

EIGHT A.M.

WEATHER REPORT. 1870. *September 1st**Thurs. day*

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	—	49	46	SSW	4	6	?	—	02	—	4
* Skudesnaes ...	29.55	49	46	—	—	2	SW	—	0	—	—
* (XO) (Christiansand)	29.89	51	—	—	—	6	W	—	6	—	—
Thurso ...	29.72	45	45	SSE	1	6	W	8	00	—	1
Wick ...	29.74	48	46	ESE	2	3	WSW	8	00	?	2
Nairn ...	29.71	47	47	NE	2	4	W	9	02	0.22	2
Aberdeen ...	29.77	48	47	E	1	3	W	9	02	0.14	2
Leith ...	29.74	54	52	S	2	4	W	9	62	0.04	—
Shields ...	29.80	55	52	SW	2	4	W	8	60	—	2
Scarborough ...	29.89	54	51	WSW	2	3	WNW	8	00	—	2
Yarmouth ...	30.00	53	51	W	3	3	W	0	06	—	2
Ardrossan ...	29.72	55	53	SSW	6	3	NW	8	0	0.35	5
Greencastle ...	29.62	59	57	SW	5	6	WSW	8	00	0.08	—
Holyhead ...	29.87	57	55	SSW	6	3	SW	9	00	—	—
Liverpool ...	29.87	57	52	E	2	3	N	5	—	—	1
Valencia ...	29.74	62	60	SSW	4	5	SSW	2	26	0.20	2
Crookhaven ...	29.76	62	60	SW	6	7	SW	?	60	—	4
Roche's Point	29.78	59	59	SW	7	7	SW	9	02	0.22	5
Pembroke ...	29.91	59	56	SSW	5	4	SW	8	00	—	3
Penzance ...	30.01	59	56	SW	4	3	ENE	6	0	—	5
Plymouth ...	30.00	56	54	S	3	3	N	4	0	—	2
Portsmouth ...	30.03	59	55	WSW	2	3	WSW	3	0	—	1
Dover ...	30.05	61	59	WSW	1	3	SW	1	6	—	1
London ...	30.03	59	55	W	2	2	NW	0	06	—	—
Helder ...	30.00	59	—	SW	6	—	—	—	—	—	2
Cape Gris Nez											
Brest ...	30.04	57	55	SE	3	5	NNW	1	6	—	3
L'Orient ...	30.09	56	56	—	1	4	W	3	60	—	2
Rochefort ...	30.06	55	53	E	5	5	E	0	6	—	3
Biarritz ...	30.03	63	57	E	4	5	N	0	06	—	3
Corunna ...	30.22	56	—	NE	3	—	—	—	6	—	2
Brussels ...	30.09	58	—	WSW	1	—	—	—	20	—	—
Paris ...	30.12	58	—	Z	0	—	—	—	0	—	—
Strasbourg ...											
Lyons ...	30.08	60	—	N	1	—	—	—	6	—	—
Toulon ...											
Heart's Content (9 a.m. local time.)	30.002	56	55	SSW	1	4	SW	8	07	—	3

2 P.M. REPORT.

Skudesnaes ...						—	—	—	—	—	—
Thurso ...						—	—	—	—	—	—
Scarborough ...	29.70	60	56	SW	3	—	—	8	0	—	2
Greencastle ...	29.51	62	58	SW	2	—	—	9	02	—	—
Valencia ..	29.62	63	61	SW	5	—	—	7	00	—	4
Penzance ...	29.89	63	58	SSW	4	—	—	9	02	—	5
London ...	29.91	68	59	WSW	4	—	—	4	60	—	—
Rochefort ...						—	—	—	—	—	—

EXPLANATION OF THE COLUMNS.

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

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

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

REMARKS.

Thurs. day

Since yesterday the barometer has fallen at all stations, especially in the west, where the decrease amounts to 0.6 in, having been greatest during the night. The lowest reading is at Greenacastle, and is 0.47 in. less than that at L'Orient. Temperature has risen on our S. and SW coasts but fallen in the north. Thunso is 15° colder than Valencia.

The winds in our Islands have backed, and are chiefly circulating round the region of lowest pressure; being light from the End in Scotland, fresh from SSW and S in the Irish Channel and west of England, and from SW in the S. of Ireland. In the SE. of England they are W^{ly}, but backing; while in the Bay of Biscay the E^{ly} breeze still holds.

The sky has become overcast except in France and south-eastern England. Rain has fallen at the western stations. The sea is moderate in the SW, calm elsewhere.

2 P.M. The barometer continues to fall everywhere, but the wind has moderated at the NW^{ly} stations, and veered slightly at Valencia.

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.
Aug												
31	Corunna	30.34	54	-	NE	3	-	-	-	b	-	4
-	Brussels	30.24	54	-	SSW	1	-	-	-	b	-	-
-	Paris	30.27	49	-	WNW	1	-	-	-	f	-	-
-	Lyonis	30.09	59	-	N	3	-	-	-	f	-	-
-	Heart's Cont ^t	29.75	58	57	SSW	2	3	SSE	3	f c	0.61	3

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870. *September 2nd**Fri. day*

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	—	48	45	WSW	6	6	WSW	—	o z c	—	4
* Skudesnaes ...	29.50	53	51	ESE	6	0	Z	—	o z	—	4
* Oxo (Christiansund)	29.60	53	51	ENE	4	6	SW	—	c o	—	2
Thurso ...	29.06	53	52	SW	2	2	S	7	z	1.09	2
Wick ...	29.07	53	52	WNW	3	4	ESE	8	z	0.92	3
Nairn ...	29.15	53	51	WSW	3	1	NE	8	z o	0.62	3
Aberdeen ...	29.16	55	52	W	1	1	S	3	c	0.54	1
Leith ...	29.24	58	53	SW	4	4	SW	1	c b	0.59	—
Shields ...	29.29	57	53	WSW	3	4	SW	5	c	0.07	2
Scarborough ...	29.37	58	56	SW	5	4	SW	9	o	0.06	4
Yarmouth ...	29.56	60	58	S	4	4	SW	4	c	—	4
Ardrossan ...	29.27	56	53	SW	4	7	SSW	3	z c	0.97	2
Greencastle ...	29.26	53	51	SW	3	3	SW	2	z c	0.34	—
Holyhead ...	29.37	56	54	WSW	3	8	SSW	5	z c	0.56	—
Liverpool ...	29.37	59	56	SE	2	3	SE	8	z o	0.34	1
Valencia ...	29.37	59	58	SW	4	6	SW	8	z p	1.45	5
Crookhaven ...	29.39	59	58	WSW	3	9	SW	9	o z	0.60	3
Roche's Point	29.39	56	54	WSW	3	9	SW	3	z c	0.72	4
Pembroke ...	29.44	57	55	W	4	9	SSW	3	o c	0.24	3
Penzance ...	29.55	60	59	W	3	7	SSW	5	z c	0.41	5
Plymouth ...	29.53	62	61	SW	3	4	S	6	o m	0.18	1
Portsmouth ...	29.55	—	—	SW	6	5	SW	9	c z	0.03	5
Dover ...	29.63	62	61	W	3	3	SW	4	b c	—	3
London ...	29.56	63	60	SW	4	6	SW	9	c o	—	—
Helder ...	29.66	57	—	S	4	—	—	—	—	—	2
Cape Gris Nez	—	—	—	—	—	—	—	—	—	—	—
Brest ...	? —	60	60	SSW	7	7	SSW	9	m	0.12	5
L'Orient ...	29.77	63	63	SW	7	7	SW	9	c z	—	4
Rochefort ...	29.88	63	59	SW	4	5	—	6	b c	—	3
Biarritz ...	—	—	—	—	—	—	—	—	—	—	—
Corunna ...	29.97	65	—	NW	3	—	—	—	c	—	2
Brussels ...	29.74	59	—	SSW	3	—	—	—	c	—	—
Paris ...	29.80	54	—	S	1	—	—	—	o	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	30.00	64	—	N	3	—	—	—	b	—	—
Toulon ...	—	—	—	—	—	—	—	—	—	—	—
Heart's Content (9 a.m. local time.)	30.072	59	56	N	3	4	SW	2	g b	—	3

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...											
Scarborough ...	29.37	64	57	W	5	—	—	2	c b	—	4
Greencastle ...											
Valencia ..	29.38	62	61	N	4	—	—	6	z c	—	4
Penzance ...	29.56	64	59	W	4	—	—	4	c	—	5
London ...	29.50	69	63	SW	3	—	—	6	p 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. *September 3rd**Satur. day*

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Dist. (0 to 1)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	—	53	49	ESE	2	4	NNE	—	o	—	4
* Skudesnaes ...	29.32	54	52	ESE	4	6	SE	—	20	—	4
* Oxo (Christiansand)	29.39	57	55	WSW	4	6	SSE	—	f o	—	2
Thurso ...	29.112	57	50	WSW	5	4	SW	6	c p	0.10	3
Wick ...	29.132	54	51	WNW	6	5	WNW	7	c	0.03	3
Nairn ...	29.242	53	49	W	3	2	SW	6	bc	—	2
Aberdeen ...	29.282	53	50	W	1	4	SW	4	bc	0.12	1
Leith ...	29.322	55	50	NW	5	4	WSW	2	b	0.04	—
Shields ...	29.402	55	50	WNW	4	5	WSW	0	cb	0.21	2
Scarborough ...	29.432	58	55	W	3	5	WSW	4	c	—	3
Yarmouth ...	29.485	59	57	SW	3	4	SSW	3	c	—	3
Ardrossan ...	29.452	55	51	WNW	6	7	SW	4	c g p	0.01	5
Greencastle ...	29.522	53	49	NW	6	6	SW	3	oc	0.08	—
Holyhead ...	29.552	54	52	WNW	6	6	SSW	7	oc	—	—
Liverpool ...	29.492	58	53	NW	3	3	W	6	c	0.02	2
Valencia ...	29.752	57	52	N	6	5	N	4	2c	0.45	5
Crookhaven ...	29.722	57	54	NNW	5	6	WSW	1	bc	—	1
Roche's Point	29.692	55	51	N	4	6	SW	2	o p b	0.05	3
Pembroke ...	29.592	55	52	NW	5	4	SW	7	c	0.09	2
Penzance ...	29.682	59	56	NNW	5	4	SW	6	c	0.11	4
Plymouth ...	29.592	57	57	W	3	4	WSW	4	c m	0.02	1
Portsmouth ...	29.502	—	—	W	1	6	SW	8	o r	0.03	1
Dover ...	29.512	63	61	WSW	1	7	SW	2	cb	0.03	3
London ...	29.512	61	59	W	2	4	SW	9	p b o	0.03	—
Helder ...	29.50	62	—	SW	6	—	—	—	—	—	2
Cape Gris Nez	—	—	—	—	—	—	—	—	—	—	—
Brest ...	29.652	60	58	W	4	5	SSW	9	o	0.08	5
L'Orient ...	29.732	62	62	W	7	7	—	5	oc	0.67	?
Rochefort ...	29.83	65	63	W	7	5	W	—	—	0.47	4
Biarritz ...	29.962	65	61	S	3	3	W	7	c f	—	5
Corunna ...	30.04	68	—	NE	3	—	—	—	c f	—	2
Brussels ...	29.60	61	—	S	3	—	—	—	o	—	—
Paris ...	29.65	62	—	SW	7	—	—	—	o	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	29.89	69	—	S	4	—	—	—	o	—	—
Toulon ...	30.052	63	—	SSE	1	3	SE	7	c m	—	2
Heart's Content (9 a.m. local time.)	30.232	62	58	SSW	1	3	W	4	c	—	2

2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Thurso ...	—	—	—	—	—	—	—	—	—	—	—
Scarborough ...	29.55	62	54	NW	3	—	—	5	c	—	3
Greencastle ...	—	—	—	—	—	—	—	—	—	—	—
Valencia ..	29.89	59	52	N	5	—	—	3	2c	—	5
Penzance ...	—	—	—	—	—	—	—	—	—	—	—
London ...	29.63	65	59	NW	2	—	—	7	p 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 12 hours. **THERMOMETER.** dry and wet, exposed in shade. **WIND.** EXTREME FORCE with its Direction, during last 24 hours. **Z.**—
WEATHER: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squall;
 s.—snow; t.—thunder. **RAIN-FALL:** (snow or hail melted), during last 24 hours. **SEA DISTURBANCE:** 0—dead calm; 9—extreme

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

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

REMARKS.

Satur. day

The barometer has now risen except at the C^E station, where there has been a further slight fall. At Valencia the rise amounts to exactly 0.4 in., and the reading is 0.64 in. above that at Huron, and 0.27 in. above that at Yarmouth.

Temperatures has fallen slightly in England and Ireland.

The winds have veered to NW and freshened somewhat on our N. and W. coasts, but are light from W. in the Channel and fresh from SW at Helder.

The weather is generally showery and rather unsettled, and the amount of cloud variable. The sea is moderate on the NW coasts, nearly calm elsewhere.

2. pm — An increase of pressure is now reported on our SE coast, and winds have veered a little but are only light.

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.
Sept												
2 nd	Comuna	29.97	65	1	NW	3	-	-	-	c	-	2
-	Brunels	29.74	59	-	SSW	3	-	-	-	c	-	-
-	Paris	29.80	54	-	S	1	-	-	-	o	-	-
-	Lyon	30.00	64	-	N	3	-	-	-	b	-	-
-	Hecate Cont.	30.072	59	56	W	3	4	SW	2	f b	-	3

EIGHT A.M.

WEATHER REPORT. 1870.

September 4th

Sun-day

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Dist. (0 to 10)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
*Christiansund	—	52	51	Z	0	0	Z	—	o	—	2
*Skudesnaes ...	29.49	52	50	NW	8	4	WSW	—	ocr	—	—
*Oxo (Christiansand)	29.52	52	50	WSW	4	2	SSW	—	orb	—	—
Thurso ...	29.54r	52	47	WSW	3	6	W	2	cb	0.22	3
Wick ...	29.58r	56	51	W	6	7	WNW	7	c	—	3
Nairn ...	29.63r	54	49	W	3	5	W	3	bc	—	2
Aberdeen ...	29.68r	52	48	WSW	3	4	W	3	bc	—	1
Leith ...	29.72r	55	50	W	5	3	W	2	b	—	—
Shields ...	29.80r	54	49	SSW	2	4	NW	5	c	—	2
Scarborough...	29.89r	57	53	W	4	3	WNW	3	c	—	4
Yarmouth ...	29.99r	62	58	WSW	3	3	NW	3	c	—	3
Ardrossan ...											
Greencastle ...	29.67f	53	51	SW	7	5	NW	9	ro	0.27	—
Holyhead ...	29.87r	55	52	SSW	5	6	WNW	5	c	—	—
Liverpool ...	29.87r	55	51	SW	1	2	NW	2	cb	—	1
Valencia ...	29.74f	57	54	S	6	4	N	6	p	0.12	5
Crookhaven ...	29.80f	61	58	SW	6	6	SW	7	bo	—	2
Roche's Point	29.84f	59	56	SW	5	5	SW	6	pc	0.82	4
Pembroke ...	29.42r	58	53	SSW	3	5	WNW	3	c	—	2
Penzance ...	30.01r	61	57	SSW	3	5	NW	7	c	—	3
Plymouth ...	30.00r	56	54	SW	3	4	NW	1	cb	—	0
Portsmouth ...	30.01r	—	—	W	3	5	NW	4	c	0.10	2
Dover ...	30.01r	59	57	W	3	3	W	0	c/pb	0.20	2
London ...	30.01r	58	56	W	3	4	W	3	pcb	0.26	—
Helder ...											
Cape Gris Nez	30.00r	56	52	W	3	4	W	4	oc	0.20	5
Brest ...											
L'Orient ...	30.08r	58	58	SSW	1	5	WNW	6	c	—	3
Rochefort ...											
Biarritz...	30.14r	63	59	S	1	5	WSW	8	o	—	6
Corunna ...	30.14	67	—	NW	3	—	—	—	c	—	4
Brussels ...	30.00	58	—	SSW	3	—	—	—	c	—	—
Paris ...											
Strasbourg ...											
Lyons ...	30.11	67	—	W	3	—	—	—	c	—	—
Toulon...	30.08r	66	59	NW	3	1	SSE	1	mb	—	3
Heart's Content (9 a.m. local time.)	30.22f	66	60	SSW	1	1	SSW	4	bc	—	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 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 3 p.m.

Se Dist to	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
2	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

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EIGHT A.M.

WEATHER REPORT. 1870. *September 5**Monday*

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	29.56	50	47	ESE	4	2	SSE	—	o 26	—	4
*Skudesnaes ...	29.64	—	—	ESE	6	6	W	—	co	—	4
*Oxo (Christiansand)	29.73	54	53	SSW	4	4	SW	—	6 21	—	3
Thurso ...	29.22	55	53	S	2	3	S	2	o 8	0.12	1
Wick ...	29.24	58	54	SSE	4	4	W	5	c	0.05	3
Nairn ...	29.24	60	55	SW	2	4	W	1	eb	0.05	1
Aberdeen ...	29.34	51	50	S	3	6	S	4	c	0.06	2
Leith ...	29.33	62	56	SW	4	5	NW	0	b	0.13	—
Shields ...	29.45	57	55	S	4	3	SW	8	co	—	2
Scarborough ...	29.56	59	57	SW	6	4	SW	9	co	0.02	4
Yarmouth ...	29.77	61	60	S	4	4	S	5	c	—	4
Ardrossan ...	29.35	58	55	S	4	10	WSW	4	gpc	0.44	4
Greencastle ...	29.18	56	53	S	7	8	SSW	8	o	0.21	—
Holyhead ...	29.47	59	58	SSW	6	7	SSW	9	co	0.28	—
Liverpool ...	29.50	60	57	W	2	2	W	8	co	0.16	1
Valencia ...	29.40	57	56	SW	6	7	SW	6	lp	0.13	6
Crookhaven ...	29.38	59	56	WSW	7	7	WSW	9	o	0.04	4
Roche's Point	29.44	58	57	SW	8	9	SSW	7	20	0.52	6
Pembroke ...	29.54	59	57	SW	5	8	S	9	20	0.34	4
Penzance ...	29.67	61	60	WSW	4	6	S	8	o	0.44	5
Plymouth ...	29.69	60	60	S	3	4	S	9	co	0.17	4
Portsmouth ...	29.76	—	—	SW	8	4	W	9	co	—	6
Dover ...	29.75	62	61	SW	5	3	WSW	2	b	—	4
London ...	29.77	63	59	SW	4	6	SW	9	co	—	—
Helder ...	29.91	55	—	?	6	—	—	—	—	—	2
Cape Gris Nez	29.89	58	56	SW	5	4	W	5	cb	—	5
Brest ...	—	—	—	—	—	—	—	—	—	—	—
L'Orient ...	29.88	64	62	SW	5	5	SW	6	c	—	4
Rochefort ...	29.98	59	57	ESE	4	4	WSW	0	cb	—	3
Biarritz ...	—	—	—	—	—	—	—	—	—	—	—
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	30.03	71	58	SW	1	4	WSW	0	b	—	1
Heart's Content (9 a.m. local time.)	29.84	63	62	WNW	4	4	SW	9	og	0.14	5

2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Thurso ...	29.13	60	55	S	2	—	—	4	cr	—	2
Scarborough ...	29.51	65	59	SW	6	—	—	4	c	—	4
Greencastle ...	—	—	—	—	—	—	—	—	—	—	—
Valencia ...	29.44	58	57	WSW	3	—	—	4	fo	—	4
Penzance ...	29.63	60	58	SSW	4	—	—	9	o 2	—	3
London ...	29.70	64	62	SW	3	—	—	9	o 2	—	—
Rochefort ...	—	—	—	—	—	—	—	—	—	—	—

EXPLANATION OF THE COLUMNS.

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

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

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EIGHT A.M.

WEATHER REPORT. 1870.

Tues. day

September 6th

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	29.23	55	50	ESE	4	4	ESE	—	c	—	3
* Skudesnaes ...	29.34	55	53	S	6	6	S	—	no	—	7
* Oxo (Christiansand)	29.42	54	53	S	6	6	SSW	—	2	—	5
Thurso ...	29.26r	54	50	WSW	3	2	SSW	2	cb	0.03	2
Wick ...	29.29r	56	52	WSW	4	4	SSW	3	c	—	3
Nairn ...	29.32r	55	52	WSW	2	3	NW	6	c	—	2
Aberdeen ...	29.37r	54	50	WSW	1	6	S	?	c	0.02	2
Leith ...	29.38r	57	53	N	2	5	SW	2	b	0.01	—
Shields ...	29.43r	56	53	SW	3	7	WSW	0	c, b	0.02	1
Scarborough ...	29.50s	56	54	SW	3	6	SW	3	c	0.04	2
Yarmouth ...	29.54f	61	60	SSW	3	4	SSW	6	c	0.14	3
Ardrossan ...	29.40r	54	51	ENE	2	8	SSW	4	c	0.05	2
Greencastle ...	29.35s	52	51	ESE	1	4	SW	2	cb	0.06	—
Holyhead ...	29.39f	58	56	SSW	5	7	SSW	7	o-c	0.06	—
Liverpool ...	29.43f	58	56	S	3	4	SW	6	oc	0.12	1
Valencia ...	29.36f	56	53	NNW	3	3	SE	5	lcp	0.33	3
Crookhaven ...	29.35f	57	54	WNW	4	7	WSW	1	oc	0.16	2
Roche's Point	29.33f	56	54	WSW	7	8	SW	5	lpc	0.12	5
Pembroke ...	29.41f	58	55	SSW	4	7	SSW	8	g, o	0.29	3
Penzance ...	29.49f	58	57	SW	2	5	S	8	or	0.08	4
Plymouth ...	29.52f	60	59	S	2	3	S	9	o	0.16	1
Portsmouth ...	29.54f	—	—	SW	3	7	SW	9	no	0.33	2
Dover ...	29.60f	62	62	WSW	2	3	W	4	bc	0.25	2
London ...	29.58f	60	58	SSW	1	5	SW	9	no	0.22	—
Helder ...	29.61	63	—	SSW	6	—	—	—	—	—	2
Cape Gris Nez	29.63f	61	61	SW	7	5	SSW	9	br	0.47	4
Brest ...	29.57f	60	60	SSW	4	7	SSW	9	o	0.20	4
L'Orient ...	29.67f	57	57	WSW	1	7	SW	9	or	0.43	5
Rochefort ...	29.72f	64	62	S	3	5	SW	9	bo	—	3
Biarritz ...	29.71f	65	63	SE	4	5	S	8	mo	—	4
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	30.06f	66	61	E	4	1	SW	4	bc	—	2
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Thurso ...	29.31	58	53	NNE	1	—	—	4	bc	—	1
Scarborough ...	29.43	66	59	SW	2	—	—	6	c	—	2
Greencastle ...	—	—	—	—	—	—	—	—	—	—	—
Valencia ..	29.34	59	55	SW	4	—	—	4	lpc	—	3
Penzance ...	29.46	62	57	WSW	3	—	—	6	oc	—	4
London ...	29.52	63	60	S	2	—	—	9	no	—	—
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 pressure has again been very unsteady during the past day, but is now slightly higher in the north and lower in the south than it was yesterday morning. Pressure is comparatively uniform in our Islands; the greatest difference between any two readings being 0.34 in. (Dover to Thurso).

Temperature has fallen slightly.

It blew hard from SW at Ardrossan and Roche's Pt. yesterday. The wind has now fallen light except at the latter station; and in the more western parts of the Kingdom appears to be circulating round a slight barometrical depression over Ireland.

On our east coast it is SW⁴ and E⁴ in Norway.

Rain has been general, with thunder and lightning in the south of Ireland. The sky is very cloudy in the south but clearer elsewhere. The sea is disturbed in the south-west, and high on the Norwegian coast.

The barometer is still rising slowly in the north and falling a little in the S. The wind has backed to WSW at Valencia, but moderated at Roche P^t.

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.
SEPTA												
5 TH	Corunna	29.90	69	-	NW	3	-	-	-	c	-	2
-	Brussels	29.99	58	-	SSW	3	-	-	-	c	-	-
-	Paris	30.11	52	-	-	1	-	-	-	c	-	-
-	Lyon	30.12	63	-	S	3	-	-	-	c	-	-
-	Hearts Content	29.847	63	62	WNW	4	4	SW	9	o g	0.14	5

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870.

Wednesday

September 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	29.31	50	48	ESE	2	2	WSW	—	o	—	4
*Skudesnaes ...	29.02	50	50	NW	6	0	Z	—	z	—	4
*Oxo (Christiansand)	28.97	54	54	SSE	8	2	SSE	—	cot	—	5
Thurso ...											
Wick ...	29.18f	54	53	ESE	2	3	WSW	8	co	0.03	3
Nairn ...	29.17f	54	51	WSW	1	2	WSW	5	c	—	1
Aberdeen ...	29.21f	55	52	SW	1	3	SE	0	cb	0.06	1
Leith ...	29.20f	57	52	W	3	4	S	4	c	—	—
Shields ...	29.27f	54	51	SW	2	3	SSW	3	c	—	1
Scarborough...	29.34f	56	54	SW	3	3	SW	6	bc	0.27	2
Yarmouth ...	29.44f	57	56	SSW	3	3	S	5	zc	0.28	4
Ardrossan ...	29.23f	57	52	SSE	1	3	NW	3	c	0.06	1
Greencastle ...	29.25f	52	50	SW	1	1	NE	5	oc	0.50	—
Holyhead ...	29.25f	54	53	SSW	3	6	SSW	7	cp	0.17	—
Liverpool ...	29.27f	56	54	S	3	3	S	3	c	0.05	2
Valencia ...	29.37f	53	51	NE	3	4	SW	3	p	0.05	3
Crookhaven ...	29.29f	54	52	WNW	1	4	WSW	1	pc	0.25	0
Roche's Point	29.30f	53	50	W	3	7	WSW	2	c/pb	0.05	3
Pembroke ...	29.26f	54	50	W	4	5	SSW	7	c/p	0.04	3
Penzance ...	29.36f	59	57	W	2	4	S	2	b	0.18	3
Plymouth ...	29.36f	58	56	W	2	2	SSW	9	om	0.03	0
Portsmouth ...	29.38f	—	—	SW	4	3	WSW	9	o	0.38	3
Dover ...	29.46	59	58	SW	6	6	SW	5	q/p	0.21	5
London ...	29.41f	56	55	S	3	4	SW	9	ro	0.33	—
Helder ...	29.52	59	—	SSW	4	—	—	—	—	—	—
Cape Gris Nez	29.512	57	57	SW	7	8	WSW	8	zo	0.51	5
Brest ...	29.42f	56	56	—	—	—	—	9	o	0.16	5
L'Orient ...	29.45f	54	54	WNW	4	7	WSW	9	z	0.63	5
Rochefort ...											
Biarritz...	29.63f	71	58	S	7	8	W	8	cm	0.12	5
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...	29.91f	64	65	SE	4	5	E	6	cm	—	5
Heart's Content (9 a.m. local time.)	29.59f	53	49	WNW	2	6	W	2	cb	—	3

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...	29.18	55	33	ENE	2	—	—	5	zc	—	2
Scarborough...	29.27	62	56	SW	4	—	—	7	c	—	2
Greencastle ...	29.30	53	51	NW	1	—	—	8	z	—	—
Valencia ...	28.99	57	54	N	4	—	—	7	hep	—	3
Penzance ...	28.99	57	54	N	4	—	—	7	hep	—	3
London...	29.35	57	55	S	2	—	—	9	z	—	—
Rochefort ...											

EXPLANATION OF THE COLUMNS.

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

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

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

REMARKS.

Wednesday

The barometer continues to fall, especially in Norway where the change amounts to 0.4 in since yesterday morning. In the south of Ireland, however, a slight recovery has commenced during the night. Readings are now very low in the north of Scotland and Norway, but comparatively uniform, the reading at Oslo exceeding that at Valencia by 0.40 in: and that at Helder by 0.57 in.

Temperature has generally fallen.

Winds have veered slightly in the west. In force they continue moderate over these Islands, but are fresh to strong in Norway.

Rain has again been general, and thunder is reported from Scarborough. The sky continues very cloudy. The sea is moderate generally, disturbed on the Norwegian coast and at Dover. Our French reports have not yet arrived - 11.40 a.m.

2. pm

The barometer continues to fall in the East, and rise in the West. The wind is still light and has backed slightly at Valencia, but is unchanged elsewhere.

CORRECTIONS AND ADDITIONS TO PREVIOUS REPORTS.

Reports received too late for insertion in their proper places.

Date.	Station.	Bar.	Temp.		Wind.		Extreme.		Cloud.	Weather.	Rain.	Sea.
SEPT 5												
6 TH	Cape Gris Nez	29.63 f	61	61	SW	7	5	SSW	9	br	0.47	4
---	L'Orient	29.67 f	57	57	?WSW	1	7	SW	9	ot	0.43	5
---	Roche fort	29.72 f	64	62	S	3	5	SW	9	bo	—	3
---	Biarritz	29.71 f	65	63	SE	4	5	S	8	mo	—	4
---	Toulon	30.06 f	66	61	E	4	1	SW	4	bc	—	2
---	Heart's Content	29.66 f	63	61	SSW	1	4	SW	9	ogt	0.20	2

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870.

September 8th

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. (3 to 12.)	Direction.				
*Christiansund	29.38	50	47	ESE	4	8	SW	—	ob	—	4
*Skudesnaes ...	29.21	52	51	?E	6	2	?	—	bo	—	3
*Oxo (Christiansand)	29.19	53	52	?NE	8	4	SSW	—	ct	—	3
Thurso ...											
Wick ...	29.46r	49	47	NNW	6	3	ESE	8	lo	—	3
Nairn ...	29.54r	50	47	NW	2	2	WSW	6	bc	0.05	1
Aberdeen ...	29.45r	50	47	NNW	6	1	SSE	6	bc	0.10	3
Leith ...	29.49r	52	49	NNW	4	3	SW	5	c	—	—
Shields ...	29.46r	52	50	NW	2	2	WNW	5	c	—	1
Scarborough...	29.44r	53	51	W	5	5	W	5	rc	0.52	4
Yarmouth ...	29.52r	53	51	W	5	5	W	5	rc	0.52	4
Ardrossan ...	29.58r	52	47	NW	5	2	SW	3	c	0.06	4
Greencastle ...	29.64r	52	49	WSW	1	4	NW	8	rc	0.38	—
Holyhead ...	29.67r	52	49	WNW	5	4	WNW	5	c	—	—
Liverpool ...	29.60r	53	50	W	4	3	W	6	c	0.04	3
Valencia ...	29.73r	56	54	N	2	4	N	8	lop	0.09	2
Crookhaven ...	29.77r	57	55	SW	1	4	NW	8	bc	—	0
Roche's Point	29.74r	52	51	WNW	1	6	NW	4	q, bc	0.02	1
Pembroke ...	29.72r	55	51	WNW	4	5	WNW	7	pc	0.02	1
Penzance ...	29.84r	58	54	NW	2	4	WNW	3	c	0.03	2
Plymouth ...	29.79r	53	53	W	1	3	NW	4	cf	0.04	0
Portsmouth ...	29.72r	—	—	NW	4	4	SW	5	oc	0.26	3
Dover ...	29.69r	53	53	WSW	3	3	SW	1	q, pb	0.43	2
London ...	29.67r	53	50	W	4	4	S	1	rlb	0.41	—
Helder ...	29.40	56	—	WSW	7	—	—	—	—	—	5
Cape Gris Nez	29.64r	55	55	W	5	5	S	3	rc	0.51	5
Brest ...	29.84r	59	59	WNW	4	5	WNW	4	oc	0.04	5
L'Orient ...	29.93r	57	55	WNW	7	7	WNW	5	bc	0.59	5
Rochefort ...	30.01r	62	58	W	7	8	W	5	tc	0.35	5
Biarritz...											
Corunna ...	29.65	66	—	SW	4	—	—	—	c	—	1
Brussels ...	29.61	54	—	SSW	3	—	—	—	b	—	—
Paris ...											
Strasbourg ...											
Lyons ...	30.02	62	—	?WSW	3	—	—	—	c	—	—
Toulon...											
Heart's Content (9 a.m. local time.)	30.23r	49	48	NNE	4	7	NE	4	ome	0.51	1

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...	29.53	51	46	?N	4	—	—	4	c	—	2
Scarborough...	29.61	59	53	NW	2	—	—	5	c	—	3
Greencastle ...	29.54	58	53	SSW	1	—	—	4	c	—	—
Valencia ...	29.59	60	57	S	6	—	—	8	fo	—	5
Penzance ...											
London...	29.76	63	54	W	4	—	—	6	bc	—	—
Rochefort ...											

EXPLANATION OF THE COLUMNS.

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

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

REMARKS.

Thursday

The barometrical depression which existed over Scotland yesterday has moved eastwards and is now over the North Sea. Readings have consequently recovered briskly at all stations, but that at Penzance is 0.44 in. higher than that at Helder.

Temperature has fallen somewhat except in the west, where it has risen slightly.

The winds have veered to NW on all our coasts and are moderate in Gt Britain, but light in Ireland — where a tendency to "back" again, with showers, is reported. At Helder a strong WSW breeze is blowing, and strong E. winds in Norway.

Rain has fallen at most stations especially in the south-east of England. Lightning occurred in the south of Ireland and in London last night. The sky has now cleared somewhat. The sea is disturbed on our south-east coast and at Brest.

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.
SEPT ^r												
7 TH	Cape Gris nez	29.57r	57	57	SW	7	8	WSW	8	ro	0.51	5
"	Brest	29.42f	56	56	—	—	—	—	9	o	0.16	5
"	L'orient	29.45f	54	54	WNW	4	7	WSW	9	r	0.63	5
"	Biarritz	29.63f	71	58	S	7	8	W	8	bm	0.12	5
"	Brussels	29.63	58	—	SW	3	—	—	—	c	—	—
"	Lyon	29.76	64	—	SW	3	—	—	—	c	—	—
"	Toulon	29.91f	67	65	SE	4	5	E	6	cm	—	5
"	Heart's Content	29.59f	53	49	WNW	2	6	W	2	cb	—	5

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870.

Friday

September 9th

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.04	49	48	SSW	4	4	NE	—	rs	—	4
* Skudesnaes ...	29.24	51	48	WNW	6	6	N	—	r	—	3
* Oxo (Christiansund)	29.16	52	48	W	6	6	ENE	—	rs	—	2
Thurso ...											
Wick ...	29.23f	50	49	ESE	5	4	NNW	8	r	—	3
Nairn ...	29.11f	50	49	SE	4	1	NW	8	bo	0.40	1
Aberdeen ...	29.11f	52	50	E	7	1	NNW	9	bt	—	6
Leith ...	29.05f	51	50	S	5	4	W	7	bc	0.14	—
Shields ...	29.16f	54	53	SSE	3	3	NW	8	bo	0.06	2
Scarborough ...	29.24f	55	54	SSW	2	3	NW	9	co	0.06	3
Yarmouth ...	29.37f	59	58	SW	4	5	W	4	a	0.11	3
Ardrossan ...	29.44f	58	55	SSW	6	7	SSW	6	c	0.27	5
Greencastle ...	29.83f	55	52	SSW	8	5	ENE	9	r	0.15	—
Holyhead ...	29.18f	58	56	SSW	6	5	WSW	7	c	0.13	—
Liverpool ...	29.18f	59	55	W	4	4	W	6	r	0.05	1
Valencia ...	29.32r	55	52	W	7	7	S	5	bcp	0.25	7
Crookhaven ...	29.32f	58	54	NW	7	9	NW	7	rc	0.25	4
Roche's Point	29.29f	57	54	W	9	9	SSW	7	rc	0.40	6
Pembroke ...	29.29f	59	56	WSW	7	7	SE	4	rc	0.34	5
Penzance ...	29.44f	61	59	SW	1	7	SW	9	r	1.36	7
Plymouth ...	29.44f	60	59	W	3	3	NW	9	cr	0.39	2
Portsmouth ...	29.44f	—	—	W	6	4	W	9	co	0.34	5
Dover ...	29.44f	61	61	SW	5	2	WSW	6	bmc	0.18	4
London ...	29.41f	62	59	SW	6	8	SW	7	bge	0.16	—
Helder ...	29.50	54	—	S	7	—	—	—	—	—	2
Cape Gris Nez											
Brest ...	29.63f	59	59	SW	7	8	SSE	9	rs	0.16	6
L'Orient ...	29.71f	64	64	SW	8	8	SW	9	r	0.63	7
Rochefort ...	29.94f	66	64	? N	7	7	W	9	co	0.12	4
Biarritz ...	30.05f	70	65	S	3	8	W	3	rc	—	3
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...	30.15r	62	57	SW	3	7	WNW	0	b	—	2
Heart's Content (9 a.m. local time.)	30.22f	51	48	SW	3	4	NNE	2	cl	—	4

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...											
Scarborough ...	29.22	63	56	W	5	—	—	4	c	—	4
Greencastle ...											
Valencia ...	29.45	55	50	W	9	—	—	5	rc	—	7
Penzance ...	29.52	60	58	W	5	—	—	7	rc	—	6
London ...	29.42	69	60	WSW	4	—	—	8	oc	—	—
Rochefort ...											

EXPLANATION OF THE COLUMNS.

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

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

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

REMARKS.

Fri-day

The decrease in pressure which had commenced in Ireland has continued with rapidity during the night, and extended to all coasts.

The reading at Greenecastle (28.83 ins.) is eight tenths of an inch lower than it was yesterday morning and 0.88 in. less than that at L'orient.

Temperature has risen at nearly all stations — principally in England.

The winds have varied considerably in direction during the past day, and are now circulating round the low pressure in the north-west; — being strong from W in the south of Ireland, fresh from SW and S in the Irish Channel and England, and fresh to strong from SE and E in Scotland.

Rain has fallen on all coasts, heavily at Fingane. The sky is cloudy and the weather very unsettled. The sea is generally rough, — very high at Falmouth, Fingane and Aberdeen.

Warnings issued to the west coasts yesterday afternoon, and to all coasts to-day.

2 P.M. The barometer is rising again in the W and S., with westerly winds, which still blow a hard gale in the S. of Ireland. Our northern reports have not yet arrived.

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.
SEPT 5												
8 th	Cape Gris Nez	29.67	55	55	W	5	5	S	3	rc	0.57	4
"	L'orient	29.43	57	55	WNW	7	7	WNW	5	bc	0.59	5
"	Rocheport	30.01	62	58	W	7	8	W	5	lc	0.35	5
"	Corunna	29.65	66	—	SW	4	—	—	—	c	—	1
"	Brunels	29.61	54	—	SSW	3	—	—	—	b	—	—
"	Lyons	30.02	62	—	WSW	3	—	—	—	c	—	—
"	Heart's Content	30.23	49	48	NNE	4	7	NE	4	omc	0.57	1
"	Correction.											
"	Wick	—	—	—	—	6	—	—	8	lo	—	3

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870.

September 10th

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	28.70	48	47	WSW	10	10	W	—	no	—	4
*Skudesnaes ...	29.05	48	45	ENE	6	0	Z	—	oc	—	—
*Oxo (Christiansand)	29.06	50	49	W	2	2	NNW	—	oc	—	2
Thurso ...	29.27r	52	49	NNE	4	5	E	7	tc	0.46	3
Wick ...	29.28r	52	51	N	4	8	ESE	8	ro	0.75	4
Nairn ...	29.31r	50	48	ENE	4	6	SE	9	o	0.11	5
Aberdeen ...	29.23r	53	50	N	5	2	S	6	c	0.37	5
Leith ...	29.18r	52	48	NW	5	8	SW	8	bo	0.56	—
Shields ...	29.03f	52	51	WNW	6	8	W	8	co	0.06	3
Scarborough ...	29.10f	55	51	W	6	5	W	7	c	—	4
Yarmouth ...	29.42r	55	51	WSW	8	8	WSW	3	c	—	5
Ardrossan ...	29.33r	54	49	NW	5	10	SW	7	tc	0.80	5
Greencastle ...	29.50r	53	50	N	5	10	SW	8	o	0.36	—
Holyhead ...	29.46r	54	51	WSW	9	7	SSW	9	co	—	—
Liverpool ...	29.30r	55	52	SSE	8	9	SSE	5	o	0.10	4
Valencia ...	29.84r	56	52	WNW	8	10	WNW	4	py	0.03	8
Crookhaven ...	29.81r	55	50	NW	6	10	WNW	4	bc	0.06	2
Roche's Point	29.77r	54	50	W	7	9	W	3	gc	0.05	5
Pembroke ...	29.64r	55	50	W	9	10	W	5	c	0.04	6
Penzance ...	29.87r	58	52	NW	7	5	W	4	oc	0.06	5
Plymouth ...	29.82r	57	53	NW	3	4	W	6	oc	0.13	3
Portsmouth ...	29.68r	—	—	W	9	8	W	4	c	—	8
Dover ...	29.64r	58	58	WSW	7	7	WSW	1	cb	0.03	6
London ...	29.60r	55	50	W	8	9	W	4	rgc	0.22	—
Helder ...	29.41	57	—	SW	8	—	—	—	—	—	7
Cape Gris Nez											
Brest ...											
L'Orient ...	30.012	58	56	E	5	7	?WSW	7	c	0.47	7
Rochefort ...											
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...	30.07f	60	64	SW	1	1	SW	0	6	—	1
Heart's Content (9 a.m. local time.)	30.04f	52	51	SSW	2	6	WSW	8	co	—	3

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...											
Scarborough ...											
Greencastle ...											
Valencia ..	29.97	58	52	NNW	6			4	p		5
Penzance ...											
London ...	29.77	62	53	W	8			8	gco		—
Rochefort ...											

EXPLANATION OF THE COLUMNS.

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Sea
Dist
0 to

Sea
Dist
0 to

The barometrical depression which existed in the north-west yesterday has passed eastwards and is over the North Sea. Pressure has consequently recovered rapidly at most stations especially in the west - and the reading at Valencia exceeds that at Shields by 0.81 in.

Temperature has fallen somewhat except in Scotland and is rather uniform.

rather uniform. Since yesterday it has blown a hard gale from SW and W at nearly all the English and Irish stations and from E in parts of Scotland. The wind circulates round the depression in the

W at nearly all the English and Irish stations and from E in parts of Scotland. The wind circulates round the depression in the north-east and still blows very hard in the west and south of England.

The sky is moderately clear in the south of our Islands,
but cloudy elsewhere. Rain has been general, and the

but cloudy elsewhere -
weather is still unsettled

Rain has been general, and the

weather is still unsettled -
high at Valencia and Portsmouth

The sea is generally rough - very

2 P.M. At Valencia and London the barometer continues to rise with a veering and decreasing wind. No other reports have arrived - 4 p.m.

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.
SEPT ⁸												
9 TH	Rocheport	29.937	66	64	N	7	7	W	9	co	0.12	4
10 TH	Biarritz	30.057	70	65	S	3	8	W	3	rc	—	3
11 TH	Heart's Content	30.226	51	48	SW	3	4	NNE	2	cb	—	4

Meteorological Office,

ROBERT H. SCOTT.

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870.

September 11th

Sun-day

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturbance (0 to 9)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
*Christiansund	29.46	46	44	WSW	8	8	WSW	—	ro	—	6
*Skudesnaes ...	29.42	46	44	NW	6	6	NW	—	r	—	4
*Oxo (Christiansand)	29.60	50	44	W	6	6	W	—	c	—	3
Thurso ...	29.41r	47	43	SW	?	5	NNE	4	c	0.07	4
Wick ...	29.46r	51	46	WSW	5	5	WNW	7	oc	0.04	3
Nairn ...	29.47r	48	44	NW	4	7	NE	8	o	0.07	3
Aberdeen ...	30.03r	47	43	W	1	2	N	1	cb	0.08	2
Leith ...	30.03r	52	48	NNW	2	5	NNW	2	ob	—	—
Shields...											
Scarborough...	30.10r	55	52	NW	2	6	NW	7	c	0.11	3
Yarmouth ...	30.12r	58	54	W	3	8	W	0	cb	—	3
Ardrossan ...	30.09r	52	49	SSE	1	4	NNW	2	cb	—	?
Greencastle ...	30.08r	54	50	SW	2	3	NNW	6	oc	0.08	—
Holyhead ...	30.17r	56	52	WSW	1	7	WNW	5	c	—	—
Liverpool ...	30.10	55	51	W	3	6	W	5	c	0.20	2
Valencia ...	30.16r	53	57	S	1	6	SW	8	ro	0.07	1
Crookhaven ...	30.14r	54	53	SE	1	?	WNW	9	bc	—	0
Roche's Point	30.15r	56	52	NW	2	6	NW	3	c	—	2
Pembroke ...	30.14r	55	52	Z	0	9	WNW	3	c	0.07	3
Penzance ...	30.22r	57	53	NW	2	6	NW	9	co	—	2
Plymouth ...	30.18r	52	51	Z	0	4	WNW	1	cf	—	0
Portsmouth ...	30.17r	—	—	Z	0	4	WNW	5	c	—	0
Dover ...	30.15r	58	57	NW	2	6	WSW	1	b	—	2
London ...	30.16r	53	57	WNW	3	4	WSW	3	bc	—	—
Helder ...											
Cape Gris Nez											
Brest ...	30.17r	55	55	NE	3	4	WNW	9	of	—	3
L'Orient ...	30.22r	53	53	ENE	3	5	WNW	8	cm	—	2
Rochefort ...	30.15r	58	56	E	4	5	NW	4	oc	—	2
Biarritz...	—	62	—	E	4	5	N	7	of	—	—
Corunna ...	30.00	67	—	?NE	3	—	—	—	ob	—	4
Brussels ...	30.14	53	—	SW	3	—	—	—	b	—	—
Paris ...											
Strasbourg ...											
Lyons ...	30.24	68	—	N	3	—	—	—	o	—	—
Toulon...	30.11r	70	65	SW	1	1	SW	0	b	—	2
Heart's Content (9 a.m. local time.)	29.85f	57	54	SW	2	5	SSW	5	c	—	3

2 P.M. REPORT.

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

day

Reports received too late for insertion in their proper places.

DIRECTOR,

EIGHT A.M.

WEATHER REPORT. 1870. *September 12th**More day*

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	S. Dist. (0 to 10)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.85	43	40	SSE	2	6	W	—	o2b	—	6
* Skudesnaes ...	29.90	49	47	SSE	6	6	WNW	—	o	—	4
* Oxo (Christiansand)	29.99	46	43	SW	2	4	WNW	—	b	—	1
Thurso ...	29.59	53	51	S	1	2	SSW	6	oc	—	1
Wick ...	29.62	54	52	SSW	4	5	SSW	7	c	—	3
Nairn ...	29.63	55	52	W	2	4	NW	8	co	—	1
Aberdeen ...	29.71	52	51	SSW	3	4	SSW	9	er	0.03	3
Leith ...	29.75	56	53	W	6	5	W	8	bo	0.01	—
Shields ...	29.94	51	49	WSW	2	2	SW	6	c	—	2
Scarborough ...	30.01	51	49	SSW	2	3	SE	9	co	—	2
Yarmouth ...	30.13	51	50	WSW	3	3	ENE	3	c	—	3
Ardrossan ...	29.88	57	54	WSW	5	8	S	7	pg	0.16	5
Greencastle ...	29.86	54	52	WSW	3	5	SW	5	oc	0.22	—
Holyhead ...	30.02	56	54	SSW	4	3	SSW	9	co	—	—
Liverpool ...	30.01	55	52	W	2	3	W	7	co	—	2
Valencia ...	30.14	57	55	W	4	4	SW	4	re	0.15	3
Crookhaven ...	30.10	56	55	W	5	4	W	9	bo	—	2
Roche's Point	30.08	56	53	WSW	3	3	SW	7	c	—	2
Pembroke ...	30.11	57	54	SW	4	4	WSW	7	oc	—	3
Penzance ...	30.22	57	50	WNW	2	3	WNW	5	c	0.04	2
Plymouth ...	30.20	52	51	X	0	2	W	7	ef	—	0
Portsmouth ...	30.17	—	—	WNW	1	1	WSW	5	c	—	1
Dover ...	30.17	58	57	W	2	2	NW	2	eb	—	2
London ...	30.16	55	52	WSW	2	3	W	4	be	—	—
Helder ...	30.14	52	—	—	—	—	—	—	—	—	—
Cape Gris Nez	30.19	56	54	W	1	1	W	6	be	—	1
Brest ...	30.18	54	54	NNE	1	4	NNW	8	be	—	3
L'Orient ...	30.25	50	50	E	3	3	E	3	oc	—	2
Rochefort ...	30.16	56	54	NE	5	5	SW	0	b	—	3
Biarritz ...	30.08	66	62	SSE	1	4	E	5	cf	—	5
Corunna ...	30.01	68	—	NW	3	—	—	—	c	—	4
Brussels ...	30.26	51	—	ENE	3	—	—	—	b	—	—
Paris ...	30.24	51	—	S	2	—	—	—	c	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	30.18	65	—	W	3	—	—	—	o	—	—
Toulon ...	—	—	—	—	—	—	—	—	—	—	—
Heart's Content (9 a.m. local time.)	30.03	48	48	NNE	8	8	NNE	9	r	1.49	6

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...											
Scarborough ...	29.93	60	57	WSW	4	—	—	5	re	—	4
Greencastle ...	29.94	58	53	W	4	—	—	5	c	—	—
Valencia ...	30.17	61	58	WNW	4	—	—	3	p	—	3
Penzance ...	30.21	57	52	NW	3	—	—	4	c	—	2
London ...	30.11	65	56	SSW	3	—	—	8	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. **WEATHER**: b.—blue sky; c.—clouds (detached); f.—fog; h.—hail; l.—lightning; m.—misty (hazy); o.—overcast (dull); p.—passing showers; q.—squally; r.—rain; s.—snow; t.—thunder. **RAIN-FALL**: (snow or hail melted), during last 24 hours. **SEA DISTURBANCE**: 0—dead calm; 9—extreme high sea.

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

REMARKS.

Mon. day

The barometer had risen rapidly at all stations yesterday but was still lower in the north than in the south. A fresh decrease has since taken place in the N. of the British Islands, amounting to 0.36 in. at Wick; but our southern readings are not yet affected. Pressure at L'Orient exceeds that at Wick by 0.66 in.

Temperature had decreased except in the east yesterday, but has now risen slightly in the west and north, while the fall has extended to the east of England.

The gale subsided during Saturday, and the wind subsequently veered to NW on all coasts. This morning light W⁴ breezes are prevalent in the southern parts of our Islands, drawing gradually to SSW in Scotland; while a moderate SSE wind is reported from Norway.

The sky has cleared considerably in the SE of England and over France, but is very cloudy elsewhere - with rain at Havre. The sea is calm on our coasts; but rather high at Christiansund.

2 P.M. The barometer is rising in Ireland, but falling in England - mostly in the east. Winds are moderate and veering slightly.

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.
Sept												
10	Greencastle	29.502	53	50	N	5	10	SW	8	0	0.36	-
"	Belder	29.41	57	-	SW	8	-	-	-	-	-	7
"	L'Orient	30.01	58	56	E	5	7	WSW	7	2	0.47	7
"	Toulon	30.078	68	64	SW	1	1	SW	0	6	-	1
"	Heart's Content	30.048	52	51	SSW	2	6	WSW	8	20	-	3

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870.

September 13th

Tides-day

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Dist. (0 to 10)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.57	49	44	E	4	4	ESE	—	ob	—	4
* Skudesnaes ...	29.55	50	49	W	4	6	SSE	—	o	—	4
* Oxo (Christiansand)	29.59	52	51	SW	4	6	SSW	—	ocr	—	3
Thurso ...	29.66f	47	45	SSE	1	4	WNW	5	c	0.10	1
Wick ...	29.66f	57	47	SSE	3	4	SSW	7	oc	0.09	3
Nairn ...	29.62f	48	47	ENE	2	2	W	8	po	0.24	2
Aberdeen ...	29.60f	49	47	W	2	5	WNW	9	co	0.02	2
Leith ...	29.69f	53	52	W	2	6	W	9	bt	0.16	—
Shields ...	29.78f	54	53	SW	2	8	SW	6	ro	0.16	3
Scarborough ...	29.86f	54	53	WSW	3	4	WSW	9	co	0.05	2
Yarmouth ...	29.99f	54	53	SW	3	3	W	4	cm	—	3
Ardrossan ...	29.73f	57	54	WSW	5	7	S	7	gpc	0.26	4
Greencastle ...	29.75f	56	54	W	5	4	W	9	o	0.15	—
Holyhead ...	29.92f	56	55	SW	5	4	WSW	9	cr	0.43	—
Liverpool ...	29.90f	56	54	W	2	2	W	8	t	0.40	1
Valencia ...	30.06f	59	58	W	4	4	W	9	bo	0.14	3
Crookhaven ...	30.03f	59	57	WNW	5	4	NW	7	bc	—	2
Roche's Point	30.03f	57	55	WSW	4	4	NW	8	elo	0.02	3
Pembroke ...	29.99f	57	56	WSW	5	5	WSW	9	cr	0.04	3
Penzance ...	30.15f	58	57	WNW	3	2	NW	8	co	—	3
Plymouth ...	30.13f	54	53	SW	1	1	NW	9	tf	—	1
Portsmouth ...	30.10f	—	—	W	1	5	W	8	cr	—	1
Dover ...	30.07f	56	56	WSW	2	2	W	1	l	—	1
London ...	30.05f	56	54	SW	3	4	W	9	co	—	—
Helder ...	29.96	58	—	W	6	—	—	—	—	—	4
Cape Gris Nez	30.11f	57	53	W	3	4	WSW	7	co	—	2
Brest ...	30.16s	64	62	WSW	3	3	WNW	7	o	—	2
L'Orient ...	30.20f	52	50	ESE	1	1	NNW	6	c	—	2
Rochefort ...	30.17f	55	53	E	7	5	NE	0	b	—	3
Biarritz ...	—	—	—	—	—	—	—	—	—	—	—
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	30.06s	65	65	SW	1	3	SW	4	cf	—	1
Heart's Content (9 a.m. local time.)	29.502	47	42	N	8	10	N	5	zf	1.57	8

2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Thurso ...	29.65	51	49	SE	2	—	—	7	o 2	—	2
Scarborough ...	—	—	—	—	—	—	—	—	—	—	—
Greencastle ...	—	—	—	—	—	—	—	—	—	—	—
Valencia ..	30.06	62	59	W	4	—	—	8	o	—	3
Penzance ...	30.09	63	60	WNW	3	—	—	8	o	—	3
London ...	29.96	58	57	SW	3	—	—	9	2	—	—
Rochefort ...	—	—	—	—	—	—	—	—	—	—	—

EXPLANATION OF THE COLUMNS.

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

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

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

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EIGHT A.M.

WEATHER REPORT. 1870.

September 14th

Wednesday

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
*Christiansund	29.60	44	43	ESE	2	0	Z	—	cb	—	2
*Skudesnaes ...	29.53	45	44	NNE	4	2	NNW	—	oc	—	4
Oxo (Christiansand)	29.45	50	48	N	4	4	SW	—	b	—	2
Thurso ...	29.81r	49	44	N	3	3	E	4	rc	0.63	2
Wick ...	29.83r	49	46	NW	4	5	SE	5	rc	0.68	3
Nairn ...	29.87r	48	46	NE	2	9	ENE	5	pc	1.10	3
Aberdeen ...	29.84r	47	45	N	3	3	N	6	oc	0.59	2
Leith ...	29.82r	50	45	NNW	4	6	W	2	b	—	—
Shields ...	29.71r	50	48	NNE	4	4	NNE	2	c	—	3
Scarborough...	29.69r	52	49	NNW	5	4	WSW	7	c	0.07	5
Yarmouth ...	29.71f	55	52	NW	6	6	W	4	rc	0.40	4
Ardrossan ...	29.90r	52	47	NNW	2	9	NW	4	pgc	0.20	1
Greencastle ...	29.93r	54	50	N	1	3	SW	8	o	0.18	—
Holyhead ...	29.91r	55	52	WNW	5	5	WSW	5	oc	—	—
Liverpool ...	29.83r	56	52	NNW	5	6	W	5	oc	0.50	1
Valencia ...	29.97f	58	58	SW	3	4	W	9	ot	0.55	3
Crookhaven ...	30.02r	58	58	SSW	2	6	WNW	9	ct	0.20	1
Roche's Point	29.98r	56	55	NW	1	4	W	9	ct	0.09	2
Pembroke ...	29.93s	59	56	WNW	4	6	WSW	9	ro	0.07	2
Penzance ...	30.02f	60	58	NW	4	4	WNW	9	o	—	3
Plymouth ...	29.98f	60	58	NW	3	3	NW	9	ot	—	1
Portsmouth ...	29.88f	59	57	NW	5	6	W	8	o	—	4
Dover ...	29.82f	58	55	WSW	1	3	WSW	5	rc	0.08	1
London ...	29.84f	58	56	WSW	4	6	SW	8	roc	0.20	—
Helder ...	29.59	57	—	W	7	—	—	—	—	—	5
Cape Gris Nez	29.83f	59	55	WNW	5	7	W	9	ro	0.08	4
Brest ...	30.02f	58	58	WNW	3	4	WSW	8	co	—	3
L'Orient ...	30.11f	57	57	W	1	4	SSW	5	cf	—	1
Rochefort ...	30.08r	65	63	E	4	5	E	0	b	—	3
Biarritz...	30.04f	67	65	S	3	4	SW	5	bc	—	3
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	29.80	58	—	WSW	3	—	—	—	o	—	—
Paris ...	29.98	56	—	SW	2	—	—	—	o	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	30.04	77	—	N	3	—	—	—	b	—	—
Toulon ...	—	—	—	—	—	—	—	—	—	—	—
Heart's Content (9 a.m. local time.)	30.002	49	45	N	3	8	N	2	cb	—	5

2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Thurso ...	—	—	—	—	—	—	—	—	—	—	—
Scarborough...	29.95	54	51	N	7	—	—	7	rc	—	5
Greencastle ...	—	—	—	—	—	—	—	—	—	—	—
Valencia ..	30.01	63	62	W	4	—	—	9	zf	—	3
Penzance ...	30.07	63	60	N	5	—	—	5	b	—	2
London...	29.93	63	54	WNW	4	—	—	6	oc	—	—
Rochefort ...	—	—	—	—	—	—	—	—	—	—	—

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REMARKS.

Wednesday

The barometer has risen briskly at our northern stations during the night, while the fall noticed yesterday has passed on to the south-eastern and southern coasts. The lowest reading now reported is at Scarborough, and is 0.42 in. less than that at L'orient.

Temperature has risen in the south, but fallen in the north-east of England.

It blew hard from W and NW on our north-west coasts, and from ENE at Hain last night, with heavy rain. Moderate N^W and NE^W breezes now exist in Scotland, passing into NNW in the north of England, and NW and W in the south.

Rain has fallen at nearly all but the Channel stations. The sky has cleared in the north-west, but is overcast elsewhere, with rain continuing in Ireland. The sea is rough at Scarborough.

Warnings were issued to Scotland yesterday afternoon, but drums are lowered again this morning.

2 P.M. The barometer is now rising in England, especially on the NE coast; where the wind has freshened considerably from N.

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.
SEPT ²⁵												
13 th	Heart's Content	29.50+	47	42	N	8	10	N	5	2f	1.57	8
<u>Corrections.</u>												
---	Wick	Direction of "present wind" should be SSE.										
---	Hain	Force	of	"	"	"	be	2	-			
---	Aberdeen	"	"	"	"	"	be	1	-			

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870.

September 15th

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	30.10	44	43	Z	0	0	Z	—	b	—	2
* Skudesnaes ...	30.08	51	50	NNW	2	4	N	—	cb	—	2
* Oxo (Christiansand)	30.00	50	46	N	4	4	NNW	—	cb	—	2
Thurso ...	30.24r	48	47	Z	0	3	NNW	7	c	0.06	0
Wick ...	30.24r	49	48	WNW	3	4	WNW	8	c	0.03	3
Nairn ...	30.25r	44	42	NE	1	2	NE	0	cbm	—	1
Aberdeen ...	30.27r	48	45	NW	1	4	NW	0	b	—	1
Leith ...	30.25r	42	37	SSE	2	3	NNW	1	b	—	—
Shields ...	30.28r	49	47	NW	2	2	NW	1	cb	—	2
Scarborough ...	30.28r	50	48	W	2	7	N	1	cb	0.04	3
Yarmouth ...	30.24r	50	48	NNW	3	6	NNW	3	c	—	3
Ardrossan ...	30.27r	48	45	NNE	3	2	N	5	bc	—	2
Greencastle ...	30.24r	57	52	E	4	1	N	9	c	—	—
Holyhead ...	30.22r	51	49	ESE	2	4	W	5	c	—	—
Liverpool ...	30.25r	50	47	SE	2	2	SW	2	cb	—	1
Valencia ...	30.18r	61	60	WSW	2	4	W	9	rf	0.12	2
Crookhaven ...	30.17r	58	57	SW	2	5	WNW	9	f	0.07	1
Roche's Point	30.17r	58	58	ESE	2	4	SE	9	m	0.15	2
Pembroke ...	30.20r	57	55	ENE	2	2	WNW	9	omt	—	1
Penzance ...	30.22r	60	59	Z	0	4	NNW	9	c	0.15	1
Plymouth ...	30.22r	59	58	ESE	1	3	NW	9	c	0.30	0
Portsmouth ...	30.27r	—	—	ESE	1	5	NW	6	c	—	1
Dover ...	30.26r	52	52	N	2	4	NNW	1	b	—	2
London ...	30.29r	46	44	Z	0	4	WNW	—	cbm	—	—
Helder ...	30.11	56	—	NW	6	—	—	—	—	—	4
Cape Gris Nez	30.24r	54	49	N	1	7	NW	3	cb	—	2
Brest ...	30.18r	57	57	NW	1	3	NW	9	of	—	2
L'Orient ...	30.23r	60	58	NE	1	4	WNW	7	c	—	2
Rochefort ...	30.18r	59	59	E	4	5	SSW	0	b	—	3
Biarritz ...	30.12r	62	60	NE	3	4	NW	0	b	—	3
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	29.89r	64	57	WNW	7	3	W	4	c	—	5
Heart's Content (9 a.m. local time.)	30.03r	53	50	SSW	4	4	SSW	5	bc	—	3

2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Thurso ...	30.27	56	50	ESE	2	—	—	3	c	—	1
Scarborough ...	30.35	53	49	ENE	2	—	—	5	bc	—	3
Greencastle ...	—	—	—	—	—	—	—	—	—	—	—
Valencia ..	30.34	63	61	SW	3	—	—	7	fe	—	2
Penzance ...	—	—	—	—	—	—	—	—	—	—	—
London ...	30.33	58	50	N	1	—	—	7	bc	—	—
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.

Thurs-day

The barometer has risen rapidly at all stations, especially in the north-east, and readings have become remarkably uniform; the greatest difference between those at any two stations in the British Islands being 0.12 in. (London to Roch's Pt.).

Temperature has risen slightly in Ireland but fallen in Gt Britain; mostly in London, which is 12° colder than it was yesterday.

Light variable airs and calms are prevalent on all coasts.

Some rain has fallen in the west. The sky has cleared except in the west and south where it is overcast, with fog in Ireland. The sea is calm.

2 P.M. The barometer continues to rise slowly, with light airs and fine weather.

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
SEPT 2												
14 th	Brussels	29.80	58	—	WSW	3	—	—	—	o	—	—
—	Paris	29.98	56	—	SW	2	—	—	—	o	—	—
—	Lyons	30.04	77	—	N	3	—	—	—	b	—	—
—	Heart's Content	30.00+	49	45	N	3	8	N	2	cb	—	5

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870.

September 16th

Fri. day

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	30.38	46	46	Z	0	0	Z	—	b	—	2
* Skudesnaes ...	30.45	50	48	Z	0	0	Z	—	bo	—	2
* Oxo (Christiansand)	30.41	48	47	NNW	4	2	ESE	—	bc	—	2
Thurso ...	30.29 ^f	53	52	SSE	1	2	SSE	8	bo	—	1
Wick ...	30.28 ^r	54	53	SSW	3	4	ESE	8	co	0.04	3
Nairn ...	30.29 ^r	57	55	Z	0	2	NE	8	co	0.07	1
Aberdeen ...	30.37 ^r	51	50	SSW	1	1	SE	9	bo	0.01	1
Leith ...	30.36 ^r	53	53	W	1	3	E	0	bcm	0.02	—
Shields ...	30.43 ^r	51	49	SW	3	2	SSW	7	bc	—	3
Scarborough ...	30.47 ^r	52	49	SW	3	2	NNE	8	co	—	2
Yarmouth ...	30.52 ^r	57	50	NNW	3	3	NNW	3	c	—	3
Ardrossan ...	30.39 ^r	54	53	NE	1	2	SE	9	co	0.11	1
Greencastle ...	30.37 ^r	56	55	SW	1	2	S	9	r	0.55	—
Holyhead ...	30.43 ^r	56	55	SSW	4	2	SSW	8	o	0.16	—
Liverpool ...	30.43 ^r	56	53	S	2	2	SE	7	co	—	1
Valencia ...	30.45 ^r	59	58	SW	1	3	SW	9	mo	—	3
Crookhaven ...	30.42 ^r	58	57	SE	1	2	W	9	cf	—	0
Roche's Point	30.41 ^r	59	57	E	2	2	ESE	7	fc	—	2
Pembroke ...	30.44 ^r	57	55	SE	3	3	SE	9	fo	0.06	2
Penzance ...	30.47 ^r	58	57	S	1	4	SE	9	o	0.04	4
Plymouth ...	30.46 ^r	58	56	ESE	2	2	ESE	9	o	—	0
Portsmouth ...	30.49 ^r	—	—	SE	1	2	SSE	4	c	—	1
Dover ...	30.50 ^r	56	56	NNE	1	2	N	3	b	—	1
London ...	30.52 ^r	50	48	Z	0	2	N	8	bcm	—	—
Helder ...	30.45	56	—	N	1	—	—	—	—	—	2
Cape Gris Nez	30.50 ^r	55	51	N	1	3	NE	8	bo	—	1
Brest ...	—	—	—	—	—	—	—	—	—	—	—
L'Orient ...	—	—	—	—	—	—	—	—	—	—	—
Rochefort ...	30.38 ^r	55	51	E	5	5	E	0	b	—	3
Biarritz ...	—	—	—	—	—	—	—	—	—	—	—
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	—	—	—	—	—	—	—	—	—	—	—
Heart's Content (9 a.m. local time.)	29.96 ^f	57	55	SSW	4	5	SW	9	cof	—	5

2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Thurso ...	30.25	64	61	SSW	1	—	—	8	o	—	1
Scarborough ...	30.40	62	56	SW	3	—	—	7	c	—	2
Greencastle ...	30.40	58	57	SW	1	—	—	9	o	—	—
Valencia ..	30.48	63	60	SW	2	—	—	6	oe	—	3
Penzance ...	30.51	62	60	S	2	—	—	9	o	—	4
London ...	30.52	59	53	NE	1	—	—	9	fmo	—	—
Rochefort ...	—	—	—	—	—	—	—	—	—	—	—

EXPLANATION OF THE COLUMNS.

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

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

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

REMARKS.

Fri-day

The barometer has again risen somewhat principally on our southern coasts and in Norway; but a slight decrease has taken place at Thurso during the night. The reading at Wick is 0.24 in. less than those at London and Yarmouth.

Temperature has risen except on our south-west coasts; the change being 13° at Harin. It is now very uniform.

Light variable winds and calms are again prevalent on all coasts; the general tendency being from S and SW in our northern districts.

The sky is very cloudy, and a good deal of fog has prevailed in the southwest of our Islands, and rain in the north. The seas moderate at Penzance, calm elsewhere.

None of the French reports received — 11.30 a.m.

2 P.M. Pressure is hardly changed. Temperature has risen rather rapidly in the N and NE.

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
SEPT 15 TH	Greenacastle	30.26r	57	52	E	4	1	N	4	o	—	—
—	Rocheport	30.18r	59	59	E	4	5	SSW	0	b	—	3
—	Biarritz	30.12r	62	60	NE	3	4	NW	0	b	—	3
—	Heart's Content	30.03f	53	50	SSW	4	4	SSW	5	b-c	—	3

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870.

September 17th

Saturday

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturbance (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.99	48	47	W	6	—	—	—	c	—	0
* Skudesnaes ...	30.06	54	53	SSE	6	2	S	—	ct	—	4
* Oxo (Christiansand)	30.13	51	50	SW	2	4	SW	—	bo	—	1
Thurso ...	30.26 ^r	54	52	WNW	3	1	SSW	4	oc	0.07	2
Wick ...	30.26 ^r	55	54	NW	4	3	SSW	7	oc	0.10	3
Nairn ...	30.30 ^r	58	55	WNW	1	2	WNW	4	c	0.06	1
Aberdeen ...	30.31 ^s	57	55	NNW	1	2	SSW	5	c	0.12	1
Leith ...	30.30 ^f	58	56	W	3	3	W	6	om	—	—
Shields ...	30.32 ^f	60	58	WNW	3	2	SW	2	mc	—	2
Scarborough ...	30.34 ^f	58	57	W	2	3	SW	8	co	—	2
Yarmouth ...	30.43 ^f	55	54	W	3	3	E	5	cf	—	3
Ardrossan ...	30.39 ^f	57	56	NW	1	2	SE	9	ot	0.03	1
Greencastle ...	30.39 ^f	57	56	NW	1	1	SW	9	o	0.06	—
Holyhead ...	30.46 ^f	57	56	WSW	2	4	SSW	9	o	0.06	—
Liverpool ...	30.42 ^f	59	54	WNW	2	2	S	6	c	0.02	1
Valencia ...	30.47 ^s	59	58	SW	1	2	SW	9	ro	0.02	3
Crookhaven ...	30.42 ^r	62	61	E	1	1	SE	9	f	—	0
Roche's Point	30.49 ^f	58	58	NNW	1	2	SSW	9	bf	—	1
Pembroke ...	30.47 ^f	58	57	WSW	2	3	SSE	9	o	0.03	1
Penzance ...	30.52 ^f	58	57	S	1	4	SE	9	o	—	1
Plymouth ...	30.49 ^f	56	55	Z	0	2	SSE	2	of	—	0
Portsmouth ...	30.47 ^f	—	—	Z	0	2	SSW	5	c	—	0
Dover ...	30.49 ^f	57	57	SSW	1	2	NE	4	c	—	1
London ...	30.49 ^f	55	53	WNW	2	2	NE	9	fbo	—	—
Helder ...	30.40	54	—	SW	4	—	—	—	—	—	2
Cape Gris Nez	30.50 ^f	55	53	W	1	3	NE	4	b	—	1
Brest ...	—	—	—	—	—	—	—	—	—	—	—
L'Orient ...	30.47 ^r	52	50	E	4	4	ESE	0	b	—	2
Rochefort ...	30.34 ^r	59	57	E	4	5	E	1	b	—	4
Biarritz ...	30.26 ^r	50	45	SE	5	4	E	1	b	—	5
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	30.20 ^r	65	57	SW	1	1	SW	0	b	—	1
Heart's Content (9 a.m. local time.)	30.36 ^r	43	42	SSW	1	4	NE	2	ogb	0.06	2

2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Thurso ...	—	—	—	—	—	—	—	—	—	—	—
Scarborough ...	30.34	60	59	NNW	1	—	—	9	0	—	2
Greencastle ...	30.41	59	55	N	1	—	—	9	0	—	—
Valencia ..	30.46	62	60	W	2	—	—	4	oc	—	3
Penzance ...	30.47	63	60	SE	2	—	—	6	o.	—	2
London ...	30.42	62	58	SW	1	—	—	9	0	—	—
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—lead calm; 3—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.

Satur-day

Barometrical readings have decreased nearly 0.4 in. in Norway and to a less extent in the eastern part of our Islands - Elsewhere there is hardly any change. The highest reading is at Penzance, and exceeds that at Thurso by 0.26 in., and that at Christiansund by 0.53 in. -

Temperature has risen generally - mostly in the east of G^o Britain -

Light variable winds, principally from the Wnd are reported from all our coasts, and fresh S^h and W^h breezes from Norway.

A little rain has fallen at all W^h and N^h stations, and the sky is overcast generally. The sea is calm.

I. Pen - Pressure has fallen somewhat in the South of England, but is almost unaltered elsewhere. Winds continue light and 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.
SEPT ⁸												
16 TH	Cape Gris Nez	30.50r	55	51	N	1	3	NE	8	bo	-	11
---	Rocheport	30.38r	55	51	E	5	5	E	0	b	-	3
---	Hearts Content	29.96f	57	55	SSW	4	5	SW	9	cof	-	5

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870.

September 18th

Sun-day

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	30.10	49	48	SW	6	6	W	—	ro	—	4
* Skudesnaes ...	30.17	49	46	NNW	6	6	NNW	—	b	—	1
* Oxo (Christiansund)	30.06	50	46	NNW	4	6	WNW	—	b	—	1
Thurso ...	30.30s	52	51	Z	0	2	NW	7	c	0.06	0
Wick ...	30.30r	55	54	NW	3	3	NW	8	co	0.04	2
Nairn ...	30.35r	55	51	WNW	1	1	WNW	1	cb	—	1
Aberdeen ...	30.34r	53	50	NNW	2	2	NNW	1	b	—	1
Leith ...	30.31f	58	54	SE	2	3	NW	2	mb	—	—
Shields ...	30.33s	53	52	NNW	2	1	S	6	mo	—	2
Scarborough ...	30.33f	57	56	ESE	1	1	N	8	o	—	2
Yarmouth ...	30.33r	58	56	WSW	3	3	W	5	cf	—	3
Ardrossan ...	30.35f	54	51	NW	2	2	SE	0	b	—	1
Greencastle ...	30.36f	52	51	SSW	1	1	N	1	ob	—	—
Holyhead ...	30.34f	58	57	WNW	2	2	SSW	8	o	—	—
Liverpool ...	30.32f	59	57	WNW	1	1	WNW	9	or	0.02	1
Valencia ...	30.38f	60	57	SSW	2	2	W	3	c	—	2
Crookhaven ...	30.35f	60	59	SE	1	2	WSW	8	fc	—	0
Roche's Point	30.37f	62	60	SSW	1	2	SSW	7	fc	—	1
Pembroke ...	30.35f	59	58	Z	0	2	WSW	9	o	—	0
Penzance ...	30.39f	61	59	NE	1	3	SE	9	o	—	1
Plymouth ...	30.30f	64	61	Z	0	1	NE	2	cf	—	0
Portsmouth ...	30.35f	—	—	Z	0	2	W	9	co	—	0
Dover ...	30.31f	58	58	N	1	1	SSW	6	cm	—	1
London ...	30.35f	58	57	WNW	1	2	NW	9	mo	—	—
Helder ...											
Cape Gris Nez											
Brest ...											
L'Orient ...	30.34f	55	53	ENE	4	4	ESE	4	c	—	2
Rochefort ...	30.26f	54	52	E	5	7	E	4	bc	—	3
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	30.16f	53	50	SW	3	3	SW	2	b	—	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.—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.

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

day

Reports received too late for insertion in their proper places.

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870. *September 19th**Monday*

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
*Christiansund	30.15	51	49	SSW	4	6	SSW	—	o	—	4
*Skudesnaes ...	30.26	51	51	NNW	2	2	NNW	—	bo	—	2
*Oxo (Christiansand)	30.17	49	47	NNW	2	4	SSW	—	be	—	1
Thurso ...	30.15	52	49	S	1	1	ENE	6	oc	—	1
Wick ...	30.15	55	52	SSW	3	3	NW	7	e	—	2
Nairn ...	30.19	51	48	W	6	1	ENE	1	e	—	0
Aberdeen ...	30.22	53	51	SSW	1	1	SSE	1	b	—	1
Leith ...	30.28	49	48	WSW	1	2	SE	2	bm	—	—
Shields ...	30.31	52	51	SW	3	3	SE	8	bo	—	2
Scarborough ...	30.37	52	48	SW	1	2	ESE	9	bo	—	1
Yarmouth ...	30.40	54	53	E	3	3	NE	4	e	—	3
Ardrossan ...	30.28	52	49	NE	2	1	SW	7	bm	—	1
Greencastle ...	30.22	57	56	S	2	1	SSW	8	bo	—	—
Holyhead ...	30.27	58	57	ESE	2	2	ESE	6	oc	—	—
Liverpool ...	30.31	57	55	ESE	1	1	WNW	9	o	0.15	1
Valencia ...	30.18	60	57	SSE	4	3	ENE	2	cb	—	5
Crookhaven ...	30.20	59	58	SE	2	2	SE	6	bc	—	1
Roche's Point	30.22	60	58	SSE	4	4	SSE	8	co	—	2
Pembroke ...	30.26	59	57	SE	3	1	SW	1	ob	—	1
Penzance ...	30.27	60	59	ESE	5	3	SE	4	e	—	5
Plymouth ...	30.29	58	58	SE	3	0	Z	0	cm	—	0
Portsmouth ...	30.32	—	—	ESE	1	1	ENE	8	om	—	1
Dover ...	30.27	57	57	SE	1	1	N	4	bc	0.09	2
London ...	30.37	55	54	Z	0	2	NW	7	foe	—	—
Helder ...	30.38	56	—	S	2	—	—	—	—	—	2
Cape Gris Nez	30.27	53	51	SW	1	1	SSW	9	o	—	2
Brest ...											
L'Orient ...											
Rochefort ...											
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	29.49	50	50	ENE	4	4	ENE	9	2	1.99	4

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...	30.10	67	59	S	1	—	—	4	e	—	1
Scarborough ...	30.33	59	56	SSW	2	—	—	2	cb	—	2
Greencastle ...	30.18	63	59	SSW	1	—	—	2	b	—	—
Valencia ..	30.19	65	61	S	4	—	—	4	bc	—	3
Penzance ...	30.26	62	59	ESE	5	—	—	2	cb	—	5
London ...	30.34	62	56	NNE	1	—	—	9	o	—	—
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.

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EIGHT A.M.

WEATHER REPORT. 1870.

September 20th

Tues-day

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches.)	Sea Disturb. (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	29.91	50	49	Z	0	2	SW	—	no c	—	4
* Skudesnaes ...	30.11	54	54	SSE	4	0	Z	—	o	—	4
* Oxo (Christiansand)	30.11	53	51	SW	4	6	SW	—	oc	—	2
Thurso ...	30.06s	55	54	Z	0	1	SSW	9	co	0.02	0
Wick ...	30.07f	58	56	SSW	3	3	SSW	8	co	—	2
Nairn ...	30.11f	58	55	WSW	2	1	W	6	bc	—	1
Aberdeen ...	30.15f	58	56	SW	1	3	SSW	3	bc	0.01	1
Leith ...	30.18f	61	56	W	3	2	W	1	cb	—	—
Shields ...	30.24f	59	55	SW	2	3	SW	0	cm	—	1
Scarborough ...	30.30f	56	54	WSW	2	2	SW	6	bc	—	2
Yarmouth ...	30.35s	51	50	NW	2	3	SE	2	cb	—	2
Ardrossan ...	30.25r	59	56	WSW	3	3	S	7	oc	—	?
Greencastle ...	30.24r	59	56	SW	1	1	SSW	8	bm	—	—
Holyhead ...	30.27r	58	57	SSW	3	2	SSW	5	c	—	—
Liverpool ...	30.30s	59	55	SSE	2	1	ESE	8	om	—	1
Valencia ...	30.27r	60	59	S	4	4	S	3	c	—	3
Crookhaven ...	30.30r	58	58	?E	2	4	SE	1	b	—	1
Roche's Point	30.28r	59	57	S	3	4	SSE	6	c	—	2
Pembroke ...	30.29r	56	54	ESE	2	3	SE	2	cb	—	1
Penzance ...	30.29r	59	56	E	4	5	ESE	1	cb	—	3
Plymouth ...	30.29r	56	55	E	1	3	SE	2	cm	—	0
Portsmouth ...	30.30s	—	—	ESE	2	4	SE	3	c	—	1
Dover ...	30.31f	59	56	E	1	2	E	1	b	—	1
London ...	30.34f	49	48	E	1	1	N	—	cbf	—	—
Helder ...	30.34	50	—	?NW	2	—	—	—	—	—	2
Cape Gris Nez	30.32r	53	49	E	2	2	NE	4	bc	—	1
Brest ...	?30.14r	52	50	NE	4	4	ENE	0	b	—	2
L'Orient ...											
Rochefort ...											
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	29.982	40	38	NE	1	6	NNE	9	20	1.51	3

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...											
Scarborough ...	30.28	64	61	W	2	—	—	4	c	—	2
Greencastle ...	30.25	62	58	W	1	—	—	9	o	—	—
Valencia ..	30.22	65	61	SSW	3	—	—	2	cb	—	2
Penzance ...	30.31	62	58	E	4	—	—	2	b	—	3
London ...	30.31	62	56	NE	1	—	—	8	cm	—	—
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.

September 21st

Wednesday

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturbance (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
*Christiansund	29.95	48	47	SSW	6	4	SW	—	c	—	6
*Skudesnaes ...	30.08	51	46	NW	6	4	WNW	—	c	—	4
*Oxo (Christiansand)	29.98	54	46	WNW	4	6	SW	—	c	—	2
Thurso ...	30.21r	51	49	SW	1	2	WSW	4	c	0.01	1
Wick ...	30.23r	55	53	SSW	2	3	SSW	5	c	—	2
Nairn ...	30.24r	54	50	SW	2	1	WSW	6	bc	—	1
Aberdeen ...	30.27r	50	48	W	1	1	W	1	cb	—	1
Leith ...	30.27r	57	53	W	2	4	W	1	om	—	—
Shields ...	30.31r	56	54	W	3	3	WNW	2	b	—	1
Scarborough ...	30.33r	55	54	W	2	2	W	4	c	—	2
Yarmouth ...	30.32r	53	52	NW	2	3	S	0	cb	—	3
Ardrossan ...	30.32r	56	54	SE	1	2	NW	7	cm	—	1
Greencastle ...	30.29s	57	56	SW	1	1	W	8	c	—	—
Holyhead ...	30.38s	56	55	SSE	3	4	SSW	2	b	—	—
Liverpool ...	30.32f	56	54	SSE	1	1	SSE	9	cm	—	1
Valencia ...	30.28f	56	54	ESE	2	3	SSW	0	cb	—	1
Crookhaven ...	30.27f	56	55	ESE	3	1	SE	8	bc	—	1
Roche's Point	30.27f	57	54	SSE	2	3	S	2	b	—	1
Pembroke ...	30.31s	57	51	ENE	1	2	NE	5	bf	—	0
Penzance ...	30.31r	58	56	ESE	5	4	E	0	b	—	4
Plymouth ...	30.33f	53	52	E	1	2	NE	0	bm	—	0
Portsmouth ...	30.34r	—	—	Z	0	2	S	5	cm	—	0
Dover ...	30.34r	58	58	ENE	1	1	E	0	b	—	1
London ...	30.35r	48	47	Z	0	1	E	—	bf	—	—
Helder ...	30.26	59	—	WNW	2	—	—	—	—	—	4
Cape Gris Nez	30.34r	56	54	Z	0	4	NE	1	b	—	1
Brest ...	30.19r	58	53	E	4	5	ENE	0	cb	—	3
L'Orient ...	—	—	—	—	—	—	—	—	—	—	—
Rochefort ...	30.25r	62	62	E	4	5	SE	0	b	—	5
Biarritz ...	—	—	—	—	—	—	—	—	—	—	—
Coruna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	—	—	—	—	—	—	—	—	—	—	—
Heart's Content (9 a.m. local time.)	30.19r	45	43	W	4	4	W	3	c	—	4

2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Thurso ...	—	—	—	—	—	—	—	—	—	—	—
Scarborough ...	30.39	61	59	SE	1	—	—	7	c	—	2
Greencastle ...	30.20	62	58	Z	0	—	—	2	b	—	—
Valencia ...	30.25	62	58	S	3	—	—	1	b	—	2
Penzance ...	30.31	62	59	E	4	—	—	0	b	—	4
London ...	30.32	62	57	Z	0	—	—	8	bc	—	—
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. *September 22nd**Thurs-day*

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
*Christiansund	30.28	51	48	SSW	6	—	—	—	o	—	3
*Skudesnaes ...	30.37	50	46	W	4	2	NNE	—	b	—	2
*Oxo (Christiansand)	30.39	47	44	NNW	4	4	NNW	—	b	—	2
Thurso ...	30.24s	52	50	Z	0	0	Z	4	oc	—	1
Wick ...	30.25r	55	54	S	2	3	SSW	4	c	—	2
Nairn ...	30.24f	52	49	Z	0	2	SW	1	b	—	0
Aberdeen ...	30.30r	54	52	SW	1	2	S	1	b	—	1
Leith ...	30.28r	56	54	E	2	2	W	2	bm	—	—
Shields ...	30.34r	58	55	SW	2	2	SE	5	bm	—	2
Scarborough ...	30.39r	57	55	SW	1	1	SE	7	c	—	1
Yarmouth ...	30.40r	53	52	NE	2	3	N	0	cb	—	2
Ardrossan ...	30.30s	56	54	E	2	2	SW	4	bm	—	1
Greencastle ...	30.24f	58	55	SW	1	1	E	3	bc	—	—
Holyhead ...	30.30f	59	58	ESE	3	2	SSE	2	b	—	—
Liverpool ...	30.32s	56	54	S	3	2	S	5	oc	—	1
Valencia ...	30.15f	61	58	S	3	3	S	0	b	—	2
Crookhaven ...	30.17f	60	59	SE	5	5	NNE	9	cb	—	2
Roche's Point	30.20f	60	58	SE	4	4	SE	2	b	—	3
Pembroke ...	30.25f	58	56	E	4	3	E	2	fm	—	1
Penzance ...	30.27f	60	58	E	2	4	E	1	b	—	4
Plymouth ...	30.29f	59	58	NE	1	1	SE	0	bm	—	1
Portsmouth ...	30.34r	—	—	ESE	3	1	SSW	7	cm	—	2
Dover ...	30.37r	57	56	E	1	1	E	3	b	—	1
London ...	30.36r	53	52	E	1	0	Z	5	bm	—	—
Helder ...	30.39	56	—	WNW	2	—	—	—	—	—	2
Cape Gris Nez	30.36r	52	50	ESE	1	1	NE	1	b	—	1
Brest ...	30.14s	60	55	E	4	4	E	3	b	—	2
L'Orient ...	30.24	56	54	E	5	4	ESE	2	cb	—	2
Rochefort ...	—	58	54	E	5	4	N	0	b	—	3
Biarritz ...	—	—	—	—	—	—	—	—	—	—	—
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	—	—	—	—	—	—	—	—	—	—	—
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

2 P.M. REPORT.

Skudesnaes ...	30.41	56	54	SSE	2	—	—	—	c	—	2
Thurso ...	30.20	65	59	Z	0	—	—	4	c	—	1
Scarborough ...	30.30	58	55	SSE	4	—	—	3	c	—	4
Greencastle ...	—	—	—	—	—	—	—	—	—	—	—
Valencia ..	30.12	68	63	S	4	—	—	3	bc	—	3
Penzance ...	30.26	63	59	E	5	—	—	3	bc	—	5
London ...	30.35	64	58	ENE	3	—	—	2	bc	—	—
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.

September 23rd

Fri-day

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
*Christiansund	30.26	52	49	SSW	2	0	Z	—	b o	—	4
*Skudesnaes ...	—	51	50	ESE	6	0	Z	—	c	—	—
*Oxo (Christiansand)	30.44	53	51	WSW	4	4	SW	—	bc	—	2
Thurso ...	30.26r	51	49	Z	0	1	WSW	2	bm	—	0
Wick ...	30.28r	57	56	SSE	1	2	S	3	c	—	2
Nairn ...	30.28r	55	52	Z	0	1	SW	6	bmc	—	1
Aberdeen ...	30.33r	54	53	SW	1	2	S	0	bm	—	0
Leith ...	30.33r	52	52	NW	1	2	E	1	bm	—	—
Shields ...	30.37r	53	51	SSW	3	3	S	0	b	—	2
Scarborough...	30.43r	56	55	S	2	4	SSE	2	cb	—	2
Yarmouth ...	30.44r	58	55	ESE	4	4	E	0	cb	—	4
Ardrossan ...	30.53r	57	52	ENE	2	3	ENE	4	c fm	—	2
Greencastle ...	30.24r	60	56	N	1	1	SSW	6	bc	—	—
Holyhead ...	30.30r	59	58	SSW	3	3	SSW	2	b	—	—
Liverpool ...	30.34r	55	53	ENE	4	2	E	2	c	—	1
Valencia ...	30.09f	63	58	S	6	6	S	7	oc	—	4
Crookhaven ...	30.09f	60	59	ESE	7	6	ESE	9	co	—	3
Roche's Point	30.16f	60	58	SE	5	5	SE	9	co	—	4
Pembroke ...	30.23f	57	55	ESE	6	5	ESE	7	m	—	3
Penzance ...	30.23s	59	57	E	5	5	E	0	b	—	5
Plymouth ...	30.24f	59	58	WSW	2	3	SE	0	m	—	1
Portsmouth ...	30.33s	—	—	ESE	3	4	SE	3	c	—	2
Dover ...	30.37r	55	55	E	3	2	E	0	b	—	2
London ...	30.37r	52	50	ESE	3	2	E	0	mb	—	—
Helder ...	30.47	55	—	ENE	2	—	—	—	—	—	2
Cape Gris Nez	30.35r	49	45	SW	3	4	NE	1	b	—	1
Brest ...	30.12r	58	53	E	4	4	E	0	b	—	5
L'Orient ...	—	—	—	—	—	—	—	—	—	—	—
Rochefort ...	30.13f	53	51	E	5	5	E	0	b	—	3
Biarritz...	—	—	—	—	—	—	—	—	—	—	—
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon...	—	—	—	—	—	—	—	—	—	—	—
Heart's Content (9 a.m. local time.)	29.70f	56	54	WSW	3	3	WSW	2	b	—	3

2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Thurso ...	30.26	71	60	S	21	—	—	4	c	—	1
Scarborough...	—	—	—	—	—	—	—	—	—	—	—
Greencastle ...	30.23	64	58	SSE	1	—	—	8	co	—	—
Valencia ..	30.07	67	61	S	7	—	—	6	c	—	5
Penzance ...	30.23	61	57	E	6	—	—	2	b	—	6
London...	30.34	62	53	E	4	—	—	3	b	—	—
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.

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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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A vertical scale bar with tick marks and labels. The labels are: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100. The scale is used to measure the length of the horizontal bars in the chart.

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EIGHT A.M.

WEATHER REPORT. 1870.

September 24th

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	30.38	50	49	Z	0	4	SSW	—	c	—	4
* Skudesnaes ...	30.50	52	50	ESE	4	0	Z	—	bo	—	2
* Oxo (Christiansand)	30.48	50	49	WSW	4	4	SW	—	b	—	2
Thurso ...	30.20f	54	52	S	3	1	S	5	mc	—	2
Wick ...	30.23f	54	53	SSE	4	2	SSE	6	c	—	2
Nairn ...	30.23f	57	53	SW	1	1	SW	6	c	—	0
Aberdeen ...	30.33f	54	52	S	1	3	S	3	bc	—	1
Leith ...	30.29f	54	50	SSE	2	2	S	2	mb	—	—
Shields ...											
Scarborough...	30.40f	56	55	S	2	5	SSE	1	cb	—	2
Yarmouth ...	30.41f	58	55	SSE	4	4	ENE	0	b	—	4
Ardrossan ...	30.30f	54	50	ENE	3	3	E	4	c	—	2
Greencastle ...	30.20f	57	54	S	1	4	S	6	c	—	—
Holyhead ...	30.22f	52	49	ESE	2	2	WNW	4	bc	—	—
Liverpool ...	30.30f	53	52	SE	1	1	SE	1	b	—	1
Valencia ...	30.11f	61	60	S	5	7	S	9	mf	0.03	4
Crookhaven ...	30.13f	60	59	SE	2	7	ESE	9	cf	—	1
Roche's Point	30.18s	61	59	SE	5	5	SE	7	oc	—	4
Pembroke ...	30.22f	57	55	ESE	4	6	ESE	3	m	—	2
Penzance ...	30.24f	58	57	E	3	6	SE	2	b	—	4
Plymouth ...	30.25f	55	55	E	1	4	E	2	bm	—	0
Portsmouth ...	30.30f	—	—	ESE	3	5	SE	3	c	—	0
Dover ...	30.36f	59	59	ESE	4	4	ESE	0	b	—	2
London ...	30.35s	57	49	E	2	5	E	1	b	—	—
Helder ...	30.47	54	—	ESE	3	—	—	—	—	—	2
Cape Gris Nez	30.34f	49	45	E	1	4	E	0	b	—	1
Brest ...	30.16f	57	55	E	3	4	E	5	bc	—	3
L'Orient ...											
Rochefort ...	30.18f	55	51	SE	4	5	E	0	b	—	3
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	30.002	39	38	NE	1	4	NE	8	o	0.30	2

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...											
Scarborough ...	30.37	58	56	SSE	5	—	—	1	b	—	4
Greencastle ...											
Valencia ..											
Penzance ...											
London ...	30.32	62	53	E	2	—	—	2	b	—	—
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.

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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.

September 25th

Sun-day

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturbance (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
*Christiansund	30.34	44	44	W	4	—	—	—	o	—	0
*Skudesnaes ...	30.46	52	49	ESE	6	6	SSE	—	bc	—	4
*Oxo (Christiansand)	30.47	49	48	W	2	4	WSW	—	b	—	2
Thurso ...	30.31r	56	53	Z	0	2	S	2	cb	—	0
Wick ...	30.32r	63	60	WSW	2	3	SSE	4	c	—	2
Nairn ...	30.30r	61	57	W	1	1	NE	3	bc	—	0
Aberdeen ...	30.34r	52	51	SSW	1	5	S	1	cb	—	2
Leith ...	30.32r	56.5	58	NNW	2	2	E	2	bm	—	—
Shields ...	30.38r	50	48	SW	2	3	SE	0	bf	—	2
Scarborough...	30.42r	56	55	S	1	5	SSE	0	b	—	2
Yarmouth ...	30.37f	57	55	SE	3	4	ESE	0	b	—	3
Ardrossan ...	30.38r	57	52	ENE	1	2	SW	4	c	—	1
Greencastle ...											—
Holyhead ...	30.35r	56	54	? WSW	2	2	ESE	5	c	—	—
Liverpool ...	30.35r	54	50	ENE	2	2	SE	2	c	—	1
Valencia ...	30.34r	58	57	E	2	4	W	0	rb	0.27	1
Crookhaven ...	30.31r	58	56	N	1	5	NW	4	fc	—	0
Roche's Point	30.32r	61	61	S	1	5	SE	9	cf	—	1
Pembroke ...	30.32r	55	54	E	1	3	SE	7	m	—	1
Penzance ...	30.36r	60	58	SSE	9	3	S	6	c	—	1
Plymouth ...	30.30f	53	51	Z	0	2	S	4	cf	—	0
Portsmouth ...	30.36r	—	—	Z	0	5	SE	3	c	—	0
Dover ...	30.34s	55	55	E	3	3	E	0	b	—	2
London ...	30.36r	48	47	E	1	3	E	—	bf	—	—
Helder ...											
Cape Gris Nez	30.33r	51	47	E	1	3	ENE	0	b	—	1
Brest ...	30.22r	55	51	WNW	3	4	N	6	bo	—	3
L'Orient ...											
Rochefort ...											
Biarritz...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	30.03f	48	47	S	3	3	S	9	o	—	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.

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Sea
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EIGHT A.M.

WEATHER REPORT. 1870. *Sept 26. 26**Mon. day*

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
*Christiansund	30.26	44	46	ESE	2	4	SW	—	cl	—	2
*Skudesnaes ...	30.32	50	48	ESE	4	4	SSE	—	oc	—	2
*Oxo (Christiansand)	30.32	46	46	W	4	2	WSW	—	bo	—	1
Thurso ...	30.108	51	50	Z	0	1	ENE	4	mc	—	0
Wick ...	30.118	50	54	SE	2	2	SE	6	o	—	2
Nairn ...	30.138	53	51	SW	1	1	SW	8	com	—	1
Aberdeen ...	30.148	52	51	SSW	1	1	SSW	2	bge	—	1
Leith ...	30.188	52	52	NW	2	2	NW	1	b m	—	—
Shields ...	30.248	48	47	WSW	2	2	S	0	bzm	—	1
Scarborough ...	30.278	54	54	SSE	1	2	SSE	0	b	—	2
Yarmouth ...	30.278	58	58	SE	3	3	ESE	0	b	—	3
Ardrossan ...	30.208	56	52	E	1	1	S	4	cl	—	1
Greencastle ...											—
Holyhead ...	30.218	59	57	SSW	2	2	WSW	6	co	—	—
Liverpool ...	30.23 -	54	61	SE	1	1	SE	3	b	—	1
Valencia ...	30.218	59	58	SSW	1	2	N	6	bo	—	3
Crookhaven ...	30.188	60	58	W	3	1	SSE	6	gc	—	1
Roche's Point	30.168	61	60	NW	1	1	S	7	gc	—	1
Pembroke ...	30.178	53	51	ENE	1	1	WNW	4	m	—	1
Penzance ...	30.238	56	52	NW	?	2	S	2	b	—	0
Plymouth ...	30.218	51	50	Z	0	1	S	1	bz	—	0
Portsmouth ...	30.208	—	—	ESE	1	1	SSE	4	c	—	1
Dover ...	30.228	57	57	SSE	3	3	E	1	b	—	2
London ...	30.238	51	51	SE	1	3	E	8	bz	—	—
Helder ...	30.30	58	—	WSW	3	—	—	—	—	—	2
Cape Gris Nez	30.218	55	50	SE	1	1	E	1	b	—	1
Brest ...	30.178	51	51	NNE	3	4	NNE	5	b c	—	4
L'Orient ...	30.198	53	53	E	1	4	W	4	c	—	2
Rochefort ...	30.148	761	759	N	3	5	NW	4	c	—	4
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	29.948	40	40	NE	3	3	S	9	o	0.20	4

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...	30.003	65	59	S	2	—	—	6	c	—	1
Scarborough ...	30.22	58	58	SSE	2	—	—	1	b	—	2
Greencastle ...											—
Valencia ..	30.21	66	63	SW	3	—	—	4	c	—	3
Penzance ...	30.21	64	55	N	2	—	—	4	b c	—	2
London ...	30.18	66	59	E	2	—	—	2	mb	—	—
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

September 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	30.17	49	48	ESE	2	0	Z	—	0	—	2
*Skudesnaes ...	30.30	53	53	Z	0	4	?	—	bog	—	4
*Oxo (Christiansand)	30.27	48	45	NW	2	—	WSW	—	oc	—	1
Thurso ...	30.392	42	41	S	1	3	W	2	b	—	2
Wick ...	30.382	45	44	SW	2	3	SSE	5	c	—	2
Nairn ...	30.382	52	50	SW	1	1	SW	3	c	—	1
Aberdeen ...	30.412	53	51	NNE	1	3	S	8	bo	—	1
Leith ...	30.342	55	53	E	4	2	W	7	bc	0.01	—
Shields ...	30.352	54	53	NNW	2	3	S	8	bm	—	1
Scarborough ...	30.332	56	55	N	2	2	SSE	3	bc	—	2
Yarmouth ...	30.292	59	58	E	3	3	ENE	0	b	—	3
Ardrossan ...	30.352	56	54	ESE	1	1	W	6	rgm	—	0
Greencastle ...	30.242	53	52	NE	1	6	NE	2	fb	—	—
Holyhead ...	30.232	58	57	NNE	2	2	SSW	3	c	—	—
Liverpool ...	30.292	55	52	W	1	1	W	0	cm	—	1
Valencia ...	30.262	58	57	NNE	2	3	N	6	pc	0.05	4
Crookhaven ...	30.242	59	58	SE	2	4	W	9	co	—	0
Roche's Point	30.262	59	58	S	1	1	SW	9	cf	—	1
Pembroke ...	30.252	57	54	NNE	2	2	NNE	3	rw	—	1
Penzance ...	30.242	58	57	NNE	4	3	NNW	4	c	—	2
Plymouth ...	30.222	55	53	Z	0	1	NW	0	g	—	0
Portsmouth ...	30.222	—	—	E	1	2	SSE	3	c	—	1
Dover ...	30.242	59	59	ESE	2	2	E	0	b	—	1
London ...	30.252	56	54	E	1	3	ENE	9	bg	—	—
Helder ...	30.29	58	—	ESE	2	—	—	—	g	—	2
Cape Gris Nez	30.282	55	50	E	1	3	NE	0	cb	—	1
Brest ...	30.142	54	54	N	4	4	NNE	9	cf	—	3
L'Orient ...	30.182	—	—	NE	1	4	NNW	3	c	—	2
Rochefort ...	30.138	59	57	NE	1	5	NW	3	—	—	0
Biarritz ...	—	—	—	—	—	—	—	—	—	—	—
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	—	—	—	—	—	—	—	—	—	—	—
Heart's Content (9 a.m. local time.)	—	—	—	—	—	—	—	—	—	—	—

2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Thurso ...	30.36	55	50	SE	4	—	—	5	c	—	3
Scarborough ...	30.34	59	57	NNE	4	—	—	—	bc	—	2
Greencastle ...	30.29	61	57	SE	1	—	—	4	bc	—	—
Valencia ..	30.27	62	61	SSW	3	—	—	7	rc	—	3
Penzance ...	30.23	65	60	ENE	2	—	—	10	bm	—	2
London ...	30.25	68	59	E	3	—	—	1	b	—	—
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.

Tues-day

The general decrease of barometrical pressure noticed yesterday morning, continued until the evening, since which time it has been succeeded by a brisk recovery. The change during the night has been greatest in the north of Scotland, the barometer at Thurso having risen 3 tenths of an inch. In Norway, however, the fall has continued slowly. Readings are now very uniform, those in the English Channel being only 0.14 in. below that at Aberdeen.

Temperature has fallen in the north of Scotland and in Ireland, but risen slightly elsewhere.

Winds continue light and very variable.

Aurora is again reported from Thurso. The weather is now cloudy, with fog and mist in most places, and showers are reported from Valencia. The sea is moderately smooth at Valencia, calm elsewhere.

2. pen

Pressure has scarcely changed.

Winds have increased somewhat in force but are still light.

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.
Sept 26	Rocheport	30.142	61	59	N	3	5	NW	4	c	-	4
	Hearts Cont ⁵	29.992	40	40	NE	3	3	S	9	o	0.20	4

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870. September 28th

Wednesday

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Clouds (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturbance (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	30.33	57	54	SSW	4	2	SSW	—	loc	—	4
* Skudesnaes ...	30.40	—	48	NW	2	0	Z	—	b of	—	4
* Oxo (Christiansand)	30.35	49	48	ENE	2	2	WSW	—	b	—	4
Thurso ...	30.257	52	50	SSW	2	2	SSW	0	b	—	2
Wick ...	30.247	55	53	SSE	3	4	SSE	3	c	—	3
Nairn ...	30.307	55	52	SW	1	1	SW	0	bm	—	0
Aberdeen ...	30.377	54	53	S	1	1	E	9	com	—	1
Leith ...	30.347	51	51	SE	2	3	E	0	of	—	—
Shields ...	30.407	54	52	S	2	2	NNE	8	co	—	1
Scarborough ...	30.417	52	52	Z	0	2	NE	9	b f	—	1
Yarmouth ...	30.367	58	58	ENE	3	3	NE	0	b	—	3
Ardrossan ...	30.377	54	53	ENE	3	5	ENE	5	cf	—	2
Greencastle ...	30.337	56	55	SSW	1	1	SE	9	cm	—	—
Holyhead ...	30.337	59	58	WNW	2	2	NNW	2	b	—	—
Liverpool ...	30.377	56	53	W	1	1	W	3	cf	—	1
Valencia ...	30.307	57	56	S	1	3	SSW	1	rb	0.01	1
Crookhaven ...	30.277	55	54	E	1	3	SSE	9	lo	—	0
Roche's Point	30.327	55	53	E	1	2	SE	9	bm	—	1
Pembroke ...	30.297	56	53	NE	2	3	WNW	2	m	—	0
Penzance ...	30.307	58	55	ENE	1	3	NE	0	b	—	1
Plymouth ...	30.277	56	54	Z	0	2	SE	0	b f	—	0
Portsmouth ...	30.307	—	—	E	1	4	ESE	2	c	—	1
Dover ...	30.327	60	60	E	1	4	ENE	3	b	—	1
London ...	30.337	55	54	E	1	3	E	6	bm	—	—
Helder ...	30.38	56	—	ENE	2	—	—	—	—	—	2
Cape Gris Nez	30.297	55	53	ENE	3	4	E	0	b f	—	1
Brest ...	30.167	54	54	NNE	3	4	N	5	bc	—	4
L'Orient ...											
Rochefort ...											
Biarritz ...											
Corunna ...											
Brussels ...											
Paris ...											
Strasbourg ...											
Lyons ...											
Toulon ...											
Heart's Content (9 a.m. local time.)	29.907	32	—	N	2	2	N	9	0	0.843	3

2 P.M. REPORT.

Skudesnaes ...											
Thurso ...											
Scarborough ...	30.41	56	56	Z	0	—	—	9	f	—	1
Greencastle ...	30.33	60	58	Z	0	—	—	3	sc	—	—
Valencia ..											
Penzance ...											
London ...	30.32	69	60	E	2	—	—	6	bc	—	—
Rochefort ...											

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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.

Wednes. day

Since yesterday morning barometrical pressure has decreased somewhat in the north and increased in the south of these Islands and in Norway. Readings are now highest in the east of England, but very uniform, - that at Scarborough exceeding that at Thurso by only 0.16 in. -

Temperature has risen in the north of Scotland - 10° at Thurso and Wick - but has not changed much elsewhere.

Winds are still very light. - In direction they are E. in the south of England and Ireland and variable elsewhere.

Weather is cloudy, with much fog and mist, and slight rain at Valencia. The sea is rather disturbed in Norway, but very calm elsewhere.

2 P.M. No important change; but very few telegrams have arrived.

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.
SEPT:												
27 th	Shields	30.35r	56	53	NNW	2	3	S	8	bm	-	1
"	L'Orient	30.18r	-	-	NE	1	4	WNW	3	c	-	2
"	Rocheport	30.13s	59	57	NE	1	5	NW	3	c	-	0

Meteorological Office,

ROBERT H. SCOTT,

DIRECTOR.

EIGHT A.M.

WEATHER REPORT. 1870.

September 29th

Thurs-day

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturb. (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
*Christiansund	30.27	45	45	Z	0	0	Z	—	b	—	2
*Skudesnaes ...	30.42	50	50	E	2	0	Z	—	o	—	2
Oxo(Christiansand)	30.39	49	49	NE	2	4	SW	—	b of	—	1
Thurso ...	30.25f	55	53	S	2	1	S	5	c	—	1
Wick ...	30.27f	57	55	SSE	3	3	SSE	7	c	—	3
Nairn ...	30.31r	57	54	Z	0	1	SW	0	bm	—	0
Aberdeen ...	30.36r	51	50	S	1	2	SSW	1	f	—	0
Leith ...	30.37f	49	49	NW	2	2	E	1	of	—	—
Shields ...	30.41r	56	55	SW	2	3	ESE	0	f	—	2
Scarborough ...	30.46r	50	49	SSW	1	0	Z	7	f	—	1
Yarmouth ...	30.44r	57	57	ESE	3	3	ENE	5	b f	—	3
Ardrossan ...	30.39r	55	53	ENE	1	1	S	1	m f	—	1
Greencastle ...	30.38r	56	55	SW	1	1	SSW	5	m	—	—
Holyhead ...	30.40r	59	57	ESE	2	2	WNW	2	b	—	—
Liverpool ...	30.35r	53	51	SE	1	1	NE	2	c f	—	1
Valencia ...	30.40r	57	55	SSE	1	2	S	0	b r	—	1
Crookhaven ...	30.37r	55	54	SSE	1	1	ESE	9	f	—	0
Roche's Point	30.38r	55	55	Z	0	1	E	9	f	—	1
Pembroke ...	30.36r	56	53	ENE	2	1	E	0	m	—	0
Penzance ...	30.36r	59	56	E	9	4	NE	0	b	—	1
Plymouth ...	30.35r	55	53	Z	0	2	E	0	b f	—	0
Portsmouth ...	30.38r	—	—	ENE	1	3	ESE	4	c	—	1
Dover ...	30.38r	60	60	E	2	4	ENE	0	b	—	1
London ...	30.40r	53	51	E	1	2	E	0	bm	—	—
Helder ...	30.43	55	—	NW	2	—	—	—	—	—	2
Cape Gris Nez	30.36r	56	52	E	1	4	NE	0	b	—	1
Brest ...	30.24r	50	50	NE	3	4	NNE	0	b	—	2
L'Orient ...	—	—	—	—	—	—	—	—	—	—	—
Rochefort ...	30.24r	59	57	SE	4	4	N	5	b c	—	3
Biarritz ...	—	—	—	—	—	—	—	—	—	—	—
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	30.26r	63	54	E	1	3	E	6	c	—	1
Heart's Content (9 a.m. local time.)	30.022	46	45	SW	1	2	N	8	o	—	2

2 P.M. REPORT.

Skudesnaes ...	—	—	—	—	—	—	—	—	—	—	—
Thurso ...	30.33	59	57x	SE	0	—	—	8	o	—	0
Scarborough ...	30.46	57	55	SE	2	—	—	1	b	—	2
Greencastle ...	30.40	62	59	SE	1	—	—	3	m	—	—
Valencia ...	30.41	61	58x	SSE	2	—	—	4	m	—	1
Penzance ...	30.36	64	59x	SSE	3	—	—	0	b	—	2
London ...	30.39	67	58x	E	2	—	—	2	b	—	—
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.

September 30th

Fri-day

STATIONS.	Barometer.	Thermometer.		Present Wind.		Extreme Wind.		Amount of Cloud. (0 to 9.)	Weather.	Rain. (Inches)	Sea Disturbance (0 to 9.)
		Dry.	Wet.	Direction.	Force. (0 to 12.)	Force. (0 to 12.)	Direction.				
* Christiansund	30.45	49	48	ENE	2	6	WSW	—	o	—	—
* Skudesnaes ...	30.50	51	49	ESE	2	0	Z	—	o	—	4
* Oxo (Christiansand)	30.45	46	44	W	4	4	SW	—	b	—	2
Thurso ...	30.40s	53	51	SSE	1	0	Z	3	mc	0.10	1
Wick ...	30.40r	55	54	S	3	3	SSE	5	c	—	2
Nairn ...	30.42r	50	49	Z	0	0	Z	0	b m	—	0
Aberdeen ...	30.47r	52	51	Z	0	1	N	0	f m	—	0
Leith ...	30.45r	46	46	NNE	1	2	NW	1	b f	—	—
Shields ...	30.51r	47	46	S	2	2	E	0	b f	—	1
Scarborough ...	30.54r	52	51	S	1	2	S	4	b o	—	1
Yarmouth ...	30.50r	54	53	E	3	3	NE	4	c	—	3
Ardrossan ...	30.48r	55	53	ENE	1	1	SE	1	f	—	1
Greencastle ...	30.45r	53	52	SW	1	1	S	4	m f	—	—
Holyhead ...	30.45r	59	57	SSE	2	2	WNW	2	b	—	—
Liverpool ...	30.49f	53	50	SE	3	1	SE	3	c f	—	1
Valencia ...	30.43r	52	51	W	2	3	W	4	m f	—	3
Crookhaven ...	30.39r	55	54	E	2	1	SSE	0	b	—	0
Roche's Point	30.41r	56	54	Z	0	1	SSE	1	f b	—	1
Pembroke ...	30.42r	53	51	ENE	2	1	N	1	m	—	0
Penzance ...	30.41r	58	56	ENE	3	3	NE	8	b o	—	3
Plymouth ...	30.42s	56	55	E	4	2	E	4	b r	—	1
Portsmouth ...	30.44r	—	—	E	3	2	ESE	3	c	—	2
Dover ...	30.45r	61	61	E	3	4	N	5	b c	—	2
London ...	30.46r	55	52	E	2	3	E	4	m b o	—	—
Helder ...	30.50	52	—	SE	4	—	—	—	—	—	2
Cape Gris Nez	30.43r	51	49	E	4	4	E	4	b f	—	3
Brest ...	30.25r	55	51	ENE	4	4	ENE	0	b	—	3
L'Orient ...	—	—	—	—	—	—	—	—	—	—	—
Rochefort ...	30.242	56	45	E	4	4	N	0	c b	—	3
Biarritz ...	—	—	—	—	—	—	—	—	—	—	—
Corunna ...	—	—	—	—	—	—	—	—	—	—	—
Brussels ...	—	—	—	—	—	—	—	—	—	—	—
Paris ...	—	—	—	—	—	—	—	—	—	—	—
Strasbourg ...	—	—	—	—	—	—	—	—	—	—	—
Lyons ...	—	—	—	—	—	—	—	—	—	—	—
Toulon ...	—	—	—	—	—	—	—	—	—	—	—
Heart's Content (9 a.m. local time.)	30.382	39	38	E	2	2	E	9	s p o	0.07	3

2 P.M. REPORT.

Skudesnaes ...	30.55	50	49	ESE	4	—	—	—	o	—	3
Thurso ...	30.42	67	60	Z	0	—	—	4	e	—	0
Scarborough ...	30.56	56	53	SSE	3	—	—	2	c b	—	2
Greencastle ...	30.46	61	58	SW	1	—	—	3	eu	—	2
Valencia ..	30.43	60	58	E	3	—	—	1	f b	—	2
Penzance ...	30.43	59	56	E	5	—	—	6	o c	—	3
London ...	30.47	61	55	NE	1	—	—	3	b	—	—
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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