	—	—	—	—	—	—	—	—
Scarborough ...	—	—	—	—	—	—	—	—	—	—	—
Greencastle ...	—	—	—	—	—	—	—	—	—	—	—
Valencia ..	—	—	—	—	—	—	—	—	—	—	—
Penzance ...	—	—	—	—	—	—	—	—	—	—	—
London ...	—	—	—	—	—	—	—	—	—	—	—
Rochefort ...	—	—	—	—	—	—	—	—	—	—	—

## EXPLANATION OF THE COLUMNS.

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. **Z.**—calm; **b.**—blue sky; **c.**—clouds (detached); **f.**—fog; **h.**—hail; **l.**—lightning; **m.**—misty (hazy); **o.**—overcast (dull); **p.**—passing showers; **q.**—squally; **r.**—rain; **s.**—snow; **t.**—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extreme high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



## REMARKS.

Fri-day

The barometer has again fallen at all but the southern French stations, and the change has now been greatest (0.3 in.) in the north-west of our Islands. The highest reading is, however, still found at Valencia and exceeds that at Tenero by 0.34 in., and that at Christiansund by 0.57 in.

Temperature also has fallen at all but the western stations, and is now lowest in the north.

In direction the winds differ little from those of yesterday, except that in the west of France they are backing towards NW, but in the south-western districts they have freshened somewhat though still generally moderate.

A little rain has fallen in different places, and the sky has become overcast on our east coast and continues cloudy elsewhere.

The sea is moderate in the south-west but calm generally.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Date.	Station.	Bar.	Temp.		Wind.		Extreme.		Cloud.	Weather.	Rain.	Sea.
JUNE												
23 <sup>rd</sup>	Cornuna	30.02	76	—	SW	3	—	—	—	6	—	2
—	Brussels	30.14	68	—	SSE	1	—	—	—	6	—	—
—	Paris	30.15	52	—	E	1	—	—	—	f	—	—
—	Strasbourg	—	71	—	N	6	—	—	—	6	—	—
—	Lyon	30.02	75	—	SE	3	—	—	—	6	—	—
—	Heart's Content	29.968	54	50	SW	5	5	SW	2	6	—	3

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT. 1870.

June 25<sup>th</sup>

Saturday

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturbance (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.77	54	49	NNE	6	0	Z	—	c	—	3
* Skudesnaes ...	29.79	53	48	WNW	2	2	WNW	—	b	—	3
* Oxo (Christiansand)	29.67	53	47	W	4	6	WSW	—	b	—	2
Thurso ...	29.97+	49	46	N	5	5	NW	6	oc	0.10	2
Wick ...											
Nairn ...	30.01+	50	48	WNW	1	1	W	8	po	0.05	1
Aberdeen ...	29.99+	51	47	NW	2	1	N	8	co	0.06	1
Leith ...	30.02+	52	51	NW	5	3	NNW	5	pc	0.06	—
Shields ...		53	49	NNE	2	2	NNE	3	nc	?	2
Scarborough ...	30.03+	54	51	N	4	2	SSE	6	c	0.13	4
Yarmouth ...	30.00+	53	52	NNW	3	3	SE	6	c	0.56	3
Ardrossan ...	30.12+	53	49	NNW	3	5	NNW	7	c	—	2
Greencastle ...	30.16+	55	52	NW	2	5	NW	6	nc	0.02	—
Holyhead ...	30.16+	53	50	WNW	5	5	WNW	7	c	—	—
Liverpool ...	30.10+	56	49	NNW	4	7	SW	8	o	0.04	3
Valencia ...	30.34+	56	55	N	4	6	NNW	8	p	0.01	3
Cape Clear ...											
Roche's Point	30.27+	57	52	NNW	5	7	NNW	9	go	—	3
Pembroke ...	30.19+	53	49	NW	4	5	W	5	c	—	2
Penzance ...	30.26+	56	56	N	4	4	N	2	b	—	2
Plymouth ...	30.21+	57	53	NNW	4	4	NW	5	c	—	2
Portsmouth ...	30.10+	57	51	N	4	5	NW	6	oc	0.01	3
Dover ...	29.99+	55	53	N	3	2	WNW	3	pc	0.10	3
London ...	30.07+	56	51	NNW	4	5	WNW	7	pb	0.23	—
Helder ...	29.88	55	—	NNW	6	—	—	—	—	—	4
Cape Gris Nez	29.99+	52	52	NW	7	7	W	9	no	0.04	5
Brest ...	30.19+	58	56	NNW	4	4	NNW	9	co	—	2
L'Orient ...	30.23+	57	55	N	5	5	ENE	5	c	—	3
Rochefort ...	30.20+	59	57	N	4	7	NW	4	bc	—	3
Biarritz ...	30.21+	65	60	W	4	5	WSW	7	mf	—	4
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...	29.98	70	57	WNW	5	4	SE	1	b	—	4
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

Skudesnaes ...											
Nairn ...											
Scarborough ...											
Greencastle ...											
Valencia ..											
Penzance ...											
London ...											
Rochefort ...											

## EXPLANATION OF THE COLUMNS.

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. Z.—calm.  
**WEATHER**: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squally; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extremely high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



## REMARKS.

Saturday

Barometrical pressure has recovered somewhat at the western and north-western stations, and since last evening the rise has extended to our south-east coast. Apparently a slight depression crossed England from NW to SE during yesterday. Readings are now rather uniform that at Valencia being 0.37 in. higher than that at Thurso.

Temperature has again fallen at the south-eastern stations, but has little changed elsewhere.

The winds have all veered to N and NNW and are moderate on our coasts, but fresh in the neighbourhood of the Netherlands.

The sky is still cloudy and the weather has been showery in Gt Britain during the past day. The sea is nearly calm.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Date.	Station.	Bar.	Temp.		Wind.		Extreme.		Cloud.	Weather.	Rain.	Sea
JUNE 24 <sup>TH</sup>												
"	Brussels	30.03	59	-	NE	6	-	-	-	a	-	-
"	Paris	30.02	56	-	N	4	-	-	-	b	-	-
"	Strasbourg	-	73	-	N	1	-	-	-	b	-	-
"	Lyon	29.93	77	-	N	3	-	-	-	b	-	-
"	Toulon	30.023	68	68	ESE	4	4	8SE	4	b r	-	2
"	Hearts Content	30.127	56	52	NNE	2	5	SW	95	f b	-	2

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT. 1870.

Sun-day

June 26<sup>th</sup>

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.64	49	49	NNW	4	4	N	—	cot	—	4
* Skudesnaes ...	29.59	50	46	WNW	6	6	NNW	—	bo	—	3
* Oxo (Christiansand)	29.43	54	48	WNW	6	—	NW	—	c	—	2
Thurso ...	29.78 $\frac{1}{2}$	52	52	NW	5	5	NNW	7	oc	0.19	2
Wick ...	29.77 $\frac{1}{2}$	56	53	NW	5	4	NW	8	o	0.10	3
Nairn ...	29.84 $\frac{1}{2}$	55	52	WNW	1	1	WNW	8	o	0.08	1
Aberdeen ...	29.80 $\frac{1}{2}$	56	53	NNW	2	1	NW	4	pc	0.02	1
Leith ...	29.86 $\frac{1}{2}$	61	55	W	5	4	NW	6	rtc	0.09	—
Shields ...	29.90 $\frac{1}{2}$	59	55	NW	3	3	NE	6	oc	?	2
Scarborough...	29.93 $\frac{1}{2}$	60	56	NW	3	4	N	7	c	0.01	3
Yarmouth ...	30.02 $\frac{1}{2}$	57	56	WNW	3	3	NW	4	c	0.08	3
Ardrossan ...	29.94 $\frac{1}{2}$	55	53	NW	3	5	N	7	et	0.03	2
Greencastle ...	29.96 $\frac{1}{2}$	56	55	WNW	5	6	NW	4	n	0.13	—
Holyhead ...	30.04 $\frac{1}{2}$	56	53	WSW	4	3	WNW	9	co	—	—
Liverpool ...	30.01 $\frac{1}{2}$	58	56	W	2	2	W	7	co	—	1
Valencia ...	30.27 $\frac{1}{2}$	56	52	NNW	3	3	NW	9	o	—	3
Cape Clear ...											
Roche's Point	30.19 $\frac{1}{2}$	59	55	NNW	4	6	NNW	7	c	—	3
Pembroke ...	30.15 $\frac{1}{2}$	54	51	WNW	4	4	W	7	c	—	2
Penzance ...	30.22 $\frac{1}{2}$	63	56	WNW	4	4	NW	5	c	—	3
Plymouth ...	30.19 $\frac{1}{2}$	60	54	WNW	3	5	NW	5	c	—	2
Portsmouth ...	30.08 $\frac{1}{2}$	65	58	WNW	4	4	N	8	co	—	3
Dover ...	30.02 $\frac{1}{2}$	60	58	W	1	2	N	3	c	—	1
London ...	30.06 $\frac{1}{2}$	62	56	WNW	4	4	NW	8	bco	—	—
Helder ...	29.95	55	—	WNW	6	—	—	—	—	—	4
Cape Gris Nez	30.10 $\frac{1}{2}$	56	54	W	4	7	NW	8	o	—	3
Brest ...											
L'Orient ...	30.30+	55	53	N	3	4	NNW	7	c	—	2
Rochefort ...	30.23+	58	54	NE	4	5	NNW	0	b	—	3
Biarritz...	30.25 $\frac{1}{2}$	64	57	E	1	4	N	8	co	—	4
Corunna ...	30.16	69	—	NE	3	—	—	—	b	—	2
Brussels ...	30.06	56	—	WSW	4	—	—	—	o	—	—
Paris ...	30.13	57	—	WNW	1	—	—	—	c	—	—
Strasbourg ...	—	63	—	N	1	—	—	—	o	—	—
Lyons ...	30.19	66	—	SE	3	—	—	—	b	—	—
Toulon ...	30.03+	63	52	NNW	5	8	WNW	1	b	—	1
Heart's Content (9 a.m. local time.)	30.05+	49	47	W	1	2	WSW	2	b	—	2

## 2 P.M. REPORT.

Skudesnaes ...											
Nairn ...											
Scarborough...											
Greencastle ...											
Valencia ..											
Penzance ...											
London...											
Rochefort ...											

## EXPLANATION OF THE COLUMNS

**BAROMETER.** corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER:** dry and wet, exposed in shade. **WIND:** **EXTREME FORCE** with its Direction, during last 24 hours. **Z.**—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squalls; r.—rain; s.—snow; t.—thunder. **RAIN-FALL.** (snow or hail melted), during last 24 hours. **SEA DISTURBANCE.** 0—dead calm; 9—extreme high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.  
\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



## REMARKS.

day

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

*Reports received too late for insertion in their proper places.*

[illegible]

*Meteorological Office,*

ROBERT H. SCOTT.

DIRECTOR.



EIGHT A.M.

WEATHER REPORT. 1870. *June 27<sup>th</sup>**Mon. day*

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Dist. (0 to 10)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.50	56	53	SSW	4	—	—	—	b	—	3
* Skudesnaes ...	29.67	50	48	NW	4	6	WNW	—	o	—	2
* Oxo (Christiansand)	29.62	51	48	WSW	6	6	WSW	—	c	—	4
Thurso ...	29.932	50	47	N	4	5	NW	8	mo	0.05	1
Wick ...	29.912	52	50	NW	4	3	ENE	8	o	0.06	2
Nairn ...	29.962	50	49	NE	1	1	WNW	9	opr	0.22	1
Aberdeen ...	29.952	53	50	N	2	3	WNW	4	oc	0.15	1
Leith ...	29.912	57	53	W	4	4	W	8	o	0.34	—
Shields ...	29.902	55	51	N	2	5	NW	8	ro	0.65	2
Scarborough ...	29.882	58	54	N	4	3	NW	5	oc	0.25	4
Yarmouth ...	29.889	54	54	NW	3	3	WSW	6	r	0.34	4
Ardrossan ...	29.972	56	53	NNW	1	6	NW	5	rc	0.19	1
Greencastle ...	30.052	57	53	NNW	4	6	WNW	6	rc	0.12	—
Holyhead ...	30.012	54	51	WNW	4	5	WSW	7	oe	—	—
Liverpool ...	29.95	57	54	W	2	2	W	6	rc	0.10	1
Valencia ...	30.19	56	52	N	5	4	NW	7	mpc	0.03	4
Cape Clear ...											
Roche's Point	30.139	56	53	N	6	6	N	9	co	—	4
Pembroke ...	30.049	54	50	NW	4	5	WSW	8	co	—	2
Penzance ...	30.119	60	57	NNW	5	5	NW	8	co	—	3
Plymouth ...	30.079	59	56	NW	4	5	NW	7	cp	—	2
Portsmouth ...	29.979	61	56	N	4	4	NW	8	co	—	3
Dover ...	29.899	61	58	WNW	3	1	W	4	c	—	2
London ...	29.949	60	54	NW	5	6	W	6	c	0.01	—
Helder ...	29.78	56	—	NW	6	—	—	—	—	—	4
Cape Gris Nez	29.939	57	55	W	4	5	W	7	o	—	3
Brest ...	30.119	58	56	NNW	3	4	NNW	9	co	—	2
L'Orient ...	30.199	56	52	NNW	4	5	W	9	co	—	2
Rochefort ...	3										
Biarritz ...	30.169	63	61	E	3	4	NE	0	b	—	3
Corunna ...		—	—	—	—	—	—	—	—	—	—
Brussels ...		—	—	—	—	—	—	—	—	—	—
Paris ...		—	—	—	—	—	—	—	—	—	—
Strasbourg ...		—	—	—	—	—	—	—	—	—	—
Lyons ...		—	—	—	—	—	—	—	—	—	—
Toulon ...	30.052	68	55	SSW	1	5	WNW	0	b	—	4
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

Skudesnaes ...											
Nairn ...											
Scarborough ...											
Greencastle ...											
Valencia ..											
Penzance ...											
London ...											
Rochefort ...											

## EXPLANATION OF THE COLUMNS

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. **WEATHER**: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l. lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squalls; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extreme.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.  
\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



## REMARKS.

M 072-day

During Saturday night the barometer fell at our station, principally in the NE, accompanied by a general increase of temperature. This decrease has now extended to the more southern districts but has been succeeded by a rise in the north. Pressure is however still rather uniform; the reading at Yarmouth being only 0.31 in. less than those at L'Orient and Valencia.

Temperature has decreased again at nearly all stations since yesterday, but is comparatively uniform

The winds were generally moderate from NW yesterday, but are now veering <sup>and</sup> N at the western and northern stations, and freshening slightly.

Rain has fallen except on the S. and SW. coasts. The sky continues very cloudy. The sea is moderate.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

*Reports received too late for insertion in their proper places.*

[illegible]

*Meteorological Office,*

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT. 1870.

Tues-day

June 28<sup>th</sup>

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
*Christiansund	29.81	53	50	WSW	4	4	NNW	—	co	—	3
*Skudesnaes ...	29.77	—	—	NW	6	4	NW	—	bc	—	2
*Oxo (Christiansand)	29.70	53	51	NNE	2	2	NW	—	cb	—	2
Thurso ...	30.06r	51	49	NNW	5	5	NNW	5	oc	—	2
Wick ...	30.05r	54	51	NW	5	4	NW	8	co	—	3
Nairn ...	30.04r	53	51	NW	1	1	NW	4	co	—	1
Aberdeen ...	30.07r	55	50	NNW	2	1	N	4	bo	—	1
Leith ...	30.07r	60	53	NNW	3	3	SSE	2	ob	0.05	—
Shields ...	30.09r	55	51	NNE	2	2	NE	3	oc	—	2
Scarborough...	30.09r	58	53	W	2	4	N	7	c	—	3
Yarmouth ...	30.10r	56	54	NW	3	4	N	4	c	—	3
Ardrossan ...	30.08r	57	51	NW	1	1	NNW	3	b	—	1
Greencastle ...	30.20r	53	52	NNW	2	4	NNW	4	co	—	—
Holyhead ...	30.19r	53	51	NW	2	3	WNW	4	co	—	—
Liverpool ...	30.13r	57	53	NW	3	2	WNW	3	c	—	2
Valencia ...	30.28r	56	51	N	4	4	NNW	7	c	—	3
Cape Clear ...											
Roche's Point	30.24r	55	52	NE	3	6	N	4	co	—	2
Pembroke ...	30.18r	56	52	N	3	4	NW	7	c	—	0
Penzance ...	30.19r	61	56	NE	4	5	N	4	c	—	3
Plymouth ...	30.16r	60	55	N	3	4	NNW	3	cb	—	1
Portsmouth ...	30.12r	59	54	NNE	1	4	N	3	oc	—	1
Dover ...	30.08r	61	56	ENE	2	1	W	5	c	0.01	1
London ...	30.12r	58	54	NNW	2	5	NW	4	bco	—	—
Helder ...	30.00	52	—	N	5	—	—	—	—	—	2
Cape Gris Nez	30.11r	53	51	N	3	4	W	7	c	—	2
Brest ...	30.11r	57	53	N	3	4	NNW	8	c	—	3
L'Orient ...	30.15r	55	53	N	3	4	WNW	4	co	—	2
Rochefort ...	30.08r	61	58	E	4	5	NW	6	bc	—	3
Biarritz...											
Corunna ...	30.02	68	—	NE	1	—	—	—	c	—	2
Brussels ...	30.06	56	—	WNW	4	—	—	—	c	—	—
Paris ...	30.10	55	—	NW	2	—	—	—	b	—	—
Strasbourg ...	—	60	—	NW	6	—	—	—	c	—	—
Lyons ...	30.02	68	—	N	3	—	—	—	b	—	—
Toulon...	29.94f	72	59	—	4	5	—	1	b	—	3
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

Skudesnaes ...											
Nairn ...											
Scarborough ...											
Greencastle ...											
Valencia ..											
Penzance ...											
London...											
Rochefort ..											

## EXPLANATION OF THE COLUMNS

**BAROMETER** corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. **WEATHER**: b.—blue sky, c.—clouds (detached), f.—fog; h.—hail; l.—lightning, m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squally; r.—rain; s.—snow; t.—thunder. **RAIN-FALL** (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extreme.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.  
\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



## REMARKS.

Tues-day

The barometer has now recovered at all but the French stations from the diminution noticed yesterday and readings are more uniform. The highest reported is at Valencia and is only 0.28 in. higher than that at Helder.

Temperature is unchanged.

The winds are again light or moderate from the NW on all our coasts and have veered to E in the south-west of France.

The sky remains rather cloudy, especially in the north-west; but the weather is fine, and the sea calm.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Date.	Station.	Bar.	Temp.		Wind.		Extreme		Cloud.	Weather.	Rain.	Sea.
JUNE												
25 <sup>TH</sup>	Corunna	30.18	67	—	NE	6	—	—	—	b	—	4
—	Brussels	29.89	54	—	N	3	—	—	—	no	—	—
—	Paris	30.02	57	—	NW	4	—	—	—	c	—	—
—	Strasbourg	—	65	—	SW	6	—	—	—	a	—	—
—	Lyon	30.04	70	—	NW	3	—	—	—	c	—	—
—	Heart's Content	30.087	55	52	WNW	2	2	WNW	?6	bo	—	2
JUNE												
27 <sup>TH</sup>	Rocheport	30.147	58	56	N	5	5	NW	5	bo	—	3
—	Corunna	30.11	69	—	NE	3	—	—	—	b	—	2
—	Brussels	29.90	56	—	W	6	—	—	—	no	—	—
—	Paris	30.01	57	—	W	4	—	—	—	a	—	—
—	Strasbourg	—	66	—	SW	1	—	—	—	a	—	—
—	Lyon	30.08	68	—	NE	3	—	—	—	b	—	—
—	Heart's Content	30.077	44	42	NE	5	5	NE	?6	a	—	3

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT. 1870.

June 29<sup>th</sup>

Wednesday

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Dist. (0 to 9)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.77	54	53	NNE	4	4	NNE	—	c	—	2
* Skudesnaes ...	29.76	54	52	WSW	2	6	NW	—	co	—	3
* Oxo (Christiansand)	29.74	54	52	NE	6	2	SE	—	ob	—	3
Thurso ...	30.04 <sup>7</sup>	53	52	NW	5	5	NNW	6	oc	0.03	2
Wick ...	30.03 <sup>7</sup>	57	59	NW	3	4	NW	5	oc	—	2
Nairn ...	30.06 <sup>7</sup>	59	54	NNW	1	1	NE	2	cb	—	1
Aberdeen ...	30.04 <sup>7</sup>	56	52	NNW	2	2	NNW	6	c	—	1
Leith ...	30.04 <sup>3</sup>	62 <sup>14</sup>	56	NW	4	2	E	6	c	—	—
Shields ...	30.06 <sup>7</sup>	60	56	N	2	3	E	5	bc	—	2
Scarborough ...	30.07 <sup>7</sup>	57	54	NW	1	3	NNE	8	co	—	3
Yarmouth ...	30.06 <sup>7</sup>	59	56	NW	3	4	ESE	4	c	—	3
Ardrossan ...	30.12 <sup>8</sup>	56	53	NNW	3	3	NNW	3	b	—	2
Greencastle ...	30.20 <sup>7</sup>	56	54	NNW	2	3	NW	5	nc	0.04	—
Holyhead ...	30.18 <sup>8</sup>	54	52	WNW	3	2	NW	4	co	—	—
Liverpool ...	30.11 <sup>7</sup>	57	53	WNW	2	2	WNW	7	co	—	1
Valencia ...	30.29 <sup>r</sup>	58	54	N	4	3	NNW	6	c	—	3
Cape Clear ...											
Roche's Point	30.26 <sup>r</sup>	58	54	N	3	3	N	4	bo	—	2
Pembroke ...	30.18 <sup>8</sup>	56	53	N	3	3	N	7	c	—	0
Penzance ...	30.21 <sup>r</sup>	59	54	NE	4	5	NE	8	bo	—	2
Plymouth ...	30.17 <sup>r</sup>	59	54	NNW	2	4	NW	3	b	—	1
Portsmouth ...	30.11 <sup>r</sup>	59	54	N	2	1	SW	4	c	—	1
Dover ...	30.07 <sup>7</sup>	58	54	N	1	1	SW	3	c	—	1
London ...	30.10 <sup>r</sup>	59	55	N	1	2	NNW	3	cb	—	—
Helder ...	29.49	54	—	NW	7	—	—	—	—	—	5
Cape Gris Nez	30.08 <sup>7</sup>	58	56	Z	0	1	N	2	bf	—	1
Brest ...	30.16 <sup>r</sup>	55	53	NNE	3	5	NNE	0	b	—	2
L'Orient ...	30.11 <sup>r</sup>	57	53	ENE	4	5	NW	0	b	—	2
Rochefort ...	30.01 <sup>7</sup>	63	58	E	4	5	NW	0	b	—	3
Biarritz ...	29.97 <sup>7</sup>	67	63	W	3	4	NNE	8	cb	0.04	3
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...	29.95 <sup>r</sup>	76	63	SSW	2	4	WSW	2	b	—	2
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

Skudesnaes ...											
Nairn ...											
Scarborough ...											
Greencastle ...											
Valencia ..											
Penzance ...											
London ...											
Rochefort ...											

## EXPLANATION OF THE COLUMNS.

**BAROMETER.** corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER.** dry and wet, exposed in shade. **WIND.** **EXTREME FORCE** with its Direction, during last 24 hours. **WEATHER.** b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squalls; r.—rain; s.—snow; t.—thunder. **RAIN-FALL.** (snow or hail melted), during last 24 hours. **SEA DISTURBANCE.** 0—dead calm; 9—extreme high sea.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.  
\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



## REMARKS.

Wednesday

The barometer has fallen slightly on our north and east coasts during the night, but in the west the gradual rise has continued. Pressure is however still rather uniform, the difference between Valencia and Helder being only 0.33 in.

Temperature has risen again slightly in the north but is little changed elsewhere.

The winds have not altered much, being generally N<sup>W</sup> and light in our Islands and NE<sup>W</sup> in Norway.

The sky is still cloudy, but scarcely any rain has fallen.  
The sea is calm.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Date.	Station.	Bar.	Temp.		Wind.		Extreme.		Cloud.	Weather.	Rain.	Sea.
JUNE												
28 <sup>th</sup>	Biarritz	30.08f	63	59	SE	1	4	N	8	cc	—	3
—	Heart's Content	29.72f	49	48	W	1	2	NE	6	fr	0.01	2

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.



EIGHT A.M.

## WEATHER REPORT. 1870.

June 30<sup>th</sup>

Thursday

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.76	55	53	WSW	2	4	WSW	—	c	—	3
* Skudesnaes ...	29.82	52	51	NNW	4	4	NW	—	o	—	2
* Oxo (Christiansand)	29.77	56	53	SW	4	2	SW	—	b	—	2
Thurso ...	29.93 <sup>3</sup>	51	50	NW	5	5	NNW	5	c	0.12	3
Wick ...	29.91 <sup>3</sup>	55	53	NW	3	3	NW	8	co	—	2
Nairn ...	29.96 <sup>3</sup>	54	50	NNW	1	2	NW	7	co	—	1
Aberdeen ...	29.98 <sup>3</sup>	54	50	NW	1	2	NNW	7	c	—	1
Leith ...	29.99 <sup>3</sup>	57	53	NW	4	3	SE	6	bc	—	—
Shields ...	30.03 <sup>3</sup>	55	53	SW	2	3	E	9	o	—	2
Scarborough...	30.05 <sup>3</sup>	56	53	N	2	3	N	9	fo	—	3
Yarmouth ...	30.04 <sup>3</sup>	55	54	NNE	3	3	NNW	4	c	—	3
Ardrossan ...	30.07 <sup>3</sup>	53	51	NW	2	5	NW	7	bo	—	2
Greencastle ...	30.12 <sup>3</sup>	55	52	NW	3	3	NNW	5	c	0.02	—
Holyhead ...	30.14 <sup>3</sup>	53	49	WNW	4	2	WNW	9	co	—	—
Liverpool ...	30.06 <sup>3</sup>	56	52	NW	2	2	WNW	6	c	—	1
Valencia ...	30.30 <sup>3</sup>	57	53	NNW	4	5	N	3	c	—	3
Cape Clear ...											
Roche's Point	30.23 <sup>s</sup>	55	50	N	4	4	N	9	co	—	2
Pembroke ...	30.15 <sup>3</sup>	53	49	NW	3	4	N	7	c	—	1
Penzance ...	30.19 <sup>r</sup>	58	53	NE	5	5	NE	2	cb	—	2
Plymouth ...	30.15 <sup>3</sup>	57	52	NNW	2	5	NNW	5	bc	—	1
Portsmouth ...	30.07 <sup>r</sup>	59	53	N	3	2	WNW	5	c	—	2
Dover ...	30.01 <sup>3</sup>	57	54	WNW	3	1	SW	5	c	—	1
London ...	30.06 <sup>s</sup>	59	53	WNW	2	2	N	7	bc	—	—
Helder ...	29.99	55	—	NW	7	—	—	—	—	—	4
Cape Gris Nez	30.04 <sup>3</sup>	56	56	NW	2	2	W	9	fo	—	1
Brest ...	30.10 <sup>r</sup>	57	55	N	4	5	N	0	b	—	3
L'Orient ...	30.14 <sup>r</sup>	55	53	N	5	5	W	2	b	—	2
Rochefort ...	30.05 <sup>r</sup>	65	60	NE	4	4	NE	0	b	—	3
Biarritz...	30.06 <sup>r</sup>	68	63	W	7	7	W	9	br	0.24	4
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon...	29.45 <sup>r</sup>	71	66	NE	1	3	SSW	3	bc	—	2
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

Skudesnaes ...											
Nairn ...											
Scarborough ...											
Greencastle ...											
Valencia ..											
Penzance ...											
London...											
Rochefort ...											

## EXPLANATION OF THE COLUMNS.

**BAROMETER**: corrected and reduced to 32° F. at sea level. The letters r. (rising), f. (falling), s. (steady), indicate direction of motion of the mercury within last 14 hours. **THERMOMETER**: dry and wet, exposed in shade. **WIND**: **EXTREME FORCE** with its Direction, during last 24 hours. **WEATHER**: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l. lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extreme.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

\* The Norwegian stations do not report rainfall, and their "extreme" wind is an observation taken at 8 p.m.



## REMARKS.

Thursday

The barometer is now falling slowly except at the French stations but the highest readings are still found in the west of our Islands -  
 Pressure at Valencia exceeds by 0.37 in. that at Thuro -

Temperature also has fallen slightly in the British Islands, but is not materially altered elsewhere.

The winds continue light and generally from the NW<sup>d</sup>, but are rather more variable than they were yesterday.

The sky has cleared in the north-west of France but is still cloudy in other districts. The sea is calm.

## CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Date.	Station.	Bar.	Temp.		Wind.		Extreme.		Cloud.	Weather	Rain.	
JUNE												
29 <sup>th</sup>	Corunna	29.97	64	-	NE	6	-	-	-	c	-	4
"	Brussels	30.05	56	-	SW	1	-	-	-	c	-	-
"	Paris	30.10	57	-	WNW	1	-	-	-	f	-	-
"	Strasbourg	-	57	-	NE	3	-	-	-	b	-	-
"	Lyons	30.04	62	-	N	3	-	-	-	b	-	-
"	Hearts Content	29.59+	49	49	NNE	1	1	NNE	8	f m	0.18	2

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.