

EIGHT A.M.

WEATHER REPORT. 1870. *March 1<sup>st</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	29.40	38	36	SSW	4	6	SSE	—	o	—	4
* Skudesnaes ...	29.52	42	39	SE	6	6	SE	—	o	—	4
* Oxo (Christiansand)	29.70	37	37	SSE	4	2	SSE	—	ocf	—	3
Thurso ...	28.85 <sup>f</sup>	42	41	S	4	6	SSW	2	c	0.01	1
Wick ...	28.82 <sup>f</sup>	43	42	SSW	6	—	—	6	c	0.06	4
Nairn ...	28.86 <sup>f</sup>	46	44	SSW	1	1	SSW	2	cl	0.02	2
Aberdeen ...	29.04 <sup>f</sup>	45	44	SSW	3	7	SSW	7	c	0.15	5
Leith ...	29.19 <sup>f</sup>	45	43	W	7	6	SW	2	cl	0.06	—
Shields ...	—	51	49	SW	3	7	SW	8	co	—	3
Scarborough ...	29.37 <sup>f</sup>	51	49	SW	6	6	SSW	9	co	—	4
Yarmouth ...	29.65 <sup>f</sup>	45	44	S	4	5	SSW	6	c	—	4
Ardrossan ...	29.20 <sup>f</sup>	44	45	SW	5	10	S	5	cq	0.11	6
Greencastle ...	29.16 <sup>s</sup>	43	41	SW	3	7	SW	2	cl	0.11	—
Holyhead ...	29.39 <sup>f</sup>	44	42	SSW	4	6	SSW	7	oc	0.07	—
Liverpool ...	29.53 <sup>h</sup>	—	—	S	2	2	S	6	c	—	1
Valencia ...	29.33 <sup>h</sup>	46	44	SW	4	8	S	4	rc	0.95	3
Cape Clear ...	—	—	—	—	—	—	—	—	—	—	—
Roche's Point	29.35 <sup>h</sup>	45	44	SW	6	10	S	9	co	0.38	7
Pembroke ...	29.48 <sup>h</sup>	44	42	SSW	5	8	SSW	6	oc	0.05	5
Penzance ...	29.58 <sup>h</sup>	48	47	S	4	8	S	7	om	0.09	5
Plymouth ...	29.65 <sup>h</sup>	48	46	SW	2	7	SSW	9	o	0.04	3
Portsmouth ...	29.67 <sup>h</sup>	49	47	SW	5	4	SW	9	o2	0.01	4
London ...	29.64 <sup>h</sup>	53	51	SW	7	9	SW	9	bg o	—	—
Helder ...	29.78	45	—	S	6	—	—	—	—	—	2
Cape Gris Nez	29.72 <sup>h</sup>	54	49	S	5	5	S	7	o	—	3
Brest ...	—	—	—	—	—	—	—	—	—	—	—
L'Orient ...	29.67 <sup>h</sup>	50	50	SW	4	7	SSW	9	cl	0.02	4
Rochefort ...	29.88 <sup>h</sup>	48	48	S	5	5	S	9	o	—	1
Biarritz ...	29.94 <sup>h</sup>	61	57	S	4	3	S	2	c	—	2
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	29.15 <sup>h</sup>	48	48	ENE	4	7	E	7	rm	0.04	5
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

## 2 P.M. REPORT.

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

**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** exposed in shade. **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.

\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 pm. on the previous day.

## REMARKS.

Tues- day

The recovery in pressure which had commenced in the south yesterday extended during the day to all our other stations, but during the night a fresh diminution passed rapidly along the west coast of Ireland towards the north of Scotland, where the lowest readings are found this morning. Great baric differences thus exist and the reading at Wick is now 1.06 in. less than that at Rochefort.

Temperature has increased except in the north-west, and is now very high at the eastern stations. London is 11° warmer than Thursday.

It blew hard from the SW on our western coasts last night, and also for a short time in London early this morning. On our other coasts the wind freshened generally, and to-day fresh SW<sup>ly</sup> breezes are general in our Islands.

Some rain has fallen except on the east coast. The sky is cloudy and the weather very unsettled. The sea is moderate.

Our western coasts were cautioned yesterday morning.

## 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.
FEBY												
28 <sup>TH</sup>	Brussels	29.72	46	—	SW	3	—	—	—	c	—	—
	Paris	29.76	48	—	S	2	—	—	—	c	—	—
	Strasbourg	30.05	40	—	E	3	—	—	—	c	—	—
	Lyon	29.90	52	—	SE	3	—	—	—	b	—	—
	Heart's Content	29.947	36	35	ESE	3	4	E	3	cg	—	3
	Correction -											
	Leith	—	45	43	—	—	—	—	—	—	—	—

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER · REPORT. 1870. *March 2<sup>nd</sup>**Wednesday*

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	29.04	43	38	SSW	4	0	Z	—	c b	—	6
* Skudesnaes ...	29.46	39	38	SSE	6	6	SSE	—	o	—	4
* Oxo (Christiansand)	29.47	35	35	SW	4	4	SW	—	o f	—	4
Thurso ...	29.44 <sub>2</sub>	37	36	NNW	3	9	S	6	b r	0.06	0
Wick ...	29.43 <sub>2</sub>	37	36	NNW	3	7	SW	8	c o	—	3
Nairn ...	29.53 <sub>2</sub>	37	35	? S	3	1	S	0	c b	—	1
Aberdeen ...	29.57 <sub>2</sub>	36	35	WSW	1	5	NW	4	c	—	2
Leith ...	29.60 <sub>2</sub>	38	36	WNW	5	7	W	6	b m	0.52	—
Shields ...	—	42	40	NW	2	2	SW	4	c	—	2
Scarborough...	29.61 <sub>2</sub>	42	41	Z	0	6	SW	9	c r	0.24	2
Yarmouth ...	29.65 <sub>2</sub>	44	44	SSE	2	6	S	6	c m	0.31	2
Ardrossan ...	29.64 <sub>2</sub>	37	35	N	1	9	SW	4	c	0.01	1
Greencastle ...	29.64 <sub>2</sub>	39	35	NNW	1	6	SW	8	r o	0.02	—
Holyhead ...	29.57 <sub>2</sub>	42	41	NNE	5	6	SSW	9	c r	0.08	—
Liverpool ...	29.57 <sub>2</sub>	—	—	E	1	2	S	9	c r	0.08	1
Valencia ...	—	—	—	—	—	—	—	—	—	—	—
Cape Clear ...	29.43 <sub>2</sub>	41	39	NE	7	3	SW	9	c r	0.10	6
Roche's Point	29.49 <sub>2</sub>	42	42	ENE	3	6	SW	9	c r	0.06	3
Pembroke ...	29.44 <sub>2</sub>	43	43	NE	4	5	N	9	f r	0.65	4
Penzance ...	29.46 <sub>2</sub>	50	50	S	5	7	S	9	r	0.84	6
Plymouth ...	29.56 <sub>2</sub>	49	48	SW	2	7	S	9	r	0.97	3
Portsmouth ...	29.63 <sub>2</sub>	48	47	SW	1	6	SW	8	o	0.42	2
London ...	29.63 <sub>2</sub>	53	51	SW	4	7	SW	9	g r o	0.19	—
Helder ...	29.71	48	—	SW	7	—	—	—	—	—	—
Cape Gris Nez	29.69 <sub>2</sub>	54	54	S	5	5	SSW	8	r o	0.03	3
Brest ...	29.51 <sub>2</sub>	48	46	SE	3	7	SSW	8	r o	0.28	4
L'Orient ...	29.54 <sub>2</sub>	48	46	SSW	5	5	SSW	7	r o	0.12	4
Rochefort ...	—	52	50	S	7	7	S	9	o	—	1
Biarritz ...	29.73 <sub>2</sub>	70	70	S	7	5	S	7	m	—	3
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	30.18 <sub>2</sub>	48	48	ENE	4	4	NE	7	f m	—	3
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

## 2 P.M. REPORT.

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

**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** exposed in shade. **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.

\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 pm. on the previous day.

## REMARKS.

Wednesday

Atmospherical conditions are changing very quickly and suddenly. Since yesterday pressure has recovered rapidly in Scotland, the depression having apparently passed on to Norway. In the meantime a new diminution has set in to the south-west of our Islands, and in the Bay of Biscay readings have fallen during the night. Baric "gradients" are at present not very great, but readings vary irregularly.

Temperature has fallen several degrees at the northern and north-eastern stations but has again risen in the south-west of France. At Biarritz a temperature of 70° F. is reported.

It blew freshly from S in the English Channel last night, but has since moderated. In the north of our Islands winds are moderate from NW, in the Irish Sea from NNE, and at the more southern stations from S to SW.

A slight Aurora was seen in Scotland and at London last night. Rain has fallen heavily in the south of England. The sky is overcast; the sea calm on the whole.

The western and southern coasts were cautioned yesterday.

## 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.
MARCH												
1 <sup>st</sup>	Cape Clear.	29.34+	46	45	SW	4	9	S	8	10	0.43	6
---	Brussels	29.88	57	-	SSE	7	-	-	-	c	-	-
3	Paris	29.94	47	-	S	2	-	-	-	c	-	-
---	Strasbourg	30.24	40	-	SW	1	-	-	-	b	-	-
---	Lyons	30.12	52	-	S	3	-	-	-	b	-	-
---	Heart's Content	29.30f	42	42	S	2	7	SSE	4	c	0.54	3

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870. *March 3<sup>rd</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	29.63	33	31	W	10	10	SSW	—	o2	—	2.9
* Skudesnaes ...	29.83	36	29	NNW	4	0	Z	—	26	—	2
* Oxo (Christiansand)	29.68	34	33	SSW	2	4	SW	—	oc	—	2
Thurso ...	29.932	31	—	?SSW	3	4	NNE	0	cb	0.02	2
Wick ...	29.905	31	—	WNW	3	3	WNW	2	cb	—	3
Nairn ...	29.965	30	—	WSW	1	3	S	0	rcb	0.02	1
Aberdeen ...	29.955	36	35	N	1	1	NW	1	cb	—	2
Leith ...	29.892	37	36	E	5	2	NE	6	cp	0.08	—
Shields ...	—	40	39	E	5	2	NE	8	2	0.12	5
Scarborough ...	29.735	39	38	ENE	6	4	ENE	9	mt0	0.41	5
Yarmouth ...	29.575	41	40	NNE	3	3	S	2	cb	—	2
Ardrossan ...	29.865	37	34	NE	3	4	ENE	4	c	—	1
Greencastle ...	29.885	39	35	ENE	4	2	N	1	ab	—	—
Holyhead ...	29.595	39	37	ENE	8	8	NNE	9	r	0.53	—
Liverpool ...	29.615	—	—	E	4	3	E	9	r	0.62	3
Valencia ...	29.595	41	39	NE	7	8	NE	8	30	0.10	6
Cape Clear ...	29.42	38	37	E	9	9	NE	9	0	0.60	7
Roche's Point	29.435	41	41	NE	8	8	NE	9	r	0.40	5
Pembroke ...	29.365	43	42	ENE	7	8	NE	9	og	1.00	3
Penzance ...	29.285	47	47	S	5	6	S	8	rm	0.24	5
Plymouth ...	29.415	48	47	S	5	6	SSE	9	r	0.61	4
Portsmouth ...	29.495	46	45	SE	1	1	SE	4	cm	0.09	1
London ...	29.535	48	46	E	1	3	SW	9	bro	—	—
Helder ...	29.60	43	—	SE	2	—	—	—	—	—	2
Cape Gris Nez	29.535	50	46	SSW	3	5	SSW	3	c	—	1
Brest ...	29.355	46	46	S	4	5	S	4	rc	0.15	3
L'Orient ...	29.385	46	44	S	5	8	SSE	5	oc	0.01	4
Rochefort ...	29.575	46	46	SE	5	5	SE	6	c	—	2
Biarritz ...	—	—	—	—	—	—	—	—	—	—	—
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	29.925	48	48	ENE	5	4	ENE	7	mo	—	4
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

## 2 P.M. REPORT.

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

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\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 pm. on the previous day.

## REMARKS.

## Thurs-day

Pressure does not appear to have changed much yesterday beyond continuing to increase in the north, but during the night the decrease at our south-western and southern stations has also been continued, while in the south-west of France a recovery has set in. The reading at Wairn now exceeds that at Buzance by 0.68 in.

Temperature has fallen at most stations, and is low in the north. Wairn is 18° colder than Plymouth.

The wind has increased to a gale from the NE<sup>W</sup> in Ireland and the Irish Channel, and is inclined to freshen from the same quarter on our east coast, while in the English Channel and the Bay of Biscay moderate S<sup>W</sup> breezes are reported.

Rain has again fallen in the west and south and now at Valencia.

The sky has cleared in the east of Scotland. The sea is moderate, or calm.

Warnings repeated to all but the Scotch coasts.

## 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.
MARCH									
2 <sup>ND</sup>	Corunna	29.52	57	—	?WSW	6	—	—	2
—	Brussels	29.83	56	—	SSW	3	—	—	—
—	Paris	29.83	54	—	?SSW	2	—	—	—
—	Strasbourg	30.18	41	—	NE	3	—	—	—
—	Lyons	30.02	55	—	SE	3	—	—	—
—	Heart's Content	29.25+	34	34	WSW	4	4	WSW	9
—	Correction -								
—	Rocheport.	Bar: reading 29.74f.							

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870. *March 4<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	30.13	34	31	W	6	-	-	-	c	-	6
* Skudesnaes ...	30.15	28	-	NNE	4	6	N	-	cb	-	2
* Oxo (Christiansand)	30.04	26	-	NNW	4	2	SSW	-	b	-	2
Thurso ...	30.347	35	33	ENE	3	5	NE	2	c	0.01	1
Wick ...											
Nairn ...	30.287	36	34	ESE	1	1	ESE	5	c	-	2
Aberdeen ...	30.267	35	34	NE	2	1	NE	8	co	0.01	4
Leith ...	30.177	36	33	E	6	6	E	7	bc	0.03	-
Shields ...	-	37	34	NE	4	3	ENE	0	om	?	2
Scarborough ...	30.042	37	34	ENE	7	8	ENE	9	o	0.04	5
Yarmouth ...	29.862	38	37	NE	7	7	NNE	6	fc	-	6
Ardrossan ...	30.192	36	32	ENE	5	8	E	6	e	-	4
Greencastle ...	30.177	39	35	ENE	5	6	ENE	6	c	-	-
Holyhead ...	29.992	39	37	NNE	8	9	NNE	7	rc	0.04	-
Liverpool ...	-	-	-	E	2	3	E	6	rc	0.21	2
Valencia ...	29.917	42	40	ENE	5	11	NNE	7	rge	0.15	3
Cape Clear ...	29.837	40	38	NE	6	7	NE	8	co	0.06	5
Roche's Point	29.952	38	36	ENE	4	9	NE	6	rc	0.18	4
Pembroke ...	29.827	38	35	NE	3	7	E	9	mo	0.12	3
Penzance ...	29.752	41	41	NE	4	5	ESE	8	co	0.14	4
Plymouth ...	29.772	42	40	SE	2	5	NNW	9	co	0.08	3
Portsmouth ...	29.682	40	39	ENE	4	7	?	9	cz	0.37	4
London ...	29.752	38	37	E	5	8	NE	9	cgr	0.87	-
Helder ...	29.80	37	-	NE	7	-	-	-	-	-	5
Cape Gris Nez	29.662	39	39	E	3	3	VV	9	cf	0.06	1
Brest ...	29.592	? 46	? 46	NE	3	3	SE	8	co	0.01	3
L'Orient ...	29.577	43	43	ENE	1	5	SE	9	cf	-	3
Rochefort ...	29.667	45	43	S	5	5	S	6	c	-	2
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...	29.78 f	50	50	E	5	5	NE	0	ot	0.15	4
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

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

**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** exposed in shade. **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.—mist; (bazy); 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.

\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 pm. on the previous day.

## REMARKS.

Fri-day

Since yesterday morning pressure has increased considerably everywhere, but especially in the west and north of our Islands - Readings continue highest at the Scotch stations, and that at Thurso exceeds by 0.77 in. that at L'Brient. Temperature has fallen a little more, principally in the English Channel.

The NE gale has subsided in Ireland, but it extended to our eastern stations in the night, where it is blowing strong this morning - The NE current is now general.

Rain has fallen at most stations, heavily at London and Holyhead, and still continues in the south-east, with overcast or cloudy sky elsewhere - The sea is rough on the east coast.

All but the Scotch coasts were cautioned yesterday.

## 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.
MARCH												
3 <sup>RD</sup>	Biarritz	29.57+	59	50	S	7	8	S	8	cm	-	2
---	Brussels	29.61	54	-	SE	6	-	-	-	c	-	-
---	Paris	29.64	48	-	S	2	-	-	-	c	-	-
---	Strasbourg	29.96	42	-	SW	3	-	-	-	b	-	-
---	Lyon	29.82	56	-	S	6	-	-	-	c	-	-
---	Heart's Content	29.40n	35	35	SW	1	4	WSW	8	mft	-	3
<u>Corrections.</u>												
---	Cape Clear	Bar: reading 29.42f.										
---	Pembroke	Amt of Cloud 9.										

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870. *March 5<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	30.16	38	36	SSW	6	0	Z	—	o2	—	4
*Skudesnaes ...	30.41	29	—	Z	0	4	ENE	—	b	—	2
*Oxo (Christiansand)	30.29	26	—	NNW	4	2	NNW	—	b	—	2
Thurso ...	30.462	28	—	E	2	2	E	2	ef	—	0
Wick ...	30.422	30	—	W	2	2	E	6	c	—	2
Nairn ...	30.462	29	—	Z	0	1	E	2	b	—	1
Aberdeen ...	30.482	35	34	ENE	1	1	NE	4	cm	—	2
Leith ...	30.442	38	36	E	5	6	E	3	c	—	—
Shields ...	—	39	37	E	4	4	E	2	cb	—	6
Scarborough...	30.312	38	36	E	6	7	ENE	1	ob	—	5
Yarmouth ...	30.202	38	36	NE	7	9	NE	2	szb	0.23	6
Ardrossan ...	30.412	35	33	E	4	5	E	2	cb	—	2
Greencastle ...	30.372	39	36	E	5	6	E	3	mc	—	—
Holyhead ...	30.232	35	33	ENE	6	8	NNE	3	c	—	—
Liverpool ...	30.282	—	—	E	3	3	E	0	c	—	2
Valencia ...	30.162	35	33	E	4	5	E	2	cb	—	3
Cape Clear ...	—	—	—	—	—	—	—	—	—	—	—
Roche's Point	30.112	33	30	NE	6	6	ENE	6	c	—	4
Pembroke ...	30.092	36	33	ENE	5	7	NE	8	po	0.02	2
Penzance ...	30.012	39	38	ESE	5	6	E	9	om	0.06	4
Plymouth ...	? 30.042	38	34	NNE	5	7	E	7	c	—	2
Portsmouth ...	30.042	38	36	E	3	7	E	8	o	—	2
London ...	30.092	37	36	E	4	8	ENE	7	ssc	0.23	—
Helder ...	30.13	35	—	NE	7	—	—	—	—	—	5
Cape Gris Nez	29.962	36	34	ENE	5	7	ENE	9	fo	—	3
Brest ...	29.822	45	43	E	4	4	NE	9	o	0.01	3
L'Orient ...	29.782	43	41	ENE	4	4	ENE	6	c	—	2
Rochefort ...	29.822	45	45	S	5	5	S	9	o	—	1
Biarritz...	29.842	54	50	SE	1	7	S	6	ef	—	3
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon...	29.882	46	46	N	1	5	S	7	om	0.04	3
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

## 2 P.M. REPORT.

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

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\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 pm. on the previous day.

## REMARKS.

Satur - day

Barometrical pressure has continued to increase throughout our Islands and in Norway, but the change has now been greatest in the south and south east of England. Readings are thus generally high, and rather more uniform than they were; but that at Aberdeen is still 0.70 in. higher than that at L'Orient.

Temperature has fallen somewhat except on the east coast, but the weather remains coldest in the North.

It blew hard from the NE<sup>W</sup> in the North Sea and Irish Channel yesterday, but has somewhat subsided this morning. Fresh NE<sup>E</sup> breezes, however, continue except in the extreme north.

Snow has fallen in the south-east. The sky has cleared on the north and east coasts. The North Sea continues rough.

## 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.
MARCH												
4 <sup>TH</sup>	Wick	30.25+	36	34	NNE	2	3	WNW	7	c	—	2
—	Biarritz	29.65+	54	52	S	8	8	S	4	c	0.04	3
—	Corunna	29.33	55	—	SW	6	—	—	—	c	—	2
—	Brussels	29.70	50	—	SE	3	—	—	—	c	—	—
—	Paris	29.68	50	—	SSE	2	—	—	—	b	—	—
—	Strasbourg	29.90	49	—	S	3	—	—	—	r	—	—
—	Lyons	29.74	52	—	W	3	—	—	—	r	—	—
—	Heart's Content	29.71+	28	—	NNE	2	2	NNE	9	spo	0.02	3
—	Correction											
—	Brest.	—	46	46	—	—	—	—	—	—	—	—

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

## WEATHER REPORT. 1870.

Sun-day

March 6<sup>th</sup>

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 5)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	30.25	39	39	SSW	6	6	SW	—	r	—	4
* Skudesnaes ...	30.38	37	37	NNW	4	4	NNE	—	c	—	2
* Oxo (Christiansand)	30.24	32	—	NNW	4	2	SW	—	c	—	2
Thurso ...	30.58T	38	37	WNW	4	2	S	2	c	—	1
Wick ...	30.54T	40	39	WNW	3	2	W	7	c	—	2
Nairn ...											
Aberdeen ...	30.58T	34	33	NNW	2	1	NE	1	cb	—	2
Leith ...	30.60T	36	35	W	1	3	E	4	b m	—	—
Shields ...	—	37	35	N	2	2	ENE	2	c	—	3
Scarborough ...	30.50T	38	37	N	4	5	E	8	bo	—	4
Yarmouth ...	30.42T	40	39	NNE	4	5	NNE	4	c	—	5
Ardrossan ...	30.60T	33	32	E	2	2	E	2	b m	—	1
Greencastle ...	30.60T	39	37	SE	1	5	E	3	b cm	—	—
Holyhead ...	30.53T	36	33	ENE	3	6	ENE	3	c	—	—
Liverpool ...	30.50T	—	—	NE	1	2	NE	2	b	—	1
Valencia ...	30.31T	39	35	NE	3	4	ESE	2	b	—	2
Cape Clear ...	30.38T	38	37	E	5	5	E	0	cb	—	3
Roche's Point	30.32T	36	33	E	6	6	ENE	5	c	—	4
Pembroke ...	30.40T	35	31	N	4	5	ENE	3	oc	—	2
Penzance ...	30.33T	35	34	NE	5	5	ESE	7	m oc	—	4
Plymouth ...	30.37T	39	35	NNE	7	7	NNE	1	cb	—	4
Portsmouth ...	30.34T	36	34	E	4	6	E	4	c	—	3
London ...	30.39T	35	34	ENE	5	7	ENE	5	bc	—	—
Helder ...											
Cape Gris Nez	20.28T	36	36	ENE	7	8	ENE	3	oc	—	4
Brest ...	30.09T	41	39	ENE	5	5	ENE	9	o	—	3
L'Orient ...	29.91T	41	39	ENE	5	5	ENE	9	co	—	2
Rochefort ...	29.97T	43	41	SE	4	4	SE	4	c	—	1
Biarritz ...	29.91T	46	44	SSE	1	3	S	8	cm	0.04	3
Corunna ...	29.96	52	—	NE	1	—	—	—	b	—	2
Brussels ...	30.29	34	—	ENE	3	—	—	—	bc	—	—
Paris ...	30.14	33	—	N	6	—	—	—	bc	—	—
Strasbourg ...	30.26	37	—	N	6	—	—	—	c	—	—
Lyons ...	—	47	—	NE	3	—	—	—	o	—	—
Toulon ...	29.88f	45	45	NE	4	3	SSW	7	cf	—	3
Heart's Content (9 a.m. local time.)	29.87T	26	—	NNE	4	5	NNE	8	so	0.04	5

## 2 P.M. REPORT.

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

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\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 pm. on the previous day.

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EIGHT A.M.

WEATHER REPORT. 1870. *March 7<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	30.15	38	36	WNW	6	—	SW	—	o	—	4
*Skudesnaes ...	30.18	39	39	NNW	6	4	NNW	—	b of	—	2
*Oxo (Christiansand)	29.99	39	34	NNW	2	4	SW	—	e	—	1
Thurso ...	30.52	44	41	NNW	5	5	NNW	? 6	o	—	1
Wick ...	30.46	43	41	NNW	3	3	WNW	8	eo	—	2
Nairn ...	30.54	41	39	W	1	1	W	7	eo	—	1
Aberdeen ...	30.47	41	40	NNW	2	1	N	9	eo	—	1
Leith ...	30.51	36	35	WNW	3	2	E	7	b m	—	—
Shields ...	—	42	41	NE	4	6	NE	7	eo	—	6
Scarborough ...	30.39	40	39	N	3	4	N	9	o	0.08	4
Yarmouth ...	30.34	36	36	NNW	2	7	NE	6	m	—	3
Ardrossan ...	30.55	34	32	SE	2	2	NW	3	b f	—	1
Greencastle ...	30.55	42	40	NE	2	4	NNE	1	e b	—	—
Holyhead ...	30.47	39	38	NNE	3	3	ENE	7	e	—	—
Liverpool ...	30.42	—	—	NE	3	2	NE	7	eo	—	1
Valencia ...	30.49	42	38	ENE	3	2	N	1	b	—	2
Cape Clear ...	30.41	37	37	E	4	4	E	0	b	—	3
Roche's Point	30.43	37	35	ENE	3	5	E	2	e b	—	3
Pembroke ...	30.37	40	37	NNE	4	4	N	7	e	—	2
Penzance ...	30.29	41	39	NE	4	4	NE	7	e	—	4
Plymouth ...	30.33	42	38	E	5	7	NNE	3	e	—	4
Portsmouth ...	30.31	35	33	E	3	4	E	5	e	—	2
London ...	30.34	34	33	ENE	4	5	NE	8	orc	—	—
Helder ...	30.28	32	—	N	3	—	—	—	—	—	2
Cape Gris Nez	30.24	36	36	NE	5	7	ENE	4	e	—	3
Brest ...	30.15	37	36	ENE	4	8	ENE	7	o	—	3
L'Orient ...	30.09	36	34	ENE	5	7	ENE	3	b e	—	2
Rochefort ...	30.02	32	—	E	5	5	E	9	o	—	1
Biarritz ...	30.00	39	35	E	3	3	SW	9	m o	—	3
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	29.77	46	44	SW	3	1	S	3	e	—	3
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

## 2 P.M. REPORT.

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

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\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 pm. on the previous day.

## REMARKS.

Mon. day

Since Saturday morning the relative distribution of pressure has been changing slowly. Yesterday the general increase had continued, especially at the western and southern stations, and readings were high in our Islands but lower in France. To day a slight decrease has set in on the east coast. Readings continue greatest in the north and north-west, the difference between Greenacote & Rochefort being 0.53 in.

Temperature was little changed yesterday but has since risen in the northern parts of the British Isles.

The wind was strong from the NE<sup>W</sup> in the English Channel on Sunday while in the north light NW<sup>W</sup> breezes were reported. To day the general direction is unchanged but the breeze has moderated at the southern stations.

Aurora was seen in Ireland and at Holyhead last night. The sky is cloudy except in the south of Ireland. The sea remains rather rough at Shields.

## 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.
MARCH												
5 <sup>TH</sup>	Cape Clear	30.081	38	37	NE	6	6	NE	8	co	—	4
—	Corunna	29.85	53	—	SW	6	—	—	—	c	—	2
—	Brussels	29.97	41	—	NNE	4	—	—	—	o	—	—
—	Paris	29.92	42	—	N	2	—	—	—	o	—	—
—	Strasbourg	29.48	45	—	NE	1 <sup>4</sup>	—	—	—	o	—	—
—	Lyon	29.88	52	—	E	3	—	—	—	o	—	—
—	Hart's Content	29.77f	29	—	NNE	4	4	NNE	9	s	0.03	4

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870. *March 8<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	30.10	32	—	WNW	4	4	WNW	—	o	—	4
* Skudesnaes ...	30.17	37	35	NNW	6	6	NNW	—	b	—	2
* Oxo (Christiansand)	29.98	32	—	? NNW	4	4	NNW	—	b	—	1
Thurso ...	30.532	42	40	NNW	2	5	NNW	6	o b	0.01	7
Wick ...	30.462	42	41	NNW	2	2	NNW	8	o	—	2
Nairn ...	30.538	41	40	NE	1	1	W	9	o	0.02	1
Aberdeen ...	30.492	41	40	NNW	2	4	NNW	9	o	—	2
Leith ...	30.502	39	39	E	2	2	N	7	e	—	—
Shields ...	—	40	40	NE	4	4	NE	8	o r	—	6
Scarborough ...	30.352	40	38	NNE	6	3	N	8	m o	—	5
Yarmouth ...	30.252	37	36	N	4	5	NNE	6	m c	—	4
Ardrossan ...	30.502	34	33	E	1	2	NW	1	e f	—	1
Greencastle ...	30.518	43	41	N	1	2	NE	1	c b	—	—
Holyhead ...	30.408	42	40	NNE	5	3	NNE	7	c	—	—
Liverpool ...	30.378	—	—	E	3	2	WNW	4	e	—	2
Valencia ...	30.408	42	40	NNE	3	4	NE	2	e b	—	2
Cape Clear ...	30.388	41	41	E	4	3	E	0	e b	—	2
Roche's Point	30.348	40	38	N	4	4	E	2	e f	—	2
Pembroke ...	30.318	42	40	NNE	5	5	N	4	o c	—	1
Penzance ...	30.278	43	41	NNE	4	5	NE	7	c	—	4
Plymouth ...	? 30.288	44	40	NE	5	5	NNE	7	c	—	2
Portsmouth ...	30.258	39	37	ENE	3	3	E	8	o	—	2
London ...	30.238	39	37	NE	4	6	NE	9	e r o	0.03	—
Helder ...	30.16	34	—	NNE	6	—	—	—	—	—	2
Cape Gris Nez	30.148	37	37	NE	5	5	NE	9	o m	0.02	2
Brest ...	30.138	43	41	NE	4	7	ENE	9	e o	—	2
L'Orient ...	30.082	39	39	ENE	4	5	ENE	9	e r	—	2
Rochefort ...	30.06	34	34	E	5	5	E	9	o	—	1
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...	29.882	36	34	WSW	7	5	W	2	e b	—	4
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

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

**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** exposed in shade. **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.

\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 pm. on the previous day.

# REMARKS.

Tues. day

Pressure is generally a little lower than it was yesterday, especially at the south-eastern stations; but during the night it has commenced rising again in the north and north-east. Readings are still highest in the north, that at Hain being 0.47 in. above that at Rochefort.

Temperature has risen slightly at nearly all stations.

The moderate NE<sup>3</sup> winds continue in England, France and the south of Ireland with light N<sup>4</sup> breezes in Scotland.

The sky remains cloudy. The sea is high at Shields and Thurso.

## 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.
MARCH												
7 <sup>TH</sup>	Corunna	29.99	54	-	NE	6	-	-	-	c	-	4
---	Brunels	30.27	30	-	NE	3	-	-	-	b	-	-
4	Paris	30.15	31	-	NNE	2	-	-	-	b	-	-
---	Strasbourg	30.20	35	-	NE	3	-	-	-	c	-	-
---	Lyons	29.96	41	-	N	3	-	-	-	c	-	-
---	Heart's Content	30.02+	24	-	N	1	4	NNE	2	cb	-	2

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870. *March 9<sup>th</sup>**Wednesday*

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	29.89	29	—	NW	6	6	NW	—	o	—	4
* Skudesnaes ...	29.89	33	28	NNW	8	6	NNW	—	o b	—	3
* Oxo (Christiansand)	29.83	32	—	NNW	2	4	SSW	—	co	—	2
Thurso ...	30.329	42	41	NNE	6	5	N	7	o 2	0.03	5
Wick ...	30.238	41	40	NNW	3	2	NNW	8	o	0.04	2
Nairn ...	30.339	42	41	NE	1	1	NW	8	6 o	0.02	2
Aberdeen ...	30.288	42	41	N	6	6	N	8	co	0.05	4
Leith ...	30.298	42	39	WNW	2	2	E	6	cm	—	—
Shields ...	—	44	42	NE	4	4	NE	3	e	—	4
Scarborough ...	30.189	42	39	N	4	5	N	9	co	—	4
Yarmouth ...	30.159	41	40	NW	4	4	N	6	e	—	3
Ardrossan ...	30.368	41	39	NW	2	1	SW	7	bc	—	1
Greenecastle ...	30.388	44	41	N	2	3	N	1	b	—	—
Holyhead ...	30.328	42	41	Z	0	3	NE	8	cm	—	—
Liverpool ...	30.278	—	—	NW	2	2	NW	8	co	—	1
Valencia ...	30.395	43	41	NE	3	4	ENE	8	6 o	—	2
Cape Clear ...	30.328	41	40	E	1	3	E	8	6 o	—	0
Roche's Point	30.338	41	39	NNE	2	5	ESE	9	co	—	2
Pembroke ...	30.278	40	38	NNW	1	5	NNE	8	co	—	1
Penzance ...	30.272	39	38	NNE	4	6	NE	7	o e	—	4
Plymouth ...	30.292	40	37	Z	0	4	N	9	co	—	0
Portsmouth ...	30.228	46	44	NNE	2	4	ENE	9	co	—	2
London ...	30.218	41	39	N	2	4	NE	9	co	—	—
Helder ...	30.008	38	—	NW	6	—	—	—	—	—	4
Cape Gris Nez	30.148	37	35	N	4	7	NE	9	o	—	4
Brest ...	30.152	39	37	NE	4	5	NE	9	o	—	3
L'Orient ...	30.092	37	35	ENE	5	5	ENE	9	co	—	2
Rochefort ...	30.088	37	35	E	4	4	E	0	6	—	1
Biarritz ...	30.048	37	35	SE	4	3	E	0	co	—	2
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	29.952	37	33	WNW	5	5	W	0	co	—	4
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

## 2 P.M. REPORT.

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

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 exposed in shade. 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.

\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 pm. on the previous day.

# REMARKS.

Wednesday

Atmospherical pressure has continued to decrease at all but the south western stations, and the change has now been greatest over the North Sea. Readings are, however, generally rather high, and the highest (at Valencia) exceeds by 0.39 in. that at Helder, and by 0.56 in. that at Bxö.

Temperature has risen a little, except in the south-west of England and west of France.

The wind has backed somewhat at the British and Norwegian stations, and is blowing hard from NNW at Skudesnaes, while fresh to moderate N<sup>W</sup> breezes are reported on our east coasts. In the Bay of Biscay the direction is still NE<sup>W</sup>, and force moderate.

A little rain has fallen in the north-east. The sky is very cloudy; and the sea 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.
MARCH												
8 <sup>TH</sup>	Biarritz	30.05+	37	38	SE	3	4	NNW	9	o	—	2
—	Corunna	29.97	50	—	NE	6	—	—	—	b	—	—
4	Brussels	30.11	44	—	NE	3	—	—	—	cf	—	—
—	Paris	30.10	36	—	NNE	2	—	—	—	o	—	—
—	Strasbourg	30.17	33	—	N	3	—	—	—	b	—	—
—	Lyons	29.98	43	—	NW	3	—	—	—	o	—	—
—	Heart's Content	30.12+	26	—	ENE	1	1	SSE	4	bc	—	2
—	Correction -											
—	Roche's Point	—	—	—	—	3	—	—	5	c	—	—

Metecrological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870. March 10<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	29.68	30	-	NW	6	6	N	-	cos	-	6
* Skudesnaes ...	29.77	32	-	NNW	4	4	NNW	-	eb	-	2
* Oxo (Christiansand)	29.72	27	-	NNW	4	4	NW	-	bc	-	1
Thurso ...	30.057	44	42	NNW	5	6	NNW	? 6	o	-	2
Wick ...	30.007	43	42	NW	3	5	NW	8	o	-	3
Nairn ...	30.117	44	42	NW	1	2	NE	7	co	0.02	2
Aberdeen ...	30.057	43	42	NNW	3	2	N	7	e	0.04	3
Leith ...	30.137	42	38	NW	3	2	SE	1	eb	-	-
Shields ...	-	43	40	NE	5	5	NE	2	c	-	4
Scarborough ...	30.057	44	41	N	4	5	N	7	c	0.06	4
Yarmouth ...	30.017	40	39	NW	3	4	NNW	6	c	-	3
Ardrossan ...	30.207	42	40	NNW	5	3	N	3	e	-	3
Greencastle ...	30.287	45	43	NNW	1	2	N	6	c	-	-
Holyhead ...	30.237	42	41	NNW	3	1	NNW	0	eb	-	-
Liverpool ...	30.177	-	-	W	2	2	W	0	eb	-	1
Valencia ...	30.372	41	39	N	1	3	NE	3	oc	-	0
Cape Clear ...	30.312	42	39	NE	3	2	E	4	oc	-	0
Roche's Point	? 30.305	39	36	N	1	2	NNE	6	c	-	1
Pembroke ...	30.227	42	41	NNW	3	4	NNW	8	o	-	1
Penzance ...	30.235	44	43	N	3	4	NNW	8	co	-	3
Plymouth ...	? 30.227	44	42	NW	2	3	N	7	c	-	1
Portsmouth ...	30.137	37	35	N	1	3	NNE	6	oc	-	1
London ...	30.117	40	37	NW	2	5	NNE	7	orc	-	-
Helder ...	29.84	38	-	WNW	6	-	-	-	-	-	4
Cape Gris Nez	30.067	37	37	N	4	4	NNE	9	zo	0.01	2
Brest ...	30.145	41	39	NE	3	5	E	8	of	-	2
L'Orient ...	30.102	41	39	ENE	3	5	ENE	7	oc	-	2
Rochefort ...	30.072	41	39	E	5	5	E	9	o	-	1
Biarritz ...	30.062	37	32	SE	1	5	N	4	ef	-	2
Corunna ...	30.00	50	-	NE	1	-	-	-	eb	-	2
Brussels ...	29.97	39	-	SW	3	-	-	-	c	-	-
Paris ...	30.08	36	-	N	2	-	-	-	o	-	-
Strasbourg ...	30.07	37	-	NW	3	-	-	-	o	-	-
Lyons ...	29.98	43	-	N	3	-	-	-	o	-	-
Toulon ...	29.717	54	52	NNW	3	5	WNW	0	b	-	2
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

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

**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** exposed in shade. **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.

\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 pm. on the previous day.

## REMARKS.

Thursday

The decrease in barometrical pressure at all but the south-western stations has continued steadily, and amounts to a quarter of an inch in the north of Scotland since yesterday. Readings continue highest in the south of Ireland, that at Valencia exceeding by 0.53 in. that at Helder, and by 0.69 in. that at Christiansund.

Temperature is unaltered.

Moderate NNW breezes now prevail throughout Gt. Britain and over the North Sea, drawing more towards NE in the south of Ireland and north-west of France.

An Aurora was seen at Greenacastle last night. The sky continues cloudy, except in the north of England. The sea is rough at Christiansund, moderate or 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.
MARCH.												
9 <sup>TH</sup>	Corunna	29.90	50	-	SW	6	-	-	-	C	-	2
---	Brussels	30.27	41	-	NNW	3	-	-	-	g	-	-
---	Paris	30.13	37	-	NNE	2	-	-	-	g	-	-
---	Strasbourg	30.16	38	-	W	3	-	-	-	g	-	-
---	Lyons	30.04	40	-	N	3	-	-	-	g	-	-
---	Hearts Content	29.19½	32	-	S	4	6	SE	8	SO	0.13	3

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

## WEATHER REPORT. 1870.

March 11<sup>th</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	29.29	27	-	NW	6	0	Z	-	-	-	-
*Skudesnaes ...	29.34	30	-	NNW	4	-	-	-	c	-	2
*Oxo (Christiansand)	-	-	-	NNE	4	2	NW	-	o c	-	2
Thurso ...	29.828	35	32	N	7	6	WNW	6	g p s	0.11	7
Wick ...	29.772	34	33	NNW	5	7	WNW	8	o	0.10	4
Nairn ...	29.878	35	33	NE	3	5	NW	6	o c	0.04	4
Aberdeen ...	29.737	34	33	NNW	5	7	NW	6	e z s	0.08	5
Leith ...	29.858	38	34	N	5	5	NW	2	b	-	-
Shields ...	-	39	36	N	6	7	N	2	c	-	4
Scarborough...	29.698	39	36	N	6	4	N	6	c	0.04	5
Yarmouth ...	29.638	42	40	NW	5	5	NNW	6	c	-	2
Ardrossan ...	29.908	39	35	NNW	5	6	NW	3	c	-	4
Greencastle ...	29.978	41	37	N	4	4	NNW	5	z c	0.03	-
Holyhead ...	29.918	45	41	WNW	5	4	WNW	7	c	-	-
Liverpool ...	29.828	-	-	NW	4	3	W	6	c	-	3
Valencia ...	30.168	47	44	N	4	3	N	8	c o	-	3
Cape Clear ...	30.118	43	42	NNE	1	2	NE	7	c	-	0
Roche's Point	30.048	45	43	NNW	6	6	NNW	6	c	-	3
Pembroke ...	29.938	44	42	NW	5	5	NW	7	c	-	2
Penzance ...	30.038	45	43	NW	4	5	NW	7	c	-	3
Plymouth ...	29.978	46	42	N	5	3	NNE	3	c	-	2
Portsmouth ...	29.808	43	41	NW	3	3	N	7	c	-	2
London ...	29.758	44	42	NW	5	5	NW	8	6 z o	0.01	-
Helder ...	29.45	39	-	?WNW	?7	-	-	-	-	-	4
Cape Gris Nez	29.698	39	39	W	5	4	NW	9	o	-	3
Brest ...	30.008	45	43	NNW	4	4	NNE	9	6 o	-	2
L'Orient ...	29.978	39	39	N	4	5	NE	6	o c	-	2
Rochefort ...	30.048	41	39	NE	5	5	NE	5	e	-	1
Biarritz...	30.028	36	32	SE	4	3	NE	0	m b	-	2
Corunna ...	-	-	-	-	-	-	-	-	-	-	-
Brussels ...	-	-	-	-	-	-	-	-	-	-	-
Paris ...	-	-	-	-	-	-	-	-	-	-	-
Strasbourg ...	-	-	-	-	-	-	-	-	-	-	-
Lyons ...	-	-	-	-	-	-	-	-	-	-	-
Toulon...	29.718	45	40	SW	1	5	W	0	b	-	2
Heart's Content (9 a.m. local time.)	-	-	-	-	-	-	-	-	-	-	-

## 2 P.M. REPORT.

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

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 exposed in shade. 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.

\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 pm. on the previous day.

# REMARKS.

Friz-day

Atmospherical pressure has decreased considerably at all stations. The lowest readings now reported are in Norway; and that at Valencia is 0.71 in. higher than at Helder, and 0.87 in. higher than at Christiansund. During the night, however, a recovery has commenced in the north of Scotland. Temperature has fallen considerably on our north and east coasts, but risen slightly in the English and Irish Channels. Valencia is 13° warmer than Aberdeen. The wind has backed to NW at our southern stations, and is blowing moderate to fresh from between N and WNW at all stations; with squalls of snow at Thurso and Aberdeen. The sky remains cloudy generally. The sea is high at Thurso, moderate or 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.
MARCH 10 <sup>TH</sup>	Heart's Content	29.19+	33	33	WSW	5	6	SW	5	sc	0.07	5
	<u>Correction.</u>											
	Roche's Point	30.33s	—	—	—	—	—	—	—	—	—	—

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870. *March 12<sup>th</sup>**Satur. 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	29.22	28	—	SSW	4	2	ESE	—	c	—	4
*Skudesnaes ...	29.21	23	—	NNW	4	8	NNW	—	esb	—	5
*Oxo (Christiansand)	29.13	24	—	N	6	2	?NW	—	c	—	2
Thurso ...	29.64 <sup>f</sup>	29	—	NNW	8	7	N	?6	s	0.04	5
Wick ...	29.51 <sup>f</sup>	29	—	NW	7	6	NNW	9	s	0.07	5
Nairn ...	29.70 <sup>f</sup>	25	—	WNW	5	2	NNW	6	c	0.03	4
Aberdeen ...	29.57 <sup>f</sup>	24	—	NW	6	8	N	0	hob	—	—
Leith ...	29.72 <sup>f</sup>	29	—	N	7	5	N	2	bps	—	—
Shields ...	—	30	—	?	6	6	?	2	c	—	7
Scarborough...	29.64 <sup>f</sup>	30	—	NNW	5	6	N	5	c	—	5
Yarmouth ...	29.63 <sup>f</sup>	31	—	WNW	2	6	NNW	6	sc	0.11	2
Ardrossan ...	29.77 <sup>f</sup>	32	—	NNW	8	9	NNW	3	c	—	6
Greencastle ...	29.86 <sup>f</sup>	35	34	N	3	5	N	9	ho	0.04	—
Holyhead ...	29.84 <sup>f</sup>	36	32	NNW	6	7	NNW	7	plc	—	—
Liverpool ...	29.74 <sup>f</sup>	—	—	NW	7	3	NW	4	c	—	6
Valencia ...	29.95 <sup>f</sup>	44	42	N	1	4	?	7	re	0.03	0
Cape Clear ...	29.91 <sup>f</sup>	42	41	NE	1	2	NW	7	c	—	0
Roche's Point	29.92 <sup>f</sup>	40	37	N	1	6	NNW	7	bc	—	1
Pembroke ...	29.83 <sup>f</sup>	38	33	NW	6	6	NW	8	o	—	2
Penzance ...	29.87 <sup>f</sup>	40	37	NNW	4	5	NW	7	c	—	4
Plymouth ...	? 29.85 <sup>f</sup>	41	38	NNW	2	3	N	7	pc	—	1
Portsmouth ...	29.72 <sup>f</sup>	38	35	N	2	4	N	8	co	—	1
London ...	29.70 <sup>f</sup>	35	34	NNW	2	3	NW	9	hos	—	—
Helder ...	29.51	32	—	N	6	—	—	—	—	—	2
Cape Gris Nez	29.64 <sup>f</sup>	36	32	W	5	5	NW	9	o	—	3
Brest ...	29.83 <sup>f</sup>	45	40	N	4	5	NNW	7	o	—	2
L'Orient ...	29.80 <sup>f</sup>	39	37	NW	3	4	NNW	6	oc	—	2
Rochefort ...	29.86 <sup>f</sup>	41	39	*NW	5	5	NW	0	b	—	1
Biarritz...	29.88 <sup>f</sup>	43	39	SSE	3	5	N	9	co	—	2
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 ...	—	—	—	—	—	—	—	—	—	—	—

**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** exposed in shade. **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.

\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 pm. on the previous day.

## REMARKS.

Saturday

Atmospherical pressure after recovering somewhat over the North Sea yesterday has again decreased on our north-east coasts during the night; and in the meantime a second diminution appears to have set in at our south-western stations. The highest reading is, however, still at Valencia, and is 0.44 in: above those at Helder and Wick, and 0.82 in above that at Oxo.

Temperature has fallen considerably everywhere, and is very low in Scotland - Aberdeen is 20° colder than Valencia.

In Great Britain the winds have freshened from N and NW, except in the English Channel; and in Scotland and the Irish Sea are blowing very strong with showers of snow and hail. In Ireland, however, light N<sup>W</sup> breezes are at present reported.

The sky has now cleared somewhat in the north-east, but the weather is unsettled; and the sea rough except in the Channel.

Warnings issued to the north and east coasts, and the Irish Sea.

## 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.
MARCH												
11 <sup>TH</sup>	Corunna	29.90	50	-	NE	3	-	-	-	b	-	2
	Brussels	29.60	42	-	SW	4	-	-	-	o	-	-
	Paris	29.81	41	-	W	2	-	-	-	o	-	-
	Strasbourg	29.80	41	-	SW	-	-	-	-	o	-	-
	Lyon	29.96	41	-	N	3	-	-	-	o	-	-
	Heart's Content	29.64+	29	-	W	2	5	W-SW	2	cps	0.02	3
	Corrections.											
	Christiansund	-	-	-	-	-	-	-	-	s	-	4
	Skudesnaes	-	-	-	-	-	2	NNW	-	-	-	-
	Oxo	29.29	28	-	-	-	-	-	-	-	-	-

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

## WEATHER REPORT. 1870.

Sun-day

March 13<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	29.55	18	-	ESE	4	-	-	-	b	-	2
*Skudesnaes ...	29.45	27	-	NNW	2	2	NNW	-	b	-	5
*Oxo (Christiansand)	29.34	23	-	-	6	6	NNW	-	b	-	3
Thurso ...	29.74r	37	34	ENE	5	8	NNW	2	oc	0.36	4
Wick ...	29.72r	32	-	NNE	2	5	NW	7	sc	0.40	3
Nairn ...	29.74r	34	33	W	2	6	NNW	6	c	0.02	2
Aberdeen ...	29.73r	34	33	NW	2	9	NW	5	sc	0.05	3
Leith ...	29.76r	35	32	WNW	2	3	NW	1	b m	-	-
Shields ...	-	32	-	NNE	2	2	NNE	1	b	-	7
Scarborough ...	29.60r	35	33	NNW	3	6	NNW	4	b sc	-	4
Yarmouth ...	29.70r	33	33	N	3	3	NW	2	cb	-	3
Ardrossan ...	29.76r	33	33	N	4	7	NNW	0	cb	-	3
Greencastle ...	29.84r	37	33	NNW	2	3	N	2	osc	0.01	-
Holyhead ...	29.765	34	33	NNW	4	5	NNW	7	c	0.20	-
Liverpool ...											
Valencia ...											
Cape Clear ...	29.81r	38	38	NE	6	4	NW	6	c	0.02	3
Roche's Point	29.83r	36	33	NNE	4	5	WSW	3	cmb	-	2
Pembroke ...	29.71f	35	34	N	4	8	? NNW	6	oc	0.05	3
Penzance ...	29.74f	41	40	NNW	3	6	NW	7	b pc	0.06	3
Plymouth ...	29.76f	42	38	NNW	3	4	NNW	5	pc	-	2
Portsmouth ...	29.68f	35	34	ENE	3	6	N	6	sc	0.15	2
London ...	29.65f	34	32	EHE	2	6	NNE	9	b as	0.16	-
Helder ...											
Cape Gris Nez	29.73f	32	-	Z	0	5	NW	9	s	0.05	0
Brest ...											
L'Orient ...	29.73f	41	39	WSW	4	4	N	7	c	-	2
Rochefort ...	29.855	36	34	NNW	5	4	NNW	0	b	-	1
Biarritz ...	29.86r	43	39	S	3	3	NE	9	fo	-	2
Corunna ...	29.87	50	-	NE	3	-	-	-	b	-	2
Brussels ...	29.67	36	-	SW	1	-	-	-	o	-	-
Paris ...											
Strasbourg ...	29.91	34	-	SSW	3	-	-	-	-	-	-
Lyons ...	29.80	39	-	N	3	-	-	-	b	-	-
Toulon ...	29.57f	39	37	NW	5	8	WNW	0	b	-	4
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

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

**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** exposed in shade. **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.—mist (hazy); o.—overcast (dull); p.—passing showers; q.—squally; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**, snow-hail (melted), during last 24 hours. **SEA DISTURBANCE**: 0=dead calm; 9=extremely high sea.

\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 pm. on the previous day.

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EIGHT A.M.

WEATHER REPORT. 1870. *March 14<sup>th</sup>**Mon day*

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (9 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.56	30	-	SSW	6	2	SE	-	o	-	4
* Skudesnaes ...	29.78	26	-	?	4	0	Z	-	b	-	2
* Oxo (Christiansand)	29.77	15	-	NNW	4	4	N	-	b	-	2
Thurso ...	29.922	27	-	SW	3	5	ENE	? 2	c	0.36	3
Wick ...	29.882	29	-	WNW	4	3	NW	3	c	-	3
Nairn ...	29.922	32	-	S	1	2	W	0	cbm	-	1
Aberdeen ...	29.942	32	-	W	1	2	NW	0	cbm	-	1
Leith ...	29.972	29	-	NW	1	2	NW	0	b f	-	-
Shields ...	-	33	32	NNW	3	1	NNE	1	b	-	4
Scarborough...											
Yarmouth ...	30.082	30	-	WSW	2	3	NW	2	cb	-	2
Ardrossan ...	29.982	32	-	E	2	5	W	4	cbm	-	1
Greencastle ...	29.962	36	34	SW	1	3	W	8	so	0.06	-
Holyhead	30.032	36	34	SSE	2	4	NNW	8	co	-	-
Liverpool		-	-	SE	2	2	W	4	c	-	1
Valencia ...	29.922	42	40	SSE	4	4	SW	7	c	-	3
Cape Clear ...	29.932	? 33	? 32	SSE	5	3	SE	7	c	-	3
Roche's Point	29.982	41	37	S	3	3	SE	5	bc	-	2
Pembroke ...	30.012	34	32	N	2	4	N	7	cm	-	1
Penzance ...	30.032	36	34	Z	0	6	N	6	cf	-	2
Plymouth	? 30.072	35	33	E	? 2	5	NNW	5	c	-	1
Portsmouth ...	30.102	30	-	NW	1	3	NE	3	c	-	0
London ...	30.112	28	-	W	1	4	NE	-	cbm	-	-
Helder ...	30.00	35	-	WNW	3	-	-	-	-	-	2
Cape Gris Nez	30.092	34	32	NE	3	4	E	3	sc	0.03	1
Brest ...	30.052	37	33	SE	4	4	N	1	b	-	4
L'Orient ...	30.052	34	32	ENE	3	5	N	3	c	-	2
Rochefort ...	30.092	32	-	NW	5	5	NW	4	c	-	1
Biarritz...	30.032	45	43	IS	3	3	W	9	m 2	0.16	3
Corunna ...											-
Brussels ...											-
Paris ...											-
Strasbourg ...											-
Lyons ...											-
Toulon ...	29.672	34	29	NW	8	7	NW	0	b	-	6
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

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

**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** exposed in shade. **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.

\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 pm. on the previous day.

## REMARKS.

Mon-day

Yesterday morning atmospheric pressure had recovered considerably from the depression which existed in Norway on Saturday, while a slight further decrease had taken place at the south-western stations, and to-day a general increase in readings is reported, especially in the south-east of England—where they are now highest. Pressure is very uniform in our Islands and France, but rather lower at the Scandinavian stations.

Temperature had risen considerably in Scotland on Sunday while a fall had commenced at some southern stations. To-day a decrease has been general, and the weather is cold over the North Sea.

The NW gale of Saturday died out without extending to much of our other coasts, and the winds have since fallen light and are very variable.

Snow fell on the east coast yesterday morning. A slight aurora was seen at Penzance last night. The sky is now clear in the east, 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.		Extreme.		Cloud.	Weather.	Rain.	Sea.
MARCH												
12 <sup>th</sup>	Corunna	29.77	50	—	NE	9	—	—	—	b	—	—
—	Brunels	29.61	36	—	SW	3	—	—	—	asc	—	—
6	Paris	29.73	37	—	SSW	2	—	—	—	o	—	—
—	Strasbourg	29.81	37	—	NW	3	—	—	—	o	—	—
—	Lyons	29.80	46	—	NW	3	—	—	—	o	—	—
—	Toulon	29.60+	39	35	NW	7	7	WNW	0	hb	—	5
—	Heart's Content	29.61 f	18	—	NNW	5	5	NNW	4	esg	0.05	5
—	Correction— Valencia.	—	—	—	—	—	—	N	—	—	—	—

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870. *March 15<sup>th</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	29.71	29	-	ESE	4	8	WSW	-	cs	-	4
* Skudesnaes ...	29.92	30	-	SE	6	0	Z	-	o	-	2
* Oxo (Christiansand)	29.96	21	-	NNW	4	2	?NW	-	c	-	1
Thurso ...	29.51 <sup>8</sup>	36	34	SSE	4	3	SSE	8	co	-	1
Wick ...	29.48 <sup>8</sup>	39	38	SSE	3	3	SSE	8	co	-	3
Nairn ...	29.51 <sup>8</sup>	40	38	S	2	1	S	5	bc	-	1
Aberdeen ...	29.61 <sup>8</sup>	37	36	SSW	3	2	SSE	9	cz	-	3
Leith ...	29.60 <sup>8</sup>	41	38	S	8	4	SW	7	c	-	-
Shields ...	-	37	35	SW	2	2	SW	7	o	-	2
Scarborough...	29.86 <sup>8</sup>	35	33	SW	5	2	W	9	co	-	4
Yarmouth ...	30.06 <sup>8</sup>	37	36	SSE	2	3	SW	4	c	-	2
Ardrossan ...	29.60 <sup>8</sup>	43	42	SW	6	6	SW	8	cz	0.28	7
Greencastle ...	29.49 <sup>8</sup>	45	44	SW	2	4	SW	8	co	0.06	-
Holyhead ...	29.72 <sup>8</sup>	42	41	S	8	3	SSW	9	oz	-	-
Liverpool ...	29.79 <sup>8</sup>	-	-	SE	3	2	SE	8	cz	-	2
Valencia ...	29.55 <sup>8</sup>	49	47	SSW	5	7	S	9	co	0.41	4
Cape Clear ...	29.59 <sup>8</sup>	48	47	S	6	7	S	9	oz	0.23	5
Roche's Point	29.62 <sup>8</sup>	46	46	SW	6	7	S	9	co	0.52	5
Pembroke ...	29.76 <sup>8</sup>	43	42	S	7	7	S	9	oz	0.04	4
Penzance ...	29.85 <sup>8</sup>	45	44	S	7	7	S	9	cm	-	8
Plymouth ...	29.95 <sup>8</sup>	44	42	S	4	5	SSE	9	cp	-	3
Portsmouth ...	30.02 <sup>8</sup>	39	36	WNW	4	2	SW	9	co	-	3
London ...	30.03 <sup>8</sup>	37	35	SSW	3	2	W	7	bc	-	-
Helder ...	30.12	34	-	SSW	3	-	-	-	-	-	4
Cape Gris Nez	30.12 <sup>8</sup>	32	-	S	4	3	W	5	c	-	2
Brest ...	29.98 <sup>8</sup>	44	40	SSE	5	5	SSE	6	co	-	4
L'Orient ...											
Rochefort ...											
Biarritz...	30.02 <sup>8</sup>	43	39	S	3	4	?N	1	c	-	2
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon...	30.062	41	34	?N	3	8	ESE	2	b	-	6
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

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

**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** exposed in shade. **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.

\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 pm. on the previous day.

# REMARKS.

Tues. day

Since yesterday a considerable decrease of pressure has taken place on our coasts, especially in the north-western districts, where the lowest readings are now found. Pressure in Holland is now 0.63 in. higher than that at Greenacastle.

Temperature has risen quickly throughout our Islands.

The winds have all backed to the SWd, and freshened somewhat, blowing very strongly up the Irish Channel.

The sky has become overcast generally, with rain in the south of Ireland. The sea is high at Penzance.

## 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.
MARCH												
13 <sup>TH</sup>	Liverpool	29.87+	-	-	W	3	4	NW	2	cb	-	2
---	Valencia	29.88+	42	40	NE	4	3	NNW	8	ro	0.06	2
14 <sup>TH</sup>	Corunna	29.97	50	-	NE	3	-	-	-	b	-	2
---	Brunels	30.07	36	-	SSW	3	-	-	-	b	-	-
---	Paris	30.14	31	-	NW	2	-	-	-	b	-	-
---	Strasbourg	30.15	31	-	N	3	-	-	-	b	-	-
---	Lyon	30.02	41	-	N	3	-	-	-	o	-	-
---	Heart's Content	29.37f	26	-	NE	1	5	NNW	6	csb	0.01	2

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870. *March 16<sup>th</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	29.66	34	31	N	6	8	WSW	—	o b	—	4
* Skudesnaes ...	29.70	36	36	SSE	6	6	SE	—	o r	—	4
* Oxo (Christiansand)	—	35	33	SSW	4	6	SSW	—	o s	—	3
Thurso ...	29.428	38	37	ESE	3	3	SSE	7	e	0.01	2
Wick ...	29.428	41	40	SSW	3	3	SSE	9	e o	—	3
Nairn ...	29.368	38	36	SE	1	2	SSW	7	6 o	—	1
Aberdeen ...	29.408	39	38	S	1	1	SSW	9	e o	—	1
Leith ...	29.338	41	41	ENE	3	5	SV	8	cm r	0.25	—
Shields ...	—	45	44	SW	2	2	SW	8	2 f	?	2
Scarborough ...	29.428	46	45	SW	5	5	SSW	9	o	0.18	4
Yarmouth ...	29.668	41	41	SSE	5	5	S	6	e	0.12	5
Ardrossan ...	29.308	44	43	NE	3	1	SE	8	2	0.44	3
Greencastle ...	29.298	47	47	WSW	1	3	SW	9	2	0.18	—
Holyhead ...	29.408	47	47	SSW	5	7	S	9	2	0.68	—
Liverpool ...	29.398	—	—	SW	2	3	SE	?	e o	0.11	2
Valencia ...	29.542	50	49	WSW	4	5	SW	8	2 o	0.57	3
Cape Clear ...	29.522	49	48	W	6	8	SW	8	2 o	0.52	5
Roche's Point	29.495	48	47	W	6	8	W	6	2 c	0.78	4
Pembroke ...	29.518	47	47	WSW	7	8	SW	9	2 o	0.44	5
Penzance ...	29.668	50	50	SW	5	7	W	9	2 m	0.69	4
Plymouth ...	29.728	49	48	SSW	3	5	S	9	2	0.38	3
Portsmouth ...	29.668	47	46	WSW	6	5	SSW	9	c r	0.20	5
London ...	29.668	47	46	WSW	4	6	S	9	2 o r	0.14	—
Helder ...	29.84	35	—	S	6	—	—	—	—	—	4
Cape Gris Nez	29.738	41	37	SW	5	5	SSW	9	o r	0.04	4
Brest ...	29.868	49	49	SW	5	7	SW	9	2 m	0.43	5
L'Orient ...	29.948	48	48	WSW	5	5	SSE	9	c r	0.08	4
Rochefort ...	30.082	47	45	SW	5	4	SE	9	cm	—	1
Biarritz ...	30.142	49	44	S	3	4	VV	5	f	—	3
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	30.152	43	39	—	3	4	—	4	e	—	3
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

## 2 P.M. REPORT.

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

**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** exposed in shade. **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.—mist (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.

\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 p.m. on the previous day.

# REMARKS.

Wednesday

The decrease of pressure noticed yesterday has continued at nearly all stations, but during the night has been succeeded by a brisk recovery in the south of Ireland. The lowest readings are still in the north-west of our Islands and that at Greenecastle is less by 0.55 in. than that at Helder.

Temperature has again risen, especially in England and Norway.

It blew hard from south-west in the southern part of the Irish Channel last night but has again moderated. Fresh SW<sup>ly</sup> breezes are now general in England and France, drawing gradually to W in the south of Ireland, but light E<sup>ly</sup> winds have shown themselves in Scotland and a fresh N<sup>ly</sup> wind at Christiansund.

Heavy rain fell on our west coasts yesterday, and still continues in some parts. The sky is overcast everywhere, and weather unsettled. The sea is moderate.

The W<sup>ly</sup> coasts were warned yesterday.

## 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.
MARCH												
15 <sup>th</sup>	Rocheport	30.08f	34	34	SE	5	5	9S	0	b	—	5
---	Corunna	30.06	51	—	SW	3	—	—	—	c	—	2
---	Brunels	29.99	37	—	SSE	1	—	—	—	b	—	—
---	Paris	30.19	32	—	SE	2	—	—	—	c	—	—
---	Strasbourg	30.36	31	—	SW	3	—	—	—	b	—	—
---	Lyons	30.20	37	—	N	3	—	—	—	b	—	—
---	Heart's Content	29.36f	30	—	NNE	2	2	NE	8	cs	0.05	3
---	Correction											
---	Portsmouth.	Direction of wind at 8 a.m. should be SW instead of WNW.										

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

## WEATHER REPORT. 1870.

March 17<sup>th</sup>

Thurs-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	29.87	30	-	ENE	8	6	ENE	-	6	-	3
* Skudesnaes ...	29.76	36	35	Z	0	0	Z	-	6	-	3
* Oxo (Christiansund)	29.77	34	33	NNE	6	6	ENE	-	50	-	3
Thurso ...	29.637	40	39	SSE	4	5	SE	7	f	-	1
Wick ...	29.627	41	40	ESE	3	3	ESE	8	o	-	3
Nairn ...	29.617	41	41	Z	0	1	SE	9	cm	0.02	1
Aberdeen ...	29.687	40	39	ESE	1	1	SE	9	f	0.02	1
Leith ...	29.667	40	40	E	2	2	NE	8	om	0.10	-
Shields ...	-	43	43	E	1	2	NW	7	nmf	?	2
Scarborough ...	29.677	45	44	N	1	4	SW	9	of	-	2
Yarmouth ...	29.707	48	48	WSW	2	6	SSW	6	cm	0.13	2
Ardrossan ...	29.657	47	46	SE	1	2	N	7	cf	0.13	1
Greencastle ...	29.697	49	48	W	2	3	WNW	9	r	0.08	-
Holyhead ...	29.737	48	48	W	4	4	SSW	9	o	0.13	-
Liverpool ...	29.687	-	-	W	3	2	W	9	or	0.08	1
Valencia ...	29.887	51	50	W	3	5	WSW	3	rc	0.32	4
Cape Clear ...	29.857	48	47	? W	4	6	SW	4	rfe	0.20	4
Roche's Point	29.847	48	47	W	2	6	W	9	mo	0.22	3
Pembroke ...	29.817	46	45	W	5	7	WSW	3	fom	0.18	4
Penzance ...	29.957	50	50	W	4	6	SW	9	mr	0.15	4
Plymouth ...	? 29.917	52	51	W	3	5	SW	7	oc	0.13	3
Portsmouth ...	29.797	49	48	W	4	6	WSW	8	o	0.08	3
London ...	29.757	51	50	W	2	5	SW	9	cro	0.20	-
Helder ...	29.66	41	-	W	3	-	-	-	-	-	2
Cape Gris Nez	29.787	40	40	SW	4	7	SW	9	m	0.20	3
Brest ...	30.037	49	49	W	4	5	WSW	9	mf	0.24	5
L'Orient ...	30.097	47	47	W	4	5	WSW	9	rf	0.43	4
Rochefort ...	30.117	49	49	W	4	4	SW	9	fo	0.12	3
Biarritz ...	30.197	51	47	SE	1	3	S	6	f	-	4
Corunna ...											-
Brussels ...											-
Paris ...											-
Strasbourg ...											-
Lyons ...											-
Toulon ...	30.097	43	39	NE	3	4	S	5	c	-	3
Heart's Content (9 a.m. local time.)											-

## 2 P.M. REPORT.

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

**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** exposed in shade. **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.

\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 p.m. on the previous day.

## REMARKS.

Thursday

Since yesterday pressure has increased generally and become rather uniform. It is, however, rather lowest in Scotland, and the reading at Wick is 0.49 in. less than that at Rochefort.

Temperature has risen at the south-eastern stations, and is high, except in Norway.

The winds are light from the W<sup>ind</sup> at all but the northern stations; but in Scotland light E<sup>ly</sup> breezes, and in Norway fresh NE<sup>ly</sup> winds are reported.

Rain has fallen in the west and south. The sky is overcast, with thick fog on the east coast. 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.
MARCH									
16 <sup>TH</sup>	Corunna	30.13	52	—	NE	—	c	—	2
---	Brunels	29.92	42	—	SW	6	c	—	—
---	Paris	29.99	58	—	SW	2	—	—	—
---	Strasbourg	30.26	36	—	W	3	b	—	—
---	Lyon	30.16	41	—	N	3	b	—	—
---	Heart's Content	29.64r	31	—	NNE	5	7 NNE	8 so	0.15 5

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

## WEATHER REPORT. 1870.

March 18<sup>th</sup>

Friday

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb.
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	30.18	26	-	ESE	6	6	ENE	-	bo	-	2
* Skudesnaes ...	30.22	35	33	SSE	4	0	Z	-	bc	-	2
* Oxo (Christiansund)	30.21	30	-	NE	6	8	NE	-	cb	-	4
Thurso ...	30.072	45	44	SSW	1	5	SSE	7	rc	0.08	0
Wick ...	30.062	43	42	NNW	1	2	ESE	8	o	0.04	2
Nairn ...	30.092	47	45	WNW	1	1	E	8	mro	0.02	1
Aberdeen ...	30.152	41	40	S	1	1	SE	9	frum	0.07	1
Leith ...	30.142	42	42	E	2	2	E	-	om	-	-
Shields ...	-	43	43	E	1	1	E	7	mfr	-	2
Scarborough ...	30.132	41	41	E	1	1	N	9	f	0.02	2
Yarmouth ...	30.082	40	40	N	2	3	NNE	6	mc	-	2
Ardrossan ...	30.152	47	45	W	2	3	W	8	co	-	1
Greencastle ...	30.182	46	45	Z	0	4	WNW	7	rc	0.01	-
Holyhead ...	30.162	45	44	WNW	1	4	WSW	9	co	-	-
Liverpool ...	30.132	-	-	W	2	2	W	6	c	0.03	1
Valencia ...	30.182	50	50	Z	0	3	W	8	of	0.05	5
Cape Clear ...	30.152	48	48	WSW	2	1	W	9	f	0.05	1
Roche's Point	30.152	48	48	WSW	1	2	W	9	bm f	0.05	2
Pembroke ...	30.142	46	45	NNW	1	5	W	8	mo	-	3
Penzance ...	30.182	54	53	Z	0	4	WNW	9	cf	0.01	1
Plymouth ...	30.162	48	47	Z	0	4	W	5	cm	-	0
Portsmouth ...	30.082	46	45	N	1	4	NW	3	co	-	1
London ...	30.082	47	45	NW	1	3	NW	9	cpo	-	-
Helder ...	30.01	37	-	NNE	4	-	-	-	-	-	4
Cape Gris Nez	30.042	43	-	NNW	1	4	WSW	9	f	-	1
Brest ...	-	48	48	N	1	4	W	9	m	0.12	4
L'Orient ...	30.172	46	46	?W	1	4	W	4	fc	-	2
Rochefort ...	30.132	47	45	NNW	4	5	W	9	o	-	3
Biarritz ...	30.152	53	51	S	1	4	NNW	9	fo	-	5
Corunna ...	-	-	-	-	-	-	-	-	-	-	-
Brussels ...	-	-	-	-	-	-	-	-	-	-	-
Paris ...	-	-	-	-	-	-	-	-	-	-	-
Strasbourg ...	-	-	-	-	-	-	-	-	-	-	-
Lyons ...	-	-	-	-	-	-	-	-	-	-	-
Toulon ...	-	-	-	-	-	-	-	-	-	-	-
Heart's Content (9 a.m. local time.)	29.762	45	38	WNW	7	7	W	5	cf	-	4

## 2 P.M. REPORT.

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

**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** exposed in shade. **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.

\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 p.m. on the previous day.

# REMARKS.

Fri-day

Pressure has continued to increase briskly in our Islands and is now rather high, and remarkably uniform; the greatest difference between any two readings on the coasts of the British Islands being 0.10 in. (Valencia to Harmouth).

Temperature has decreased somewhat in the south and east of England.

The winds are all extremely light and variable, and in the Channel it is calm.

A little rain is reported. The sky is overcast and much fog prevails. 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.
MARCH												
17 <sup>TH</sup>	Corunna	30.21	51	-	NE	3	-	-	-	o	-	2
---	Brussels	29.75	50	-	SW	1	-	-	-	o	-	-
---	Paris	29.89	57	-	W	2	-	-	-	o	-	-
---	Strasbourg	29.96	50	-	SW	1	-	-	-	h	-	-
---	Lyons	30.06	47	-	S	3	-	-	-	h	-	-
---	Heart's Content	29.98+	30	-	NE	2	5	NNE	4	c	-	2
---	Correction.											
---	Cape Clear	-	49	48	W	-	-	-	-	-	-	-

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

## WEATHER REPORT.

1870. *March 19<sup>th</sup>**Satur. 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	30.16	36	35	SSE	2	4	ESE	—	o	—	2
* Skudesnaes ...	30.47	33	32	SE	6	4	SSW	—	o	—	4
* Oxo (Christiansand)	30.53	30	—	NNE	4	4	NNE	—	bc	—	3
Thurso ...	30.232	40	46	SSW	3	2	S	6	c	—	1
Wick ...	30.222	47	46	S	6	2	ESE	8	o	—	2
Nairn ...	30.272	50	47	SW	2	1	WSW	3	c	—	1
Aberdeen ...	30.322	43	42	SSW	1	2	S	6	oc	—	1
Leith ...	30.372	47	45	W	2	2	E	9	o	—	—
Shields ...	—	42	41	WSW	2	2	SE	5	cm	—	3
Scarborough ...	30.442	38	37	SW	1	2	NE	9	o	—	2
Yarmouth ...	30.452	37	35	NE	3	3	NE	4	mc	—	3
Ardrossan ...	30.392	45	43	SW	3	1	S	7	c	—	2
Greencastle ...	30.362	49	48	WSW	1	1	S	9	co	—	—
Holyhead ...	30.412	44	43	?	1	2	WNW	7	cm	—	—
Liverpool ...	30.402	—	—	SE	2	2	W	8	co	—	1
Valencia ...	30.382	50	50	SSW	1	2	N	8	fo	0.03	3
Cape Clear ...	30.352	48	46	ESE	2	1	SE	8	fo	0.03	1
Roche's Point	30.372	45	43	ESE	1	1	S	2	fb	—	1
Pembroke ...	30.392	44	43	E	3	3	NNW	9	cm	—	2
Penzance ...	30.402	46	45	E	4	5	SE	9	ho	—	4
Plymouth ...	30.412	45	43	E	1	3	N	7	c	—	0
Portsmouth ...	30.402	39	37	E	1	1	NE	9	o	—	1
London ...	30.432	37	35	ENE	2	2	NNE	9	com	—	—
Helder ...	30.40	34	—	NE	6	—	—	—	—	—	4
Cape Gris Nez	30.382	36	34	NE	4	5	NNE	9	mo	0.04	3
Brest ...	—	42	38	NE	3	4	NE	8	bo	—	3
L'Orient ...	30.322	42	40	ENE	4	4	W	8	eo	—	3
Rochefort ...	30.192	42	40	ENE	4	5	NW	0	cb	—	3
Biarritz ...	30.152	46	46	E	4	4	NNE	0	mf	—	5
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	29.942	50	46	ENE	1	4	ENE	1	cb	—	5
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

## 2 P.M. REPORT.

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

**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** exposed in shade. **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.—mist (hazy); o.—overcast (dull); p.—passing showers; q.—squally; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**, snow (hail melted), during last 24 hours. **SEA DISTURBANCE**: 0=dead calm; 9=extremely high sea.

\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 p.m. on the previous day.

# REMARKS.

Saturday

Barometrical readings have again increased in our Islands principally at the south-eastern stations, and are high generally: that at Thurso is 0.22 in. less than that at Yarmouth, and 0.30 in. less than that at Oslo.

Temperature has risen in the north and north-west, but has again decreased at the southern stations — especially in London. Helder is 15° colder than Greenacastle.

Light to moderate NE winds now prevail in the south of England and on the Continent, while a light S to SW breeze exists in Scotland and the north of Ireland.

The weather though very cloudy is fine, and the fog has cleared somewhat.

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.
MARCH									
18 <sup>TH</sup>	Cotunna	30.10	54	SW	1	—	6	—	—
—	Brussels	29.96	46	W	3	—	0	—	—
—	Paris	30.02	50	NW	2	—	0	—	—
—	Strasbourg	30.06	50	NW	3	—	0+	—	—
—	Lyons	30.02	51	NW	3	—	0	—	—
—	Heart's Content.	29.72f	34	E	2	4 ENE	7 cs	0.06	3
Erratum.									
The observations belonging to "Loulou" were entered after Heart's Content yesterday, by mistake.									

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

## WEATHER REPORT. 1870.

Sun-day

March 20<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	29.65	43	39	SSW	6	4	SSW	—	ot	—	5
* Skudesnaes ...	30.11	36	33	SSE	8	6	SE	—	ost	—	7
* Oxo (Christiansund)	30.26	33	32	SSW	8	4	S	—	os	—	5
Thurso ...	? 30.20f	44	42	WNW	6	5	SW	7	c	0.07	4
Wick ...	30.15f	46	43	WNW	6	6	WSW	6	c	0.06	3
Nairn ...	30.22f	48	46	SW	1	4	SW	6	oc	0.03	1
Aberdeen ...	30.23f	47	44	NNW	1	1	SSW	8	bo	—	1
Leith ...	30.26f	50	47	WNW	6	2	WNW	5	oc	—	—
Shields ...	—	45	43	W	1	5	WSW	5	cm	—	2
Scarborough ...	30.36f	44	43	WSW	3	3	S	9	co	—	3
Yarmouth ...	30.44f	40	39	SW	3	3	ENE	2	cb	—	3
Ardrossan ...	30.33f	48	46	W	4	2	E	7	c	—	3
Greencastle ...	30.36f	53	51	WNW	2	1	WSW	9	o	—	—
Holyhead ...	30.44f	44	43	SSW	2	2	SSW	9	co	—	—
Liverpool ...	—	—	—	—	—	—	—	—	—	—	—
Valencia ...	30.48f	48	46	SSW	1	2	SSW	9	bo	—	3
Cape Clear ...	—	—	—	—	—	—	—	—	—	—	—
Roche's Point	30.47f	46	44	Z	0	1	S	9	cm	—	0
Pembroke ...	30.47f	39	39	SE	1	3	SE	9	mf	—	3
Penzance ...	30.49f	44	43	SE	1	5	E	8	o	—	1
Plymouth ...	? 30.50s	45	43	Z	0	3	ESE	5	cm	—	0
Portsmouth ...	30.48f	37	35	ENE	1	1	E	9	co	—	1
London ...	30.47f	36	35	W	1	2	N	9	bo	—	—
Helder ...	—	—	—	—	—	—	—	—	—	—	—
Cape Gris Nez	30.47f	34	32	SE	2	4	NE	9	o	—	1
Brest ...	—	34	32	ENE	3	4	NE	0	b	—	3
L'Orient ...	30.43f	35	35	—	5	5	—	9	cm	—	3
Rocheport ...	30.31f	39	—	ENE	5	6	—	0	ob	—	2
Biarritz ...	30.26f	41	39	SE	3	7	N	7	f	—	5
Corunna ...	30.19	55	—	NE	1	—	—	—	b	—	2
Brussels ...	30.43	57	—	NE	3	—	—	—	c	—	—
Paris ...	30.40	39	—	NNE	2	—	—	—	o	—	—
Strasbourg ...	30.49	36	—	NE	6	—	—	—	b	—	—
Lyons ...	30.06	44	—	N	3	—	—	—	o	—	—
Toulon ...	30.08	46	44	NNW	3	3	ENE	5	rh	—	3
Heart's Content (9 a.m. local time.)	29.20f	37	37	ESE	1	5	ESE	5	f	0.23	2

## 2 P.M. REPORT.

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

**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** exposed in shade. **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.—mist (hazy); o.—overcast (dull); p.—passing showers; q.—squally; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**, snow (hail melted), during last 24 hours. **SEA DISTURBANCE**: 0=dead calm; 9=extremely high sea.

\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 p.m. on the previous day.

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DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870. 21<sup>st</sup> March

Morning

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb.
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
*Christiansund	29.94	32	-	WSW	6	8	WSW	-	rs	-	6
*Skudesnaes ...	30.08	35	32	NNW	8	6	NW	-	oc	-	6
*Oxo (Christiansund)	29.93	34	31	? WNW	2	4	SW	-	bc	-	3
Thurso ...	30.178	41	40	SW	4	6	WNW	7	mc	0.02	3
Wick ...	? 30.098	42	41	WSW	3	3	W	7	c	-	2
Nairn ...	30.168	42	40	W	1	3	WNW	6	c	0.03	1
Aberdeen ...	30.178	40	39	NW	1	2	NW	1	cb	-	1
Leith ...	30.248	41	39	SW	3	3	W	9	cm	-	-
Shields ...	-	42	41	NW	2	2	NW	3	c	-	2
Scarborough ...	30.238	42	41	WSW	1	2	W	6	oc	0.01	1
Yarmouth ...	30.278	42	42	WNW	1	3	SSE	6	c	-	2
Ardrossan ...	30.268	41	40	S	2	2	NW	8	r	0.04	2
Greencastle ...	30.238	47	47	SW	2	3	WNW	9	ro	0.04	-
Holyhead ...	30.308	47	46	W	2	2	SSW	9	mo	-	-
Liverpool ...	30.29	-	-	W	2	2	W	9	cm	0.03	2
Valencia ...	30.428	49	47	SVV	2	1	W	9	ro	-	2
Cape Clear ...	-	-	-	-	-	-	-	-	-	-	-
Roche's Point	30.398	47	45	Z	0	0	Z	8	mo	-	0
Pembroke ...	30.348	48	47	WNW	1	2	WNW	7	fc	-	1
Penzance ...	30.408	46	45	Z	0	3	NW	7	off	-	1
Plymouth ...	? 30.408	44	42	Z	0	3	SE	5	cm	-	0
Portsmouth ...	30.318	44	42	NW	1	1	ENE	9	co	-	1
London ...	30.308	46	45	W	1	2	W	9	bcz	0.04	-
Helder ...	30.20	38	-	NNW	2	-	-	-	-	-	2
Cape Gris Nez	30.278	46	46	W	1	3	VV	9	off	-	1
Brest ...	-	40	38	ENE	1	4	NNE	9	off	-	2
L'Orient ...	-	-	-	-	-	-	-	-	-	-	-
Rocheport ...	30.352	39	35	? S	4	5	? S	0	cb	-	3
Biarritz ...	30.352	46	42	E	1	4	N	2	f	-	3
Corunna ...	-	-	-	-	-	-	-	-	-	-	-
Brussels ...	-	-	-	-	-	-	-	-	-	-	-
Paris ...	-	-	-	-	-	-	-	-	-	-	-
Strasbourg ...	-	-	-	-	-	-	-	-	-	-	-
Lyons ...	-	-	-	-	-	-	-	-	-	-	-
Toulon ...	30.068	49	42	S	1	4	?	4	c	-	3
Heart's Content (9 a.m. local time.)	-	-	-	-	-	-	-	-	-	-	-

## 2 P.M. REPORT.

Skudesnaes ...	-	-	-	-	-	-	-	-	-	-	-
Nairn ...	-	-	-	-	-	-	-	-	-	-	-
Scarborough ...	-	-	-	-	-	-	-	-	-	-	-
Greencastle ...	-	-	-	-	-	-	-	-	-	-	-
Valencia ...	-	-	-	-	-	-	-	-	-	-	-
Penzance ...	-	-	-	-	-	-	-	-	-	-	-
London ...	-	-	-	-	-	-	-	-	-	-	-
Rocheport ...	-	-	-	-	-	-	-	-	-	-	-

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\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 p.m. on the previous day.

## REMARKS.

Monday

Yesterday morning pressure had decreased half an inch in Norway, and the fall just affected readings at our eastern and northern stations. To-day this Norwegian depression appears to have passed eastwards, but a slight further fall is manifest in our Islands especially on the south-east coast. Pressure is highest at the western stations, that at Valencia being 0.26 in. higher than at Nairn, and 0.49 in. higher than at Ozö.

Temperature has varied somewhat and is now lower in the north and higher in the south-east than on Saturday.

The wind freshened from NW at Leith yesterday, but has again fallen light. Light breezes now prevail except at Skudesnaes, and have backed to SW at our north-western stations.

A little rain has fallen, and the sky is cloudy and weather damps. The sea is calm except on the Norwegian coasts.

## 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.
MARCH												
19 <sup>th</sup>	Brunels	30.36	41	-	NE	3	-	-	-	o	-	-
	Paris	30.29	40	-	NNE	6	-	-	-	o	-	-
	Strasbourg	30.38	41	-	NE	3	-	-	-	o	-	-
	Lyon	30.10	47	-	NW	6	-	-	-	o	-	-
	Heart's Content	29.157	35	33	NE	1	7	ENE	7	stf	2.05	2
	<u>Corrections.</u>											
	Holyhead	-	-	-	SSW	-	-	-	-	-	-	-
	Fingance	-	-	-	-	-	5	-	-	co	-	-

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

## WEATHER REPORT.

1870. March 22<sup>nd</sup>

Tues. day

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Dist. (0 to 10)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.05	38	—	? SW	8	—	SSW	—	c	—	4
* Skudesnaes ...	29.47	39	—	WNW	6	4	S	—	oc	—	4
* Oxo (Christiansand)	29.32	36	36	SSW	4	4	SW	—	cf	—	3
Thurso ...	29.892	31	—	N	7	6	NNW	7	2 ps	0.39	6
Wick ...	29.862	32	—	NNW	6	4	W	6	2s	0.25	3
Nairn ...	29.942	32	—	NE	4	1	SSW	2	ob	0.03	2
Aberdeen ...	29.862	33	32	NNW	5	1	S	3	2hc	0.05	4
Leith ...	29.932	35	32	NNE	5	6	W	6	c	0.35	—
Shields ...	—	38	35	NE	5	3	WNW	7	2s	?	5
Scarborough ...	29.792	39	38	NNE	6	4	N	9	02	0.15	5
Yarmouth ...	29.842	46	46	WSW	3	3	SE	6	cm	0.15	3
Ardrossan ...	—	—	—	—	—	—	—	—	—	—	—
Greencastle ...	30.002	36	33	N	5	3	WSW	6	2c	0.45	—
Holyhead ...	29.872	45	45	SW	3	3	WSW	9	o	—	—
Liverpool ...	29.832	—	—	W	3	2	W	8	c2	0.07	2
Valencia ...	30.082	50	50	NW	5	3	WNW	9	om	0.01	4
Cape Clear ...	30.062	49	48	WNW	6	3	SSW	9	f	0.03	3
Roche's Point	30.012	49	46	W	4	4	W	9	co	—	2
Pembroke ...	29.972	46	45	W	6	5	WSW	9	02	0.03	3
Penzance ...	30.112	48	47	W	4	4	NW	9	co	—	3
Plymouth ...	30.092	48	47	W	3	3	NNW	9	co	—	2
Portsmouth ...	29.972	46	44	W	2	2	WSW	9	o	0.01	1
London ...	29.942	47	46	W	3	2	W	9	c62	0.07	—
Helder ...	29.78	41	—	SW	7	—	—	—	—	—	5
Cape Gris Nez	29.972	41	39	W	5	1	W	9	f2	0.04	4
Brest ...	—	46	44	NW	4	4	NW	9	f	—	4
L'Orient ...	30.232	44	44	WNW	4	4	W	9	cm	—	2
Rochefort ...	30.212	43	43	N	4	5	NW	0	6	—	3
Biarritz ...	30.122	46	44	? S	3	4	N	—	cf	—	3
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	30.032	46	44	SSW	1	3	S	4	c	—	2
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

## 2 P.M. REPORT.

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

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\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 p.m. on the previous day.

## REMARKS.

Tues-day

Since yesterday morning pressure has decreased rapidly in Norway, and the fall has extended though in a less degree to all our stations. The highest pressure is now in the west of France, and the reading at L'Orient is 0.45 in. higher than at Scarborough, and 1.18 in. higher than at Christiansund. In Scotland a recovery has commenced in the night.

Temperature has risen at the southern stations and in Norway but fallen several degrees on our north-east coasts.

The wind has freshened a little from W in the south of our Islands drawing gradually to SW in Holland and at Oax, but has veered to N and NE on our north-eastern coasts, and become fresh - with showers of snow and hail in Scotland.

The sky is overcast and the weather damp and unsettled generally.

The sea is rough on the north-east.

Warnings issued to the north and east coasts.

## 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.
MARCH												
21 <sup>st</sup>	Cape Clear	30.40f	48	48	WNW	1	1	NNW	9	fo	—	0
—	Rock's Pt	30.39f	47	45	Z	0	0	Z	8	mo	—	0
2	L'Orient	30.41f	37	37	ENE	4	1	ENE	2	f	—	2
—	Corunna	30.25	53	—	NE	3	—	—	—	b	—	2
—	Brussels	30.28	42	—	SW	3	—	—	—	c	—	—
—	Paris	30.31	46	—	WNW	2	—	—	—	o	—	—
—	Strasbourg	30.39	39	—	SW	3	—	—	—	o	—	—
—	Lyons	30.32	46	—	NE	3	—	—	—	b	—	—
—	Heart's Content	29.27r	35	35	NNE	4	5	NE	8	f to	0.64	5

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870. *March 23<sup>rd</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	29.54	32	—	NNE	8	6	NNE	—	o	—	6
* Skudesnaes ...	29.28	33	31	NNW	6	10	WNW	—	ocs	—	7
* Oxo (Christiansand)	29.10	32	—	N	6	8	SW	—	osc	—	4
Thurso ...	30.082	33	32	NNE	7	9	N	7	sc	0.10	7
Wick ...	30.002	33	32	N	6	7	NNW	7	s	0.12	5
Nairn ...	30.112	32	—	NNW	5	8	NNW	8	o	—	4
Aberdeen ...	29.962	32	—	NNW	6	8	NNW	3	sc	0.02	8
Leith ...	30.102	33	—	N	5	5	N	2	ra b	—	—
Shields ...	—	32	—	ENE	6	6	NE	2	c	—	8
Scarborough ...	29.975	32	—	N	7	7	N	7	hsc	—	6
Yarmouth ...	29.922	33	31	NW	4	5	NNE	4	sc	0.19	4
Ardrossan ...	30.162	35	35	NNW	4	6	N	4	c	—	3
Greencastle ...	30.252	38	33	N	3	5	N	9	o	—	—
Holyhead ...	30.172	36	32	NNE	7	6	NNE	9	o	0.18	—
Liverpool ...	30.132	—	—	N	4	4	NW	3	c	—	3
Valencia ...	30.342	39	36	ESE	2	6	NE	7	c	—	1
Cape Clear ...	30.292	45	44	NE	2	5	NE	6	c	—	1
Roche's Point	30.302	37	34	N	2	7	NNE	9	cgo	—	1
Pembroke ...	30.182	37	31	N	7	7	N	8	co	—	3
Penzance ...	30.202	39	35	N	5	6	NW	8	unpo	—	4
Plymouth ...	? 30.182	39	35	NNW	2	4	W	9	co	—	1
Portsmouth ...	30.072	34	32	NNE	3	4	W	1	oc	0.03	2
London ...	30.042	32	—	NNW	4	6	NNE	3	rsb	0.07	—
Helder ...	29.76	34	—	NW	7	—	—	—	—	—	5
Cape Gris Nez	29.992	30	—	NNW	5	7	W	9	ro	0.32	4
Brest ...	—	37	33	? N	4	4	? N	9	o	—	3
L'Orient ...	30.732	38	34	NE	5	5	WNW	6	c	—	3
Rochefort ...	30.011	42	42	NE	7	5	NW	9	o	—	4
Biarritz ...	30.041	50	45	WNW	5	4	? N	7	coo	—	3
Corunna ...	30.09	54	—	NE	9	—	—	—	b	—	4
Brussels ...	29.89	33	—	WNW	3	—	—	—	s	—	—
Paris ...	30.09	33	—	NNW	6	—	—	—	c	—	—
Strasbourg ...	29.98	33	—	N	3	—	—	—	s	—	—
Lyons ...	29.88	49	—	N	3	—	—	—	o	—	—
Toulon ...	29.761	48	43	WNW	5	5	WNW	1	cb	—	0
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

## 2 P.M. REPORT.

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

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## REMARKS.

Wednesday

The baric depression noticed on our coasts yesterday has passed on to the French stations, being succeeded in this country by a brisk recovery, especially over the Irish Channel. In the south of Norway, however, the decrease has continued. Readings are now highest at our western stations, the difference between those at Valencia and Helder being 0.59 in.; and 1.24 in. between Valencia and Oxö.

Temperature has fallen considerably over England, Ireland and all but southern France; the change being 15° at London and Brussels.

The wind increased to a gale from the N<sup>W</sup> on the Scotch coasts yesterday, and blew strongly on the east and west coasts of S<sup>t</sup> Britain from the same quarter, with squalls of snow and hail. This morning fresh to strong N<sup>E</sup> breezes are general except in Ireland (where they are light), changing to NE in the Bay of Biscay, and NW in the north east of France and Holland.

The sky has cleared considerably at the eastern stations, but is cloudy elsewhere. Bright aurora was seen at Thurso.

and Roches Pt last night. The sea continues high on the north-east coasts, moderate or calm elsewhere.

Our north and east coasts were warmed yesterday morning.

## 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.
MARCH												
22 <sup>nd</sup>	Androsan	29.89f	39	36	ENE	4	7	ENE	8	c	0.21	3
---	Corunna	30.19	54	—	NE	1	—	—	—	c	—	2
---	Brussels	29.93	48	—	S	3	—	—	—	r	—	—
---	Paris	30.08	43	—	WSW	1	—	—	—	c	—	—
---	Strasbourg	30.21	42	—	W	—	—	—	—	c	—	—
---	Lyons	30.16	48	—	N	3	—	—	—	c	—	—
---	Heart's Content	29.81+	37	35	NNW	1	4	NNE	4	c	—	3

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870. *March 24<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								—		—	
* Skudesnaes ...	29.91	34	—	NNE	2	6	NNE	—	c b	—	2
* Oxo (Christiansand)	29.85	31	—	NNE	8	8	NE	—	c o s	—	6
Thurso ...	30.082	38	34	NNE	5	7	N	7	c c	0.02	2
Wick ...	30.007	38	37	N	3	5	NNW	6	c s	—	3
Nairn ...	30.047	36	34	NNW	2	5	NNW	8	c h s	0.03	3
Aberdeen ...	29.987	36	35	NNW	3	8	NNW	9	s m o	0.01	5
Leith ...	30.027	35	32	WNW	3	4	N	6	c	—	—
Shields ...	—	38	37	NW	6	6	NE	2	c	—	8
Scarborough ...	29.917	36	35	N	3	8	N	9	c s o	0.08	4
Yarmouth ...	29.817	36	36	NW	3	6	NNW	6	s m	0.13	4
Ardrossan ...	30.077	33	33	NNW	1	6	N	2	c b	—	1
Greencastle ...	30.057	39	36	Z	0	4	N	9	c	—	—
Holyhead ...	30.087	38	35	NNE	4	7	NNE	9	c	—	—
Liverpool ...	30.037	—	—	N	3	3	N	3	c	—	2
Valencia ...	30.127	42	41	S	3	3	E	9	c r	0.03	2
Cape Clear ...	30.107	42	41	SW	3	2	NNE	7	c	—	2
Roche's Point	30.117	40	39	W	2	4	N	9	c o	—	1
Pembroke ...	30.087	39	34	NW	4	7	N	9	c	—	1
Penzance ...	30.137	40	37	NW	3	6	NNW	9	c	—	3
Plymouth ...	30.127	41	37	WNW	2	4	NNW	7	c	—	1
Portsmouth ...	30.007	35	32	N	3	5	NNE	2	c	—	2
London ...	29.967	34	30	NNW	4	4	N	5	b m c	—	—
Helder ...	29.62	33	—	NNW	5	—	—	—	—	—	2
Cape Gris Nez	29.927	36	36	NW	7	5	N	?	c o	—	5
Brest ...											
L'Orient ...	30.16	38	34	—	—	—	—	8	c	—	2
Roche fort ...	30.152	36	36	ENE	4	7	ENE	3	c	—	3
Biarritz ...	30.312	37	35	SE	1	7	? N	9	c o	0.12	5
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...	29.497	30	—	SE	—	9	WNW	0	b	—	7
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

Skudesnaes ...						—	—	—		—	
Nairn ...						—	—	—		—	
Scarborough ...						—	—	—		—	
Greencastle ...						—	—	—		—	
Valencia ..						—	—	—		—	
Penzance ...						—	—	—		—	
London ...						—	—	—		—	
Roche fort ...						—	—	—		—	

**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** exposed in shade. **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.

\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 p.m. on the previous day.

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EIGHT A.M.

WEATHER REPORT. 1870. *March 25<sup>th</sup>**Fri-day*

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches).	Sea Dist. (0 to 10)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
*Christiansund	30.20	34	—	ESE	2	0	Z	—	b	—	4
*Skudesnaes ...	30.15	33	—	ENE	4	4	ESE	—	b	—	2
*Oxo (Christiansand)	—	30	—	NE	8	8	NE	—	os	—	—
Thurso ...	30.062	34	33	ESE	4	3	NNE	7	c	—	1
Wick ...	30.022	39	38	ESE	5	3	NNE	2	cm	0.04	4
Nairn ...	30.022	32	—	E	2	1	NNW	4	bcm	—	3
Aberdeen ...	30.012	39	38	E	3	1	NE	5	bc	0.02	6
Leith ...	29.908	38	36	NE	4	3	E	6	bc	—	—
Shields ...	—	38	36	ENE	4	4	NE	5	sc	?	7
Scarborough ...	29.838	37	35	NE	3	5	N	7	c	0.03	4
Yarmouth ...	29.788	34	33	WNW	1	6	NNW	5	sm	0.08	2
Ardrossan ...	29.958	35	33	E	4	1	SW	3	c	—	3
Greencastle ...	29.922	38	35	ESE	2	2	S	3	oc	—	—
Holyhead ...	29.848	36	34	ESE	5	4	NNW	7	oc	—	—
Liverpool ...	29.848	—	—	NE	2	3	N	—	ef	—	1
Valencia ...	29.788	49	47	NNW	3	4	WNW	6	fc	—	2
Cape Clear ...	29.738	45	44	NW	1	5	NW	4	c	0.10	1
Roche's Point	29.748	42	42	ESE	5	6	SW	9	mr	0.32	4
Pembroke ...	29.748	35	34	E	4	5	SE	9	rf	0.87	3
Penzance ...	29.708	47	46	NW	3	4	NW	9	r	0.39	2
Plymouth ...	29.718	37	36	E	4	4	NW	9	ors	0.41	2
Portsmouth ...	29.768	36	34	4	1	3	NNW	6	c	—	1
London ...	29.818	34	33	NE	2	4	WNW	7	hdc	0.02	—
Helder ...	29.76	34	—	W	5	—	—	—	—	—	2
Cape Gris Nez	29.828	34	—	Z	0	7	NNW	7	c	—	1
Brest ...	—	47	47	WNW	3	5	WNW	9	m	0.20	3
L'Orient ...	29.778	45	45	WSW	5	5	NW	9	or	0.08	4
Rochefort ...	29.918	43	41	?SSW	4	5	NW	9	o	—	3
Biarritz ...	29.978	38	36	S	3	5	?N	3	fc	—	4
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	29.612	32	—	WNW	8	9	WNW	0	b	—	5
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

## 2 P.M. REPORT.

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

**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** exposed in shade. **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.

\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 p.m. on the previous day.

# REMARKS.

Fri. day

Barometrical pressure has continued to decrease briskly at most stations, especially in the south-west, but has increased slightly in the north-east during the night. In Norway readings are considerably higher than they were yesterday. The centre of depression seems to be at the entrance of the Channel, and the reading at Penzance is less by about 0.36 in. than that at Thurso.

Temperature has risen in the west of France, Ireland, and the south of Scotland, but fallen elsewhere. Valencia is 17° warmer than Nain, and Penzance 10° warmer than Plymouth.

The winds are all moderate, but NE<sup>ly</sup> and E<sup>ly</sup> to the north of the area of low pressure, and S<sup>ly</sup> and W<sup>ly</sup> to the south of it.

Hail and snow showers are reported from some stations, and lightning in London. The sky is cloudy especially in the south.

The sea is moderate or calm.

Drums lowered again in Ireland last evening.

## 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.
MARCH												
24 <sup>th</sup>	Corunna	30.03	52	—	NE	9	—	—	—	b	—	4
—	Brussels	29.79	34	—	SW	3	—	—	—	sa	—	—
—	Paris	29.97	34	—	WNW	2	—	—	—	a	—	—
—	Strasbourg	30.11	35	—	NW	3	—	—	—	a	—	—
—	Lyons	30.00	41	—	N	3	—	—	—	a	—	—
—	Heart's Content	29.59+	35	35	SW	2	2	SW	6	csf	0.13	3
—	Correction.											
—	L'Orient.	—	—	—	N	3	5	9/11	—	—	—	—

Meteorological Office,  
 ROBERT H. SCOTT,  
 DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870. 26<sup>th</sup> March.

Sat. 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	30.26	32	-	E	4	0	Z	-	b	-	3
*Skudesnaes ...	30.24	33	-	NE	2	2	E	-	ob	-	3
*Oxo (Christiansand)	30.23	28	-	NNW	8	8	NNE	-	o	-	5
Thurso ...	30.242	33	-	SSE	4	5	E	7	sc	?	1
Wick ...	30.162	30	37	ESE	5	6	ESE	8	co	0.06	5
Nairn ...	30.132	31	-	Z	0	2	E	5	oc	0.03	2
Aberdeen ...	30.142	35	34	E	3	1	ESE	7	hs	0.09	7
Leith ...	30.092	36	35	NE	5	5	E	6	bsh	0.11	-
Shields ...	-	36	35	NE	4	4	ENE	7	s	?	6
Scarborough ...	29.952	37	36	ENE	3	4	ENE	7	she	0.07	4
Yarmouth ...	29.852	37	37	ENE	5	5	WSW	6	sc	0.22	4
Ardrossan ...	30.112	36	34	NNE	2	5	ENE	6	c	-	1
Greencastle ...	30.102	38	37	E	2	3	E	5	c	-	-
Holyhead ...	30.002	37	35	NNE	5	5	ENE	5	c	-	-
Liverpool ...	29.962	-	-	E	2	2	NE	0	cb	-	1
Valencia ...	30.032	40	38	SSE	2	3	ENE	9	co	-	2
Cape Clear ...	30.002	37	36	NE	3	4	NE	3	ob	0.08	1
Roche's Point	30.022	36	33	N	1	5	ESE	3	ob	0.15	1
Pembroke ...	29.942	37	34	N	4	4	NNE	4	c	-	2
Penzance ...	29.962	39	36	N	4	5	ESE	6	rhc	0.02	3
Plymouth ...	? 29.932	38	35	-	2	4	NE	0	cb	-	1
Portsmouth ...	29.812	35	32	N	2	2	ESE	8	co	0.01	1
London ...	29.802	34	33	NNE	3	4	NNE	9	bos	-	-
Helder ...	29.88	32	-	E	6	-	-	-	-	-	2
Cape Gris Nez	29.737	34	-	N	4	3	NE	3	cb	-	3
Brest ...	-	-	-	-	-	-	-	-	-	-	-
L'Orient ...	29.902	36	34	N	3	5	NNE	0	cb	0.08	2
Rochefort ...	29.802	37	37	N	5	7	W	4	re	0.32	3
Biarritz ...	29.807	48	44	NW	3	7	W	8	r	0.20	4
Corunna ...	-	-	-	-	-	-	-	-	-	-	-
Brussels ...	-	-	-	-	-	-	-	-	-	-	-
Paris ...	-	-	-	-	-	-	-	-	-	-	-
Strasbourg ...	-	-	-	-	-	-	-	-	-	-	-
Lyons ...	-	-	-	-	-	-	-	-	-	-	-
Toulon ...	29.652	42	37	NNW	3	7	WSW	5	e	-	3
Heart's Content (9 a.m. local time.)	-	-	-	-	-	-	-	-	-	-	-

## 2 P.M. REPORT.

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

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\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 p.m. on the previous day.

# REMARKS.

Saturday

The depression which was at the entrance of the Channel yesterday is now over Belgium and readings in our Islands and the west of France have recovered. The highest reported from our coasts is at Thurso, and exceeds by 0.51 in. that at Cape Gris Nez.

Temperature has fallen again at the south-western stations, and is uniformly rather low.

The winds continue moderate. They are NE<sup>4</sup> on our east coasts, and draw round gradually to N at our western stations and the Bay of Biscay, and NW in the south of France.

Bright aurora is reported from Roche's Point and Thurso. Snow has fallen at the eastern stations, and continues in London. The sky is less cloudy elsewhere. The sea is still rough on the east coast, 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
MARCH												
25 <sup>TH</sup>	Corunna	30.00	53	—	NE	9	—	—	—	c	—	—
—	Brussels	29.81	38	—	SW	3	—	—	—	rsc	—	—
—	Strasbourg	30.02	35	—	N	1	—	—	—	c	—	—
—	Lyon	29.94	40	—	N	3	—	—	—	b	—	—
—	Hautecombe	29.627	36	35	W	1	2	SW	4	c	0.06	2

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

## WEATHER REPORT. 1870.

Sunday

March 27<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	30.48	33	30	ESE	2	-	-	-	b	-	2
* Skudesnaes ...	30.49	35	33	NNW	2	2	ENE	-	b	-	2
* Oxo (Christiansand)	30.41	31	-	NNE	6	6	ENE	-	hc	-	3
Thurso ...	30.327	35	33	S	4	5	E	0	ob	0.02	1
Wick ...	30.327	40	39	SSE	5	4	ESE	8	o	-	5
Nairn ...	30.327	37	34	S	1	1	E	1	cob	-	1
Aberdeen ...	30.397	35	34	SSE	2	1	E	7	sph	0.06	5
Leith ...	30.397	38	33	N	2	4	NE	2	b	0.06	-
Shields ...	-	38	36	NE	2	2	SE	2	c	0.02	5
Scarborough ...	30.377	38	35	E	3	3	ENE	9	cb o	-	4
Yarmouth ...	30.337	36	36	NE	3	6	NE	5	c	-	4
Ardrossan ...	30.367	34	32	E	3	4	E	4	c	-	2
Greencastle ...	30.287	41	38	SSW	3	2	E	3	c	-	-
Holyhead ...	30.357	38	36	SSE	2	4	NNE	3	c	-	-
Liverpool ...	30.407	-	-	Z	0	1	E	3	c	-	0
Valencia ...	30.257	44	43	S	5	5	SSE	8	rm	0.17	4
Cape Clear ...	-	-	-	-	-	-	-	-	-	-	-
Roche's Point	30.307	45	42	SE	2	2	E	9	o	-	2
Pembroke ...	30.347	38	35	SE	3	3	NNE	1	cm	-	2
Penzance ...	30.387	40	37	Z	0	6	NNW	2	b	-	2
Plymouth ...	30.377	37	34	Z.	0	5	NNW	0	cb	-	3
Portsmouth ...	30.317	34	32	ENE	2	4	ENE	6	c	0.02	1
London ...	30.307	38	36	NE	4	6	N	9	sto	0.18	-
Helder ...	-	-	-	-	-	-	-	-	-	-	-
Cape Gris Nez	30.217	36	34	E	5	7	NE	9	mo	0.03	3
Brest ...	-	35	31	NW	4	5	NNE	2	cb	-	3
L'Orient ...	30.237	39	37	NNE	5	7	NNE	6	c	-	3
Rochefort ...	30.127	32	-	NE	5	7	N	0	rb	0.02	3
Biarritz ...	30.037	35	35	E	3	7	N	9	rs	0.05	5
Corunna ...	30.22	52	-	NE	9	-	-	-	o	-	2
Brussels ...	30.17	38	-	NE	4	-	-	-	o	-	-
Paris ...	-	-	-	-	-	-	-	-	-	-	-
Strasbourg ...	30.16	38	-	NE	3	-	-	-	o	-	-
Lyons ...	29.98	41	-	NW	3	-	-	-	o	-	3
Toulon ...	29.727	45	40	NE	4	3	SW	6	cf	-	2
Heart's Content (9 a.m. local time.)	30.447	24	-	NE	1	4	NE	2	ob	0.01	-

## 2 P.M. REPORT.

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

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\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 p.m. on the previous day.

the

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

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

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*Meteorological Office,*  
ROBERT H. SCOTT,  
DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870. March 28<sup>th</sup>

Mon. 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	30.42	33	—	ESE	2	0	Z	—	b	—	2
* Skudesnaes ...	30.49	34	—	ENE	2	0	Z	—	c	—	2
* Oxo (Christiansand)	30.45	31	—	? NNE	4	4	N	—	bc	—	2
Thurso ...	30.352	41	39	SSW	2	6	S	3	mc	—	1
Wick ...	30.352	44	43	SSW	2	6	SSE	7	oe	—	2
Nairn ...	30.382	44	42	W	1	1	S	5	bc	—	1
Aberdeen ...	30.415	39	38	SSW	1	3	SSE	8	bl	—	3
Leith ...	30.462	40	37	NW	2	2	N	6	bm	—	—
Shields ...	—	—	—	—	—	—	—	—	—	—	—
Scarborough ...	30.492	36	34	SVV	1	3	ENE	9	co	—	2
Yarmouth ...	30.482	36	36	NE	3	4	E	6	e	—	3
Ardrossan ...	30.462	42	40	S	3	4	SSE	8	co	—	3
Greencastle ...	30.422	45	45	W	1	3	SSW	8	ro	0.13	—
Holyhead ...	30.482	36	34	SSW	1	2	SSW	7	cm	—	—
Liverpool ...	30.48	—	—	E	1	1	E	0	cb	—	1
Valencia ...	30.452	49	48	SSW	2	5	S	8	cf	0.01	1
Cape Clear ...	—	—	—	—	—	—	—	—	—	—	—
Roche's Point	30.442	46	46	SE	1	3	SW	9	ofw	0.07	1
Pembroke ...	30.452	39	37	E	2	3	SE	3	m	—	2
Penzance ...	30.462	40	38	NNW	2	3	SE	0	b	—	3
Plymouth ...	30.452	41	37	NE	2	2	NE	1	cb	—	1
Portsmouth ...	30.432	36	34	ENE	3	3	NE	9	co	—	2
London ...	30.452	35	33	ENE	3	4	NE	9	o	—	—
Helder ...	30.42	34	—	NE	3	—	—	—	—	—	2
Cape Gris Nez	30.392	34	—	ENE	5	5	ENE	9	o	—	3
Brest ...	—	39	37	NE	3	4	NNE	1	b	—	2
L'Orient ...	—	—	—	—	—	—	—	—	—	—	—
Roche fort ...	30.252	36	36	? N	5	5	? N	9	o	—	3
Biarritz ...	30.198	40	38	SE	3	8	N	9	o	—	4
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	29.828	47	38	NNW	4	5	ENE	7	o	—	4
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

## 2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Nairn ...	—	—	—	—	—	—	—	—	—	—	—
Scarborough ...	—	—	—	—	—	—	—	—	—	—	—
Greencastle ...	—	—	—	—	—	—	—	—	—	—	—
Valencia ..	—	—	—	—	—	—	—	—	—	—	—
Penzance ...	—	—	—	—	—	—	—	—	—	—	—
London ...	—	—	—	—	—	—	—	—	—	—	—
Roche fort ...	—	—	—	—	—	—	—	—	—	—	—

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\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 p.m. on the previous day.

# REMARKS.

Mon day

Since Saturday atmospherical pressure has continued to increase on all coasts and has become high and uniform, though rather lower in the extreme south than elsewhere. The reading at Harbore is 0.30 in. higher than that at Biarritz, and 0.14 in. higher than at Tunes. The rise has now slackened everywhere.

Temperatures was barely changed yesterday, but to-day the weather is somewhat warmer at most stations.

The wind continues light. It is NE<sup>4</sup> in the south, and SW<sup>4</sup> in the north.

Some rain and snow were reported on Sunday. The sky is now clear in the south-west of our Islands, cloudy or overcast elsewhere. 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.
MARCH									
26 <sup>TH</sup>	Brest	-	36	-	NE	3	4	NE	3
	Corunna	29.96	54	-	NE	6	-	-	-
	Brussels	29.92	43	-	SW	3	-	-	-
	Paris	29.69	34	-	NNW	6	-	-	-
	Strasbourg	29.87	33	-	NE	3	-	-	-
	Lyon	29.71	44	-	SE	3	-	-	-
	Heart's Content	29.97+	31	-	NE	5	5	NE	3

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870. March 29<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	30.44	37	-	ESE	2	0	Z	-	c	-	3
* Skudesnaes ...	30.52	34	-	Z	0	0	Z	-	b	-	2
* Oxo (Christiansund)	30.46	33	-	NNW	4	-	NNW	-	b	-	1
Thurso ...	30.395	41	40	S	2	2	ENE	7	c	-	1
Wick ...	30.367	43	42	SSE	3	2	SSE	7	c	-	2
Nairn ...	30.415	43	41	?	1	1	W	6	bc	-	0
Aberdeen ...	30.489	41	40	S	2	1	SSE	8	bo	-	1
Leith ...	30.472	36	35	NNW	1	3	W	1	cm	-	-
Shields ...	-	39	37	SSE	2	2	S	5	cm	-	2
Scarborough ...	30.512	36	34	E	1	3	SE	9	co	-	2
Yarmouth ...	30.447	37	36	NNE	3	3	NE	6	c	-	3
Ardrossan ...	30.472	46	44	SSE	1	1	W	6	cm	-	1
Greencastle ...	30.442	47	47	Z	0	1	W	9	rf	-	-
Holyhead ...	30.467	41	40	WSW	1	2	SSW	7	cm	-	-
Liverpool ...	30.457	-	-	E	1	1	E	2	cf	-	1
Valencia ...	30.477	48	47	WNW	2	3	WNW	7	ff	-	1
Cape Clear ...	30.427	49	47	E	1	1	SE	8	ffo	-	0
Roche's Point	30.427	47	45	N	1	2	SSW	9	ffo	0.03	1
Pembroke ...	30.397	41	40	E	1	3	NW	8	mff	0.03	1
Penzance ...	30.427	43	41	Z	0	4	SE	9	bo	-	0
Plymouth ...	30.437	39	36	Z	0	3	S	5	bc	-	1
Portsmouth ...	30.407	35	33	ENE	2	3	ENE	9	o	-	1
London ...	30.437	35	33	ENE	3	4	NE	9	o	-	-
Helder ...	30.377	36	-	NNE	4	-	-	-	-	-	2
Cape Gris Nez	30.367	35	33	NE	4	5	ENE	9	o	-	3
Brest ...	-	38	34	NE	4	5	NE	9	cf	-	3
L'Orient ...	30.385	37	35	ENE	5	7	ENE	9	co	-	3
Rocheport ...	30.257	35	35	?N	5	7	?N	9	o	-	3
Biarritz ...	30.217	36	-	-	3	4	-	9	mo	-	4
Corunna ...	-	-	-	-	-	-	-	-	-	-	-
Brussels ...	-	-	-	-	-	-	-	-	-	-	-
Paris ...	-	-	-	-	-	-	-	-	-	-	-
Strasbourg ...	-	-	-	-	-	-	-	-	-	-	-
Lyons ...	-	-	-	-	-	-	-	-	-	-	-
Toulon ...	29.777	45	41	NNW	1	4	WNW	7	bo	-	3
Heart's Content (9 a.m. local time.)	-	-	-	-	-	-	-	-	-	-	-

## 2 P.M. REPORT.

Skudesnaes ...	-	-	-	-	-	-	-	-	-	-	-
Nairn ...	-	-	-	-	-	-	-	-	-	-	-
Scarborough ...	-	-	-	-	-	-	-	-	-	-	-
Greencastle ...	-	-	-	-	-	-	-	-	-	-	-
Valencia ..	-	-	-	-	-	-	-	-	-	-	-
Penzance ...	-	-	-	-	-	-	-	-	-	-	-
London ...	-	-	-	-	-	-	-	-	-	-	-
Rocheport ...	-	-	-	-	-	-	-	-	-	-	-

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# REMARKS.

Tuesday

The distribution of atmospherical pressure is almost identical with that of yesterday, and the reading at Scarborough is 0.30 in. higher than that at Biarritz.

Temperature also is scarcely altered — being lowest on the east coast.

Winds continue light and variable in our Islands, and generally moderate from NE in France. In Scotland light S<sup>W</sup> breezes are again reported.

Aurora is reported from Scotland. The sky is cloudy generally, with much fog in the west. 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.	S.
MARCH												
28 <sup>TH</sup>	Shields	—	40	37	SW	3	2	SE	3	cm	—	3
—	Cape Clear	30.40 n	44	43	NE	1	2	SSE	6	fc	0.14	0
—	L'Orient	30.38 n	37	35	NNE	5	5	NE	5	c	—	3
—	Corunna	30.32	51	—	NE	9	—	—	—	b	—	2
—	Brunels	30.36	37	—	NE	3	—	—	—	c	—	—
—	Paris	30.29	33	—	NE	6	—	—	—	c	—	—
—	Strasbourg	30.32	37	—	NE	6	—	—	—	c	—	—
—	Lyon	30.08	39	—	N	3	—	—	—	c	—	—
—	Heart's Content	30.59 t	30	—	SSE	1	1	NE	1	b	—	1

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870. *March 30<sup>th</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	30.12	42	36	SSE	4	4	WNW	—	c	—	4
*Skudesnaes ...	30.36	36	33	ENE	2	0	Z	—	b	—	1
*Oxo (Christiansand)	30.36	33	—	N	4	2	NNE	—	b	—	1
Thurso ...	30.22	44	43	NW	4	4	S	7	mz	0.14	1
Wick ...	30.16	46	45	NW	3	3	SSE	8	o	0.12	2
Nairn ...	30.19	47	46	WSW	1	1	NNE	9	buz	0.02	1
Aberdeen ...	30.25	41	40	SSW	1	3	S	8	co	—	1
Leith ...	30.29	45	42	WNW	3	2	N	6	bm	—	—
Shields ...	—	39	37	SW	2	2	S	2	cm	—	2
Scarborough ...	30.37	35	34	W	1	2	E	3	c	—	2
Yarmouth ...	30.32	39	30	N	3	4	NNE	4	c	—	3
Ardrossan ...	30.33	43	41	SW	2	1	SE	8	co	0.03	2
Greencastle ...	30.30	49	48	WSW	1	1	NNE	9	zo	0.04	—
Holyhead ...	30.37	42	40	SSW	1	2	NNE	8	cm	—	—
Liverpool ...	30.38	—	—	SE	3	2	E	6	c	—	1
Valencia ...	30.38	40	47	NNW	1	2	NW	6	c	—	1
Cape Clear ...	30.33	49	48	NE	1	1	SE	7	fc	—	0
Roche's Point	30.34	47	46	NE	1	2	SE	9	mo	0.04	0
Pembroke ...	30.35	37	36	ESE	1	2	SSE	3	fm	—	0
Penzance ...	30.36	40	37	N	2	3	SE	0	fb	—	1
Plymouth ...	30.36	37	33	NNE	2	4	SE	5	c	—	1
Portsmouth ...	30.29	37	35	NE	3	2	ENE	5	oc	—	2
London ...	30.32	37	35	NNE	2	3	NE	5	obc	—	—
Helder ...	30.20	37	—	ENE	6	—	—	—	—	—	2
Cape Gris Nez	30.22	37	37	NNE	5	7	NE	9	oz	—	4
Brest ...	—	39	37	NNE	3	5	NE	4	m	—	3
L'Orient ...	30.27	37	35	ENE	5	7	NE	4	oc	—	3
Rochefort ...	30.15	37	37	N	7	7	N	9	o	—	4
Biarritz ...	30.09	36	34	E	3	5	E	8	so	0.04	5
Corunna ...	30.20	49	—	NE	6	—	—	—	c	—	2
Brussels ...	30.17	39	—	NE	3	—	—	—	c	—	—
Paris ...	30.13	35	—	N	7	—	—	—	o	—	—
Strasbourg ...	30.14	37	—	N	—	—	—	—	o	—	—
Lyons ...	29.92	39	—	N	6	—	—	—	o	—	—
Toulon ...	29.71	40	36	W	3	4	W	1	zb	0.43	4
Heart's Content (9 a.m. local time.)											

## 2 P.M. REPORT.

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

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# REMARKS.

Wednesday

Barometrical readings have decreased everywhere but rather irregularly since yesterday, chiefly at Christiansund and in the north-east of our Islands - Readings are, however, still rather high, and, on the whole, uniform.

Temperature differs little from that of yesterday, except a slight increase at the northern stations; and in Scotland and Ireland the weather is from 10° to 14° warmer than in the east of England.

Winds continue light and very variable on the coasts of the British Islands, and moderate from the NE<sup>W</sup> in France.

The fogs in the west have disappeared; but the sky is very cloudy at our more 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.
MARCH												
30 <sup>TH</sup>	Corunna	30.28	50	-	NE	9	-	-	-	c	-	4
-	Brussels	29.91	37	-	NE	3	-	-	-	c	-	-
4	Paris	30.26	34	-	N	7	-	-	-	c	-	-
-	Strasbourg	30.27	36	-	NE	3	-	-	-	c	-	-
-	Lyons	29.98	38	-	N	6	-	-	-	c	-	-
-	Hearts Content	30.52f	36	34	SEW	1	1	3	2	b	-	1

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870. *March 31<sup>st</sup>**Thurs. day*

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 5)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	30.18	37	36	Z	0	4	WNW	—	c	—	5
* Skudesnaes ...	30.21	36	35	ESE	4	4	ESE	—	o	—	3
* Oxo (Christiansand)	30.19	35	33	SW	4	2	SW	—	c	—	1
Thurso ...	30.18 <sup>f</sup>	40	39	S	2	4	NW	3	bc	0.06	0
Wick ...	30.17 <sup>f</sup>	43	42	SSE	2	2	NW	7	c	0.04	2
Nairn ...	30.18 <sup>f</sup>	43	42	WSW	1	1	ESE	8	o	0.19	1
Aberdeen ...	30.22 <sup>f</sup>	44	43	NNE	1	—	—	5	c	0.11	1
Leith ...	30.23 <sup>f</sup>	41	41	NE	1	3	W	0	cm	0.07	—
Shields ...	—	40	40	SW	1	2	SW	8	r	?	2
Scarborough ...	30.28 <sup>f</sup>	38	37	SW	3	3	SE	9	bo	—	2
Yarmouth ...	30.33 <sup>f</sup>	37	35	NNE	2	3	N	6	c	—	2
Ardrossan ...	30.25 <sup>f</sup>	45	44	S	2	2	WSW	8	mr	0.05	3
Greencastle ...	30.24 <sup>f</sup>	49	48	WSW	1	1	E	9	ro	0.19	—
Holyhead ...	30.29 <sup>f</sup>	43	42	SSW	2	1	SSW	7	c	—	—
Liverpool ...	30.29 <sup>f</sup>	—	—	SSE	2	2	SE	2	cf	—	1
Valencia ...	30.31 <sup>f</sup>	46	45	NW	1	3	NNW	2	cb	—	2
Cape Clear ...	30.29 <sup>f</sup>	49	48	W	1	1	NE	7	c	—	0
Roche's Point	30.28 <sup>f</sup>	48	47	Z	0	1	NE	9	o	0.04	0
Pembroke ...	30.28 <sup>f</sup>	44	42	Z	0	2	WNW	6	m	—	0
Penzance ...	30.31 <sup>f</sup>	40	39	Z	0	3	NE	0	b	—	0
Plymouth ...	30.28 <sup>f</sup>	37	36	NW	2	3	S	3	b	—	1
Portsmouth ...	30.30 <sup>f</sup>	35	34	E	2	3	NE	3	c	—	1
London ...	30.32 <sup>f</sup>	35	32	NE	1	3	NE	9	obf	—	—
Helder ...	30.28	36	—	N	3	—	—	—	—	—	2
Cape Gris Nez	30.26 <sup>f</sup>	35	35	NNE	4	5	NNE	9	o	0.04	3
Brest ...	—	35	33	E	3	4	NNE	1	b	—	2
L'Orient ...	30.27 <sup>f</sup>	36	34	?ENE	5	5	?ENE	9	co	—	3
Rochefort ...	30.15 <sup>f</sup>	37	37	NE	5	7	NE	9	co	—	3
Biarritz ...	30.13 <sup>f</sup>	37	35	SE	3	5	ENE	3	bf	0.04	5
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	29.73 <sup>f</sup>	42	37	NNW	5	3	—	2	cb	—	4
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

## 2 P.M. REPORT.

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

**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** exposed in shade. **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**: u.—dead calm; 9.—extremely high sea.

\* Rainfall is not reported from the Norwegian stations; and their "extremes" are the observations made at 8 p.m. on the previous day.

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