

EIGHT A.M.

WEATHER REPORT 1870.

November 1st

Tuesday

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	30.26	40	39	W	23	—	—	—	c	—	—
*Skudesnaes ...	30.30	36	34	NE	2	4	ENE	—	ob	—	1
*Oxo (Christiansand)	30.20	39	36	ENE	4	6	NNE	—	ob	—	3
Thurso ...	30.38r	35	34	S	1	5	N	6	pc	0.08	2
Wick ...	30.39r	36	35	NNW	2	4	NW	7	c	0.02	3
Nairn ...	30.40r	41	40	SSW	1	2	W	6	c	0.03	1
Aberdeen ...	30.43r	42	41	NNW	1	4	N	4	cm	—	2
Leith ...	30.39r	45	43	WNW	2	5	N	5	bf	—	—
Shields ...	30.39r	45	44	NNW	2	4	N	1	b	—	2
Scarborough ...	30.37r	49	47	N	3	4	N	1	cb	0.01	4
Yarmouth ...	30.26r	49	48	N	6	7	NW	4	rc	0.43	6
Ardrossan ...	30.44r	39	38	ENE	2	6	NW	3	c	—	1
Greencastle ...	30.41r	40	40	W	1	3	N	3	c	—	—
Holyhead ...	30.39r	45	44	ESE	4	6	NNW	5	c	—	—
Liverpool ...	30.39r	49	46	NNE	1	3	W	3	cf	0.04	1
Valencia ...	30.39r	47	44	ESE	3	5	NNW	2	fb	0.04	3
Crookhaven ...	30.40r	47	45	E	3	0	Z	0	ob	—	1
Roche's Point	30.42r	42	40	NNE	1	6	NNW	2	cb	—	2
Pembroke ...	30.37r	47	46	NE	2	4	N	3	c	0.02	2
Penzance ...	30.43r	43	46	NE	3	6	NW	1	cb	—	2
Plymouth ...	30.38r	43	42	Z	0	2	WNW	1	of	—	0
Portsmouth ...	30.36r	—	—	N	2	7	WNW	4	oc	0.01	1
Dover ...	30.23r	47	46	NE	5	5	N	0	ob	0.11	4
London ...	30.32r	45	44	N	2	4	W	2	rcb	0.13	—
Helder ...	30.05	50	—	NNE	7	—	—	—	—	—	5
Cape Gris Nez	30.21r	50	48	N	7	7	WSW	8	mo	0.20	5
Brest ...	30.28r	45	43	N	3	5	NW	0	ob	—	4
L'Orient ...	—	—	—	—	—	—	—	—	—	—	—
Rochefort ...	30.26r	50	48	N	5	7	—	0	ob	—	3
Biarritz ...	—	—	—	—	—	—	—	—	—	—	—
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	—	—	—	—	—	—	—	—	—	—	—
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

2 P.M. REPORT.

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

EXPLANATION OF THE COLUMNS.

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

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

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

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EIGHT A.M.

WEATHER REPORT. 1870.

November 2nd

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	30.37	40	39	ESE	—	—	—	—	—	—	—
* Skudesnaes ...	30.49	43	40	ESE	4	0	Z	—	bc	—	2
* Oxo (Christiansand)	30.48	35	33	NNW	4	4	NW	—	bc	—	—
Thurso ...	30.24 ^f	43	41	S	1	2	S	8	mo	—	1
Wick ...	30.24 ^f	48	47	S	3	3	SSE	7	c	—	3
Nairn ...	30.30 ^f	47	43	W	2	1	SSW	5	bc	—	1
Aberdeen ...	30.36 ^f	42	41	SW	2	2	SW	4	bc	—	1
Leith ...	30.45 ^f	42	41	S	2	2	ENE	2	bf	—	—
Shields ...	30.49 ^f	37	36	SW	2	4	N	8	m	—	4
Scarborough ...	30.52 ^r	41	41	WSW.	1	3	N	1	b	—	2
Yarmouth ...	30.54 ^r	48	47	NNE	3	4	NNE	0	cb	—	4
Ardrossan ...	30.43 ^f	51	49	SSW	3	1	E	7	bc	—	3
Greencastle ...	30.37 ^f	45	44	SW	2	3	SW	6	c	—	—
Holyhead ...	30.46 ^f	47	45	SSE	4	4	SSW	3	b	—	—
Liverpool ...	30.51 ^r	43	41	SE	1	1	E	2	cm	—	1
Valencia ...	30.39 ^f	53	50	S	4	5	SSE	6	c	—	3
Crookhaven ...	30.40 ^s	52	50	SSE	5	4	SSE	9	bo	—	2
Roche's Point	30.42 ^f	50	48	S	4	4	S	9	o	—	3
Pembroke ...	30.47 ^r	49	45	SSE	2	2	E	5	c	—	1
Penzance ...	30.51 ^s	50	47	SE	4	4	SSE	6	bc	—	3
Plymouth ...	30.50 ^r	43	42	SE	1	1	ESE	8	bf	—	0
Portsmouth ...	30.53 ^r	—	—	E	2	3	NE	3	c	—	1
Dover ...	30.49 ^r	49	46	NE	1	5	N	6	b m	0.02	2
London ...	30.53 ^r	35	34	Z	0	4	N	9	cbf	—	—
Helder ...	30.50	47	—	NE	2	—	—	—	—	—	2
Cape Gris Nez	30.48 ^r	44	40	E	3	5	NE	7	o	—	2
Brest ...	30.45 ^r	46	42	ENE	4	3	NNE	5	bc	—	3
L'Orient ...	30.45 ^f	45	43	—	4	4	N	4	bc	—	2
Rochefort ...	30.35	44	42	N	5	5	N	0	b	—	3
Biarritz ...	—	—	—	—	—	—	—	—	—	—	—
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	—	—	—	—	—	—	—	—	—	—	—
Heart's Content (9 a.m. local time.)	29.70 ²	4.0	3.7	WNW	5	6	SSW	9	o r	0.36	4

2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Thurso ...	30.20	52	49	SSW	1	—	—	8	o	—	1
Scarborough ...	30.52	46	44	SW	3	—	—	2	b	—	2
Greencastle ...	30.36	50	48	SW	1	—	—	7	o c	—	—
Valencia ..	30.41	55	51	S	5	—	—	7	c	—	4
Penzance ...	—	—	—	—	—	—	—	—	—	—	—
London ...	30.51	50	46	NE	1	—	—	9	f o	—	—
Rochefort ...	—	—	—	—	—	—	—	—	—	—	—

EXPLANATION OF THE COLUMNS.

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

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

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EIGHT A.M.

WEATHER REPORT. 1870.

November 3rd*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	29.96	49	45	SW	6	6	ESE	—	o	—	4
* Skudesnaes ...	30.23	48	48	SSW	3	6	SE	—	o r f	—	4
* Oxo (Christiansand)	30.25	49	45	SW	4	2	N	—	co	—	2
Thurso ...	30.31r	46	44	W	2	2	SW	7	cpc	0.03	2
Wick ...	30.33r	47	46	WSW	4	3	SSE	8	co	0.03	3
Nairn ...	30.38r	46	44	W	1	3	W	8	bo	0.02	1
Aberdeen ...	30.39r	43	42	W	1	3	SSW	3	c	0.03	1
Leith ...	30.40r	49	48	W	2	4	SW	1	bf	—	—
Shields ...	30.42f	47	46	W	3	3	SW	5	mc	—	3
Scarborough ...	30.46f	41	40	WSW	3	3	SW	7	bc	—	2
Yarmouth ...	30.52f	40	40	NNW	3	3	E	4	cm	—	3
Ardrossan ...	30.46r	51	49	NW	2	4	SW	4	c	0.06	1
Greencastle ...	30.48r	47	47	N	1	1	SW	6	c	—	—
Holyhead ...	30.47r	50	49	WSW	3	4	SSE	7	c	—	—
Liverpool ...	30.47f	45	44	ENE	1	1	E	5	bf	—	1
Valencia ...	30.51r	52	50	SW	1	4	S	9	co	—	2
Crookhaven ...											
Roche's Point	30.49r	50	48	SSW	2	4	S	9	o	—	2
Pembroke ...	30.49r	48	47	ENE	1	3	SE	9	om	—	2
Penzance ...	30.54r	46	45	ESE	2	4	SE	2	cb	—	1
Plymouth ...	30.52f	38	38	E	1	1	E	5	c	—	0
Portsmouth ...	30.52f	—	—	NE	1	2	E	5	c	—	1
Dover ...	30.48f	51	49	ENE	2	3	E	3	b	—	1
London ...	30.51r	34	33	Z	0	2	NE	9	cbf	—	—
Helder ...	30.50	38	—	ENE	2	—	—	—	—	—	2
Cape Gris Nez	30.47f	38	36	E	3	4	E	3	bc	—	1
Brest ...											
L'Orient ...											
Rochefort ...											
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	30.372	36	33	WNW	1	6	NW	5	oc	—	1

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...											
Scarborough ...	30.45	51	50	NNW	1	—	—	9	f	—	2
Greencastle ...	30.52	51	48	NNE	1	—	—	9	o	—	—
Valencia ..	30.52	54	53	Z	0	—	—	9	m	—	0
Penzance ...	30.50	52	48	ENE	4	—	—	2	b	—	2
London ...	30.49	41	41	Z	0	—	—	9	f	—	—
Rochefort ...											

EXPLANATION OF THE COLUMNS.

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

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EIGHT A.M.

WEATHER REPORT. 1870

Fri-day

November 4th

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	30.21	44	43	SSW	6	6	SSW	—	o r	—	4
*Skudesnaes ...	30.26	42	41	NNW	4	6	NNW	—	cr	—	3
*Oxo (Christiansand)	—	46	42	W	4	4	WSW	—	ob	—	2
Thurso ...	30.462	50	47	NNW	2	4	W	5	c	0.02	2
Wick ...	30.462	44	43	WNW	3	3	W	8	co	0.03	3
Nairn ...	30.512	44	42	W	1	1	W	6	c	—	1
Aberdeen ...	30.522	46	44	NW	1	1	W	8	co	—	1
Leith ...	30.508	47	45	W	2	3	NW	7	bg	—	—
Shields ...	30.488	45	43	WNW	2	3	NW	4	c	—	2
Scarborough ...	30.512	48	47	N	1	1	NNW	8	f	—	2
Yarmouth ...	30.478	49	47	NNW	4	4	W	4	c	—	4
Ardrossan ...	30.562	47	44	NNW	1	2	NW	7	c	—	0
Greencastle ...	30.548	46	44	N	1	1	NNE	6	oc	—	—
Holyhead ...	30.522	49	46	NNE	3	3	N	6	c	—	—
Liverpool ...	30.512	45	44	SW	1	2	SE	2	cb	—	1
Valencia ...	30.538	52	51	NNW	1	1	SW	6	mf	0.01	0
Crookhaven ...	—	—	—	—	—	—	—	—	—	—	—
Roche's Point	30.522	51	49	E	2	2	E	7	oc	—	2
Pembroke ...	30.502	50	49	NE	2	2	NE	9	o	—	1
Penzance ...	30.518	50	48	ESE	4	4	ENE	8	bo	—	3
Plymouth ...	30.498	47	46	N	1	1	NE	9	cf	—	0
Portsmouth ...	30.498	—	—	Z	0	2	NE	9	cof	—	0
Dover ...	30.448	45	45	N	2	3	NNE	9	bm	—	1
London ...	30.478	43	43	Z	0	2	N	9	mf	0.01	—
Helder ...	30.41	49	—	N	2	—	—	—	—	—	2
Cape Gris Nez	30.448	45	43	Z	0	3	E	9	co	—	1
Brest ...	30.432	43	41	NE	3	4	ENE	0	b	—	2
L'Orient ...	—	—	—	—	—	—	—	—	—	—	—
Rochefort ...	30.312	37	37	NE	5	5	NE	0	b	—	3
Biarritz ...	—	—	—	—	—	—	—	—	—	—	—
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	—	—	—	—	—	—	—	—	—	—	—
Heart's Content (9 a.m. local time.)	30.328	41	39	S	3	3	S	8	bo.	—	3

2 P.M. REPORT.

Skudesnaes ...	30.27	45	43	NW	6	—	—	—	b	—	3
Thurso ...	30.47	49	47	Z	0	—	—	8	co	—	1
Scarborough ...	30.49	50	48	NNW	1	—	—	9	fo	—	2
Greencastle ...	30.52	49	47	NNW	1	—	—	7	fo	—	—
Valencia ..	30.52	54	52	NW	1	—	—	6	fc	—	0
Penzance ...	30.47	54	51	ESE	4	—	—	4	fc	—	3
London ...	30.45	51	48	N	1	—	—	9	fm	—	—
Rochefort ...	—	—	—	—	—	—	—	—	—	—	—

EXPLANATION OF THE COLUMNS.

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

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

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

REMARKS.

Fri-day

Barometrical pressure has risen in Norway and the North of the British Isles, and fallen slightly in the south of England and in France. Readings are now very high and uniform, that at Rochefort being only 0.24 in. below that at Adressan.

Temperature has fallen a little in the North, but risen in the South of these Islands.

Winds continue very light over Great Britain chiefly from the N^W.

Weather is overcast in the South, cloudy generally; with fog and mist in the South.

The sea is calm.

2 P.M. The barometer is falling very slowly in the South. The fog has cleared in most places.

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.
NOV. ^R												
3.	Hearts Content	30.372	36	33	WNW	1	6	NW	5	oc	-	1
	<u>Correction.</u> Liverpool	-	-	-	-	-	-	-	-	bg	-	-

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870.

November 5th

Saturday

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	30.32	40	38	—	2	2	NNW	—	o	—	4
* Skudesnaes ...	30.38	39	38	NNW	4	—	—	—	b	—	—
* Oxo (Christiansand)	30.32	36	35	N	4	4	NNW	—	bc	—	2
Thurso ...	30.44 ^f	42	41	SW	2	2	NNW	7	oc	0.06	2
Wick ...	30.46 ^r	42	41	WSW	3	2	WNW	6	c	—	2
Nairn ...	30.51 ^o	40	38	W	1	1	W	1	cb	—	1
Aberdeen ...	30.50 ^r	40	39	W	1	1	NW	1	cb	0.02	1
Leith ...	30.51 ^f	41	39	W	2	2	W	1	cf	—	—
Shields ...	30.46 ^e	45	42	NW	2	3	WNW	3	e	—	2
Scarborough ...	30.50 ^r	46	45	NW	1	1	N	4	of	0.13	2
Yarmouth ...	30.47 ^f	47	47	N	3	3	NNW	5	c	—	4
Ardrossan ...	30.56 ^r	43	41	SE	1	2	NNW	7	cf	—	0
Greencastle ...	30.53 ^f	45	43	WNW	1	1	N	8	co	—	—
Holyhead ...	30.50 ^r	47	44	NNW	2	3	NNE	5	c	—	—
Liverpool ...	30.48 ^s	48	46	NNW	1	3	W	5	cf	—	1
Valencia ...	30.52 ^s	47	46	N	1	1	NW	6	fc	—	0
Crookhaven ...											
Roche's Point	30.50 ^f	46	43	E	2	3	ESE	2	cb	—	2
Pembroke ...	30.48 ^f	46	43	NE	2	3	NNE	7	oc	—	0
Penzance ...	30.50 ^r	50	47	SE	4	4	ESE	9	co	—	3
Plymouth ...	30.49 ^r	47	45	NE	1	2	N	9	o	—	0
Portsmouth ...	30.49 ^f	—	—	Z	0	1	NE	9	om	—	0
Dover ...	30.47 ^r	47	46	N	2	2	?N	3	fo	—	1
London ...	30.49 ^r	44	43	Z	0	2	N	9	fo	—	—
Helder ...	30.42	48	—	N	2	—	—	—	—	—	2
Cape Gris Nez	30.45 ^r	49	45	N	4	1	E	8	o	—	3
Brest ...	30.41 ^r	45	41	E	3	4	ENE	2	b	—	2
L'Orient ...											
Rochefort ...	30.32 ^r	39	39	E	5	5	N	0	b	—	3
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	29.91 ^f	47	47	SSW	3	7	SSW	9	o	0.53	1

2 P.M. REPORT.

Skudesnaes ...	30.36	44	42	WSW	2	—	—	—	o	—	2
Thurso ...											
Scarborough ...	30.59	49	48	NNE	1	—	—	7	oc	—	2
Greencastle ...	30.59 ^f	49	48.5	SW	1	—	—	8	oc	—	2
Valencia ..	30.50	52	49	WSW	2	—	—	6.8	co	—	—
Penzance ...	30.45	52	49	SSE	3	—	—	4	e	—	2
London ...	30.45	50	46	N	2	—	—	9	mo	—	—
Rochefort ...											

EXPLANATION OF THE COLUMNS.

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

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

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

Sea
disturb
to 9.)

1

2

2

1

2

4

1

9

20

32

01

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3

EIGHT A.M.

WEATHER REPORT. 1870.

November 6th

Sunday

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	29.79	42	40	SSW	4	4	WSW	—	rs	—	4
* Skudesnaes ...	29.44	45	43	W	4	0	Z	—	oc	—	4
* Oxo (Christiansand)	30.00	47	45	WSW	6	2	NW	—	co	—	4
Thurso ...	30.13 $\frac{1}{2}$	46	42	NNW	3	4	WNW	8	o	0.12	3
Wick ...	30.13 $\frac{1}{2}$	38	37	NW	4	4	WNW	6	oc	0.14	2
Nairn ...	30.18 $\frac{1}{2}$	43	42	W	1	2	W	8	o	0.06	1
Aberdeen 9 a.m.	30.16 $\frac{1}{2}$	44	43	WNW	1	2	WNW	3	bc	—	1
Leith ... 9 a.m.	30.16 $\frac{1}{2}$	47	45	W	4	2	WNW	7	brc	0.01	—
Shields ...	30.21 $\frac{1}{2}$	43	42	W	3	3	NW	7	c	—	1
Scarborough 2.30 a.m. 30.25 $\frac{1}{2}$	30.25 $\frac{1}{2}$	42	41	WSW	2	1	NNE	9	co	—	2
Yarmouth ...	30.27 $\frac{1}{2}$	46	46	W	3	3	NNE	5	c	—	3
Ardrossan ...	30.26 $\frac{1}{2}$	49	46	WSW	3	2	NW	8	co	0.04	3
Greencastle 9 a.m. 30.29 $\frac{1}{2}$	30.29 $\frac{1}{2}$	45	45	WSW	1	1	WSW	9	of	—	—
Holyhead ...	30.31 $\frac{1}{2}$	47	44	WSW	2	2	NNW	6	c	—	—
Liverpool ...	30.27 $\frac{1}{2}$	48	44	Z	0	1	W	6	c	—	0
Valencia ...	30.34 $\frac{1}{2}$	48	46	NNW	2	2	SW	7	c	—	0
Crookhaven ...											
Roche's Point	30.36 $\frac{1}{2}$	50	48	N	1	1	E	9	o	—	1
Pembroke ...	30.34 $\frac{1}{2}$	48	44	Z	0	2	NE	9	o	—	0
Penzance 9 a.m.	30.38 $\frac{1}{2}$	46	43	NNE	2	4	SE	6	c	—	1
Plymouth ...	30.35 $\frac{1}{2}$	45	44	Z	0	1	NE	8	am	—	0
Portsmouth ...											
Dover ...	30.30 $\frac{1}{2}$	46	45	NNE	3	2	NNE	6	oc	—	1
London ...	30.31 $\frac{1}{2}$	44	43	W	1	2	N	9	bf	—	—
Helder ...											
Cape Gris Nez	30.31 $\frac{1}{2}$	45	43	Z	0	3	N	9	om	—	1
Brest ...	30.33 $\frac{1}{2}$	43	41	ENE	3	3	ENE	7	bo	—	2
L'Orient ...											
Rochefort ...	30.22 $\frac{1}{2}$	42	42	N	5	5	E	0	b	—	3
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	29.99 $\frac{1}{2}$	41	40	W	1	3	SSW	8	o	0.08	2

2 P.M. REPORT.

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

EXPLANATION OF THE COLUMNS.

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

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

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

Sea
Distur
0 to 9

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- 3

2

mercury
— calm
squally
extremely

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870.

Mon-day

November 7TH

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	29.84	38	37	SSW	4	2	SSW	—	orc	—	4
*Skudesnaes ...	29.89	36	35	NNW	2	4	WNW	—	cb	—	2
Oxo (Christiansand)	29.84	36	35	WNW	2	4	SW	—	cb	—	1
Thurso ...	30.00 ²	39	38	WNW	2	3	NW	5	pc	0.17	2
Wick ...	30.00 ²	35	34	NW	3	3	NW	4	c	—	2
Nairn ...	30.02 ²	35	34	W	1	1	W	8	co	—	1
Aberdeen ...	30.03 ²	36	35	NNW	1	2	WNW	6	c	0.02	1
Leith ...	30.01 ²	38	37	W	2	3	W	9	cf	—	—
Shields ...	30.03 ²	39	38	WNW	2	3	W	4	bm	—	1
Scarborough ...	30.03 ²	36	35	W	1	2	SW	6	oc	—	2
Yarmouth ...	30.06 ²	37	37	W	3	3	WSW	4	cm	—	3
Ardrossan ...	30.01 ²	41	40	NE	2	4	WSW	7	cf	0.06	1
Greencastle ...	30.00 ²	44	43	SSW	3	3	WNW	8	co	0.06	—
Holyhead ...	30.05 ²	44	42	WSW	3	3	WSW	4	c	0.10	—
Liverpool ...	30.05 ²	48	45	W	1	1	W	5	c	0.10	1
Valencia ...	30.10 ²	48	47	SSW	2	2	NW	7	re	0.17	1
Crookhaven ...											
Roche's Point	30.06 ²	47	45	NNW	1	3	NW	8	co	—	1
Pembroke ...	30.06 ²	49	45	W	2	2	NW	7	oc	—	0
Penzance ...	30.13 ²	48	46	NE	2	3	NE	8	o	—	1
Plymouth ...	30.11 ²	46	45	WNW	1	1	NE	9	o	—	0
Portsmouth ...	30.11 ²	—	—	N	1	1	NE	6	c	—	1
Dover ...	30.07 ²	43	42	NNW	2	1	N	3	cb	—	1
London ...	30.09 ²	39	38	SW	1	2	W	8	oc	—	—
Helder ...	29.99	48	—	WSW	2	—	—	—	—	—	2
Cape Gris Nez											
Brest ...	30.13 ²	45	41	NE	1	4	NNW	9	o	—	2
L'Orient ...											
Rochefort ...	30.13 ²	42	42	NW	5	5	NW	5	bc	—	3
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	30.21 ²	34	—	NW	2	2	NW	1	b	—	2

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...											
Scarborough ...	30.02	45	43	SE	2	—	—	7	c	—	2
Greencastle ...	30.02	46	45	SW	1	—	—	5	c	—	—
Valencia ...	30.04	51	50	SSW	1	—	—	6	re	—	0
Penzance ...	30.07	51	48	WNW	3	—	—	6	c	—	2
London ...	30.07	49	47	WNW	1	—	—	9	mr	—	—
Rochefort ...											

EXPLANATION OF THE COLUMNS.

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

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REMARKS.

Monday

Since Saturday the barometre has been falling throughout all parts of the British Isles and neighbouring Countries, the change having been greatest in the north-east yesterday, but in the south and southwest to-day. Pressure though nearly 0.5 in. lower generally is still very uniform, the reading at Penzance exceeding by only 0.14 in. that at Heldev, and by 0.29 in. those at Oxo and Christiansund.

Temperature after rising somewhat in Scotland yesterday has fallen at all but our south-western stations to-day; and is 13° higher at Valencia and Penzance than at Nairn.

Light N^W breezes continue prevalent in the north and east of Great Britain, but in the western districts very variable winds are reported.

Some showers have occurred in the northwest and North. The sky is cloudy generally.

The sea is calm.

2 p.m. — The barometrical decrease has slackened in the South, while in the North a recovery has set in. Winds are light and very variable.

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.
Nov. ^r												
5.	Heart Content	29.918	47	47	SSW	3	7	SSW	9	0	0.53	1
At France about this												

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870.

Tues-day

November 8.TH

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund								—		—	
* Skudesnaes ...								—		—	
* Oxo (Christiansand)								—		—	
Thurso ...	30.092	33	—	NNE	4	4	NNE	5	c	0.05	3
Wick ...	30.082	32	—	NW	3	3	NW	4	c	0.10	2
Nairn ...	30.122	36	35	W	1	3	W	6	cc	0.05	2
Aberdeen ...	30.102	38	37	NNW	1	1	NNW	4	cp	0.02	1
Leith ...	30.112	35	33	W	2	2	NW	1	bc	—	—
Shields ...	30.082	36	35	W	3	3	NW	7	bc	—	1
Scarborough ...	30.092	37	36	W	2	2	WSW	3	c	—	2
Yarmouth ...	30.082	38	38	NW	3	3	W	4	fnd	—	3
Ardrossan ...	30.152	32	—	ENE	2	1	ENE	0	fb	0.08	1
Greencastle ...	30.112	38	37	Z	0	1	SW	3	c	0.10	—
Holyhead ...	30.062	42	41	W	4	3	W	4	c	—	—
Liverpool ...	30.092	44	42	Z	0	1	SW	5	cm	0.09	0
Valencia ...	30.008	47	46	ESE	3	2	SSW	8	p	0.25	1
Crookhaven ...											
Roche's Point	30.022	47	45	ESE	2	2	SW	7	cc	—	2
Pembroke ...	30.032	44	41	ENE	3	2	W	9	o	0.10	1
Penzance ...	30.052	47	46	Z	0	3	WNW	8	cl	—	1
Plymouth ...	30.062	47	46	NE	1	1	W	9	o	—	0
Portsmouth ...	30.082	—	—	ENE	1	1	W	6	om	—	1
Dover ...	30.062	46	44	N	2	1	E	8	bo	—	1
London ...	30.082	38	37	Z	0	2	SW	9	pcf	0.02	—
Helder ...	30.01	48	—	NW	6	—	—	—	—	—	2
Cape Gris Nez	30.102	43	41	WSW	3	1	SW	9	f	—	2
Brest ...	30.102	50	46	SSW	4	4	SSW	9	fo	—	3
L'Orient ...	30.082	47	43	N	1	1	—	9	no	—	2
Rochefort ...	30.112	37	37	E	5	4	N	0	cb	—	3
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	30.202	34	—	NINE	1	2	NW	8	bo	—	2

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...	30.07	43	41	N	2	—	—	6	c	—	2
Scarborough ...	30.08	43	41	NNW	2	—	—	5	c	—	2
Greencastle ...											
Valencia ..	29.98	51	49	ESE	3	—	—	7	zc	—	1
Penzance ...	30.01	50	48	SSW	4	—	—	9	ol	—	3
London ...	30.06	49	46	N	1	—	—	9	fnd	—	—
Rochefort ..											

EXPLANATION OF THE COLUMNS.

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

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

REMARKS.

Tues-day

Barometrical changes since yesterday have been very slight over the United Kingdom, pressure having increased in the north and decreased in the south-west. Readings are again remarkably uniform, the greatest difference between any two of our stations is only 0.15 in. - Ardrossan to Valencia.

Temperature has fallen in the Irish Channel and west of Scotland, and is lowest in the north. Wick is 15° colder than our southwest coasts.

The winds at our more northern stations, continue light from the W^W but in the Channel NE⁴ airs and calms are reported drawing round to a light ESE breeze in the south of Ireland, and SSE at Brest.

Some showers have again occurred - principally in the west and north. The sky has cleared except in the south and south-west where it continues very cloudy; with fog in the south-east. The sea is calm.

L.P.M.

No important change.

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.
Nov.									
7.	Heart's Content	30.212	34	-	NW 2	2	NW	1	b - 2
	<u>Correction</u>								
	Liverpool	-	-	-	-	-	-	-	0.10

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870.

Wednesday

November 9

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	29.53	36	35	W	10	8	SW	—	r	—	3
* Skudesnaes ...	29.65	36	35	NNW	2	0	Z	—	cr	—	2
Oxo (Christiansund)	29.67	36	35	WNW	2	2	NW	—	bc	—	1
Thurso ...	29.968	39	37	NNE	7	5	NNW	6	bc	0.15	6
Wick ...	29.988	38	37	NNW	5	3	NW	6	c	0.14	3
Naim ...	30.008	37	35	NW	1	2	W	4	c	0.02	2
Aberdeen ...	29.948	36	35	NNW	3	3	NNW	9	cps	0.03	2
Leith ...	29.988	34	32	W	3	2	W	1	bc	—	—
Shields ...	29.978	34	33	W	3	3	N	0	cplb	0.01	2
Scarborough ...	29.988	36	35	W	2	2	NNW	2	cb	—	2
Yarmouth ...	29.968	40	40	NW	3	3	W	6	g	—	3
Ardrossan ...	30.058	30	—	N	1	1	ENE	1	g	—	1
Greencastle ...	30.028	40	39	SW	1	1	NNE	6	cr	0.04	—
Holyhead ...	29.978	43	41	ENE	2	3	ESE	4	c	—	—
Liverpool ...	29.998	43	40	Z	0	0	Z	3	gnd	—	0
Valencia ...	29.908	46	44	—	6	4	SE	6	c	—	4
Roche's Point	29.898	46	45	E	4	4	E	9	po	0.35	4
Pembroke ...	29.868	45	43	E	4	4	SE	9	omd	0.07	2
Penzance ...	29.868	48	45	NE	4	4	SSW	8	o	0.20	2
Plymouth ...	29.878	45	45	E	1	1	E	6	oc	—	0
Portsmouth ...	29.968	—	—	S	1	1	ESE	9	o	0.02	1
Dover ...	29.958	47	46	SW	2	2	N	7	oc	0.13	1
London ...	29.968	37	37	Z	0	1	WSW	9	cf	—	—
Helder ...	29.96	43	—	NNE	2	—	—	—	—	—	2
Cape Gris Nez											
Brest ...	29.908	46	44	SE	5	5	SE	9	o	—	4
L'Orient ...											
Rochefort ...	29.918	39	39	SE	4	5	E	5	bc	—	3
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	30.29r	34	33	NNE	2	3	NNE	8	os	0.27	3

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...	29.95	40	36	NNE	7	—	—	5	c	—	6
Scarborough ...	29.85	41	38	NNW	2	—	—	1	b	—	2
Greencastle ...	30.00	44	40	NE	3	—	—	4	c	—	—
Valencia ..	29.89	46	44	E	6	—	—	3	oc	—	4
Penzance ...	29.76	50	47	ESE	5	—	—	6	c	—	4
London ...	29.85	45	43	Z	0	—	—	—	f	—	—
Rochefort ...											

EXPLANATION OF THE COLUMNS.

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

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

9.
Sea
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EIGHT A.M.

WEATHER REPORT. 1870.

Thursday

November 10th

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								—		—	
*Skudesnaes ...	29.50	32	—	NNE	4	2	N	—	bc	—	1
*Oxo (Christiansund)	29.43	34	32	NNE	4	2	NNW	—	c	—	2
Thurso ...	29.758	42	39	NE	7	8	NNE	5	gsc	0.40	7
Wick ...	29.768	41	39	NE	5	5	NNW	7	c	0.18	5
Nairn ...	29.708	37	36	NE	7	1	NW	9	ps	0.08	6
Aberdeen ...	29.678	34	33	NNW	2	4	NNW	7	scr	0.38	4
Leith ...	29.728	36	32	NW	3	5	N	2	fb	—	—
Shields ...	29.658	34	33	NNW	4	4	N	8	cs	0.14	4
Scarborough ...	29.618	37	36	N	3	2	NNW	7	hc	0.35	4
Yarmouth ...	29.518	40	38	N	4	4	NNW	6	mc	—	5
Ardrossan ...	29.818	34	32	NW	4	4	NW	6	gc	—	3
Greencastle ...	29.878	38	35	NE	5	6	NE	4	gsc	0.31	—
Holyhead ...	29.758	40	36	NNE	4	4	NNW	5	c	—	—
Liverpool ...	29.728	37	33	N	1	1	NW	0	cg	—	1
Valencia ...	29.982	43	41	NNE	6	6	E	7	ph	0.03	5
Roche's Point	29.898	37	35	N	6	6	N	1	ob	—	5
Pembroke ...	29.688	37	34	NNE	6	6	NNE	7	cgs	0.04	2
Penzance ...	29.718	43	37	NE	6	5	ESE	5	c	—	4
Plymouth ...	29.678	36	34	N	2	1	NE	0	cb	—	0
Portsmouth ...	29.588	—	—	NE	4	2	ESE	8	o	—	3
Dover ...	29.478	45	44	NE	3	2	WSW	9	or	0.26	2
London ...	29.558	35	34	N	3	4	N	9	fo	—	—
Helder ...	29.46	40	—	SSW	2	—	—	—	—	—	2
Cape Gris Nez	29.478	43	39	N	4	3	S	9	ro	0.28	3
Brest ...	29.658	38	38	NNE	5	5	E	9	r	0.75	4
L'Orient ...	—	42	42	N	5	7	ESE	8	o	0.32	3
Rochefort ...	29.428	51	51	W	5	5	SE	4	rg	0.35	3
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	30.182	43	43	E	1	2	NNE	9	rgo	0.07	2

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...	29.84	43	38	NNE	7	—	—	7	tlc	—	6
Scarborough ...	29.57	39	37	N	4	—	—	7	sh	—	4
Greencastle ...	29.87	44	39	NE	6	—	—	4	hc	—	—
Valencia ..	30.02	44	42	NE	6	—	—	4	hc	—	5
Penzance ...	29.70	40	37	NE	5	—	—	6	soc	—	4
London ...	29.51	41	38	N	3	—	—	9	o	—	—
Rochefort ...											

EXPLANATION OF THE COLUMNS.

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

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

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

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EIGHT A.M.

WEATHER REPORT. 1870.

Fri-day

November 11TH

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 10)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.72	32	—	E NE	8	6	E SE	—	c	—	4
* Skudesnaes ...	29.51	32	—	E SE	2	0	Z	—	b	—	2
* Oxo (Christiansund)	29.45	31	—	NNW	4	4	NNE	—	bc	—	2
Thurso ...	29.77 ^f	39	37	NNE	7	7	NNE	8	tgp	0.30	7
Wick ...	29.74 ^f	37	36	NE	6	7	NE	8	ro	0.30	6
Nairn ...	29.80 ^f	36	35	NE	6	9	NE	9	spr	0.17	6
Aberdeen ...	29.68 ^f	35	34	N	4	6	N	6	ch	0.18	6
Leith ...	29.75 ^f	38	35	N	6	6	N	6	oc	0.02	—
Shields ...	29.62 ^f	34	34	NNW	4	7	NNE	8	h	0.41	5
Scarborough ...	29.57 ^f	39	37	N	5	5	N	7	h	0.34	5
Yarmouth ...	29.46 ^f	40	39	N	4	6	NNE	6	gh	0.18	5
Ardrossan ...	29.82 ^f	35	—	NE	2	5	NNW	1	cb	0.01	1
Greencastle ...	29.92 ^f	40	38	NE	6	7	NE	8	gph	0.13	—
Holyhead ...	29.77 ^f	42	37	NNE	7	8	NNE	5	c	—	—
Liverpool ...	29.71 ^f	36	—	N	1	1	N	7	co	—	1
Valencia ...	30.08 ^f	45	43	NE	6	7	NE	6	phc	0.09	4
Roche's Point	29.95 ^f	39	36	N	8	9	N	1	clb	—	5
Pembroke ...	29.73 ^f	40	36	N	7	8	N	7	hgc	0.09	3
Penzance ...	29.81 ^f	38	37	N	7	8	NNE	9	gph	0.50	5
Plymouth ...	29.72 ^f	37	35	N	3	3	N	4	bc	—	0
Portsmouth ...	29.61 ^f	—	—	NNE	4	6	NE	4	oc	—	3
Dover ...	29.45 ^f	37	36	NNW	5	6	NNE	4	gpc	0.41	3
London ...	29.56 ^f	36	34	N	3	6	N	8	gc	—	—
Helder ...	29.31	41	—	N	6	—	—	—	—	—	4
Cape Gris Nez	29.44 ^f	40	38	N	8	9	NE	8	ro	0.41	6
Brest ...	29.77 ^f	39	37	NNW	5	5	NNW	9	o	0.04	4
L'Orient ...	29.71 ^f	37	37	NNE	4	7	NNE	8	ho	0.04	0
Rochefort ...											
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	29.86 ^f	45	45	SE	4	4	SE	9	swgr	0.24	3

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...	29.62	39	38	E NE	6	—	—	—	oc	—	6
Scarborough ...	29.59	39	37	N	5	—	—	7	hc	—	5
Greencastle ...	29.86	44	38	N	5	—	—	4	c	—	—
Valencia ..	30.02	45	42	N	6	—	—	5	ch	—	4
Penzance ...	29.82	38	37	N	6	—	—	9	hr	—	5
London ...	29.54	41	38	N	4	—	—	9	o	—	—
Rochefort ...											

EXPLANATION OF THE COLUMNS.

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

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

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

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EIGHT A.M.

WEATHER REPORT. 1870.

Saturday

November. 12.TH

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	29.60	38	34	E	6	8	ENE	—	c	—	—
* Skudesnaes ...	29.31	41	34	NE	6	4	NNE	—	co	—	2
* Oxo (Christiansund)	29.21	38	37	NNE	10	8	NNE	—	of	—	6
Thurso ...	29.41 ²	41	40	ENE	4	6	NNE	7	pr	0.20	3
Wick ...											
Nairn ...	29.45 ²	26	—	N	3	6	NE	6	oc	0.16	5
Aberdeen ...	29.36 ²	32	—	N	1	5	NNW	6	scnd	0.50	4
Leith ...	29.38 ²	34	31	NW	2	5	N	2	bg	—	—
Shields ...	29.33 ²	32	—	NNW	3	4	NW	1	sb	0.41	4
Scarborough ...	29.33 ²	34	32	NNW	3	6	N	4	hc	0.16	3
Yarmouth ...	29.33 ²	32	—	NNW	3	6	NNW	3	ghw	0.41	5
Ardrossan ...	29.44 ²	34	32	N	2	6	NNW	2	cb	—	1
Greencastle ...	29.48 ²	41	38	NE	5	6	NNE	8	gho	0.55	—
Holyhead ...	29.44 ²	42	39	NW	6	8	NNE	6	c	0.08	—
Liverpool ...	29.40 ²	41	38	E	1	1	N	3	cz	—	1
Valencia ...	29.70 ²	40	38	NNE	3	6	N	4	ph	0.21	2
Roche's Point	29.63 ²	38	36	N	4	8	N	1	cb	—	3
Pembroke ...	29.50 ²	41	37	NW	5	8	N	6	heg	0.40	2
Penzance ...	29.59 ²	39	38	NNE	3	6	N	9	r	0.54	3
Plymouth ...	29.56 ²	38	38	W	1	4	N	9	cr	0.12	0
Portsmouth ...	29.50 ²	—	—	NNW	1	6	NNE	9	oc	—	1
Dover ...	29.41 ²	38	37	NNW	3	5	N	2	cb	—	2
London ...	29.45 ²	31	—	W	2	5	N	2	mcb	—	—
Helder ...	29.46	44	—	NW	7	—	—	—	—	—	5
Cape Gris Nez	29.45 ²	35	33	NW	5	8	NNW	5	oc	—	4
Brest ...	29.69 ²	42	38	NNW	4	5	NNW	9	o	0.07	3
L'Orient ...											
Rochefort ...											
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	29.30 ²	47	47	SE	5	6	ESE	9	2f	0.52	3

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...	29.41	45	43	NE	5	—	—	7	oc	—	3
Scarborough ...	29.26	37	35	W	3	—	—	9	co	—	3
Greencastle ...	29.42	43	38	NNE	3	—	—	3	c	—	—
Valencia ..	29.62	41	39	N	4	—	—	4	ph	—	3
Penzance ...											
London ...	29.38	41	38	W	4	—	—	2	cb	—	—
Rochefort ...											

EXPLANATION OF THE COLUMNS.

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

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

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

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EIGHT A.M.

WEATHER REPORT. 1870. *November 13th**Sunday*

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund								—		—	
* Skudesnaes ...								—		—	
* Oxo (Christiansand)								—		—	
Thurso ...	29.24 ³	43	40	NNE	4	5	NNE	8	o	0.16	3
Wick ...	29.18 ⁸	35	34	WNW	4	4	WNW	6	rc	0.45	4
Nairn ...	29.30 ⁷	38	36	WNW	2	4	N	8	co	0.06	3
Aberdeen 9 a.m.	29.22 ⁸	39	38	NNW	4	4	NNE	4	rc	0.19	4
Leith ... 9 a.m.	29.30 ⁷	39	37	W	3	5	N	6	oc	0.04	—
Shields ...	29.24 ⁴	39	38	WNW	3	3	N	6	oc	0.58	5
Scarborough 9 1/2 a.m.	29.21 ⁵	41	40	NNW	6	5	NW	9	o	1.13	5
Yarmouth ...	29.21 ⁷	42	42	WNW	4	4	SW	6	cr	—	4
Ardrossan ...	29.37 ⁸	41	38	NW	3	4	NE	4	c	—	2
Greencastle 9 a.m.	29.43 ⁸	43	40	NW	2	5	NNE	5	c	0.21	—
Holyhead ...											
Liverpool ..											
Valencia ...	29.64 ^r	45	43	N	4	5	N	6	thp	0.25	4
Roche's Point	29.58 ^r	44	42	NW	3	5	N	7	c	—	3
Pembroke ...	29.43 ^r	47	44	NW	5	6	NW	7	pc	0.03	2
Penzance ...	29.57 ^r	40	38	NW	3	4	NNE	8	co	0.34	2
Plymouth ...	29.49 ^r	36	36	N	1	1	NW	9	cso	0.05	0
Portsmouth 12 a.m.	29.42 ^o	—	—	WNW	3	2	WNW	9	co	—	2
Dover ...	29.30 ⁸	36	35	W	2	3	WNW	8	csm	—	1
London ...	29.35 ^r	37	36	W	2	4	W	9	bst	0.06	—
Helder ...											
Cape Gris Nez	29.35 ⁸	44	37	W	7	5	W	8	bo	—	5
Brest ...	? 29.59 ^r	41	39	N	3	4	N	4	c	0.16	3
L'Orient ...	29.57 ^r	39	39	N	1	4	NW	3	c	0.24	2
Rochefort ...	29.53 ^r	40	40	NW	4	5	S	9	ro	0.51	3
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	29.32 ^r	42	41	SSW	4	5	SE	9	rfo	0.81	3

2 P.M. REPORT.

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

EXPLANATION OF THE COLUMNS.

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

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

REMARKS.

day

CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870.

Mon-day

November 14th

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	29.02	36	34	SSE	4	2	ESE	—	ob	—	2
* Skudesnaes ...	29.03	39	35	ESE	4	2	E	—	bc	—	2
* Oxo (Christiansand)	29.06	39	35	NNE	2	4	NNW	—	co	—	3
Thurso ...	28.99 f	36	35	N	2	3	NNE	6	c	—	2
Wick ...	29.00 f	31	—	WNW	3	4	WNW	4	c	—	3
Nairn ...	29.02 f	33	32	W	2	1	WNW	4	c	—	2
Aberdeen ...	29.00 f	36	34	NNW	2	5	NNW	7	bc	—	3
Leith ...	29.04 f	35	34	W	2	3	W	1	bf	0.05	—
Shields ...	29.05 f	36	35	W	4	4	WNW	2	b	—	4
Scarborough ...	29.11 f	37	36	W	3	5	NW	5	c	0.02	3
Yarmouth ...	29.26 f	40	40	SSW	4	4	WNW	6	c	—	4
Ardrossan ...	29.09 f	40	38	W	3	4	NW	8	clr	0.12	3
Greencastle ...	29.08 f	36	35	WSW	4	6	NW	4	gpc	0.26	—
Holyhead ...	29.23 f	41	39	W	6	5	NNE	4	c	0.07	—
Liverpool ...	29.17 f	42	39	? SW	2	3	SW	5	c	0.10	1
Valencia ...	29.36 f	42	41	N	6	5	N	7	ph	0.14	5
Roche's Point	29.28 f	40	38	NW	4	4	NW	3	pc	0.07	3
Pembroke ...	29.22 f	47	44	WSW	4	7	W	9	op	0.10	3
Penzance ...	29.36 f	41	40	W	3	4	NW	9	or	0.21	2
Plymouth ...	29.34 f	46	45	W	1	3	NW	9	o	0.04	0
Portsmouth ...	29.34 f	—	—	WNW	1	3	WNW	8	o	—	1
Dover ...	29.35 f	45	45	WSW	3	3	W	6	egp	0.07	3
London ...	29.32 f	44	43	W	2	3	W	9	obo	0.01	—
Helder ...	29.29	46	—	SW	7	—	—	—	—	—	5
Cape Gris Nez	29.42 f	47	45	WSW	8	7	W	9	mr	0.08	6
Brest ...	29.57 f	53	51	WSW	5	4	WNW	9	mo	0.08	1
L'Orient ...	—	—	—	—	—	—	—	—	—	—	—
Rochefort ...	29.76 f	48	48	SW	5	5	N	9	co	0.16	3
Biarritz ...	—	—	—	—	—	—	—	—	—	—	—
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	—	—	—	—	—	—	—	—	—	—	—
Heart's Content (9 a.m. local time.)	29.48 f	47	47	NE	1	5	SSW	9	ogw	0.21	2

2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Thurso ...	29.00	43	41	NNE	2	—	—	6	c	—	2
Scarborough ...	29.14	41	39	WSW	2	—	—	6	c	—	2
Greencastle ...	29.09	40	38	SW	4	—	—	8	o	—	—
Valencia ...	29.27	41	40	W	5	—	—	8	ph	—	4
Penzance ...	29.29	46	43	WNW	3	—	—	6	c	—	2
London ...	29.20	49	47	WSW	2	—	—	9	o	—	—
Rochefort ...	—	—	—	—	—	—	—	—	—	—	—

EXPLANATION OF THE COLUMNS.

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

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

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

REMARKS.

Mon-day

Since Saturday the barometer has been very unsteady on our coasts, and during the past day has fallen at all but our south-east stations, where however it is now going down. Pressure is low generally, but at Thurso is 0.37 in. less than at Valencia and Penzance.

Temperature had risen yesterday, except in the Channel. To-day it has risen considerably in the Channel, but fallen again to the northward.

The winds are light to fresh in most places; varying in direction from N at Valencia through W on our southern coast, to SW at the south-eastern stations - blowing strongly from this quarter at Cape Gris Nez and Helder. In the north light W and NW breezes are reported.

Rain has been general, with snow at some southern stations. Thunder and lightning have occurred in the west. The sky is very cloudy except in the north-east; and the sea is disturbed on our east and south-east coasts.

2 p.m.

The barometer has commenced rising slightly in the north, but continues falling in the south.

The wind has backed considerably in Ireland.

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.
Nov. 12.	Cape Gris Nez	29.452	35	33	WNW	5	8	NNW	5	0 c	-	4
"	Brest	29.692	42	38	WNW	4	5	NNW	9	0	0.07	3
"	Rocheport	29.752	42	42	SW	4	7	N	6	c	-	3
"	Hearts Content	29.302	47	47	SE	5	6	ESE	9	2 f	0.52	3
"	Correction											
"	Helder.	29.17	-	-	-	-	-	-	-	-	-	-

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870.

Tues. day

November. 15.

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	29.21	33	-	ESE	4	4	ESE	-	b	-	3
*Skudesnaes ...	29.08	38	-	ESE	6	4	ESE	-	o r	-	4
*Oxo (Christiansund)	29.07	40	-	ESE	6	4	NNE	-	o r	-	3
Thurso ...	29.042	32	-	NE	5	4	NNW	7	o p	0.28	3
Wick ...	29.072	32	-	NE	4	4	WNW	6	o c	0.17	4
Nairn ...	29.012	38	37	ENE	4	1	W	9	o r	0.32	3
Aberdeen ...	28.992	36	35	NNE	2	2	NNW	9	c r	0.15	2
Leith ...	28.992	36	36	W	3	2	W	9	o r f	0.08	-
Shields ...	29.022	34	33	WSW	2	3	SW	2	b	-	2
Scarborough...	29.092	28	-	WSW	2	3	W	9	c f	-	2
Yarmouth ...	29.162	34	34	W	3	4	SSW	6	f	-	3
Ardrossan ...	29.012	42	40	NW	6	5	NW	6	h p c	0.40	4
Greencastle ...	29.172	44	41	NNW	6	4	SW	6	o c	0.21	-
Holyhead ...	29.142	39	37	WSW	4	5	WNW	5	c	0.05	-
Liverpool ...	29.12	37	35	SW	2	2	SW	3	c	-	1
Valencia ...	29.362	45	43	NE	4	8	NW	7	h p	0.19	3
Roche's Point	29.292	39	37	N	2	7	N	3	p g c	0.27	2
Pembroke ...	29.202	42	38	WNW	3	6	W	7	h c	0.25	2
Penzance ...	29.302	42	41	NW	4	4	WNW	9	c h p	0.22	2
Plymouth ...	29.262	37	37	W	1	3	W	4	m f	0.08	1
Portsmouth ...	29.162	-	-	NNW	1	4	W	8	o	0.47	1
Dover ...	29.152	39	39	NNE	1	6	SW	6	o r	0.61	1
London ...	29.162	32	-	W	1	3	W	9	p b f	0.01	-
Helder ...	29.15	44	-	SW	5	-	-	-	-	-	4
Cape Gris Nez	29.192	39	37	S	1	8	WSW	9	h	1.89	2
Brest ...	29.372	48	46	NW	5	8	NW	15	o	0.12	5
L'Orient ...	-	-	-	-	-	-	-	-	-	-	-
Rochefort ...	29.532	50	50	W	8	7	SW	9	o	0.51	4
Biarritz...	-	-	-	-	-	-	-	-	-	-	-
Corunna ...	-	-	-	-	-	-	-	-	-	-	-
Brussels ...	-	-	-	-	-	-	-	-	-	-	-
Paris ...	-	-	-	-	-	-	-	-	-	-	-
Strasbourg ...	-	-	-	-	-	-	-	-	-	-	-
Lyons ...	-	-	-	-	-	-	-	-	-	-	-
Toulon ...	-	-	-	-	-	-	-	-	-	-	-
Heart's Content (9 a.m. local time.)	29.882	40	40	S	1	1	NE	8	m f	0.20	2

2 P.M. REPORT.

Skudesnaes ...	-	-	-	-	-	-	-	-	-	-	-
Thurso ...	29.11	44	42	NE	5	-	-	5	c	-	3
Scarborough...	29.07	34	34	SW	3	-	-	9	f s	-	2
Greencastle ...	-	-	-	-	-	-	-	-	-	-	-
Valencia ..	29.49	47	45	NNE	6	-	-	6	s c p	-	4
Penzance ...	-	-	-	-	-	-	-	-	-	-	-
London...	29.22	38	37	W	2	-	-	8	s o c	-	-
Rochefort ...	-	-	-	-	-	-	-	-	-	-	-

EXPLANATION OF THE COLUMNS.

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

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

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

REMARKS.

Tues-day

Pressure has again been very unsteady over our Islands, but is now rather higher in the north-west, and lower in the east than it was yesterday. Apparently a slight depression exists to the eastward of Scotland, but our western barometers are rising generally. The reading at Valencia is 0.37 in. higher than at Aberdeen and Leith.

Temperature has risen in Ireland and Scotland, and fallen in England. At Scarborough it is low, and is 17° colder than at Valencia.

The winds are moderate or light generally. In Norway they are ESE $\frac{1}{2}$, in Scotland NE $\frac{1}{2}$, and in the north of England from between NNW and SW. In the English Channel the wind is NNW $\frac{1}{2}$.

Rain and hail have been general, and the former very heavy in the Straits of Dover. The sky continues cloudy, and the weather rather unsettled.

The sea is on the whole moderate, or calm.

2 p.m.

Pressure is increasing except at Scarboro!

The winds are hardly changed -

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.
Nov. ⁸												
14.	Christiansund	29.04	36	34	SSE	4	2	ESE	-	ob	-	2
"	Skudesnaes	29.03	39	35	ESE	4	2	E	-	bc	-	2
"	Oso	29.06	39	35	NNE	2	4	NNW	-	co	-	3
"	Brest	29.572	53	51	WSW	5	4	WNW	9	mo	0.08	1
"	Rockfort	29.762	48	48	SW	5	5	N	9	co	0.16	3
"	Hearts Content	29.482	47	47	NE	1	5	SSW	9	ognd	0.21	2

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870.

Wednesday

November 16th

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	29.13	41	36	ESE	4	4	ESE	—	bo	—	—
* Skudesnaes ...	29.03	41	36	E	4	6	ESE	—	c	—	4
* Oxo (Christiansand)	29.08	41	40	SSE	4	4	SSE	—	c	—	2
Thurso ...	29.145	43	41	NNE	4	5	NE	7	cp	0.25	3
Wick ...	29.152	39	37	NW	3	4	NE	7	c	0.02	3
Nairn ...	29.202	38	37	NNW	2	5	ENE	8	elo	0.28	4
Aberdeen ...	29.142	37	36	NW	3	4	NW	3	oc	0.20	2
Leith ...	29.202	38	36	W	2	3	N	7	of	—	—
Shields ...	29.212	34	33	W	2	3	W	5	c	0.21	1
Scarborough...	29.282	35	34	W	2	3	SW	3	oc	—	2
Yarmouth ...	29.282	35	34	WSW	3	3	SW	3	gnd	—	3
Ardrossan ...	29.262	41	39	N	3	4	NNW	4	c	—	2
Greencastle ...	29.332	41	39	NNW	3	5	NNW	8	r	0.34	—
Holyhead ...	29.322	44	42	WNW	4	4	W	4	c	0.40	—
Liverpool ...	29.272	42	40	W	2	2	W	5	c	0.22	1
Valencia ...	29.462	42	41	N	4	7	N	8	hp	0.07	3
Roche's Point	29.422	47	47	N	3	6	NNW	9	cr	0.28	3
Pembroke ...	29.342	44	41	NNW	4	6	WNW	7	op	—	2
Penzance ...	29.462	41	40	WNW	3	4	NW	6	c	0.18	1
Plymouth ...	29.432	40	40	W	1	3	WNW	3	cg	0.05	0
Portsmouth ...	29.392	—	—	WNW	1	4	WNW	5	c	0.01	1
Dover ...	29.352	37	36	W	2	3	W	1	csb	0.57	2
London ...	29.362	32	—	WSW	2	3	W	3	sbw	0.01	—
Helder ...	29.19	44	—	WSW	7	—	—	—	—	—	5
Cape Gris Nez	29.382	42	40	W	3	7	—	2	rb	0.35	2
Brest ...	29.532	46	42	NNW	3	7	WNW	7	ro	0.08	3
L'Orient ...	29.522	41	41	N	1	7	WNW	4	c	0.16	2
Rochefort ...	29.562	47	45	—	5	8	W	9	ro	0.16	4
Biarritz...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	30.042	45	43	SSW	3	3	SSW	9	bo	0.01	3

2 P.M. REPORT.

Skudesnaes ...						—	—	—		—	
Thurso ...	29.18	43	41	N	5	—	—	5	cp	—	4
Scarborough ...	29.27	40	38	W	2	—	—	3	c	—	2
Greencastle ...	29.32	42	40	WNW	2	—	—	4	c	—	—
Valencia ..	29.48	41	40	NNE	4	—	—	7	scf	—	3
Penzance ...	29.40	47	43	WNW	4	—	—	9	cr	—	2
London ...	29.36	44	42	W	1	—	—	9	co	—	—
Rochefort ...						—	—			—	

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REMARKS.

Wednesday

The barometer has risen generally since yesterday, but a new decrease has commenced in the south of Ireland during the night. The highest reading is at L'Orient, exceeding that at Aberdeen by 0.36 in.

Temperature has increased nearly everywhere, but irregularly, the change being greatest in the north of Scotland. London is 15° colder than Roches Point.

The winds are light to moderate everywhere, and in direction are very little different from those of yesterday; - viz. circulating round the lowest pressure over the North Sea.

Rain has again fallen except in the East, and snow in the south-east of England. Showers of hail are still reported from Valencia. The sky is now cloudy generally, with fog in some parts.

The sea is moderate in the North, calm elsewhere.

L.D. 882.

No important change

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.
Nov ^r												
15.	Rochefort	29.532	50	50	W	8	7	SW	9	20	0.51	4
"	Hearts Content	29.882	40	40	S	1	1	NE	8	mg	0.20	2
	<u>Correction</u>											
"	Valencia	-	-	-	NE	-	-	-	-	-	-	-
Nov ^r												
13.	Christiansund	29.10	42	37	ESE	10	6	ESE	-	c	-	4
"	Rudenæs	29.03	40	37	E	6	6	ENE	-	ob	-	4
"	Holyshead	29.382	45	44	NNE	4	5	NNE	7	2	0.40	-
"	Liverpool	29.322	45	42	NW	2	3	SW	4	c	0.10	2

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870.

Thurs - day

November. 17. 6

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	29.32	37	33	ESE	4	4	ESE	—	b	—	4
* Skudesnaes ...	29.21	41	38	ESE	6	6	SSE	—	o	—	4
* Oxo (Christiansand)	29.27	43	41	SSW	4	4	SE	—	o r c	—	3
Thurso ...	29.29	43	43	N	6	5	N	7	o r	0.30	5
Wick ...	29.27	42	41	NNW	4	3	NW	8	o r	0.22	3
Nairn ...	29.40	40	39	WNW	3	2	NNW	9	o	0.15	3
Aberdeen ...	29.35	38	37	NW	2	4	NW	4	c	0.07	2
Leith ...	29.39	38	36	W	2	3	NW	8	b f	0.03	—
Shields ...	29.42	33	—	W	3	3	WNW	2	b	—	1
Scarborough ...	29.41	32	—	W	2	2	W	1	c b	—	2
Yarmouth ...	29.45	35	35	W	3	3	WSW	6	f	—	3
Ardrossan ...											
Greencastle ...	29.50	44	40	N	5	6	N	8	o	0.21	—
Holyhead ...	29.43	44	42	WNW	4	4	NW	6	c	0.12	—
Liverpool ...	29.42	41	39	W	1	2	W	6	c	0.05	1
Valencia ...	29.66	44	43	NNE	4	5	N	7	s c p	0.17	4
Roche's Point	29.57	38	35	N	4	5	NNW	7	b	0.05	3
Pembroke ...	29.48	40	38	P N	2	3	NNE	7	o c p	0.35	1
Penzance ...	29.56	41	40	NNE	2	4	WNW	8	r o	0.37	3
Plymouth ...	29.50	40	40	E	1	2	SSW	2	c f	—	0
Portsmouth ...	29.48	—	—	Z	0	2	WNW	6	c m	0.10	0
Dover ...	29.46	38	37	NNW	3	3	SW	4	g c	—	1
London ...	29.47	32	—	W	1	2	W	9	b f	—	—
Helder ...	29.48	40	—	SW	6	—	—	—	—	—	4
Cape Gris Nez	29.45	39	37	S	4	4	N	8	b r	0.35	3
Brest ...	29.50	39	37	NE	3	5	NNW	7	r o	0.24	3
L'Orient ...											
Rochefort ...	29.58	44	44	S	5	5	WSW	9	r o	0.39	3
Biarritz ...	29.62	46	44	S	11	5	S	11	c	—	4
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	30.16	48	48	SSW	1	5	SSW	8	o	0.43	2

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...	29.39	45	43	NE	5	—	—	4	r c p	—	4
Scarborough ...	29.46	32	—	W	2	—	—	1	b	—	2
Greencastle ...	29.59	44	40	N	5	—	—	6	o c	—	3
Valencia ...	29.72	45	42	N	4	—	—	7	s c p	—	3
Penzance ...	29.60	46	42	NNE	3	—	—	6	c	—	—
London ...	29.51	40	39	WSW	1	—	—	8	o c m	—	—
Rochefort ...											

EXPLANATION OF THE COLUMNS.

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

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

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

Sea
Disturb
(0 to 9.)

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Meteorological Office,
ROBERT H. SCOTT,
DIRECTOR.

PRINTED BY VINCENT BROOKS, DAY AND SON, GATE STREET, W.C.

CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

[illegible]

EIGHT A.M.

WEATHER REPORT. 1870.

Fri-day

November 18th

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	29.39	36	33	ESE	4	4	ESE	—	c	—	4
*Skudesnaes ...	29.43	37	36	SSE	2	2	N	—	c	—	3
*Oxo (Christiansand)	29.43	37	36	NNW	2	2	NNW	—	c	—	2
Thurso ...	29.542	41	38	N	2	5	NE	4	c	0.29	2
Wick ...	29.532	38	36	NNW	3	3	NNW	4	c	0.10	3
Nairn ...	29.582	38	37	W	2	3	WNW	9	o	0.05	2
Aberdeen ...	29.502	38	37	N	2	2	NW	1	cb	0.01	2
Leith ...	29.542	37	35	WSW	3	3	W	6	og	0.06	—
Shields ...	29.522	35	35	NW	2	2	W	3	bc	—	1
Scarborough...	29.562	32	—	W	2	2	W	9	bg	—	2
Yarmouth ...	29.632	33	33	W	3	3	WSW	6	f	—	3
Ardrossan ...	29.602	36	34	ENE	2	4	N	3	c	0.01	1
Greencastle ...	29.642	38	37	NNW	2	7	N	3	oc	0.15	—
Holyhead ...	29.642	42	41	NNE	4	5	NNE	5	c	0.25	—
Liverpool ...	29.602	43	40	NW	2	2	W	6	rc	0.36	1
Valencia ...	29.802	37	35	NE	2	4	N	4	sc	0.07	1
Roche's Point	29.762	37	35	NW	2	5	N	1	cb	—	2
Pembroke ...	29.682	44	41	NW	3	4	NW	7	ob	0.23	1
Penzance ...	29.752	44	41	N	2	3	N	5	c	0.09	2
Plymouth ...	29.722	33	33	SE	1	2	W	1	mb	—	0
Portsmouth ...	29.692	—	—	Z	0	1	NW	4	ew	—	0
Dover ...	29.662	37	35	WSW	1	0	Z	3	exb	—	2
London ...	29.652	34	33	W	1	2	W	9	bg	—	—
Helder ...	29.63	37	—	SW	6	—	—	—	—	—	2
Cape Gris Nez	29.652	45	41	WNW	3	3	WSW	7	ro	1.06	3
Brest ...	29.762	40	38	NE	3	3	ENE	4	oc	—	3
L'Orient ...	29.712	41	39	ENE	4	4	E	7	co	—	2
Rochefort ...	29.652	42	42	E	4	5	SE	9	co	0.12	3
Biarritz...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon...											
Heart's Content (9 a.m. local time.)	30.102	36	36	ENE	2	2	NNE	9	hr	1.11	3

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...	29.43	40	38	SE	1	—	—	6	c	—	1
Scarborough...	29.55	36	35	W	2	—	—	8	f	—	2
Greencastle ...	29.52	41	39	SW	3	—	—	4	c	—	2
Valencia ..	29.59	45	44	SW	4	—	—	8	ro	—	—
Penzance ...											
London...	29.64	42	40	WSW	1	—	—	4	wd	—	—
Rochefort ...											

EXPLANATION OF THE COLUMNS.

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

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

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

Sea
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(0 to 9)

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EIGHT A.M.

WEATHER REPORT. 1870.

Saturday

November 19.

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	29.39	38	35	W	8	—	—	—	o	—	—
* Skudesnaes ...	29.39	42	40	SSW	6	6	SSE	—	co	—	4
* Oxo (Christiansund)	29.47	40	39	ENE	2	2	N	—	e	—	3
Thurso ...	29.078	39	37	SSE	4	2	WSW	7	oc	—	2
Wick ...	29.098	43	42	SSE	5	3	NNW	8	co	—	4
Nairn ...	29.068	39	38	SW	3	1	W	8	bo	—	1
Aberdeen ...	29.208	41	39	SSE	4	4	SSE	9	cr	0.01	3
Leith ...	29.158	40	37	S	5	3	SW	6	bc	—	—
Shields ...	29.318	36	35	SW	4	3	W	8	bo	—	1
Scarborough ...	29.408	34	33	SSW	3	2	W	7	gc	—	2
Yarmouth ...	29.478	38	37	S	3	3	SW	3	gc	—	3
Ardrossan ...	29.118	46	44	SW	6	7	SW	8	cr	0.25	7
Greencastle ...	29.078	40	39	WSW	2	5	SSW	6	oc	—	—
Holyhead ...	29.198	44	43	NNE	4	4	WSW	6	e	0.16	—
Liverpool ...	29.298	40	38	NE	1	1	NW	7	o	—	1
Valencia ...	29.208	46	44	NNW	4	8	SW	5	p	0.69	4
Roche's Point	29.108	42	40	NNW	6	9	SSW	5	rgc	0.82	5
Pembroke ...	29.158	47	44	S	8	8	SSW	9	o	0.23	5
Penzance ...	29.278	46	45	SW	4	3	N	—	—	—	—
Plymouth ...	29.328	48	46	S	5	5	S	9	co	—	4
Portsmouth ...	29.458	—	—	SSW	2	1	WNW	5	e	—	1
Dover ...	29.478	42	41	SSE	1	0	Z	0	gb	—	1
London ...	29.478	33	33	Z	0	1	W	5	gbc	—	—
Helder ...	29.55	34	—	SSE	2	—	—	—	—	—	2
Cape Gris Nez	29.498	35	35	E	1	4	W	1	b	—	1
Brest ...	29.498	49	45	SSW	7	7	SSW	9	o	—	4
L'Orient ...	—	—	—	—	—	—	—	—	—	—	—
Rochefort ...	29.582	46	44	S	4	5	S	9	2	0.35	3
Biarritz ...	—	—	—	—	—	—	—	—	—	—	—
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	—	—	—	—	—	—	—	—	—	—	—
Heart's Content (9 a.m. local time.)	30.122	34	34	S	1	2	ENE	4	cf	0.09	2

2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Thurso ...	29.00	43	40	S	3	—	—	6	oc	—	2
Scarborough ...	29.56	439	48	SSW	3	—	—	9	co	—	3
Greencastle ...	29.11	42	40	SW	1	—	—	3	e	—	1
Valencia ...	29.23	47	44	NW	3	—	—	3	e	—	2
Penzance ...	—	—	—	—	—	—	—	—	—	—	—
London ...	29.40	46	43	SSE	2	—	—	9	co	—	1
Rochefort ...	—	—	—	—	—	—	—	—	—	—	—

EXPLANATION OF THE COLUMNS.

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

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

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

Sea
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(0 to 9.)

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EIGHT A.M.

WEATHER REPORT. 1870.

Sun-day

November 20th

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	29.46	43	36	SSE	4	4	SSE	—	c	—	4
*Skudesnaes ...	29.46	41	38	ESE	6	6	SE	—	c	—	7
*Oxo (Christiansand)	29.53	44	42	SW	6	—	—	—	c	—	3
Thurso ...	29.06	34	33	SSW	1	3	S	3	c	—	1
Wick ...	29.09	42	40	S	3	4	SSE	4	c	—	3
Nairn ...	29.09	33	—	Z	0	6	SSW	0	ab	—	1
Aberdeen 9am	29.16	36	35	SSW	1	6	S	1	rb	0.26	2
Leith ... 9am	29.17	43	40	SW	3	6	S	2	cb	—	—
Shields ...	29.25	37	37	SW	1	4	S	0	om	—	1
Scarborough ...	29.32	38	37	WSW	3	3	SSW	2	ob	0.19	3
Yarmouth ...	29.38	44	44	W	2	4	SSW	5	cr	0.15	3
Ardrossan ...	29.17	46	43	SW	4	7	SW	7	rlc	0.40	4
Greencastle 9am	29.13	40	38	SW	3	3	SW	6	oc	—	—
Holyhead ...	29.25	44	42	SSW	3	3	ESE	4	oc	0.08	—
Liverpool ...											
Valencia ...	29.03	46	44	SW	3	4	W	7	p	0.29	4
Roche's Point	29.26	46	44	WSW	3	3	NW	6	bc	—	3
Pembroke ...	29.30	47	45	SW	4	2	SW	8	c	0.23	2
Penzance ...	29.46	46	44	WSW	4	4	N	7	c	0.38	3
Plymouth ...	29.43	34	34	W	1	6	S	3	rc	0.21	1
Portsmouth 10am	29.47	—	—	Z	0	4	SW	3	oc	0.23	0
Dover ...	29.26	46	45	SW	3	6	SSW	5	cr	0.11	3
London ...	29.43	39	38	SW	2	2	S	7	rc	0.29	—
Helder ...											
Cape Gris Nez	29.38	43	41	S	4	4	SSW	9	cm	—	2
Brest ...	29.67	48	44	W	4	7	SSW	6	oc	0.63	4
L'Orient ...	29.57	45	43	NW	1	7	NW	5	c	0.39	3
Rochefort ...	29.62	48	46	E	5	5	S	9	ro	0.16	3
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	29.38	41	41	N	1	3	N	9	bf	0.17	2

2 P.M. REPORT.

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

EXPLANATION OF THE COLUMNS.

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

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

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

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ROBERT H. SCOTT,

PRINTED BY VERNER GROOMS, DAY AND SON, GATE STREET, W.C.

EIGHT A.M.

WEATHER REPORT. 1870.

Mon-day

November 21st

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	29.52	49	40	ESE	4	4	ESE	—	c	—	4
*Skudesnaes ...	29.54	44	42	SE	6	6	SSE	—	or	—	7
*Oxo (Christiansand)	29.61	42	42	NNW	2	6	SSE	—	bo	—	3
Thurso ...	29.14 2	42	41	SSE	1	3	S	7	bc	—	1
Wick ...	29.16 2	47	45	SSE	5	4	SSE	8	co	—	4
Nairn ...	29.11 2	43	41	SSE	2	3	SW	6	c	—	1
Aberdeen ...	29.21 5	45	44	SSE	4	4	SSE	8	bo	0.01	3
Leith ...	29.15 2	45	43	SSE	4	3	SW	6	bc	0.01	—
Shields ...	29.22 2	43	43	S	4	3	SW	8	bo	—	1
Scarborough...	29.32 2	43	42	S	5	3	SW	7	c	—	4
Yarmouth ...	29.51 2	44	44	SSE	4	4	S	5	c	—	6
Ardrossan ...											
Greencastle ...	29.05 2	41	40	SW	2	5	SSW	9	o	0.10	—
Holyhead ...	29.11 2	45	44	WSW	3	4	WSW	6	or	0.55	—
Liverpool ...	29.14	46	44	SE	2	2	SE	7	co	—	1
Valencia ...	29.20 2	44	43	NNW	4	6	NW	7	hep	0.55	4
Roche's Point	29.18 2	40	38	NNW	2	6	SW	2	rb	0.45	4
Pembroke ...	29.14 2	47	43	WNW	6	8	SW	9	o	0.30	4
Penzance ...	29.33 2	45	44	WNW	3	6	WSW	6	re	0.60	3
Plymouth ...	29.30 2	45	44	W	2	7	SW	9	r	0.52	1
Portsmouth ...	29.36 2	—	—	SSW	7	5	SW	9	or	0.18	6
Dover ...	29.49 2	48	47	SW	16	5	SSW	5	c	—	4
London ...	29.39 2	48	47	SE	4	5	S	8	plc	0.08	—
Helder ...	29.66	39	—	S	6	—	—	—	—	—	2
Cape Gris Nez	29.54 2	43	43	S	4	5	WSW	5	bc	0.04	2
Brest ...	29.38 2	49	47	WSW	5	7	WSW	7	o	0.12	4
L'Orient											
Rochefort	29.70 2	49	49	S	5	5	S	6	ch	—	3
Biarritz...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	29.76 2	35	33	S	4	4	WNW	2	cb	0.10	4

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...	29.05	47	46	SE	4	—	—	6	oc	—	2
Scarborough ...	29.16	46	44	SSW	8	—	—	9	co	—	5
Greencastle ...	29.04	42	40	SW	2	—	—	2	cb	—	—
Valencia ...											
Penzance ...	29.37	48	45	W	4	—	—	4	4c	—	3
London ...	29.37	49	47	S	2	—	—	8	re	—	—
Rochefort ...											

EXPLANATION OF THE COLUMNS.

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

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

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

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EIGHT A.M.

WEATHER REPORT. 1870.

Tues. day

November. 22nd

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	29.45	43	37	ESE	4	4	ESE	—	b	—	4
*Skudesnaes ...	29.33	41	40	SSE	8	6	SE	—	cr	—	7
*Oxo (Christiansand)	29.32	45	44	ESE	8	6	ESE	—	cor	—	6
Thurso ...	29.062	34	34	SSW	1	5	SE	2	ob	0.46	1
Wick ...	29.082	38	37	S	4	5	SSE	4	rc	0.40	3
Nairn ...	29.112	35	33	SW	2	2	SE	1	ob	0.30	1
Aberdeen ...	29.152	35	34	SSW	1	6	SSE	1	obnw	0.35	3
Leith ...	29.142	32	—	WNW	1	4	W	1	bf	0.11	—
Shields ...	29.205	36	35	WSW	2	6	S	2	ono	0.04	2
Scarborough...	29.282	34	34	SW	1	8	SSW	9	of	—	3
Yarmouth ...	29.412	38	38	SSW	3	6	SSW	4	c	—	4
Ardrossan ...											
Greencastle ...	29.092	38	37	S	2	4	SSW	3	c	—	—
Holyhead ...	29.162	43	41	SSE	4	5	SW	5	c	0.08	—
Liverpool ...	29.212	42	39	SE	1	2	SE	6	c	0.18	1
Valencia ...	28.982	44	43	SSE	4	4	WNW	8	hr	0.29	3
Roche's Point	29.022	43	43	SSE	6	6	SSE	9	cr	0.25	5
Pembroke ...	29.132	46	44	S	4	6	SW	9	cgr	0.18	4
Penzance ...	29.142	52	51	W	6	4	W	8	co	0.40	5
Plymouth ...	29.212	49	49	S	4	4	WSW	9	r	0.26	3
Portsmouth ...	29.352	—	—	SW	1	7	SSW	9	or	0.14	1
Dover ...	29.412	45	44	WSW	4	6	SSW	6	gpr	0.40	3
London ...	29.372	41	40	SW	2	4	S	6	rbc	0.16	—
Helder ...	29.41	42	—	—	6	—	—	—	—	—	2
Cape Gris Nez	29.475	46	44	WSW	5	8	WSW	9	or	0.43	4
Brest ...	29.432	55	48	SW	5	7	WNW	9	rno	0.28	1
L'Orient ...											
Rochefort ...											
Biarritz...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon...											
Heart's Content (9 a.m. local time.)	29.882	38	37	W	3	5	WNW	5	c	0.16	3

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...	29.06	42	39	Z	0	—	—	1	b	—	1
Scarborough...	29.13	39	38	S	2	—	—	9	fo	—	2
Greencastle ...	28.98	40	39	Z	0	—	—	3	c	—	—
Valencia ..	28.93	47	45	W	4	—	—	8	hpg	—	4
Penzance ...	29.25	53	50	WSW	5	—	—	8	co	—	5
London...	29.12	53	50	W	6	—	—	8	roc	—	—
Rochefort ...											

EXPLANATION OF THE COLUMNS.

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

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

REMARKS.

Tues-day

Yesterday's depression has passed off to the eastward, but after a slight recovery at most stations, the barometer has again commenced falling briskly in the SW of our Islands. The lowest reading is at Valencia, being 0.49 in. less than at Cape Gris-Nez.

Temperature has fallen considerably in the north, and east, while it has risen in the south and south-west. At Penzance it is very high, and is 18° warmer than at Thurso.

The winds have been moderate to fresh from S, and S in general during the past day, but have now fallen light except on our south-western coasts, having also backed towards SE, in Ireland, and the Irish Channel.

A good deal of rain has fallen except in the east of England, and it still continues in the west. The sky has cleared in Scotland, but remains overcast in the south of the British Isles. The sea is rough in the southwest, moderate or calm elsewhere.

2 p.m. Pressure has changed very variably on our coasts, and is low generally, especially in Ireland. Calms prevail in the north, and W^{ly} winds of variable strength in the southern parts of our Islands.

Warnings were issued to our S, and SW coasts this 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.
Nov. ^r												
22.	Portsmouth	29.363	-	-	SSW	7	5	SW	9	o r	0.13	6
"	Dover	29.493	48	47	SW	6	5	SSW	5	c	-	4
"	London	29.392	48	47	SE	4	5	S	8	pbc	0.08	1
"	Hellder	29.65	39	-	S	6	-	-	-	-	-	2
"	C. Gris Nez	29.542	43	43	S	4	5	WSW	5	bc	0.04	2
"	Brest	29.382	49	47	WSW	5	7	WSW	9	o	0.12	4
"	Rocheport	29.702	49	49	S	5	5	S	6	ch	-	3
"	Heart Content	29.762	35	33	S	4	4	WNW	2	cb	0.10	4

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870.

Wednesday

November 23.

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	29.08	39	35	ESE	6	6	ESE	—	o	—	4
* Skudesnaes ...	29.02	40	37	ESE	4	4	SSE	—	bo	—	6
* Oxo (Christiansand)	29.04	37	35	NNE	6	2	NNE	—	co	—	3
Thurso ...	28.968	27	—	SSW	1	1	S	4	bc	—	1
Wick ...	28.988	32	—	WSW	3	3	S	6	c	0.06	3
Nairn ...	28.998	25	—	SSW	1	1	SW	0	b	—	1
Aberdeen ...	28.988	32	—	Z	0	1	SSW	1	bmw	—	1
Leith ...	28.978	37	37	SE	1	3	SE	9	bg	—	—
Shields ...	28.958	38	38	W	1	3	SSW	8	opnd	0.04	6
Scarborough...	28.968	41	41	WSW	2	2	SSW	7	oc	0.23	2
Yarmouth ...	29.118	45	45	SE	4	6	SW	4	c	0.12	5
Ardrossan ...	No observations. Observer ill.										
Greencastle ...	28.918	43	42	SW	3	5	SE	9	o	0.11	—
Holyhead ...	29.002	45	43	WSW	4	6	ESE	7	ro	0.58	—
Liverpool ...	28.962	44	42	SE	1	2	SE	3	rc	0.52	1
Valencia ...	29.182	46	45	W	3	7	WNW	7	lhp	0.53	4
Roche's Point	29.142	42	40	WNW	3	7	WSW	4	lge	0.52	5
Pembroke ...	29.102	49	45	WNW	7	10	WSW	8	co	0.48	5
Penzance ...	29.272	49	46	W	3	6	WSW	6	egc	0.32	4
Plymouth ...	29.262	50	48	W	4	7	WSW	3	lmw	0.19	3
Portsmouth ...	29.262	—	—	WSW	7	8	W	5	c	0.10	6
Dover ...	29.242	48	46	WNW	7	8	W	4	opg	0.34	5
London ...	29.182	49	47	W	7	9	W	4	egc	0.86	—
Helder ...	29.18	49	—	SW	7	—	—	—	—	—	5
Cape Gris Nez	29.278	51	—	WSW	9	9	WSW	8	bt	0.08	7
Brest ...	—	—	—	—	—	—	—	—	—	—	—
L'Orient ...	—	—	—	—	—	—	—	—	—	—	—
Rochefort ...	29.738	55	55	SW	5	8	SW	9	ro	0.83	4
Biarritz...	—	—	—	—	—	—	—	—	—	—	—
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	—	—	—	—	—	—	—	—	—	—	—
Heart's Content (9 a.m. local time.)	30.532	21	—	N	3	7	N	2	b	—	3

2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Thurso ...	29.01	37	36	Z	0	—	—	0	b	—	1
Scarborough...	29.10	45	44	W	2	—	—	4	c	—	2
Greencastle ...	29.07	44	42	WSW	3	—	—	6	oc	—	—
Valencia ..	29.22	50	49	W	3	—	—	6	rep	—	3
Penzance ...	29.42	60	54	W	4	—	—	5	c	—	4
London...	29.32	51	49	WSW	3	—	—	4	c	—	—
Rochefort ...	—	—	—	—	—	—	—	—	—	—	—

EXPLANATION OF THE COLUMNS.

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

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

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

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EIGHT A.M.

WEATHER REPORT. 1870.

Thurs-day

November. 24.

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	29.26	-	-	ESE	4	-	-	-	b	-	-
* Skudesnaes ...	29.33	41	39	SSW	6	2	ESE	-	r	-	7
* Oxo (Christiansand)	29.39	36	35	NNE	4	6	NNE	-	ob	-	3
Thurso ...	29.142	26	-	SSW	1	1	SSW	6	bc	-	1
Wick ...	29.12	30	-	W	3	3	WSW	8	co	-	3
Nairn ...	29.152	29	-	SE	1	0	Z	6	bc	-	1
Aberdeen ...	29.142	35	34	Z	0	1	SSW	9	bg	0.02	0
Leith ...	29.082	42	41	SE	1	1	E	9	orz	0.08	-
Shields ...	29.212	43	43	S	2	4	WNW	8	pm	0.03	1
Scarborough...	29.182	50	49	SW	5	4	WSW	9	co	0.44	3
Yarmouth ...	29.432	51	51	S	4	6	W	5	c	-	6
Ardrossan ...	No observations. Observer ill.										
Greencastle ...	28.902	48	46	S	4	5	WSW	8	o	0.08	-
Holyhead ...	29.062	51	50	SSW	5	4	WSW	6	c	0.21	-
Liverpool ...	29.112	49	48	SE	1	3	SE	8	co	0.30	1
Valencia ...	28.902	49	47	WSW	4	6	SW	4	p	0.51	4
Roche's Point	28.992	49	48	SSW	7	8	SSW	9	co	0.39	7
Pembroke ...	29.102	53	52	SSW	8	10	SSW	9	co	0.80	7
Penzance ...	29.212	53	52	SW	9	7	WSW	9	r	0.56	8
Plymouth ...	29.322	54	53	S	6	8	S	9	mr	0.31	5
Portsmouth ...	29.472	-	-	SW	7	7	WSW	9	or	0.11	6
Dover ...	29.522	52	51	SW	6	3	WSW	4	c	0.06	5
London ...	29.422	55	53	SW	8	9	SW	9	bg	0.02	-
Helder ...	29.52	48	-	SSW	7	-	-	-	-	-	5
Cape Gris Nez	29.562	50	48	WSW	8	11	WSW	8	co	-	5
Brest ...	29.432	53	53	S	8	8	S	9	o	0.04	6
L'Orient ...	29.542	55	53	-	7	7	W	7	c	-	7
Rochefort ...	29.742	50	48	S	5	7	W	7	co	-	3
Biarritz...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon...											
Heart's Content (9 a.m. local time.)	29.262	44	43	WSW	6	8	NNE	9	o	0.53	-

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...	29.07	35	33	SSE	1	-	-	8	fr	-	1
Scarborough...	29.21	53	51	SW	6	-	-	9	co	-	4
Greencastle ...											
Valencia ..	28.95	50	48	SW	2	-	-	8	co	-	2
Penzance ...											
London...	29.38	56	52	S	6	-	-	3	co	-	7
Rochefort ...											

EXPLANATION OF THE COLUMNS.

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

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

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

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EIGHT A.M.

WEATHER REPORT. 1870.

Friday

November 25.

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	29.31	37	35	ESE	4	4	SSE	—	0	—	1
* Skudesnaes ...	29.25	48	48	SE	8	6	SSE	—	0.2	—	7
* Oxo (Christiansand)	29.48	46	45	ESE	4	6	NNE	—	20	—	4
Thurso ...	28.85	38	38	SSE	1	1	S	7	0.2	0.19	1
Wick ...	28.84	41	40	SSW	2	3	S	8	0	0.35	3
Nairn ...	28.90	32	—	SSW	1	2	SE	9	0.2	0.27	1
Aberdeen ...	28.98	44	43	SSW	2	2	SSW	4	0.2	0.12	1
Leith ...	29.00	46	42	SW	5	2	SE	5	0.0	0.07	—
Shields ...	29.12	47	45	WSW	3	3	S	6	0.0	0.66	2
Scarborough...	29.21	48	47	SW	3	6	SW	7	0.0	0.10	3
Yarmouth ...	29.35	53	52	SSW	3	6	S	4	0	—	4
Ardrossan ...	29.04	47	46	WSW	6	—	—	—	2	2	5
Greencastle ...	29.06	45	43	W	3	4	SW	6	0	0.04	—
Holyhead ...	29.19	46	45	SSW	4	7	SSW	5	0.0	0.49	—
Liverpool ...	29.18	47	45	SW	2	2	S	6	2.0	0.59	1
Valencia ...	29.24	43	43	ENE	2	2	SW	8	2.2	0.12	3
Roche's Point	29.21	43	42	NW	2	5	SSW	7	0.0	0.06	6
Pembroke ...	29.25	50	47	SW	5	8	SSW	6	0.0	0.65	4
Penzance ...	29.39	49	48	WSW	4	8	SW	5	0.0	0.18	5
Plymouth ...	29.37	51	50	SW	3	6	S	7	0.0	0.27	2
Portsmouth ...	29.44	—	—	SW	6	7	SSW	9	2	0.28	5
Dover ...	29.43	53	52	SW	6	4	SSW	6	bcg	—	5
London ...	29.39	50	48	SW	4	8	SSW	7	gnc	0.25	—
Helder ...	29.44	48	—	S	6	—	—	—	—	—	5
Cape Gris Nez	29.48	53	51	WSW	8	8	SW	9	bc	—	5
Brest ...	29.34	50	48	W	5	8	SSE	0	ob	0.16	5
L'Orient ...											
Rochefort ...	29.67	53	53	S	4	5	S	9	0	—	3
Biarritz...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon...											
Heart's Content (9 a.m. local time.)	29.18	51	—	NW	6	7	WSW	8	0	—	5

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...	28.84	43	41	SSW	1	—	—	6	c	—	1
Scarborough...	29.40	50	47	SW	4	—	—	2	eb	—	3
Greencastle ...	29.27	46	43	SW	3	—	—	2	c	—	—
Valencia ..	29.44	47	45	E	1	—	—	3	c	—	2
Penzance ...	29.54	51	49	WSW	4	—	—	4	c	—	3
London...	29.59	54	52	SW	3	—	—	6	2.0	—	—
Rochefort ...											

EXPLANATION OF THE COLUMNS.

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

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EIGHT A.M.

WEATHER REPORT. 1870.

Saturday

November 26th

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	29.20	47	41	SSW	4	4	SSE	—	c	—	4
* Skudesnaes ...	29.66	46	44	SSW	6	6	SSW	—	o	—	7
* Oxo (Christiansand)	29.76	45	45	SW	4	6	S	—	e	—	4
Thurso ...	29.572	40	38	SW	3	5	SW	5	pc	0.12	3
Wick ...	29.622	40	38	W	4	6	W	4	oc	0.02	3
Nairn ...	29.682	38	35	SW	2	6	SSW	3	bc	—	2
Aberdeen ...	29.752	35	34	SW	1	4	SW	1	cb	—	1
Leith ...	29.742	42	40	SW	2	6	SW	6	bpm	0.02	—
Shields ...	29.812	40	39	SW	2	6	SW	6	bmo	—	3
Scarborough ...	29.842	40	39	SW	1	5	SW	6	c	0.02	2
Yarmouth ...	29.872	46	46	SW	2	4	SW	6	f	—	3
Ardrossan ...	No observations. Observer ill.										
Greencastle ...	29.792	37	36	W	1	4	SW	2	cb	—	—
Holyhead ...	29.692	46	45	NNE	3	3	SSW	26	co	0.27	—
Liverpool ...	29.762	44	42	ENE	1	2	SE	4	cg	0.10	1
Valencia ...	29.792	37	36	NNE	1	2	E	0	cb	—	2
Roche's Point	29.752	41	40	NNW	3	3	SW	9	emo	—	6
Pembroke ...	29.672	50	49	SW	4	6	SW	8	tog	0.23	3
Penzance ...	29.762	48	47	WNW	1	4	WSW	4	c	0.18	3
Plymouth ...	29.742	51	50	S	4	4	S	8	emo	0.12	3
Portsmouth ...	29.832	—	—	S	1	6	SW	5	c	0.01	1
Dover ...	29.862	51	51	SSE	1	4	WSW	5	c	—	1
London ...	29.842	47	47	Z	0	4	SW	9	cbz	0.02	—
Helder ...	29.89	46	—	SW	2	—	—	—	—	—	2
Cape Gris Nez	29.782	49	47	WSW	2	7	SW	9	o	—	1
Brest ...	29.772	51	49	W	4	5	S	3	b	—	4
L'Orient ...	29.842	51	49	SW	4	4	WSW	7	c	0.43	5
Rochefort ...	29.882	51	51	S	5	5	SE	5	oc	—	3
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	29.442	35	33	W	3	7	WNW	8	bo	—	3

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...	29.72	44	41	WSW	3	—	—	2	cpb	—	3
Scarborough ...	29.88	42	41	SW	1	—	—	3	c	—	2
Greencastle ...	29.86	41	39	WSW	1	—	—	0	bmo	—	1
Valencia ..	29.84	45	44	E	1	—	—	0	b	—	1
Penzance ...	29.87	50	49	WNW	3	—	—	4	c	—	3
London ...	29.88	54	52	S	2	—	—	8	mo	—	1
Rochefort ...											

EXPLANATION OF THE COLUMNS.

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REMARKS.

Satur-day

Since yesterday the barometer has risen very quickly on all our coasts, the change varying from 0.78 in: at Wick to 0.30 in: at Cape Bre. Mex; and readings are much more uniform in the British Isles than of late. Pressure at Thurso is only 0.32 in: less than at Helder; but the recovery has not yet extended to Christiansund.

Temperature has risen in the west of Scotland, and is unchanged in the Irish and English Channels, while in the east of Great Britain and west of Ireland it has fallen several degrees. Plymouth and Dover are 16° warmer than Aberdeen, and 14° warmer than Valencia.

The NE^{ly} wind noticed at Valencia yesterday has extended to Holyhead and Liverpool but is still light; while SW^{ly} breezes continue on our other coasts, but are also very light.

A little more rain has fallen, principally in the South; and the sky remains cloudy, with fog at London and Liverpool. The sea is rough at Rock's Point, nearly calm on our other coasts; but at Skudesnæs it still runs high.

2. pen. Pressure continues to increase every where.
" " Winds are unchanged.

CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

[illegible]

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870.

November 27th

Sunday

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches.)	Sea Disturbance (0 to 10)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund								—		—	
* Skudesnaes ...								—		—	
* Oxo (Christiansand)								—		—	
Thurso ...	30.115	39	38	SW	1	3	WSW	7	pc	0.10	2
Wick ...	30.175	41	40	WNW	3	3	W	7	c	—	3
Nairn ...	30.175	31	—	Z	0	2	SW	6	bcm	—	1
Aberdeen <i>9 a.m.</i>	30.205	32	—	WSW	1	1	SW	3	bcm	—	1
Leith ... <i>9 a.m.</i>	30.175	33	—	N	1	2	WSW	0	bf	—	—
Shields ...	30.175	42	41	W	2	2	SW	8	m	—	1
Scarborough <i>9.15 a.m.</i>	30.245	39	39	W	1	1	SW	9	cf	—	2
Yarmouth ...	30.255	44	44	Z	0	2	SW	6	f	—	3
Ardrossan ...	30.145	38	37	NE	3	2	SW	7	f	0.01	2
Greencastle <i>9 a.m.</i>	30.105	47	46	SE	3	3	SE	8	om	—	—
Holyhead ...	30.165	43	42	SE	3	3	E	6	o	—	—
Liverpool ...	30.175	47	45	SE	1	2	E	8	co	—	1
Valencia ...	29.925	50	49	ESE	4	4	SSE	8	cm	0.01	4
Roche's Point	29.495	46	46	SSE	5	5	SSE	9	f m	0.05	4
Pembroke ...	30.085	48	46	SE	2	4	S	3	c	0.71	2
Penzance ...											
Plymouth ...	30.165	41	41	S	1	1	S	3	om	0.03	1
Portsmouth <i>10 a.m.</i>	30.255	—	—	SE	1	1	SW	5	c	0.02	1
Dover ...	30.215	50	49	SW	1	0	Z	6	cm	—	1
London ...	30.215	44	44	SE	1	0	Z	8	fc	—	—
Helder ...								—	—	—	
Cape Gris Nez	30.215	46	46	E	1	1	SSW	3	fb	—	1
Brest ...	30.125	46	46	SE	1	4	W	9	bf	—	—
L'Orient ...											
Rochefort ...											
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	29.126	41	41	NNE	1	3	W	9	orf	0.25	1

2 P.M. REPORT.

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

EXPLANATION OF THE COLUMNS.

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

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

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

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EIGHT A.M.

WEATHER REPORT 1870.

Monday

November 28

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches.)	Sea Disturb. (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund								—		—	
* Skudesnaes ...								—		—	
* Oxo (Christiansand)								—		—	
Thurso ...	30.29.2	42	41	SSE	2	1	SSW	6	bc		2
Wick ...	30.28.2	42	40	ESE	4	3	WNW	8	co		3
Nairn ...	30.28.2	28	28	Z	0	1	S	3	bc		1
Aberdeen ...	30.33.2	37	36	Z	0	1	WSW	9	cf		1
Leith ...	30.31.2	33	33	SSE	2	2	SE	1	cf		—
Shields ...	30.32.2	43	41	SSW	1	2	WSW	5	m		0
Scarborough ...	30.35.2	42	41	SSW	1	1	W	7	mc		1
Yarmouth ...	30.38.2	41	41	W	2	2	SE	6	f		3
Ardrossan ...	30.26.2	40	39	NE	2	3	NE	6	f		1
Greencastle ...	30.17.2	48	46	SE	3	5	SE	8	bo		—
Holyhead ...	30.21.2	42	41	SSE	3	3	SSE	5	c	0.16	—
Liverpool ...	30.26.2	44	42	SE	1	2	SE	6	c		1
Valencia ...	29.89.2	52	51	S	6	8	S	9	rmf	0.26	5
Roche's Point	30.00.5	49	47	S	8	8	S	9	o		6
Pembroke ...	30.14.2	49	47	SE	6	6	SE	8	co		4
Penzance ...	30.07.3	49	48	SE	6	7	SSE	4	c		4
Plymouth ...	30.24.5	48	47	SE	2	2	SE	9	co		1
Portsmouth ...	30.31.2	—	—	SE	1	1	SE	9	co		1
Dover ...	30.32.3	47	45	SE	3	0	Z	5	mc		2
London ...	30.33.2	42	42	Z	0	2	SE	9	cf	0.01	—
Helder ...	30.37	46	—	NNW	2	—	—	—	—		2
Cape Gris Nez	30.26.2	44	42	S	2	2	WSW	9	bo		1
Brest ...	30.17.3	46	44	SE	5	5	SE	9	o		5
L'Orient ...	30.22.2	47	45	SE	5	5	SE	9	o		3
Rochefort ...	30.21.2	44	44	E	5	3	SE	4	pc		3
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	29.32.2	36	36	NNE	1	2	NNE	9	o	0.02	1

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...	30.31	45	44	SE	2	—	—	5	c		1
Scarborough ...	30.34	45	44	SSW	1	—	—	7	c		1
Greencastle ...	30.19	48	45	SE	4	—	—	8	o		6
Valencia ..	29.91	54	53	S	6	—	—	9	rg		—
Penzance ...						—	—				—
London ...	30.33	48	45	SSE	2	—	—	9	mo		—
Rochefort ...						—	—				—

EXPLANATION OF THE COLUMNS.

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

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

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

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EIGHT A.M.

WEATHER REPORT. 1870.

Tuesday

November. 29th

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	30.41	37	35	SSW	4	0	Z	—	co	—	4
* Skudesnaes ...	30.40	36	34	ENE	2	0	Z	—	bc	—	2
* Oxo (Christiansand)	30.40	33	—	NNW	4	4	NNW	—	bc	—	2
Thurso ...	30.322	40	39	SSE	2	2	SE	6	ocnd	—	1
Wick ...	30.312	40	43	SSE	4	6	ESE	7	oc	—	4
Nairn ...	30.302	28	—	Z	0	0	Z	2	bm	—	1
Aberdeen ...	30.372	37	36	Z	0	0	Z	6	f	—	0
Leith ...	30.342	33	33	NW	1	1	SSE	0	bg	—	—
Shields ...	30.342	44	43	S	3	3	SSW	7	mc	—	2
Scarborough ...	30.362	45	43	S	2	1	SSW	9	co	—	2
Yarmouth ...	30.352	45	45	E	2	3	E	4	gc	—	3
Ardrossan ...	30.322	38	37	NE	2	5	NNE	5	f	—	1
Greencastle ...	30.242	48	46	SE	4	5	SE	8	o	—	—
Holyhead ...	30.252	43	42	SSE	3	4	SSE	5	c	—	—
Liverpool ...	30.392	46	44	ESE	1	1	ESE	6	cg	—	1
Valencia ...	30.062	52	51	S	5	6	SSW	8	ro	0.03	4
Roche's Point	30.122	49	48	S	5	9	S	9	rgo	0.36	5
Pembroke ...	30.193	48	47	ESE	6	7	SE	9	omd	—	4
Penzance ...	30.142	50	49	S	4	7	SSE	7	c	—	3
Plymouth ...	30.213	48	48	SE	1	3	SE	9	omw	—	1
Portsmouth ...	30.172	—	—	ESE	2	2	ESE	9	omw	0.01	1
Dover ...	30.302	47	45	ESE	3	3	SE	6	c	—	2
London ...	30.302	44	42	E	2	2	E	4	cmc	0.01	—
Helder ...	30.36	46	—	NW	3	—	—	—	—	—	2
Cape Gris Nez	30.302	43	41	ESE	3	1	E	9	of	—	6
Brest ...	30.142	47	45	ESE	4	5	SE	9	of	—	6
L'Orient ...	—	—	—	—	—	—	—	—	—	—	—
Rochefort ...	30.152	45	45	E	4	5	E	1	?b	—	3
Biarritz ...	—	—	—	—	—	—	—	—	—	—	—
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	—	—	—	—	—	—	—	—	—	—	—
Heart's Content (9 a.m. local time.)	29.512	32	—	NNE	5	5	NNE	9	mgf	0.18	5

2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	1
Thurso ...	30.35	45	43	SSE	2	—	—	0	b	—	—
Scarborough ...	30.38	46	44	SSE	2	—	—	9	o	—	2
Greencastle ...	30.39	48	46	ESE	4	—	—	7	o	—	—
Valencia ...	—	—	—	—	—	—	—	—	—	—	3
Penzance ...	30.18	52	49	ESE	3	—	—	3	e	—	—
London ...	30.29	48	45	E	2	—	—	9	o	—	—
Rochefort ...	—	—	—	—	—	—	—	—	—	—	—

EXPLANATION OF THE COLUMNS.

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

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

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

REMARKS.

Tues. day

The barometer has risen again at all but our SEth stations, where there has been a slight decrease; the lowest pressure is still found in the south of Ireland. The reading at Valencia is 0.30 in. less than that at Scarborough.

Temperature has risen slightly in the East of England, but is unchanged elsewhere. At Naism and Leith the weather continues locally cold, Naism being 2.4° colder than Valencia, and 17° colder than Wick.

The Sth winds after becoming strong in the south-west yesterday, have gradually subsided, and light to moderate breezes from between S and E, are now general on our coasts.

Some rain has fallen in the west. The sky continues overcast in the S, and cloudy elsewhere; with a great deal of mist and fog about. The sea is still rather rough in the south-west, moderate at Wick, and calm elsewhere.

Barometer lowered this morning.

2 p.m. Pressure is increasing in the northwest and north, but is unchanged in the south.

The winds at our western stations are backing towards East.

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.
Nov. ^r												
27. th	K'kensund	29.66	42	40	SW	6	8	SSW	—	0.2	—	4
"	Skudesnaes	30.04	44	41	W	4	6	SW	—	c.b.	—	6
"	Oseo	30.01	38	37	W	2	2	W	—	0.6	—	2
28. th	K'kensund	30.30	37	34	NW	4	6	W	—	no	—	4
"	Skudesnaes	30.25	40	38	WNW	4	4	WNW	—	c.	—	3
"	Oseo	30.19	37	34	W	4	6	W	—	b.	—	2
"	Rocheport	30.21	44	44	E	5	3	SE	4	ge.	—	3
"	Heart's Content	29.32	36	36	NNE	1	2	NNE	9	0	0.02	1

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870.

Wednesday

November 30

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	30.55	36	35	SSE	2	—	WSW	—	c	—	2
* Skudesnaes ...	30.53	—	—	N	2	0	Z	—	c	—	2
Oxo (Christiansand)	30.50	32	—	N	4	4	NNW	—	cb	—	2
Thurso ...	30.492	37	36	Z	0	2	SSE	7	bc	—	0
Wick ...	30.502	45	41	SSE	4	4	SSE	8	co	—	3
Nairn ...	30.502	28	—	Z	0	1	S	6	bcw	—	1
Aberdeen ...	30.552	40	39	Z	0	0	Z	8	m	0.01	0
Leith ...	30.522	40	38	S	2	1	SE	5	gc	—	—
Shields ...	30.492	43	39	SE	2	3	SE	5	opc	0.02	2
Scarborough ...	30.502	43	40	SE	4	2	SSE	7	oc	0.02	4
Yarmouth ...	30.472	43	41	ESE	4	4	E	4	c	—	4
Ardrossan ...	30.492	43	41	ESE	3	3	NE	6	gm	—	2
Greencastle ...	30.412	46	44	SE	3	4	ESE	9	o	—	—
Holyhead ...	30.412	43	42	ESE	2	2	ESE	5	c	—	—
Liverpool ...	30.442	45	42	ESE	2	2	ESE	5	cmw	—	1
Valencia ...	30.212	49	47	S	5	5	SSW	6	rc	0.04	4
Roche's Point	30.272	48	46	SE	5	5	SE	9	o	—	5
Pembroke ...	30.322	44	42	ESE	4	5	ESE	8	o	—	3
Penzance ...	30.312	47	45	ESE	5	3	ESE	9	co	—	4
Plymouth ...	30.332	45	43	E	2	1	SE	9	omw	0.02	1
Portsmouth ...	30.392	—	—	E	2	3	ESE	6	omw	—	1
Dover ...	30.392	42	39	E	4	5	ESE	4	c	—	3
London ...	30.392	42	39	ENE	3	3	E	9	o	—	—
Helder ...	30.45	39	—	ENE	3	—	—	—	—	—	2
Cape Gris Nez	30.362	33	—	ESE	5	4	E	2	ob	—	3
Brest ...	30.182	42	40	SW	3	3	SW	9	o	—	3
L'Orient ...	30.232	43	43	E	4	4	ESE	7	mc	—	4
Rochefort ...	30.172	45	45	SW	4	4	E	9	co	—	3
Biarritz ...	—	—	—	—	—	—	—	—	—	—	—
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	—	—	—	—	—	—	—	—	—	—	—
Heart's Content (9 a.m. local time.)	29.862	22	—	NNE	1	5	NE	9	o	—	3

2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Thurso ...	30.54	43	42	SSE	1	—	—	7	oc	—	1
Scarborough ...	30.54	43	39	E	4	—	—	9	o	—	4
Greencastle ...	30.46	46	43	SE	4	—	—	8	o	—	—
Valencia ..	30.24	51	49	S	5	—	—	4	oc	—	4
Penzance ...	30.34	48	46	ESE	6	—	—	9	o	—	5
London ...	30.46	43	39	E	4	—	—	9	o	—	—
Rochefort ...	—	—	—	—	—	—	—	—	—	—	—

EXPLANATION OF THE COLUMNS.

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REMARKS.

Wednesday

The barometer has again risen at all stations, and the slight local depression which existed in the English Channel yesterday has disappeared. Readings are now high generally; and those at Aberdeen and Christiansund (30.55 ins.) exceed by only 0.34 in. that at Valencia.

Temperature has risen somewhat in the northeast of our Islands but fallen elsewhere. Thurso is 12° colder than Talencia. Naimu continues locally much colder than the surrounding stations.

A moderate E^{ly} breeze now prevails across the south of England drawing to S and SE in Ireland, and the north of Great Britain. In the east of Scotland light airs and calms are general, and light N^{ly} breezes in the south of Norway.

Slight showers have occurred, and mist and fog are still prevalent in several parts of the Kingdom. The sky is very cloudy. The sea has risen a little on our east coast, where it is moderate, and is rather rough off the S of Ireland. Elsewhere it is calm on the whole.

2. pm. No important change.

CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

[illegible]

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.