

1164

METEOROLOGICAL OFFICE.

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DAILY WEATHER REPORTS.

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1<sup>ST</sup> JULY — 31<sup>ST</sup> DECEMBER,  
1878.



MAP SHOWING ALL THE STATIONS REPORTING BY TELEGRAPH  
DAILY TO THE METEOROLOGICAL OFFICE, JAN. 1, 1878.

*Davies & Co. Ltd., London.*



# DAILY WEATHER REPORT OCT 1<sup>st</sup> 1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sun. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.			
			Dirco.	Force. (0 to 12).			Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirco.	Force. (0 to 12).			Max.	Min.				
Haparanda ...	29.49	38	N	2	r	29.31	- .31	34	34	- 3	N	2	r	*	43	30	0.28		
Hernösand ...	29.61	34	Z	0	b	29.43	- .24	39	36	+ 5	N	2	bc	*	*	*	-		
Stockholm ...	29.59	40	Z	0	c	29.46	- .29	39	36	- 1	NNE	4	r	*	*	*	0.08		
Wisby ...	29.63	43	N	4	b	29.44	- .26	47	45	- 2	NTN	6	r	*	*	*	0.12		
Christiansund ...	29.62	42	N	3	o	29.62	- .10	42	40	+ 1	SSTN	3	c	3	45	34	0.32		
Skudesnaes ...	29.65	43	NNE	3	b	29.67	- .12	43	41	- 1	STN	2	r	3	48	43	0.08		
Oxö (Klansand) ...	29.60	48	NNE	2	c	29.65	- .11	44	39	0	NTN	4	b	2	50	39	-		
Skagen (The Seaw) ...	29.53	49	Z	0	bc	29.63	- .10	47	42	- 4	N	2	bc	2	55	41	-		
Fanö ...	29.54	47	ENE	4	r	29.72	- .09	50	46	- 1	NTN	4	b	*	44	43	0.24		
Cuxhaven ...	29.57	55	N	3	r	29.76	- .10	53	51	+ 1	N	5	c	*	55	48	0.56		
Sumburgh Head ...	29.84	44	N	4	b	29.87	- .02	47	44	+ 4	NNE	5	c	5	50	40	0.05		
Stornoway ...	29.91	48	E	5	bc	30.07	+ .32	43	42	- 5	N	3	r	3	50	39	0.01		
Thurso ...	29.91	48	NE	2	bc	30.01	+ .17	48	47	+ 2	NNN	3	bc	3	54	44	0.10		
Wick ...	29.91	44	NNE	2	bc	29.99	+ .18	46	45	- 1	NTN	1	o	0	52	38	0.24		
Nairn ...	29.88	46	E	2	o	30.06	+ .29	38	37	- 8	N	0	c	2	50	38	0.08		
Aberdeen ...	29.85	48	N	3	b	29.98	+ .23	43	40	- 4	NTN	3	b	2	51	40	0.12		
Leith ...	29.82	48	ENE	4	r	30.03	+ .40	47	43	- 3	N	1	b	*	50	41	0.12		
Shields ...	29.79	51	N	6	o	30.03	+ .46	46	43	- 9	N	2	bc	3	56	44	0.11		
Scarborough ...	29.72	51	NNE	5	o	30.02	+ .45	47	44	- 7	NNN	2	o	3	58	45	0.10		
York ...	29.73	52	N	2	r	30.04	+ .49	45	44	- 9	NE	1	r	*	61	44	0.38		
Nottingham ...	29.76	54	NE	2	r	30.05	+ .50	48	47	- 5	N	1	r	*	57	48	0.10		
Ardrossan ...	29.80	50	NE	2	o	30.03	+ .40	45	43	- 6	NE	2	bcu	1	53	45	0.07		
Greencastle ...	29.76	55	STN	2	o	30.03	+ .38	49	48	- 4	ENE	2	o	*	58	47	0.13		
Donaghadee ...	29.83	52	NE	4	r	30.03	+ .42	48	48	- 5	E	5	o	4	53	48	0.22		
Kingstown ...	29.84	58	NSTN	2	bc	30.02	+ .33	53	51	0	N	4	b	3	60	50	-		
Holyhead ...	29.82	54	NNN	4	m	29.99	+ .35	55	53	+ 2	N	3	o	2	56	52	0.48		
Liverpool (Bidston) ...	29.78	53	N	3	o	29.99	+ .41	50	49	- 2	SE	2	m	1	56	50	0.09		
Valencia ...	29.91	53	NSTN	2	c	30.11	+ .24	52	52	- 6	N	0	o	1	60	51	0.21		
Roche's Point ...	29.92	59	N	4	r	30.09	+ .24	50	47	- 4	NTN	2	b	2	62	48	0.16		
Pembroke ...	29.89	57	N	6	o	30.05	+ .29	56	54	0	NTN	1	b	1	58	52	-		
Portishead ...	29.86	56	N	6	bc	30.01	+ .28	57	51	- 4	N	0	bcu	1	62	47	-		
Seilly ...	29.98	58	N	5	o	30.10	+ .19	58	56	0	NNN	5	b	5	61	54	0.19		
Plymouth ...	29.95	58	N	3	b	30.05	+ .20	52	52	- 4	N	0	b	*	64	-	0.43		
Hurst Castle ...	29.90	60	NNN	4	b	30.01	+ .25	54	53	- 5	NE	3	b	2	65	50	0.04		
Dover ...	29.79	59	NNN	5	b	30.07	+ .31	54	52	- 7	NNN	2	o	1	64	53	-		
London ...	29.82	59	NNN	4	c	30.02	+ .35	53	51	- 3	N	0	b	*	64	52	-		
Oxford ...	29.82	56	N	3	bc	30.03	+ .36	57	50	- 4	NE	1	b	*	61	50	-		
Cambridge ...	29.71	56	NSTN	3	o	30.07	+ .41	51	50	- 1	NTN	1	o	*	58	48	-		
Yarmouth ...	29.65	56	NNN	5	o	30.00	+ .37	50	49	- 8	NTN	1	cf	3	59	46	0.57		
The Helder ...	*	*	*	*	*	29.92	+ .17	55	48	- 1	NTN	2	c	*	*	*	0.16		
Cape Gris Nez ...	29.87	61	N	8	o	30.02	+ .28	55	54	- 6	NNN	2	o	2	63	48	-		
Jersey ...	30.02	59	NNN	6	b	29.94	+ .04	58	58	- 1	N	4	bcu	5	62	56	0.16		
Brest ...	30.09	59	NNN	3	b	30.09	+ .12	55	54	- 2	NNN	3	b	4	64	54	0.04		
L'Orient ...	30.11	59	NN	4	bc	30.11	+ .07	55	54	- 4	NNN	4	bc	4	68	52	-		
Rocheport ...	30.15	66	NN	4	bc	30.18	+ .16	61	57	- 3	NNN	3	bc	3	77	50	-		
Biarritz ...	30.17	66	NSTN	3	o	30.18	0.01	61	57	0	ESE	3	c	3	68	57	-		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Brussels ...	*	*	*	*	*	29.99	+ .20	53	53	- 4	N	1	o	*	65	51	0.08		
Charleville ...	*	*	*	*	*	29.97	+ .12	53	*	+ 4	NSTN	3	o	*	*	*	*		
Paris ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Lyons ...	*	*	*	*	*	30.14	+ .08	63	*	+ 2	N	2	b	*	*	*	*		
Toulon ...	30.07	66	N	3	m	30.06	0.01	64	59	?	NTN	4	b	3	70	59	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	λ	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.67	48	41	NNN	4	bc	2	Valencia .....	29.90	58	55	N	3	o	4
Thurso .....	29.88	51	46	ENE	2	b	2	Seilly .....	29.99	60	58	N	5	c	5
Scarborough ...	29.57	58	56	NNE	3	bc	3	London .....	29.74	63	55	NNN	5	cg	*
Greencastle ...	29.71	57	54	N	2	o	*	Rocheport ...	30.09	64	61	NNN	4	bc	3.
Holyhead .....	29.77	53	52	NNN	7	r	6								

Pressure has increased generally since the morning, but has been steady since noon at Valencia. Wind remains E<sup>2</sup> in the N. and N<sup>2</sup> to N N<sup>2</sup> in the S.

## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

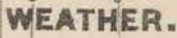
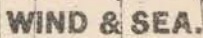
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.



## WEATHER CHARTS

for 8 a.m. on Tuesday 1<sup>st</sup> October 1878.



REMARKS. Weather is moderately fine this morning at the majority of our stations, but a good deal of fog and mist prevails, while at Nottingham, Limerick, Skudonnes and over the Baltic rain is falling. Rain has occurred during the past 24 hours at nearly all but our SE stations, the falls being slight in most cases, but amounting to half an inch at Cuthbert, Holyhead and Yarmouth. Temperature has decreased in most places, - chiefly in the E and N. of England - it ranges from 58° at Sicily to 45° at York and 38° at Rangoon. Winds is light and varies a good deal in direction, but is generally E in the NW, and N<sup>W</sup> to NW elsewhere. Sea is slight or smooth except in the Channel. Barometrical Indications - Pressure has decreased over Sweden and the N. of Norway, but has increased over the Islands. It is lowest over the Gulf of Bothnia, and highest in the SW of France, and off our SW. coasts, but readings are very uniform over the United Kingdom.



# DAILY WEATHER REPORT OCTOBER 2<sup>ND</sup> 1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Direc.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 32° F. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.34	34	SW	2	0	29.30	-.01	40	39	+ 6	W	0	c	*	?	30	0.12	
Hernösand ...	29.48	39	W	0	0	29.49	+ .06	44	38	+ 5	NN	4	bc	*	*	*	0.04	
Stockholm ...	29.52	41	SW	2	0	29.65	+ .19	43	40	+ 2	NN	4	c	*	*	*	0.28	
Wisby ...	29.57	49	NNW	9	0	29.71	+ .27	48	44	+ 1	NN	8	bc	*	*	*	-	
Christiansund ...	29.73	46	NT	6	c	29.87	+ .19	45	43	+ 3	NT	6	c	5	46	34	0.35	
Skudesnaes ...	29.84	47	NNW	4	r	30.04	+ .37	48	43	+ 5	NT	6	o	3	?	43	0.04	
Oxö (Xtiansand) ...	29.74	47	NT	4	0	29.97	+ .32	46	42	+ 2	NNW	2	0	2	52	43	-	
Skagen (The Seaw) ...	29.75	49	NNW	2	0	29.92	+ .29	50	43	+ 3	NNW	3	0	2	57	41	-	
Fanö ...	29.86	50	NN	6	c	30.02	+ .30	53	49	+ 3	NN	6	0	*	54	45	0.12	
Cuxhaven ...	29.91	52	NNW	5	r	30.12	+ .36	55	52	+ 2	NNW	4	0	*	?	46	0.13	
Sumburgh Head ...	30.05	45	NNE	4	0	30.12	+ .25	43	42	- 4	NNE	3	bc	2	50	41	0.08	
Stornoway ...	30.17	45	NT	2	bc	30.14	+ .07	42	41	- 1	W	0	ef	0	50	36	0.02	
Thurso ...	30.16	48	NNW	3	0	30.20	+ .19	42	41	- 6	SSE	1	c	3	54	41	0.02	
Wick ...	30.07	43	N	2	bc	30.18	+ .19	42	41	- 4	NT	1	bc	0	53	35	0.04	
Nairn ...	30.17	47	NNW	1	c	30.21	+ .15	46	35	- 2	W	0	c	1	57	33	0.02	
Aberdeen ...	30.13	48	NNW	2	0	30.24	+ .26	38	37	- 5	NNW	1	0	1	52	35	-	
Leith ...	30.13	45	E	1	0	30.23	+ .20	39	39	- 8	W	0	bcw	*	59	34	-	
Shields ...	30.14	49	N	2	0	30.30	+ .27	44	41	- 2	NNW	1	0	3	52	36	-	
Scarborough ...	30.21	47	NNW	2	0	30.30	+ .28	45	44	- 2	N	1	0	2	51	41	-	
York ...	30.15	44	NT	1	0	30.32	+ .28	37	37	- 8	NNW	1	0	*	50	33	0.15	
Nottingham ...	30.15	45	N	1	0	30.35	+ .30	37	37	- 11	W	0	g	*	50	35	0.18	
Ardrossan ...	30.15	47	NE	2	0	30.23	+ .20	42	40	- 3	NE	2	bcw	1	57	38	-	
Greencastle ...	30.14	49	NE	2	0	30.19	+ .16	42	42	- 7	ESE	1	c	*	56	37	-	
Donaghadee ...	30.19	50	NT	3	0	30.23	+ .20	46	45	- 2	S	3	0	2	53	40	-	
Kingstown ...	30.17	53	NE	4	c	30.25	+ .23	48	45	- 5	S	2	bcf	2	57	46	-	
Holyhead ...	30.14	51	NE	4	0	30.23	+ .24	45	44	- 10	S	1	bcw	1	56	43	0.10	
Liverpool (Bidston) ...	30.14	47	ENE	1	m	30.29	+ .20	40	40	- 10	ESE	2	g	1	50	39	0.46	
Valencia ...	30.15	53	NT	1	c	30.17	+ .06	56	53	+ 4	ESE	4	0	4	62	46	-	
Roche's Point... ..	30.18	58	NNW	2	c	30.19	+ .10	56	53	+ 6	SSE	3	bc	3	61	48	-	
Pembroke ...	30.12	57	NNW	2	0	30.23	+ .18	55	53	- 1	ESE	4	0	2	58	48	-	
Portishead ...	30.11	57	W	0	bc	30.29	+ .28	50	49	- 1	NNE	2	o	2	64	48	-	
Scilly ...	30.17	57	NNW	3	0	30.23	+ .13	58	56	0	SSE	3	cw	3	60	53	0.07	
Plymouth ...	30.14	57	NT	2	0	30.25	+ .20	55	54	+ 3	E	3	o	*	64	51	-	
Hurst Castle ...	30.08	60	N	3	bc	30.27	+ .26	52	50	- 2	NE	4	bc	3	65	49	-	
Dover ...	30.08	56	N		bc	30.30	+ .29	54	50	0	NNE	2	bc	2	60	51	0.08	
London ...	30.09	59	N	1	c	30.32	+ .30	45	43	- 8	ENE	1	bcw	*	60	39	0.04	
Oxford ...	30.06	56	W	0	0	30.33	+ .30	43	42	- 8	NNE	1	o	*	62	41	-	
Cambridge ...	30.10	47	NE	1	r	30.35	+ .28	38	38	- 13	N	1	0	*	56	33	0.10	
Yarmouth ...	30.10	48	NT	1	0	30.30	+ .30	45	44	- 5	NNW	1	bcw	3	53	40	0.15	
The Helder ...	*	*	*	*	*	30.23	+ .31	55	49	0	NT	2	bc	*	*	*	0.04	
Cape Gris Nez ...	30.08	57	NE	1	0	30.28	+ .26	54	52	- 1	SSE	2	bc	0	63	50	0.08	
Jersey ...	30.17	57	NT	3	0	30.29	+ .35	59	57	+ 1	W	0	bcw	0	62	53	-	
Brest ...	30.21	?	N	2	0	30.25	+ .16	52	52	- 3	SE	2	m	3	61	48	-	
L'Orient ...	30.19	59	NT	3	0	30.29	+ .18	50	50	- 5	ENE	2	bc	2	68	46	-	
Rochefort ...	30.15	64	NT	3	0	30.25	+ .07	58	54	- 6	ENE	3	0	3	77	48	-	
Biarritz ...	30.19	68	NNW	3	0	30.24	+ .06	59	55	- 2	E	2	0	3	68	57	-	
Corunna ...	*	*	*	*	*			*	*					*	*	*	*	
Brussels ...	*	*	*	*	*	30.31	+ .32	47	47	- 6	NNW	1	g	*	61	46	0.16	
Charleville ...	*	*	*	*	*	30.26	+ .29	43	*	- 10	N	3	0	*	*	*	*	
Paris ...	30.06	57	SW	1	bc	30.32	+ .25	52	49	- 2	ESE	3	0	*	*	*	-	
Lyons ...	*	*	*	*	*	30.21	+ .07	63	*	0	NE	2	c	*	*	*	*	
Toulon ...	30.02	66	NT	5	0	30.04	- .02	59	52	- 5	NT	6	0	6	72	59	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes ...	29.78	49	44	NN	6	c	3	Valencia .....	30.15	60	55	NNN	1	2
Thurso .....	30.10	50	45	NNN	4	c	4	Scilly .....	30.15	60	57	NNN	3	4
Scarborough ...	30.09	50	45	NNN	3	bc	3	London .....	30.07	60	55	N	1	*
Greencastle ...	30.10	56	50	NNE	2	c	*	Rochefort ...	30.15	66	63	NNN	5	3
Holyhead .....	30.05	53	52	NE	6	tg	4							

Pressure is increasing in all places, and is very uniform over these Islands. Winds are N<sup>W</sup> (NW to NE) on all coasts, and are light in force except at Holyhead.

## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

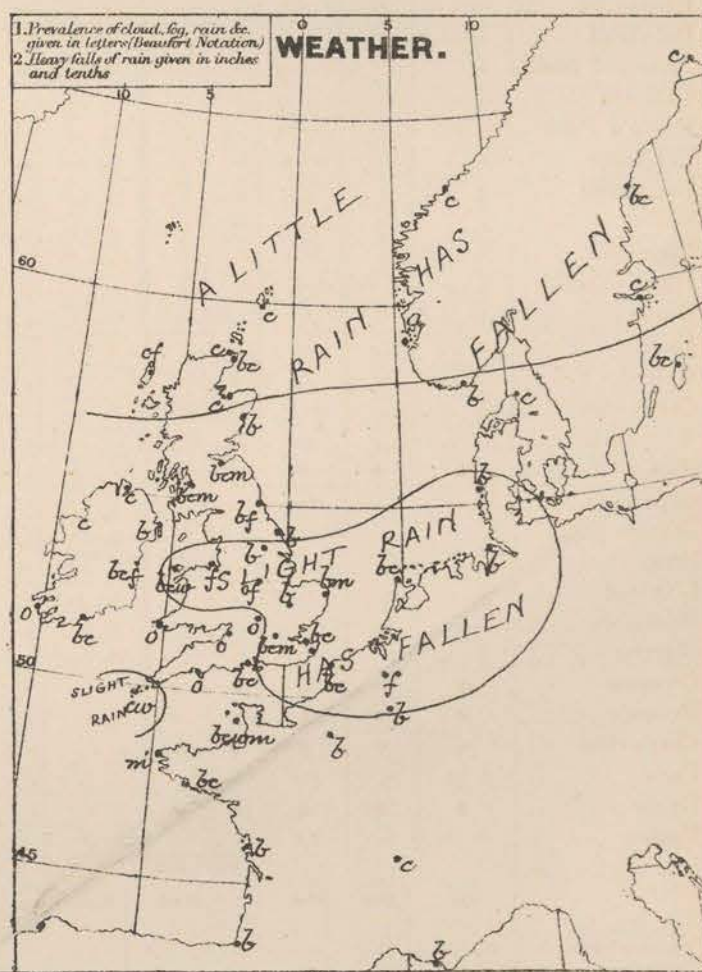
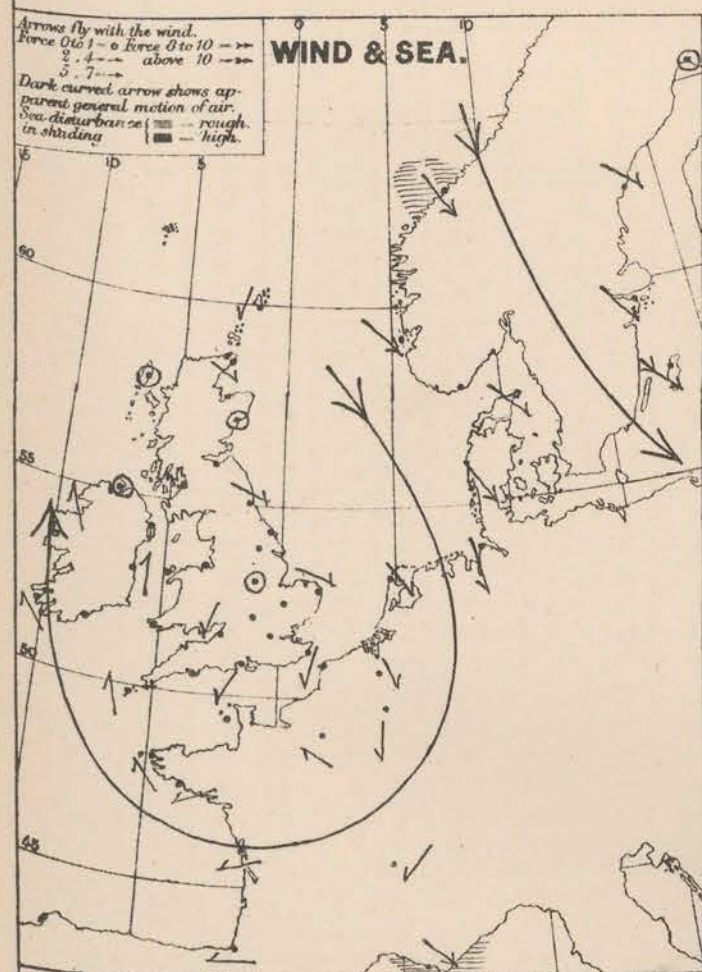
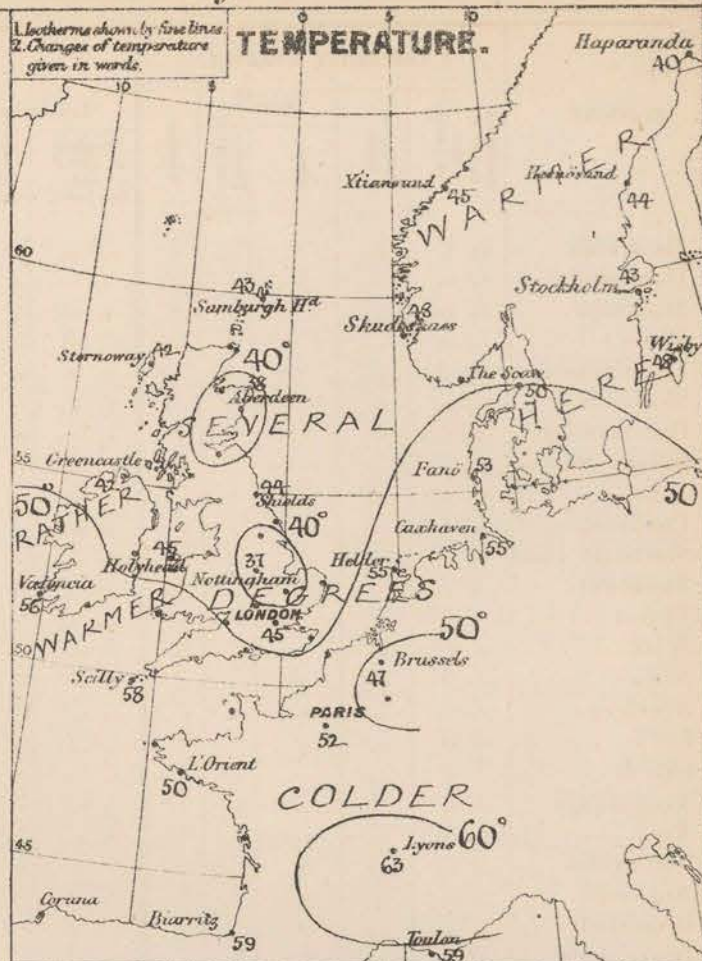
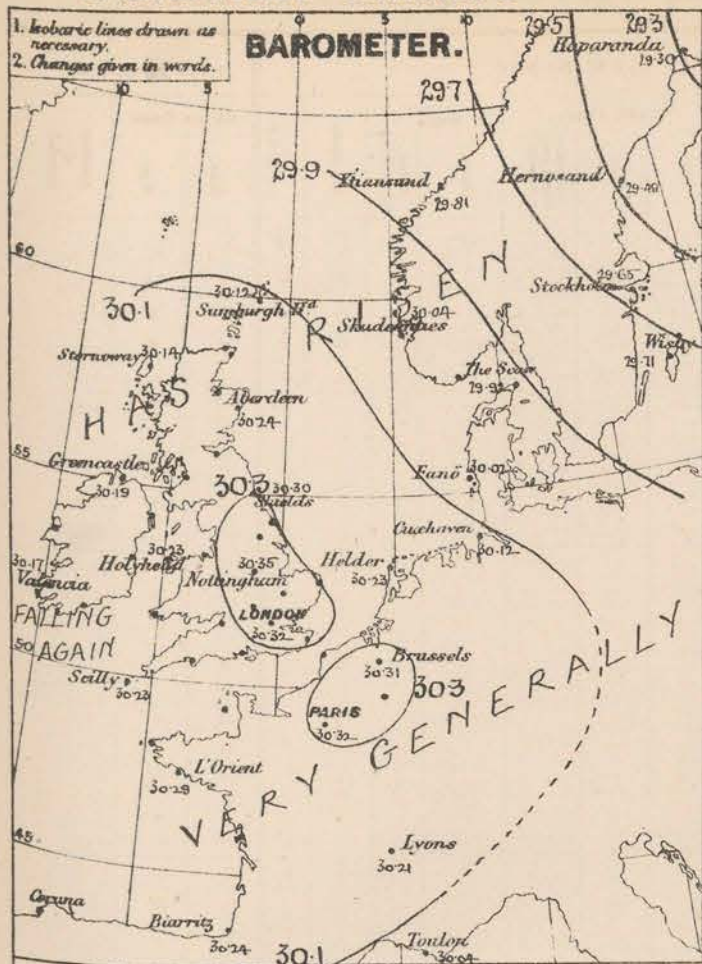
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.



**WEATHER CHARTS** for 8 a.m. on Wednesday 2<sup>nd</sup> October 1878.



**REMARKS.** Weather this morning is fine over the whole of the United Kingdom, the North Sea and France, with fog or haze at several of the English stations, but on our W<sup>coasts</sup> the sky has become overcast. Rain fell on the N and E yesterday, but the amount was generally small. Temperature has fallen several degrees over England and France, and has been as low as 33° in the shade both at Cambridge and York during the night. On our SW coasts, however, it is rising, and the bar. reading at Scilly (58°) is 21° higher than that at Nottingham. Wind is moderate from SE and S. on our W<sup>coasts</sup>, very light from W. in the E, strong from NW at St. Denis and France, and light from the E in the Channel and France. Sea is moderate to smooth.

Barometrical Indications. In the course of the past 24 hours the barometer has risen generally, and the rise appears to be still in progress at all the E<sup>th</sup> and NE<sup>th</sup> stations. An anticyclone lies over our Islands, France, and the Bay of Biscay, but the mercury is falling a little in the west.



# DAILY WEATHER REPORT OCT 3<sup>RD</sup> 1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer Reading at 32° F. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 5.)	SHADE TEMP.		Amount of Rainfall.			
			Dir.	Force. (0 to 12).			Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.				
Haparanda ...	29.34	36	W	0	0	29.46	+ .16	38	36	- 2	NW	2	bc	*	?	34	-		
Hernösand ...	29.57	42	SW	4	0	29.82	+ .33	42	37	- 2	WSW	6	bc	*	*	*	-		
Stockholm ...	29.89	44	SW	4	0	29.97	+ .32	43	42	0	SW	2	c	*	*	*	-		
Wiesby ...	29.93	50	NNW	8	0	29.98	+ .27	49	45	+ 1	NW	6	bc	*	*	*	-		
Christiansund ...	29.95	44	W	9	0	?	?	42	41	- 3	S	6	c	5	45	36	0.43		
Skudesnaes ...	30.13	45	S	2	+	30.04	- .09	48	45	0	ESE	6	0	4	48	45	0.04		
Oxö (Tjanesand) ...	30.11	48	W	4	0	30.12	+ .15	46	44	0	W	2	0	1	52	43	-		
Skagen (The Seaw) ...	30.05	50	NNW	4	0	30.12	+ .20	50	45	0	NNW	4	0	4	63	43	-		
Fanö ...	30.24	49	NW	4	0	30.19	+ .17	52	48	- 1	NNW	2	0	*	55	46	-		
Cuxhaven ...	30.31	34	NW	3	0	30.28	+ .16	50	49	- 5	SW	1	0	*	55	46	-		
Sumburgh Head ...	30.08	46	SSE	1	0	29.81	- .31	50	50	+ 7	ENE	3	0	3	50	42	0.24		
Stornoway ...	29.92	50	SSE	6	+	29.79	- .35	51	50	+ 9	SSW	4	0	3	54	40	0.81		
Thurso ...	30.06	48	SSE	2	0	29.86	- .34	53	52	+ 11	SSW	1	0	2	54	41	0.12		
Wick ...	30.03	50	SW	2	0	29.85	- .33	54	51	+ 12	W	2	0	1	55	40	0.12		
Nairn ...	30.06	47	W	0	0	29.90	- .31	53	51	+ 17	W	0	0	1	54	36	0.06		
Aberdeen ...	30.14	48	SSW	1	bc	29.93	- .31	53	51	+ 15	SW	1	0	0	54	38	0.06		
Leith ...	30.12	51	SW	1	0	29.96	- .27	57	55	+ 18	WSW	4	0	*	58	38	-		
Shields ...	30.21	50	SSW	2	0	30.05	- .25	52	50	+ 8	WSW	3	0	2	55	41	0.02		
Scarborough ...	30.24	50	S	2	0	30.10	- .20	53	51	+ 8	WSW	3	0	2	55	45	-		
York ...	30.25	51	S	1	0	30.14	- .18	52	51	+ 15	S	1	0	*	56	37	0.02		
Nottingham ...	30.28	52	S	1	0	30.19	- .16	53	53	+ 16	SSW	1	0	*	61	37	0.01		
Ardrossan ...	30.12	55	SE	3	bc	30.02	- .21	57	56	+ 15	W	2	0	2	57	42	0.18		
Greencastle ...	30.08	55	SSW	2	0	30.02	- .17	54	53	+ 12	SSE	2	0	*	61	41	0.19		
Donaghadee ...	30.14	53	SSW	2	bc	30.08	- .15	54	54	+ 8	SW	3	bc	2	56	46	0.03		
Kingstown ...	30.18	57	S	3	0	30.11	- .14	56	54	+ 8	NNW	1	bc	1	58	47	0.07		
Holyhead ...	30.18	56	SSW	2	0	30.13	- .10	57	56	+ 12	SW	3	0	2	58	44	0.13		
Liverpool (Bidston) ...	30.22	53	SSE	2	0	30.14	- .15	57	55	+ 17	SSW	1	0	1	57	43	0.01		
Valencia ...	30.13	58	SSE	3	0	30.07	- .10	58	55	+ 2	SE	3	0	3	60	54	-		
Roche's Point... ..	30.16	56	SSW	4	+	30.13	- .06	58	56	+ 2	SSE	3	bc	3	59	54	0.12		
Pembroke ...	30.22	58	S	2	0	30.17	- .06	58	56	+ 3	S	2	bc	2	60	54	-		
Portishead ...	30.23	56	SW	2	bc	30.20	- .09	53	52	+ 3	SSW	1	bc	1	59	47	-		
Seilly ...	30.23	58	S	5	0	30.17	- .06	59	58	+ 1	SSE	4	0	4	61	57	-		
Plymouth ...	30.25	56	SSE	2	0	30.21	- .04	49	45	- 6	E	1	0	*	62	46	0.04		
Hurst Castle ...	30.26	61	SSW	2	0	30.22	- .05	55	55	+ 3	E	1	bc	2	62	49	-		
Dover ...	30.33	57	SE	2	0	30.26	- .04	56	53	+ 2	SSE	3	0	2	58	53	-		
London ...	30.31	58	SSW	2	0	30.22	- .10	56	53	+ 11	SW	1	0	*	62	45	-		
Oxford ...	30.27	56	W	0	0	30.22	- .11	50	49	+ 7	S	1	0	*	59	42	-		
Cambridge ...	30.29	51	S	1	bc	30.22	- .13	51	51	+ 13	S	1	0	*	60	36	-		
Yarmouth ...	30.31	53	SSW	2	0	30.21	- .09	54	53	+ 9	SSW	3	0	3	55	43	-		
The Helder. ...	*	*	*	*	*	30.29	+ .06	47	46	- 8	S	2	0	*	*	*	-		
Cape Gris Nez ...	30.32	57	S	1	0	30.19	- .09	52	48	- 2	S	2	0	1	64	50	-		
Jersey ...	30.30	58	W	0	0	30.25	- .04	57	54	- 2	SSE	2	bc	2	62	53	-		
Brest ...	30.27	52	S	1	0	30.19	- .06	54	52	+ 2	SE	2	0	3	64	48	-		
L'Orient ...	30.32	57	SSE	1	bc	30.22	- .07	52	50	+ 2	E	3	bc	2	64	50	-		
Rochefort ...	30.29	64	NE	3	0	30.21	- .04	52	50	- 3	E	3	0	3	77	48	-		
Biarritz ...	30.19	68	NNE	4	0	30.16	- .08	52	48	- 7	ENE	3	0	3	72	46	-		
Corunna ...	*	*	*	*	*	30.30	- .01	48	45	+ 1	S	1	0	*	57	44	-		
Brussels ...	*	*	*	*	*	30.24	- .02	45	*	+ 2	SSE	1	0	*	*	*	-		
Charleville ...	*	*	*	*	*	30.27	- .05	47	45	- 5	E	3	0	*	*	*	-		
Paris ...	?	?	?	?	?	30.25	+ .04	55	*	- 8	NNE	2	0	*	*	*	-		
Lyons ...	*	*	*	*	*	30.21	+ .17	66	59	+ 7	E	3	0	3	75	59	-		
Toulon ...	30.38	68	W	0	0	30.21	+ .17	66	59	+ 7	E	3	0	3	75	59	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.12	48	44	NW	2	0	2	Valencia .....	30.14	59	57	SE	3	0	4
Thurso .....	30.14	51	48	SSE	1	0	2	Scilly .....	30.24	60	57	SSE	4	0	4
Scarborough ...	30.28	54	48	SW	2	0	2	London .....	30.31	60	55	S	1	0	*
Greencastle ...	30.12	58	53	SE	2	0	4	Rochefort ...	30.24	72	63	?	2	0	3
Holyhead .....	30.22	56	53	S	3	0	2								

The barometer is falling at all the northern and western stations, but has changed very little in the South. Southerly winds now prevail all over the Kingdom, but are very light.

## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

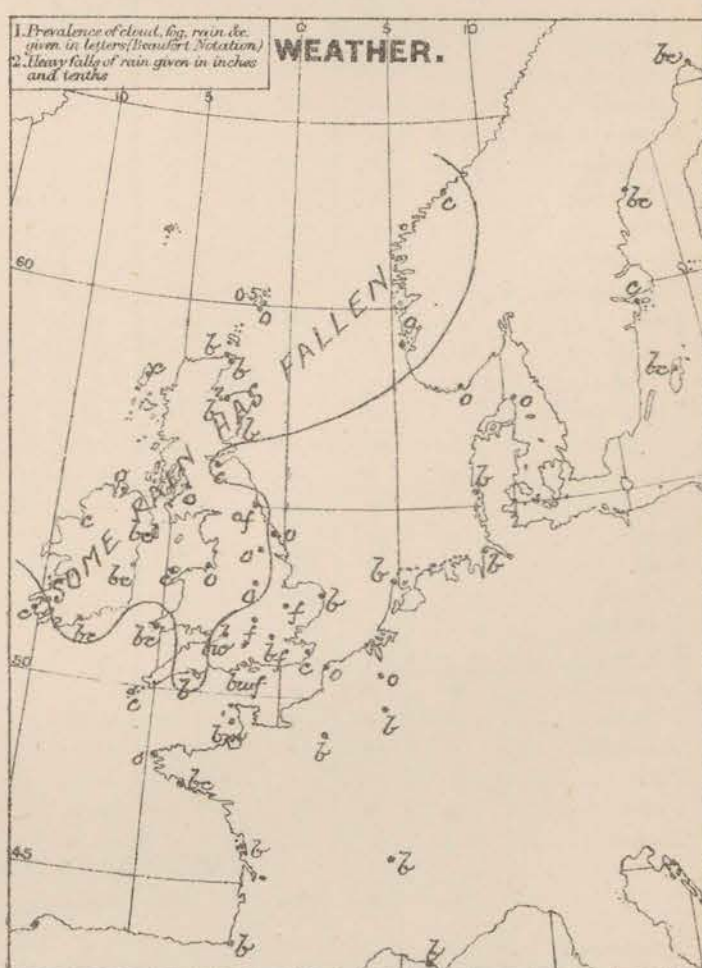
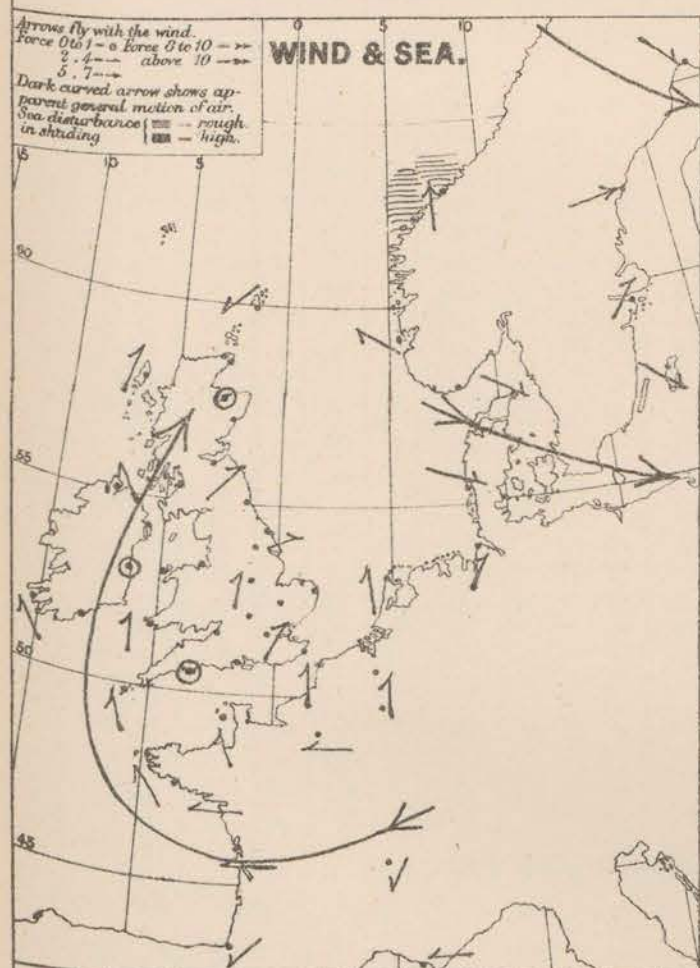
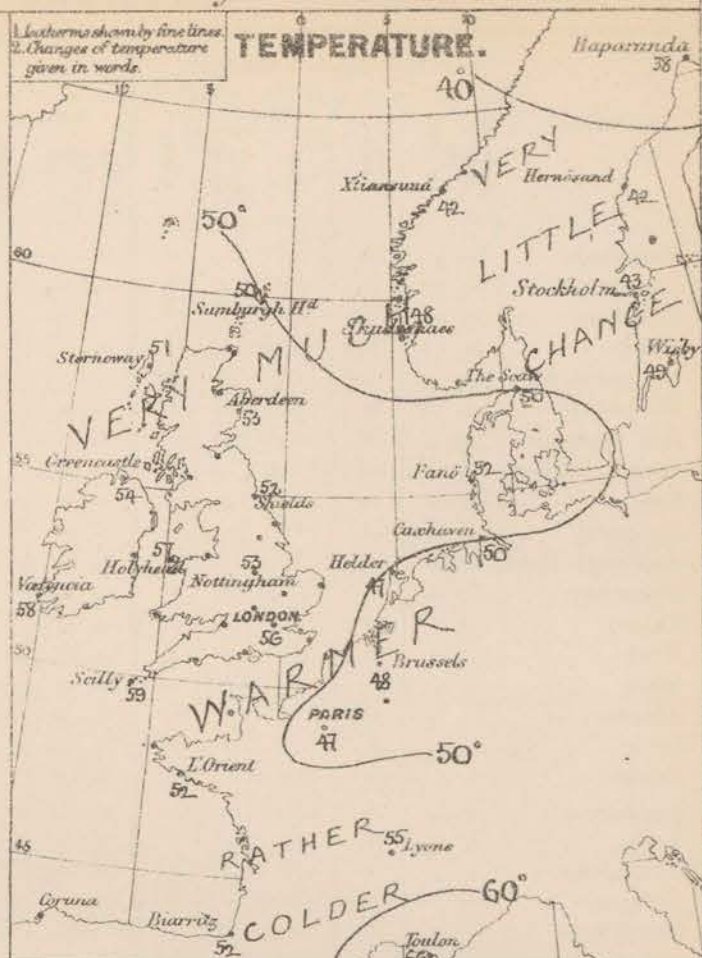
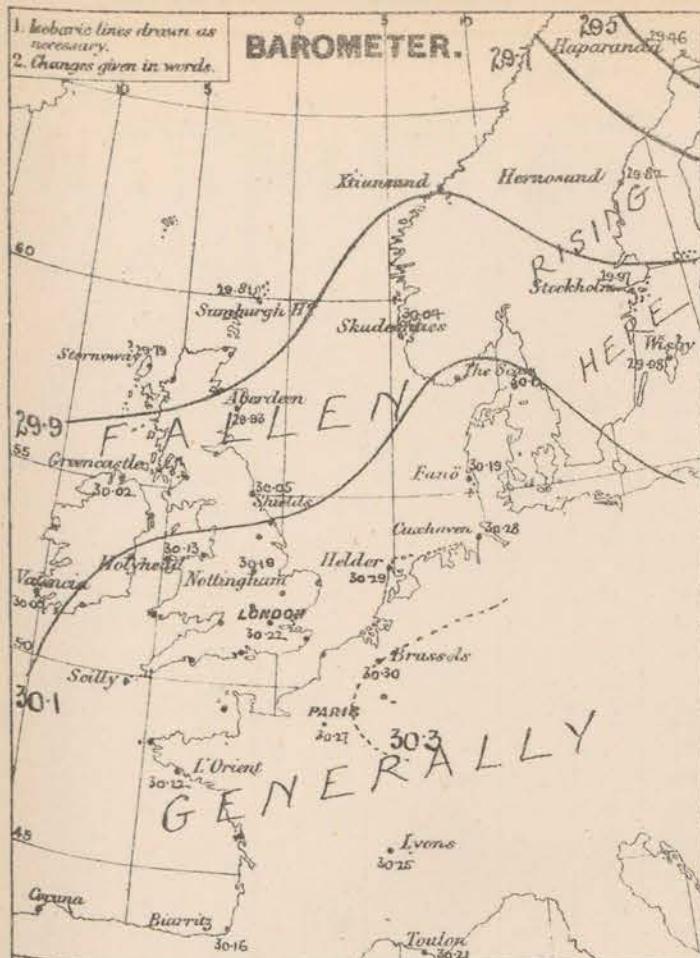
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.



WEATHER CHARTS for 8 a.m. on Thursday 3<sup>rd</sup> OCTOBER 1878.



REMARKS. Weather this morning is fine in nearly all parts of our Islands, but the sky is very cloudy in the NW. and fog prevails at many of the English stations. Rain fell yesterday in all the W<sup>nd</sup> and N<sup>th</sup> districts, but in the S the weather was fine. Temperature has increased very generally. In the inland parts of Scotland and England the rise varies from 10° to 18°, and readings this morning are high generally. Wind is light from E. in the Channel, moderate from SE. on our SW. coasts, and from SW. in the N. and NE. In the W. of Norway a strong breeze from the SE<sup>th</sup> is reported. Sea is moderate to smooth except off the W. of Norway.

Barometrical Indications. In the course of the past 24 hours the barometer has fallen in most places, especially in the N. An area of high pressure lies over France, Holland, and the S. of our Islands, and depressions are passing from SW to NE outside our extreme NW. coasts.



# DAILY WEATHER REPORT OCT<sup>r</sup> 4<sup>th</sup> 1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 5.30 P. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 8.30 P. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.75	32	X	0	b	29.85	+ .39	36	34	- 2	X	0	o	*	45	27	-	
Hernösand ...	29.98	39	X	0	b	29.96	+ .14	33	30	- 9	X	0	c	*	*	*	-	
Stockholm ...	30.08	39	X	0	b	29.93	- .04	46	45	+ 3	S	4	r	*	*	*	-	
Wisby ...	30.07	51	NN	6	b	29.99	+ .01	48	47	- 1	SSH	6	r	*	*	*	-	
Christiansund ...	29.92	41	E	1	b	29.91	?	42	40	0	N	3	r	3	45	26	0.12	
Skudeanaes ...	29.85	34	SSH	6	o	29.90	- .14	49	45	+ 1	NN	8	o	4	34	48	0.12	
Oxö (Klansand) ...	29.97	51	SSE	6	o	29.78	- .34	52	48	+ 6	NNN	6	b	2	52	?	-	
Skagen (The Seaw) ...	30.04	52	SH	4	o	29.82	- .30	52	49	+ 2	NNN	8	o	7	55	45	0.08	
Fanö ...	30.09	55	SH	6	o	30.04	- .15	57	57	+ 5	NN	4	c	*	57	50	0.12	
Cuxhaven ...	30.20	55	SH	1	c	30.18	- .10	57	50	+ 1	SSH	2	bc	*	55	46	-	
Sumburgh Head ...	29.75	46	N	5	c	30.12	+ .31	44	41	- 6	N	3	bc	2	53	39	0.07	
Stornoway ...	29.97	50	NN	2	c	30.03	+ .24	50	48	- 1	E	5	bc	5	54	44	-	
Thurso ...	29.96	51	NN	4	o	30.13	+ .27	47	45	- 6	SSE	1	o	3	58	43	0.07	
Wick ...	29.95	49	NN	3	bc	30.12	+ .27	48	45	- 6	S	2	bc	1	58	43	-	
Nairn ...	29.99	54	SH	2	b	30.11	+ .21	47	46	- 6	ENE	2	r	2	62	46	0.12	
Aberdeen ...	29.96	57	X	0	o	30.13	+ .20	49	47	- 4	SE	1	o	1	64	47	0.09	
Leith ...	29.99	58	N	3	o	30.06	+ .10	57	50	- 6	SE	3	o	*	66	50	0.04	
Shields ...	30.07	61	SSH	1	o	30.11	+ .06	52	51	0	NNN	1	bc	2	65	50	-	
Scarborough ...	30.09	59	NNN	2	c	30.13	+ .03	54	53	+ 1	SE	1	c	1	63	52	0.07	
York ...	30.12	57	N	1	o	30.13	- .01	49	49	- 3	S	1	c	*	65	48	-	
Nottingham ...	30.16	57	X	0	bc	30.15	- .04	54	52	+ 1	SSH	1	bc	*	66	47	-	
Ardrossan ...	30.03	58	NNN	3	o	30.02	00	56	54	- 1	ESE	2	bc	2	59	55	0.03	
Greencastle ...	30.01	59	S	1	o	29.94	- .08	55	54	+ 1	SE	2	o	*	56	52	0.03	
Donaghadee ...	30.07	57	S	2	o	30.01	- .07	56	56	+ 2	SE	5	o	4	64	54	-	
Kingstown ...	30.09	58	SSE	3	o	29.98	- .13	58	57	+ 2	S	3	m	2	61	54	-	
Holyhead ...	30.12	57	SSH	2	o	30.04	- .09	57	56	0	S	2	bc	2	61	54	0.07	
Liverpool (Bidston) ...	30.14	58	SH	1	o	30.08	- .06	52	50	- 5	SE	2	c	1	65	50	-	
Valencia ...	29.94	60	SE	6	o	29.93	- .14	59	58	+ 1	S	2	bc	3	61	56	0.11	
Roche's Point ...	30.04	60	S	5	o	29.96	- .17	58	57	0	NNN	3	o	3	63	57	0.18	
Pembroke ...	30.12	58	SE	2	o	30.04	- .13	60	59	+ 2	SSH	3	bc	3	61	57	0.01	
Portishead ...	30.17	57	SH	2	o	30.11	- .09	57	55	+ 4	SH	3	o	2	63	49	-	
Scilly ...	30.11	58	SSE	5	o	30.06	- .11	60	60	+ 1	S	4	bc	4	60	58	-	
Plymouth ...	30.15	57	ESE	2	o	30.11	- .10	58	57	+ 9	SE	1	bc	*	63	48	0.07	
Hurst Castle ...	30.18	60	S	3	o	30.15	- .07	61	60	+ 6	SSE	3	bc	2	66	52	-	
Dover ...	30.21	59	SH	3	b	30.20	- .06	58	54	+ 2	SSH	2	b	2	62	55	-	
London ...	30.19	60	X	0	bc	30.19	- .03	49	48	- 7	SE	1	bc	*	70	46	-	
Oxford ...	30.17	57	X	0	f	30.16	- .06	53	51	+ 3	S	2	b	*	65	49	-	
Cambridge ...	30.18	55	N	1	m	30.19	- .03	50	50	- 1	SH	1	b	*	67	46	-	
Yarmouth ...	30.17	59	NNN	1	b	30.19	- .02	54	53	0	NNN	2	b	2	62	50	-	
The Helder ...	*	*	*	*	*	30.18	- .11	57	50	+ 4	S	1	bc	*	*	*	-	
Cape Gris Nez ...	30.22	57	SW	1	b	30.21	+ .02	54	50	+ 2	S	2	b	1	63	50	-	
Jersey ...	30.20	59	E	2	o	30.19	- .06	57	54	0	SSH	3	bc	3	63	54	-	
Brast ...	30.15	63	SSE	3	o	30.12	- .07	61	59	+ 7	S	3	o	3	63	52	-	
L'Orient ...	30.19	59	SSE	1	c	30.17	- .05	54	54	+ 2	ESE	2	c	2	64	48	-	
Rochefort ...	30.17	66	NNN	1	bc	30.18	- .06	55	54	+ 3	NE	3	bc	3	75	48	-	
Biarritz ...	30.13	68	ENE	1	b	30.13	- .03	63	57	+ 11	SE	2	b	3	77	52	-	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Brussels ...	*	*	*	*	*	30.26	- .04	47	45	- 1	X	0	c	*	58	44	-	
Charleville ...	*	*	*	*	*	30.21	- .03	42	*	- 3	E	1	b	*	*	*	-	
Paris ...	?	?	?	?	?	30.24	- .03	50	49	+ 3	NN	1	f	*	*	*	-	
Lyons ...	*	*	*	*	*	30.26	+ .01	58	*	+ 3	N	2	b	*	*	*	-	
Toulon ...	30.21	68	E	1	b	30.26	+ .05	64	59	- 2	X	0	b	2	73	59	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudeanaes ...	29.89	53	63	SH	4	f	3	Valencia ...	30.03	61	58	SE	7	og	6
Thurso .....	29.91	52	51	NNN	4	o	3	Scilly .....	30.13	59	57	SE	5	o	3
Scarborough ...	30.09	63	58	NNN	2	c	2	London .....	30.21	65	59	SH	2	bc	*
Greencastle ...	30.03	61	58	N	1	o	*	Rocheport ...	30.18	66	61	E	2	b	3
Holyhead .....	30.14	61	58	SH	4	c	3								

The barometer has begun to fall somewhat decidedly on our south-west coast and the SE<sup>ly</sup> wind has increased to a moderate gale at Valencia, with a rough sea. Harming have been sent to our SH and N coast.

## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

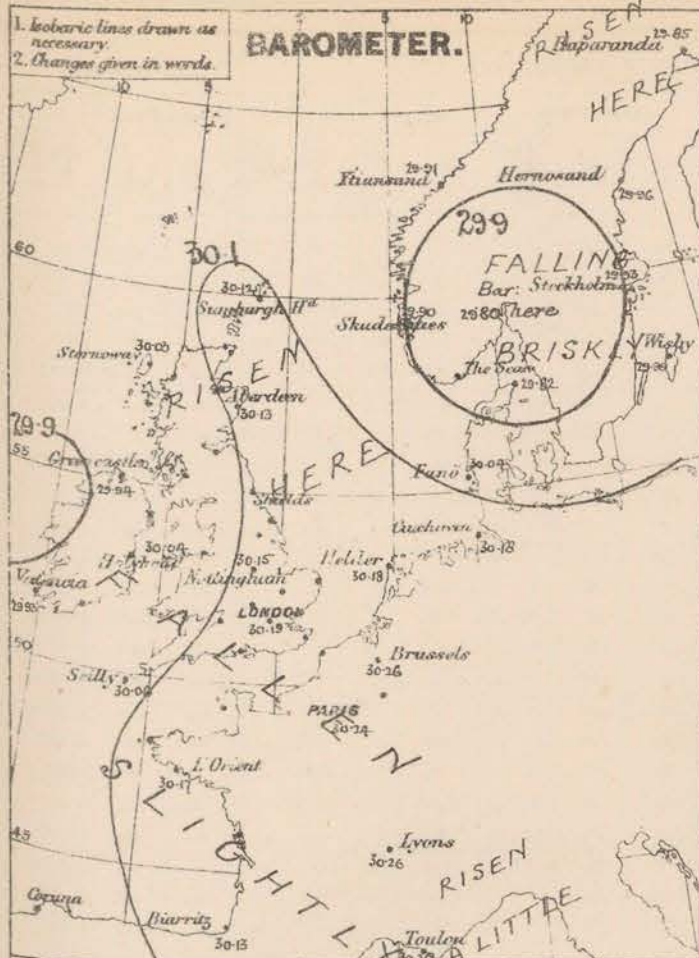
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.



# WEATHER CHARTS for 8 a.m. on Fri-day 4 OCT<sup>R</sup> 1878.





# DAILY WEATHER REPORT Oct 5<sup>th</sup> 1878.

STATIONS.	† YESTERDAY EVENING.					9 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 320 P. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 5.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 320 P. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	30.01	32	X	0	δ	30.02	+ .17	29	28	- 7	N	2	δ	*	43	23	-	
Hernösand ...	29.92	43	N	4	0	29.97	+ .07	40	36	+ 7	NN	2	c	*	*	*	-	
Stockholm ...	29.68	47	SSW	5	0	29.93	00	42	40	- 4	NNN	4	0	*	*	*	0.39	
Wisby ...	29.84	53	NN	9	0	29.91	- .08	48	45	0	NNN	8	0	*	*	*	0.57	
Christiansund ...	30.04	41	SW	4	c	30.10	+ .19	42	40	0	SW	5	δc	3	45	36	0.24	
Skudesnaes ...	30.08	48	NN	4	0	30.17	+ .27	46	42	- 3	NNN	2	0	2	48	?	-	
Oxö (Xtiansand) ...	30.00	49	NNN	4	δ	30.12	+ .34	46	43	- 6	NNE	4	c	2	55	43	-	
Skagen (The Seaw) ...	29.98	50	E	2	c	30.15	+ .33	48	44	- 4	Z	0	c	1	57	43	-	
Fanö ...	30.12	50	N	4	δc	30.18	+ .44	52	50	- 5	X	0	c	*	57	46	-	
Cuxhaven ...	30.17	58	NN	1	0	30.23	+ .05	55	55	+ 4	SW	1	f	*	59	48	-	
Sumburgh Head ...	30.14	43	N	2	c	30.10	- .02	48	46	+ 4	ESE	3	0	3	49	41	-	
Stornoway ...	29.96	51	ESE	4	c	29.88	- .15	53	52	+ 3	SE	4	r	4	53	49	0.02	
Thurso ...	30.07	48	SE	2	0	29.96	- .17	53	52	+ 6	SE	2	om	2	54	45	0.01	
Wick ...	30.07	50	S	4	0	29.98	- .14	53	52	+ 5	S	4	0	3	54	47	-	
Nairn ...	30.02	49	ENE	1	r	29.99	- .12	45	44	- 2	X	0	δc	2	51	44	0.80	
Aberdeen ...	30.07	51	SE	3	r	30.03	- .10	54	54	+ 5	X	0	m	1	54	49	0.07	
Leith ...	30.04	53	E	3	r	30.00	- .06	52	52	+ 1	E	1	c	*	55	50	0.02	
Shields ...	30.05	59	X	0	0	30.06	- .05	55	54	+ 3	X	0	c	2	59	51	0.01	
Scarborough ...	30.07	57	SSW	2	δ	30.09	- .04	58	57	+ 4	SW	1	f	1	62	54	-	
York ...	30.12	57	SSW	1	c	30.08	- .05	57	57	+ 8	S	1	0	*	63	47	0.10	
Nottingham ...	30.11	57	X	0	r	30.13	- .02	58	57	+ 4	S	2	0	*	65	53	0.09	
Ardrossan ...	29.97	54	ESE	2	r	29.97	- .05	59	56	+ 3	E	1	hf	1	60	54	0.11	
Greencastle ...	29.90	59	SW	1	0	29.86	- .08	58	57	+ 3	SSE	2	0	*	64	48	0.10	
Donaghadee ...	29.95	53	SSW	3	0	29.96	- .05	58	58	+ 2	S	5	0	3	58	50	0.08	
Kingstown ...	29.98	61	SSE	1	0	29.95	- .03	59	58	+ 1	S	4	c	3	65	57	-	
Holyhead ...	30.02	59	SSW	2	m	30.01	- .03	58	58	+ 1	SSE	2	c	1	61	57	0.10	
Liverpool (Bidston) ...	30.04	59	SSE	2	0	30.05	- .03	58	57	+ 6	SE	3	c	1	60	52	0.03	
Valencia ...	29.89	60	SSE	4	0	29.78	- .15	61	57	+ 2	NNE	5	c	5	63	57	0.05	
Roche's Point... ..	29.99	59	S	4	r	29.89	- .07	60	59	+ 2	SE	4	0	3	63	58	0.08	
Pembroke ...	30.05	59	S	3	0	30.00	- .04	60	57	0	SE	5	0	4	60	57	0.39	
Portishead ...	30.10	62	SW	2	0	30.08	- .03	56	58	- 1	X	0	δur	1	65	51	-	
Scilly ...	30.06	60	S	4	0	29.98	- .08	62	60	+ 2	SSE	4	c	4	62	59	-	
Plymouth ...	30.10	61	SE	1	0	30.07	- .04	57	55	- 1	E	4	δ	*	64	54	-	
Hurst Castle ...	30.14	61	S	2	δc	30.12	- .03	62	62	+ 1	SE	3	δur	2	66	56	-	
Dover ...	30.17	58	NNN	2	δ	30.17	- .03	58	56	0	SW	2	δ	2	60	58	-	
London ...	30.15	61	SSE	1	c	30.15	- .02	53	52	+ 4	S	1	δfur	*	57	47	-	
Oxford ...	30.12	60	S	2	0	30.13	- .03	55	53	+ 2	SSW	1	δ	*	64	50	-	
Cambridge ...	30.14	55	S	1	0	30.15	- .04	57	57	+ 1	X	0	δ	*	68	47	-	
Yarmouth ...	30.14	57	E	2	δ	30.16	- .03	56	55	+ 2	SSW	2	δ	2	61	50	0.01	
The Helder ...	*	*	*	*	*	30.19	+ .01	49	47	- 2	S	1	δc	*	*	*	-	
Cape Gris Nez ...	30.17	57	S	1	δc	30.20	- .01	57	54	+ 3	S	2	δc	1	64	50	-	
Jersey ...	30.16	59	X	0	δc	30.13	- .06	62	59	+ 5	SE	3	δm	3	63	56	-	
Brest ...	30.12	66	S	3	δc	30.07	- .05	61	51	0	SE	3	0	3	66	57	-	
L'Orient ...	30.19	61	SE	1	δ	30.11	- .06	55	54	+ 1	E	3	δc	2	68	52	-	
Rochefort ...	30.17	66	SE	2	δc	30.14	- .01	57	54	+ 2	ESE	3	δc	3	77	48	-	
Biarritz ...	30.08	72	ENE	2	0	30.08	- .05	61	57	- 2	ENE	2	δc	3	77	59	-	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Brussels ...	*	*	*	*	*	30.22	- .04	50	48	+ 3	E	1	c	*	60	44	-	
Charleville ...	*	*	*	*	*	30.18	- .03	43	*	+ 1	SE	1	δ	*	*	*	*	
Paris ...	30.20	58	S	1	δ	30.21	- .03	57	48	+ 1	SE	2	δ	*	*	*	-	
Lyons ...	*	*	*	*	*	30.27	+ .01	59	*	+ 1	N	2	f	*	*	*	*	
Toulon ...	30.25	64	NNN	2	c	30.28	+ .02	63	61	- 1	N	1	m	1	73	63	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.04	48	43	NNN	8	bc	4	Valencia .....	29.93	61	60	S	3	om	4
Thurso .....	30.10	50	48	SE	2	0	2	Scilly .....	30.07	64	60	SSW	4	0	4
Scarborough ...	30.07	62	58	S	2	0	2	London .....	30.15	64	54	SE	1	bc	*
Greencastle ...	29.90	58	57	SSE	2	r	*	Rochefort ...	30.19	77	66	?	2	bc	2
Holyhead .....	30.03	60	59	SSW	3	om	2								

No important change; but the formation of a considerable quantity of Cirro-stratus cloud in London and some unsteadiness in the barometer at Valencia, indicate a somewhat unsettled state of the atmosphere.

Houllaghmore	29.86	58	SSW	1	δc	29.82	- .08	60	56	+ 5	SSE	5	0	3	65	53	0.06
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## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

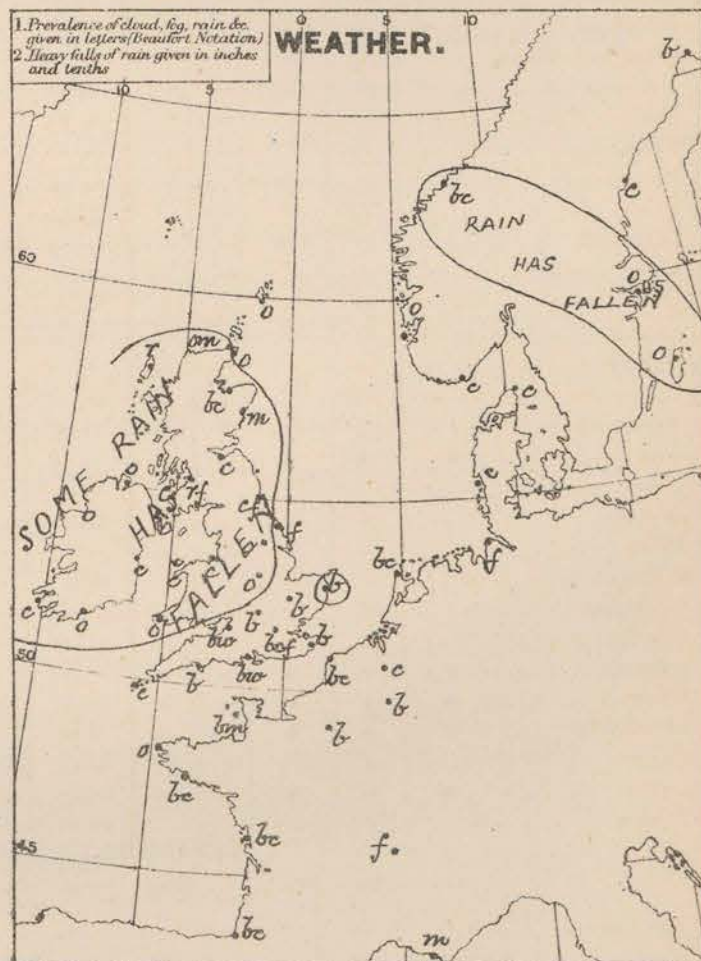
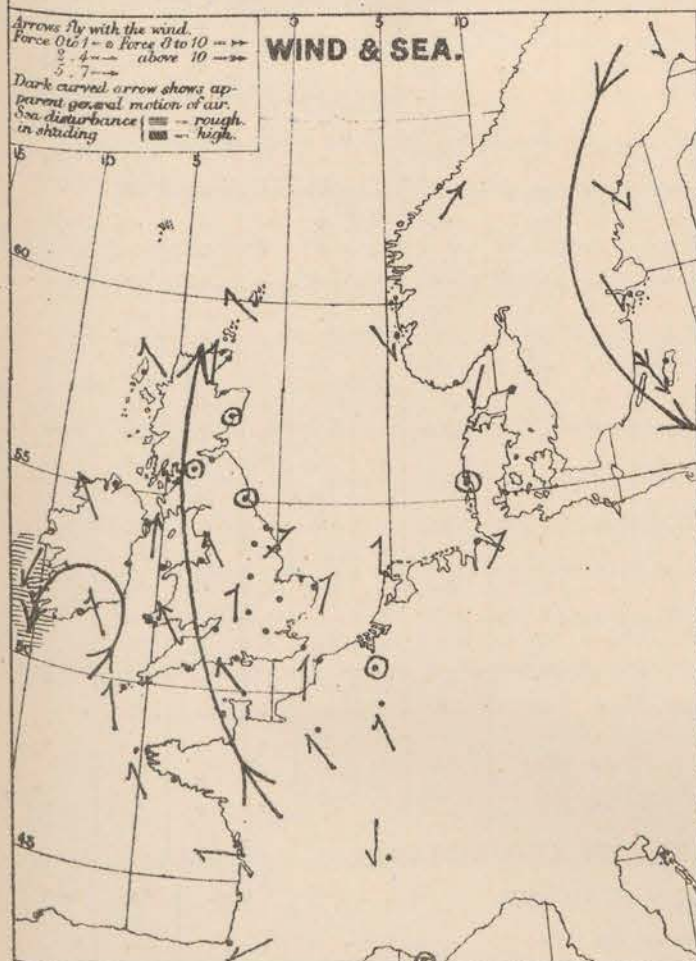
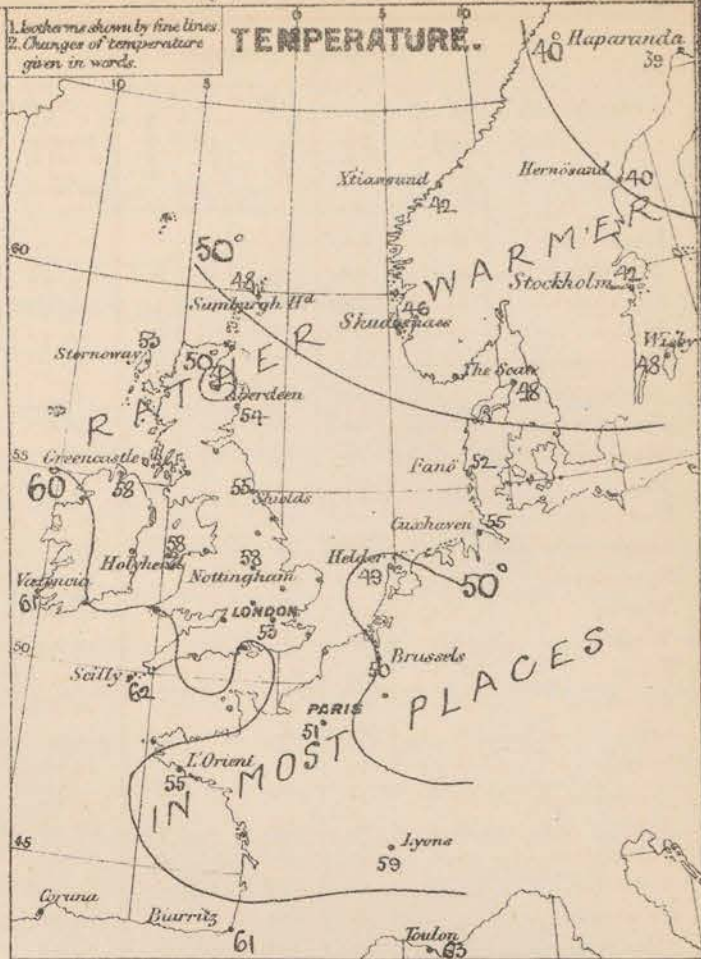
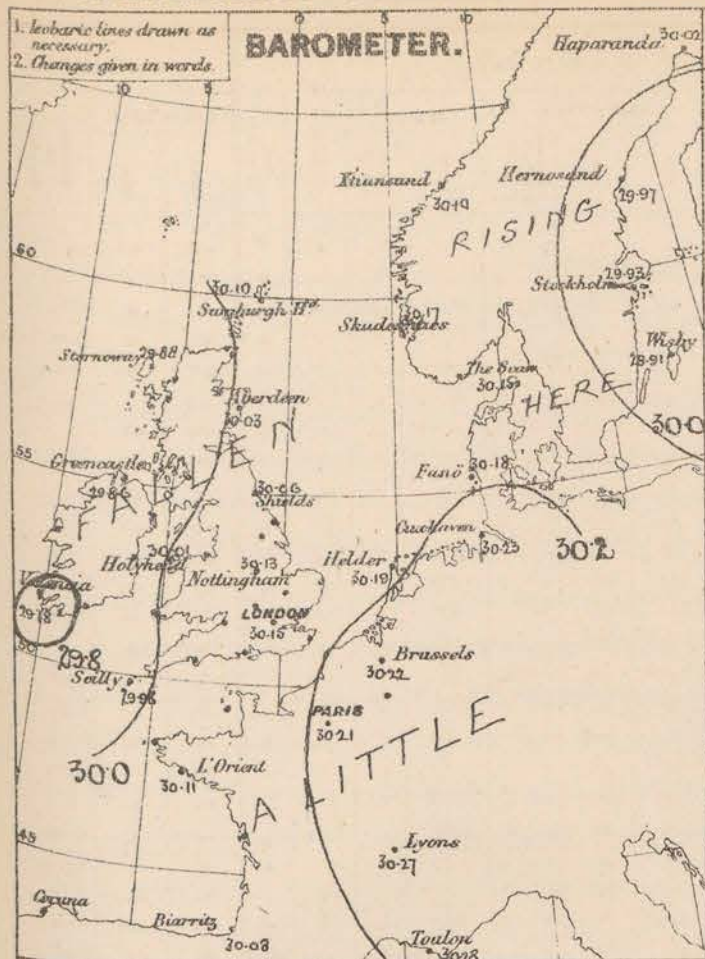
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.



WEATHER CHARTS for 8 a.m. on Saturday 5 OCT<sup>R</sup> 1878.



**REMARKS** Weather continues fine (with local fogs) over nearly the whole of Great Britain and France, and has cleared up on the E shores of the Irish Sea. On our W coasts, however, and in the N. of Scotland the sky is overcast, and rain is falling at Stromness and Humberston. Some fine fell yesterday at nearly all our W and N stations. Temperature remains high over our Islands and France, the maximum readings ranging from 53° in Caithness to 62° at Harriet Castle, Sicily and Jersey. The maximum readings yesterday were as high as 65° at Cambridge, 67° in London and 65° at Portofino, King's Cross and Nottingham, while in the SW of France it was recorded. Wind is S over Great Britain and the Irish Sea, SE in France, and at some of our extreme W and NW stations. At Valentia, however, it has shifted to the NE during the night. At the Swedish stations NW breezes are reported generally blowing fresh gale at Wisby, but in Denmark and Germany the wind has fallen light and become variable. Sea is rather rough off the W. of Ireland, moderate to smooth elsewhere.

Barometrical observations—An area of high pressure still lies over France and Germany, whence an arm (or "ridge") of high readings extends N<sup>W</sup> over the Irish Sea. To the W of this pressure decreases gradually, and a small well formed depression now lies over the S. of Ireland, while there is apparently a larger one to the W of Scotland.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 10/- per quarter, book post 5/- per quarter.

Meteorological Office,  
116, Victoria Street, Westminster, S. W.

**R. H. SCOTT.**  
Secretary.



# SUMMARY OF WEATHER IN WESTERN EUROPE

from SEPT 29<sup>th</sup> to OCT 5<sup>th</sup> 1878.

(Issued Weekly as a Supplement to the "Daily Weather Report.")

On Sunday a large area of high pressure lay over these Islands and France, and very light airs prevailed over these Islands, while fresh E<sup>ly</sup> breezes were reported in the S<sup>th</sup>, and strong NW winds on the eastern shores of the North Sea. By Monday morning a sudden and brisk fall of the barometer had occurred over these Islands, and a well marked depression, which had apparently come in from the N<sup>th</sup>, lay over the N. of England, the winds circulating round it being generally fresh in force. This disturbance subsequently passed away E<sup>ward</sup>, the barometer rose and high and uniform readings with light breezes were reported till the evening of Wednesday. At this time the anticyclone retreated SE<sup>ward</sup> to North Germany, and a fresh depression appeared in the NW, giving us SW<sup>ly</sup> winds; this disturbance passed away E<sup>ward</sup> to Scandinavia, but was quickly succeeded by others which travelled from our SW coast N<sup>ward</sup> to Scotland, making pressure very unsteady in the N. and N. and bringing S<sup>ly</sup> winds generally. The weather during the latter part of the week was very fine in the SE., though more cloudy and unsettled in the N. and temperature has been exceptionally high.

## SUNDAY 29<sup>th</sup> SEPT

Weather clear over the Skager Rack and in the N. of France, cloudy or overcast in nearly all other places, with fog in many parts of England, and rain in the E. of Scotland. Rain occurring generally during the day, being collected at Aberdeen, 0.9 in; at Holyhead, and 0.6 in; at Kilm and Keith.

Temperature lower except at a few of our E. coast stations and in the N. of France; readings at 8 am varying from 59° at Scilly, to 46° in the Shetlands, and the maxima reaching 70° at Nottingham, and ranging between 60° and 68° in various parts of Ireland and England.

Wind light and variable at our eastern stations, but moderate to fresh from E. to SE. over France on our SW. coasts, and from NW. on the eastern shores of the North Sea.

Sea moderate to smooth.

Barometer falling somewhat in the N. and SW., rising elsewhere, readings high and uniform over these Islands. The decrease shown in the N. subsequently becoming general.

## MONDAY 30<sup>th</sup> SEPT

Weather dull and wet at all our more eastern, NW., and N<sup>th</sup> stations, but fine in the S. and over the greater part of France. Rather squally and unsettled all day, rain falling except in the SE.

Temperature a little higher over France, but several degrees lower elsewhere; readings at 8 am. varying from 61° at Dover to 43° in the Shetlands, and the maxima only exceeding 60° at our SW. and S<sup>th</sup> stations.

Wind fresh to strong in force from N. in the south, and from E. in the north.

Sea rough in the NW. half of the Channel and at Stromway.

Barometer falling over the whole of NW. Europe, excepting the N. of France, - briskly over these Islands, a well marked depression lying over the N. of England. Pressure recovering generally later in the day.

## TUESDAY OCT 1<sup>st</sup>

Weather overcast or wet over Central and NW. England, the N. of Ireland, Stromway, Skudesnaes and the Baltic, moderately fine elsewhere, though rather foggy. Light rain subsequently falling except in the NW. N. and S.

Temperature lower in most places, several degrees in the East of England; readings varying from 58° at Scilly to 45° at York and 38° at Kilm. Maxima in S. and N. ranging from 60° to 65°.

Winds light and variable over these Islands, light NW<sup>ly</sup> over the North Sea and the Bay of Biscay.

Sea moderate to smooth except in the western part of the Channel.

Barometer falling over Scandinavia, rising in all other places - briskly over these Islands, slightly in France. Readings uniform NW<sup>ly</sup> of the North Sea.



WEDNESDAY OCT<sup>r</sup> 2<sup>nd</sup>

Weather very fine except in the SW. and extreme N. and N. of the British Isles, a good deal of fog and mist prevailing. Rain subsequently falling in N. and N. and dull weather spreading over us from the westward.

Temperature lower except in the N., change amounting to 10° over Central England. Readings ranging from 58° at Scilly to 37° at York and Nottingham.

Wind light and variable in the E., moderate from SE. to S. in the SW. and N. and from NW. over Scandinavia. S<sup>ly</sup> breezes extending to all our coasts later in the day.

Sea moderate to smooth generally.

Barometer beginning to fall in the N. rising briskly elsewhere. A large area of high pressure lying over England and France. A slight disturbance appearing in NW. in the evening.

THURSDAY OCT<sup>r</sup> 3<sup>rd</sup>

Weather cloudy or overcast in the NW. very fine in most other districts though a good deal of fog and mist again prevailing. Slight rain falling in N. and N. later in day. Aurora seen in N. at night.

Temperature rather lower in S. of France and little changed over Scandinavia, but very much higher elsewhere - rise exceeding 15° in the N. of England. Maximas higher generally, reaching 70° in London.

Wind E<sup>ly</sup> over France, S<sup>ly</sup> to SW<sup>ly</sup> on our coasts and generally N<sup>ly</sup> over Sweden and Denmark. Moderate to light in force. A strong SE<sup>ly</sup> wind rising in the SW. in the afternoon.

Sea generally slight except at Christiansund.

Barometer falling except in the S. of Scandinavia. Yesterday's depression shown to the NW. of Scotland, and a new disturbance appearing in the SW. in the afternoon.

FRIDAY OCT<sup>r</sup> 4<sup>th</sup>

Weather fine over the greater part of France and the SE. of England, cloudy or overcast in nearly all other places; rain falling in the NW. of Ireland, at Skirn, and over the Baltic; fog and mist prevailing at some stations. Rain falling except in the SE. and S. during the day.

Temperature higher in the SW., lower in the N. and E. Readings ranging from 60° in the SW. to less than 50° in the inland parts of England, and the N. of Scotland. The maximas ranging between 60° and 68° in the S.

Wind S<sup>ly</sup> to SE<sup>ly</sup> on our coasts, blowing freshly at Mullaghmore and in the Hebrides, but fresh NW<sup>ly</sup> gales prevailing in Norway and Denmark.

Sea rough off Stornoway and high in the Skager Rack.

Barometer rising in NE., falling elsewhere; a large area of high pressure lying over Germany and France, and depressions shown, one to the NW. of Ireland, and another over the S. of Norway.

SATURDAY OCT<sup>r</sup> 5<sup>th</sup>

Weather fine, though locally foggy, over the greater part of our three Islands and France, but sky overcast in the NW. with rain at Anderson and Stornoway. Slight rain subsequently falling in N. and NW. but weather exceptionally fine in SE.

Temperature rising generally, most in the N. high and uniform for the season; maximas reaching 75° at Cambridge, Portsmouth, and in London, 74° at Nottingham and 72° at Oxford. Succeeding night very warm.

Wind E<sup>ly</sup> over France, S<sup>ly</sup> on all our coasts, NW<sup>ly</sup> in Sweden; moderate in force in the N., light in the E. In the afternoon and evening winds backing to SE. in SW. and freshening.

Sea moderate to smooth, except at Valentia.

Barometer rising on the E<sup>m</sup> shore of the North Sea and E. of France, falling slowly elsewhere. The decrease becoming more pronounced in the SW. in the evening.



# DAILY WEATHER REPORT OCTOBER 6<sup>TH</sup> 1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.								LAST 24 HOURS.		
	Barometer at 320 P. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.
			Dir.	Force. (0 to 12).		Reading at 320 P. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.	
Haparanda ...	30.00	31	Y	0	b	30.13	+ .11	27	26	- 2	N	2	b	*	41	21	-
Hernösand ...	30.13	32	Y	0	b	30.21	+ .24	32	31	- 8	Y	0	b	*	*	*	-
Stockholm ...	30.15	40	NNH	2	b	30.27	+ .34	39	38	- 3	Y	0	b	*	*	*	-
Wisby ...	30.12	49	NNH	8	b	30.25	+ .34	47	41	- 1	NNH	4	b	*	*	*	-
Christiansund ...	30.13	41	SE	1	b	29.89	- .21	41	39	- 1	SE	4	r	3	45	37	0.20
Skudesnaes ...	30.14	51	SE	4	c	30.02	- .15	54	52	+ 8	SE	6	s	5	?	46	0.05
Oxö (Xtiansand) ...	30.19	51	SE	4	c	30.15	+ .03	57	50	+ 5	NNH	2	o	2	55	48	-
Skagen (The Seaw)	30.23	50	SE	3	b	30.21	+ .06	54	52	+ 6	SSH	4	o	3	52	45	-
Fanö ...	30.20	52	SSE	4	m	30.17	- .01	57	50	- 1	SSE	4	b	*	57	45	-
Cuxhaven ...	?	55	SE	1	b	30.20	- .03	57	51	- 4	SSE	2	b	*	57	46	-
Sumburgh Head ...	29.92	50	SE	6	r	29.70	- .40	55	54	+ 7	S	4	c	5	56	46	0.07
Stornoway ...	29.69	58	SE	4	b	29.57	- .37	57	56	+ 4	SE	5	c	5	59	52	0.09
Thurso ...	29.87	57	SSE	3	o	29.63	- .33	56	55	+ 3	SSE	2	o	2	58	52	0.02
Wick ...	29.80	50	S	4	o	29.72	- .26	57	55	+ 4	S	5	o	3	59	50	0.03
Nairn ...	29.87	58	Y	0	o	29.65	- .34	62	60	+ 17	Y	0	b	1	64	45	0.02
Aberdeen ...	29.91	56	S	1	r	29.70	- .33	57	56	+ 3	S	3	b	1	59	53	0.08
Leith ...	29.89	57	Y	0	o	29.65	- .35	57	55	+ 5	ESE	1	c	*	62	57	0.02
Shields ...	29.98	60	Y	0	o	29.77	- .29	56	54	+ 1	S	2	o	3	65	54	0.01
Scarborough ...	30.07	59	SE	1	o	29.82	- .27	57	55	- 1	SSE	3	o	2	63	56	-
York ...	30.07	62	SH	1	o	29.78	- .30	56	54	- 1	SSE	1	b	*	66	54	-
Nottingham ...	30.04	65	SSE	1	c	29.79	- .34	57	55	- 1	SE	1	o	*	74	54	-
Ardrossan ...	29.87	60	ESE	2	o	29.63	- .34	58	56	- 1	ESE	3	c	2	63	56	0.02
Greencastle ...	29.74	61	S	2	o	29.50	- .36	59	57	+ 1	SSE	2	o	*	64	57	0.02
Donaghadee ...	29.84	60	SSE	4	c	29.60	- .36	58	57	0	S	4	o	3	60	57	-
Kingstown ...	29.85	62	S	4	o	29.59	- .36	60	59	+ 1	S	3	m	3	64	58	0.11
Holyhead ...	29.88	63	SSE	1	m	29.65	- .36	60	58	+ 2	SSE	3	r	2	68	58	0.02
Liverpool (Bidston)	29.95	63	ESE	2	o	29.69	- .36	56	54	- 2	ESE	3	o	2	65	56	0.07
Valencia ...	29.67	60	SSE	6	o	29.42	- .36	60	58	- 1	SSE	7	cm	6	65	58	0.07
Roche's Point...	29.78	60	SSE	4	o	29.54	- .35	59	57	- 1	SSH	4	c	4	63	58	0.08
Pembroke ...	29.87	62	SE	5	c	29.66	- .34	60	60	0	S	5	sm	4	64	60	0.01
Portishead ...	29.99	64	E	2	c	29.75	- .33	63	61	+ 7	SSE	5	o	3	75	53	-
Scilly ...	29.84	62	ESE	5	o	29.68	- .30	61	61	- 1	S	6	o	5	64	60	0.02
Plymouth ...	29.93	61	SE	3	o	29.75	- .32	61	60	+ 4	S	4	o	*	68	57	0.02
Hurst Castle ...	30.02	62	SSH	3	c	29.82	- .30	62	63	+ 1	SSH	4	c	4	68	60	-
Dover ...	30.10	60	SSH	1	b	29.91	- .26	60	58	+ 2	SH	2	b	3	62	58	-
London ...	30.07	67	SE	2	b	29.84	- .31	64	60	+ 4	S	2	c	*	75	55	-
Oxford ...	30.04	64	S	1	o	29.80	- .33	58	55	+ 3	Y	4	r	*	72	53	-
Cambridge ...	30.06	63	Y	0	m	29.83	- .32	58	56	+ 7	S	1	o	*	75	50	-
Yarmouth ...	30.10	59	SSE	3	b	29.90	- .36	58	57	+ 2	SSE	4	b	3	62	55	-
The Helder ...	*	*	*	*	*	30.02	- .17	54	57	+ 5	ESE	1	c	*	*	*	-
Cape Gris Nez ...	30.12	63	NE	1	b	29.92	- .28	61	57	+ 4	SSE	3	o	2	70	57	-
Jersey ...	30.00	63	ESE	2	o	29.88	- .25	61	61	- 1	S	3	o	3	67	60	0.07
Brest ...	29.90	66	SE	3	o	29.81	- .26	61	61	0	S	4	o	4	72	59	-
L'Orient ...	29.96	63	SE	3	c	29.89	- .22	63	61	+ 8	S	3	r	3	72	54	-
Rochefort ...	29.99	70	SSE	2	o	29.94	- .20	63	63	+ 6	SE	3	o	3	79	46	-
Biarritz ...	29.99	72	SE	3	o	29.90	- .18	73	61	+ 12	SSE	4	o	3	84	59	-
Corunna ...	*	*	*	*	*	?	?	66	*	+ 2	SH	6	o	4	*	*	*
Brussels ...	*	*	*	*	*	29.99	- .23	56	53	+ 6	SSE	2	o	*	64	52	-
Charleville ...	*	*	*	*	*	30.00	- .18	55	*	+ 12	E	1	b	*	*	*	*
Paris ...	30.09	63	Y	0	b	29.98	- .23	54	52	+ 3	SE	3	c	*	*	*	-
Lyons ...	*	*	*	*	*	?	?	63	*	+ 4	E	6	b	*	*	*	*
Toulon ...	30.25	63	SH	1	b	30.23	- .05	61	59	- 2	E	4	b	3	72	57	-

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sec.		Bar.	Dry.	Wet.	Wind.	Wes.	Sec.		
Skudesnaes ...	30.12	49	43	SE	2	0	2	Valencia .....	29.72	61	60	SSE	6	omg	5
Thurso .....	29.91	56	55	SE	3	0	2	Scilly .....	29.92	62	60	SE	5	0	4
Scarborough ...	30.05	62	60	S	2	0	2	London .....	30.10	72	63	SSE	1	6	*
Greencastle ...	29.81	63	60	SSE	1	0	*	Rochefort ...	30.04	77	68	SSE	3	6c	3
Holyhead .....	29.95	64	59	SSE	2	0	1								

Pressure still decreases over the whole of these Islands, though the change has been very slight at Valencia since noon; at that station also the wind has shifted to SSE. Temperature is very high in London.

## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

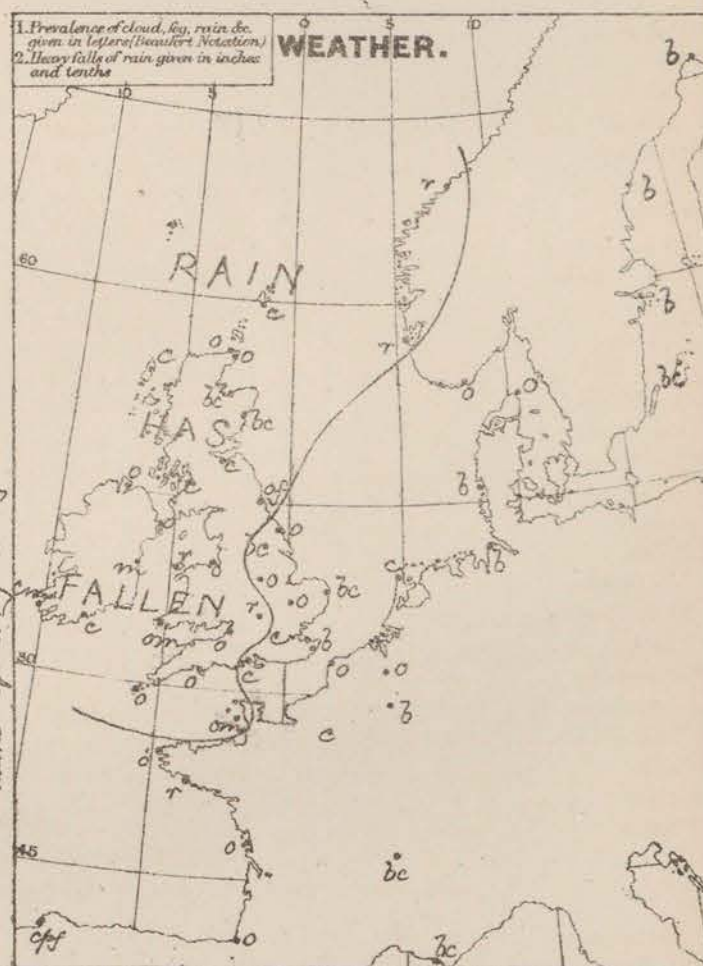
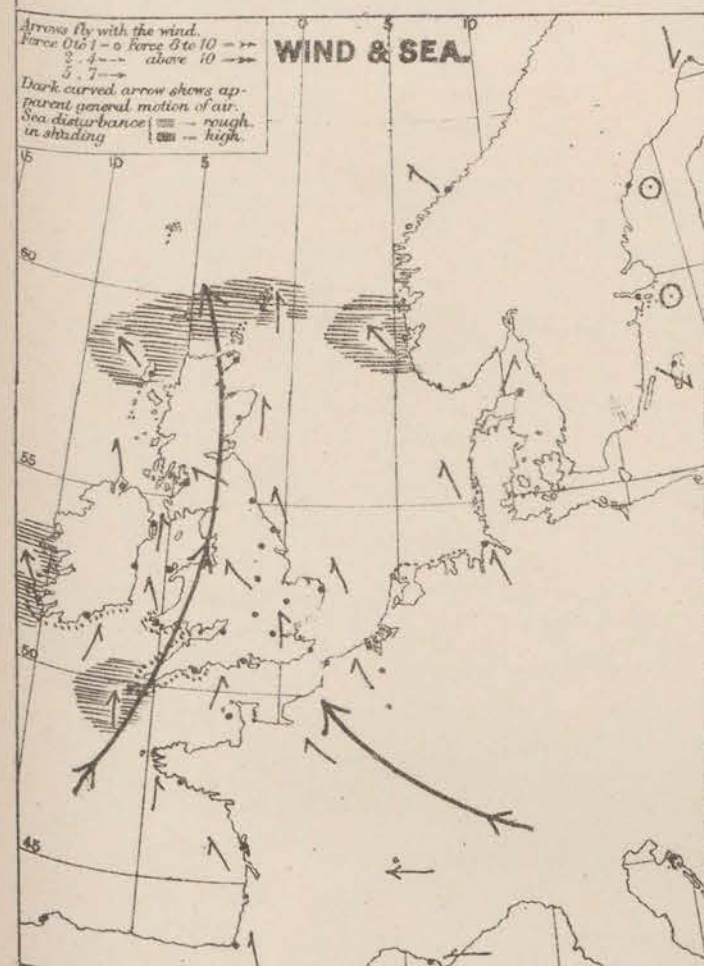
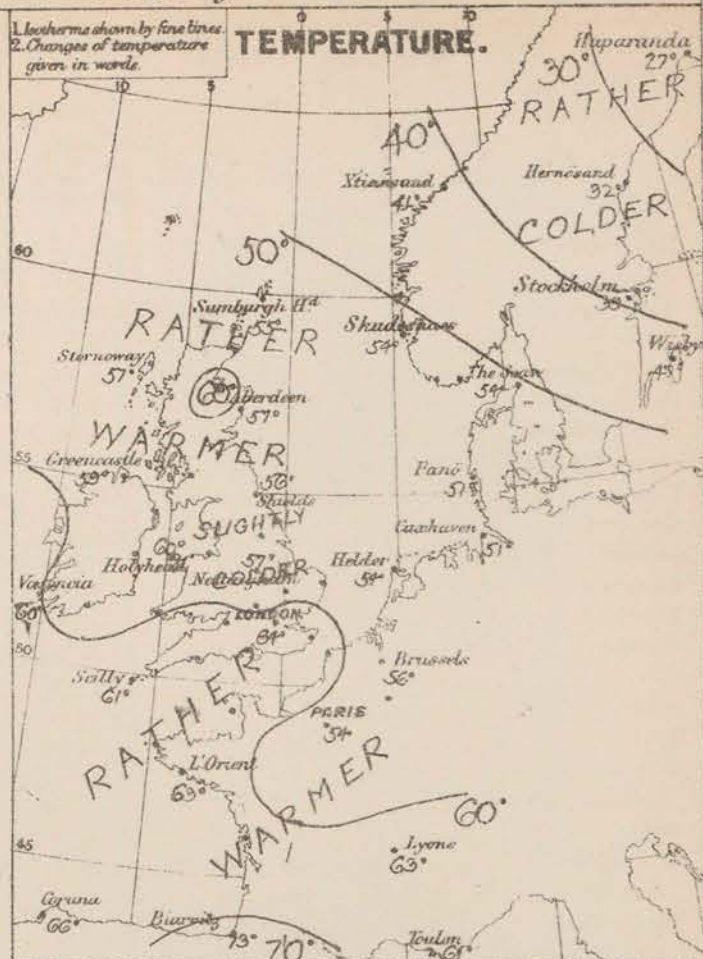
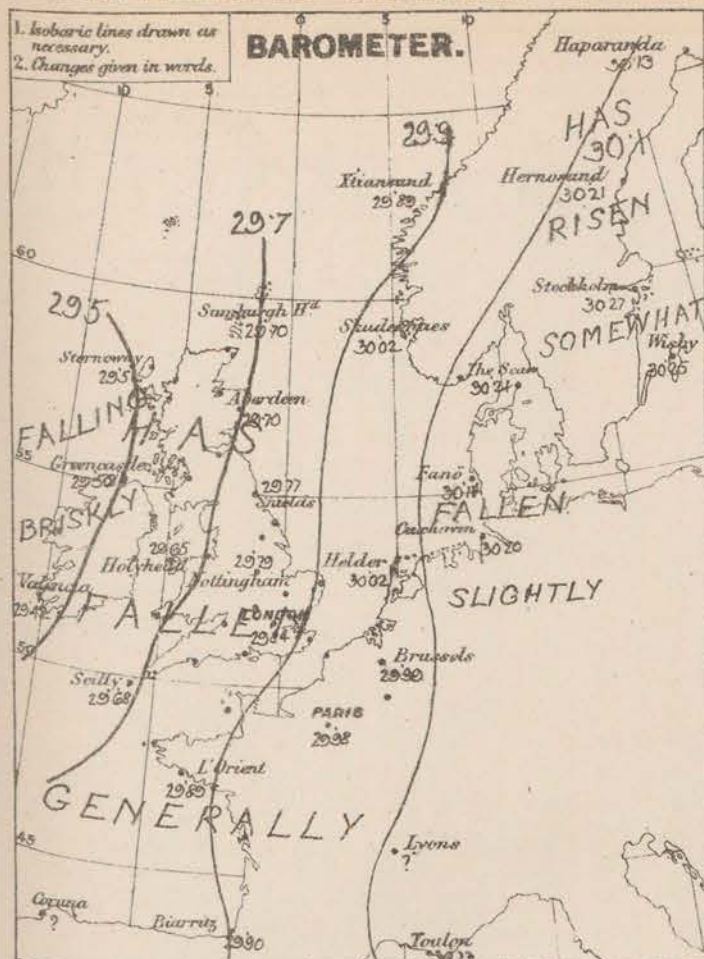
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 8 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.



WEATHER CHARTS *for 8 a.m. on Sunday 6<sup>TH</sup> OCT<sup>R</sup> 1878.*



Note A dotted line is drawn round those exerts which were named yesterday evening.

**REMARKS.** Weather is overcast or very cloudy in nearly all parts of Western Europe, and rain is falling at Enghien, Holyhead and in the west of Norway; a good deal of mist is reported in the south west. A little rain fell yesterday or during the night at all our more western and northern stations. Temperature has risen somewhat in the north of our Islands and over France, but fallen at some of the central stations. The thermometer is still low in Sweden, the reading at Haparanda being only  $27^{\circ}$  Falt, but in our Islands it is high for the time of year, the readings varying from  $55^{\circ}$  in the extreme north of Scotland to  $64^{\circ}$  in London. Wind is S<sup>th</sup> on all coasts, and varies in strength from a light breeze in the south east to a moderate gale at Valentia. Sea is rough on our south west and north coasts, slight in the east and south.

Barometrical Indications. The barometer is rising in Sweden, but falling steadily on all our own coasts and gradients, which are very alive for 5<sup>th</sup> winds, are gradually becoming steeper. Numerous depressions appear to be passing along our western and northern coasts.

Harrings. Our south west corals were warmed for a SE gale last evening.

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10/- per quarter, book post 5/- per quarter.

Meteorological Office,  
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.  
Secretary.



# DAILY WEATHER REPORT OCT 7<sup>TH</sup> 1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 15).				Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 15).			Max.	Min.			
Haparanda ...	30.11	29	Y	0	†	29.93	-.20	32	32	+ 5	E	2	S	*	37	23	-		
Hernösand ...	29.99	42	S	6	0	29.89	-.32	47	46	+ 15	Y	0	0	*	*	*	0.12		
Stockholm ...	30.18	43	SH	2	0	30.06	-.21	49	46	+ 10	SH	4	0	*	*	*	-		
Wisby ...	30.17	43	S	1	0	30.10	-.15	48	46	+ 1	SH	6	0	*	*	*	-		
Christiansund ...	29.73	53	SE	1	†	29.62	-.27	57	52	+ 16	SE	2	0	3	57	?	0.35		
Skudesnaes ...	29.84	57	SE	8	0	29.68	-.34	57	53	+ 3	SE	4	0	4	57	54	0.04		
Oxö (Xtiansand) ...	30.04	55	ESE	4	0	29.84	-.31	54	53	+ 3	SE	4	0	3	55	?	-		
Skagen (The Seaw) ...	30.08	54	S	5	0	29.89	-.52	54	52	0	SSE	5	0	5	55	45	-		
Fanö ...	29.93	55	SE	6	0	29.77	-.40	57	50	0	SSE	6	0	*	61	48	-		
Cuxhaven ...	30.04	60	SSE	2	0	29.82	-.38	52	51	+ 1	S	2	0	*	61	48	-		
Sumburgh Head ...	29.55	53	SSE	6	m	? 29.54	-.16	53	53	- 2	SE	3	†	4	57	57	0.01		
Stornoway ...	29.39	57	SSE	5	0	29.89	-.22	55	54	- 2	SSE	2	0	3	59	52	0.01		
Thurso ...	29.48	57	S	2	†	29.38	-.25	55	55	- 1	SSE	3	0	2	63	54	0.04		
Wick ...	29.46	56	S	4	0	29.37	-.35	56	55	- 1	S	4	0	2	61	55	-		
Nairn ...	29.46	62	Y	2	0	29.37	-.28	56	54	- 6	Y	0	0	0	65	55	0.03		
Aberdeen ...	29.56	56	S	2	0	29.41	-.29	56	56	- 1	S	1	m	1	62	54	0.03		
Leith ...	29.54	62	SSH	1	0	29.36	-.29	58	56	+ 1	SSH	3	0	*	64	55	-		
Shields ...	29.63	59	SE	1	0	29.46	-.31	59	57	+ 3	S	3	0	2	63	55	0.05		
Scarborough ...	29.69	62	S	2	0	29.57	-.31	58	57	+ 1	S	2	†	2	64	57	0.05		
York ...	29.68	62	SSH	1	0	29.50	-.28	58	57	+ 2	S	3	0	*	66	53	0.08		
Nottingham ...	29.69	64	S	3	0	29.53	-.26	60	59	+ 3	S	4	0	*	69	56	0.10		
Ardrossan ...	29.51	59	SSE	2	0	29.33	-.30	58	56	0	ESE	3	0	3	61	57	0.08		
Greencastle ...	29.39	62	SSE	3	0	29.20	-.30	58	56	- 1	SE	3	0	*	67	56	-		
Donaghadee ...	29.48	58	SSH	5	0	29.30	-.30	56	56	- 2	SSH	6	0	5	60	55	0.15		
Kingstown ...	29.51	61	SSE	3	0	29.26	-.33	58	57	- 2	S	4	†	3	64	57	0.06		
Holyhead ...	29.58	60	S	3	0	29.37	-.28	58	56	- 2	S	4	0	3	62	57	0.23		
Liverpool (Bidston) ...	29.61	60	SE	1	0	29.42	-.26	58	56	+ 2	SE	2	0	1	65	55	0.08		
Valencia ...	29.29	60	SSE	7	0	29.10	-.32	58	55	- 2	S	6	cm	6	62	56	0.11		
Roche's Point ...	29.43	60	S	5	0	29.21	-.33	59	57	0	SSH	6	0	4	63	57	0.15		
Pembroke ...	29.57	60	SSE	6	0	29.37	-.29	59	57	- 1	S	6	0	3	61	58	0.43		
Portishead ...	29.67	63	SE	3	†	29.51	-.24	58	56	- 5	SSE	4	0	4	70	55	0.13		
Seilly ...	29.59	61	SSH	6	0	29.38	-.30	60	58	- 1	S	7	0	6	63	56	0.12		
Plymouth ...	29.65	60	S	4	0	29.49	-.26	59	57	- 2	S	5	0	*	63	58	0.04		
Hurst Castle ...	29.73	63	SSE	4	†	29.57	-.25	61	60	- 2	SSH	6	0	6	64	58	0.45		
Dover ...	29.80	62	SSH	3	0	29.64	-.27	61	60	+ 1	SSH	4	0	3	64	60	0.15		
London ...	29.77	62	SSE	1	†	29.60	-.24	61	58	- 3	SSH	3	0	*	70	58	0.07		
Oxford ...	29.74	58	S	2	†	29.55	-.25	58	57	0	S	1	0	*	66	57	0.25		
Cambridge ...	29.74	63	S	1	†	29.58	-.25	59	59	+ 1	S	1	0	*	69	58	0.11		
Yarmouth ...	29.80	59	S	3	0	29.61	-.29	61	60	+ 2	SSH	3	0	3	61	57	0.19		
The Helder ...	*	*	*	*	*	29.69	-.33	55	54	+ 1	SE	1	0	*	*	*	-		
Cape Gris Nez ...	29.84	63	S	3	†	29.68	-.24	61	59	0	SSH	3	0	2	70	59	0.16		
Jersey ...	29.78	58	SSH	2	0	29.64	-.24	60	58	- 1	SSH	5	0	5	63	59	0.25		
Brest ...	? 29.71	64	SSH	4	0	? 29.54	-.32	59	57	- 2	SSH	4	0	5	64	55	-		
L'Orient ...	29.78	62	S	3	0	29.64	-.25	61	59	- 2	SSH	5	†	5	70	48	0.24		
Rochefort ...	29.83	66	S	4	†	29.86	-.08	61	59	- 2	SSH	4	0	3	77	54	0.87		
Biarritz ...	29.85	72	SSH	2	†	29.83	-.07	66	59	- 7	S	2	0	3	79	61	0.12		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Brussels ...	*	*	*	*	*	29.76	-.23	59	56	+ 3	S	4	0	*	66	?	-		
Charleville ...	*	*	*	*	*	? 29.89	-.11	58	*	+ 3	SE	1	0	*	*	*	*		
Paris ...	29.89	64	S	1	0	29.80	-.18	58	56	+ 4	SSH	3	0	*	*	*	-		
Lyons ...	*	*	*	*	*	30.05	?	64	*	+ 4	S	2	†	*	*	*	*		
Toulon ...	30.17	66	E	3	0	30.09	-.14	64	63	+ 2	E	6	0	4	70	61	-		
YESTERDAY'S 2 P.M. REPORTS AND REMARKS.																			
	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.						
Skudesnaes ...	29.91	57	53	SE	6	0	5	Valencia .....											
Thurso .....								Seilly .....											
Scarborough ...								London .....								*			
Greencastle ...							*	Rochefort ...	29.91	68	66	SE	3	60	3				
Holyhead .....																			
Mullaghmore	29.35	62	SE	5	0	29.12	-.35	58	55	- 2	SE	6	0	4	61	57	-		

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

Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.91	57	SE	6	0	Valencia .....					
Thurso .....						Seilly .....					
Scarborough ...						London .....					*
Greencastle ...						Rochefort ...	29.91	68	66	SE	3
Holyhead .....											

Mullaghmore	29.35	62	SE	5	0	29.12	-.35	58	55	- 2	SE	6	0	4	61	57	-
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## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

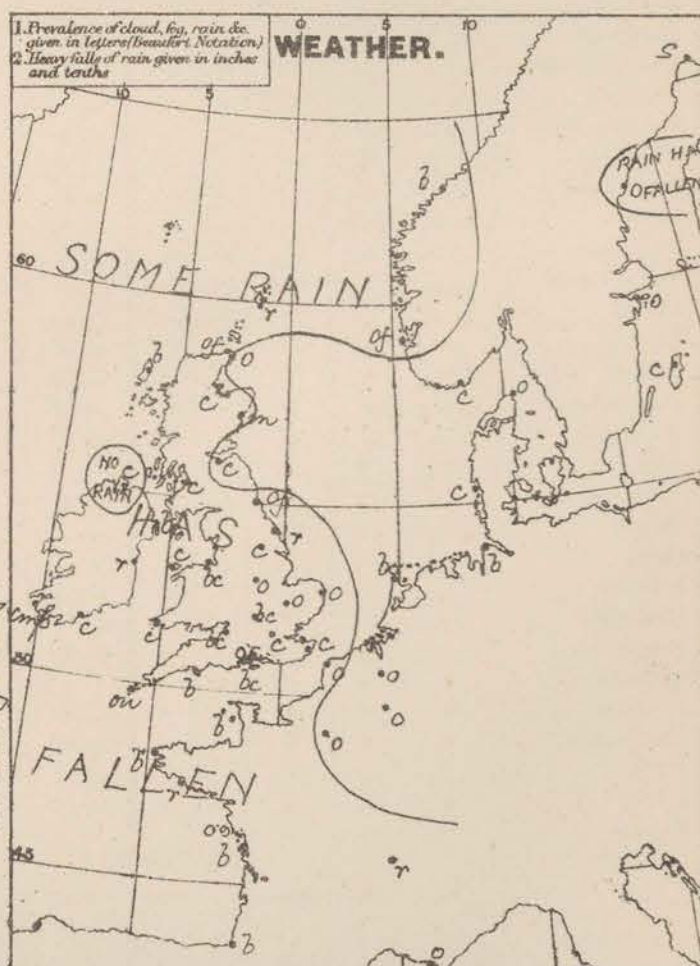
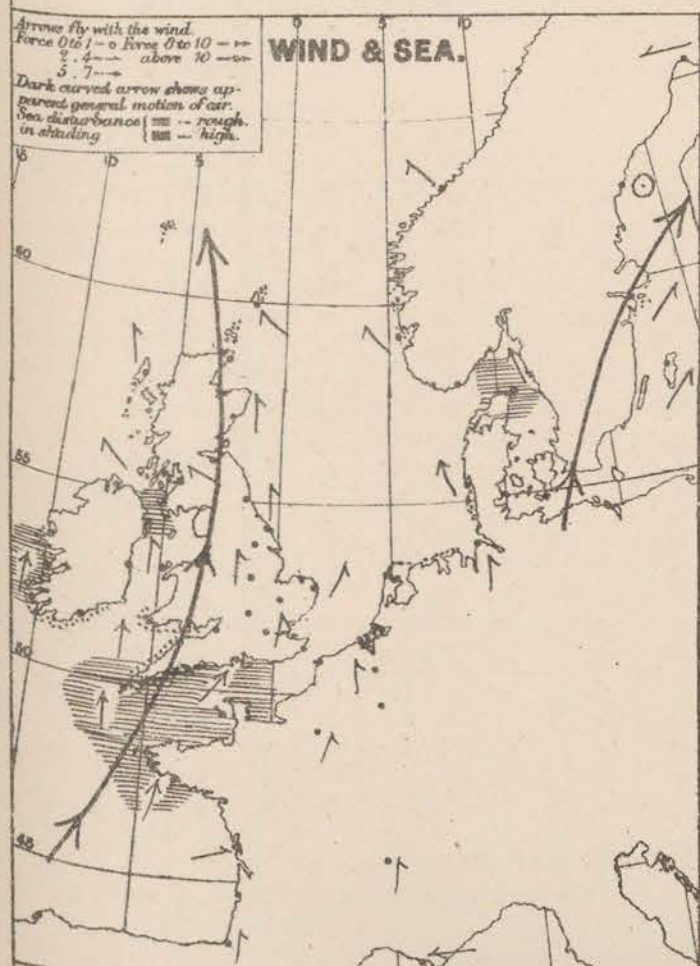
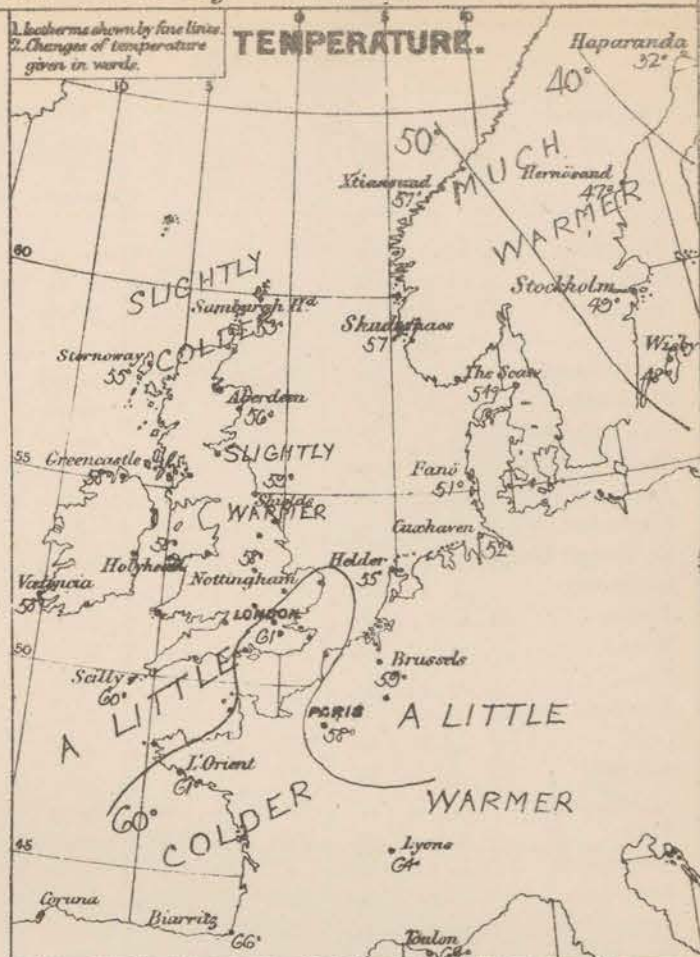
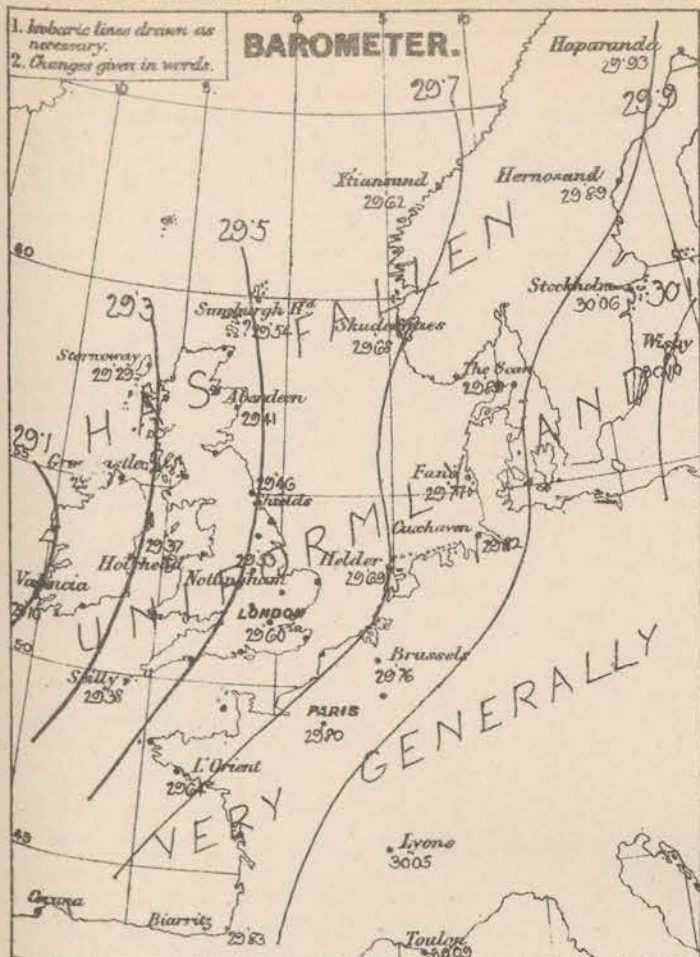
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.



WEATHER CHARTS for 8 a.m. on Monday 7<sup>th</sup> OCT<sup>r</sup> 1878.



Note A dotted line is drawn round those crabs which were washed on Saturday evening.

REMARKS. Weather is clear in the west and north west of France, and locally fine at some of our south western stations, St. Mary and Christianmunt, but in nearly all other places the sky is overcast or very cloudy; rain is falling at Lyons and Harbors; snow at Aparanta; fog and mist are reported from many places. Heavy rain has occurred at Rochefort, Brest, Castle and Pembrok, and a slight amount has fallen generally. Temperature has not changed much, but the general tendency is downward; it at present varies from 61° in the south east to 53° in the Netherlands; during yesterday the thermometer in the shade rose to 70° in London and Antwerp, and 69° at Nottingham and Cambridge. Wind is S<sup>W</sup> (SW. to SE) on all coasts and, though light or moderate in the east flows strongly in the west. A moderate S<sup>W</sup> gale prevailed during yesterday and last night in the south west. Sea is rough in the Channel and at Valentia, slight elsewhere.

Barometrical Indications. Barometrical indications are inclined to recover somewhat in the west of France, but a uniform decrease of about 0.3 in. has occurred elsewhere, and the mercury is still falling generally. A large area of low readings lies to the W. of Ireland, while the barometer is highest over the Baltic.

Warnings. The warning signals are still up on our south west coast.

\* By 9:40am the wind had increased to a fresh gale from S. at Lally.

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Meteorological Office,  
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.  
Secretary.



# DAILY WEATHER REPORT OCTOBER 8<sup>TH</sup> 1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 320 F. and Sea Level.	Temp. in shade.	Wind.		Weather.	Barometer.		SHADE TEMP.			Wind.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 13).		Reading at 320 F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 13).			Max.	Min.		
Haparanda ...	29.90	35	E	4	0	29.84	-.09	33	33	+ 1	E	2	0	*	37	28	0.12	
Hernösand ...	29.82	45	Z	0	bc	29.71	-.18	46	46	- 1	Z	0	0	*	*	*	-	
Stockholm ...	29.91	49	NSH	6	0	29.80	-.26	50	49	+ 1	SH	2	0	*	*	*	-	
Wisby ...	29.96	50	S	6	bc	29.84	-.26	51	50	+ 3	S	4	bc	*	*	*	-	
Christiansund ...	29.86	59	SE	4	c	29.53	-.09	53	50	- 4	ESE	1	bc	2	59	48	0.04	
Skudesnaes ...	29.58	56	SSE	8	+	29.57	-.11	57	55	0	SE	6	0	4	59	55	0.12	
Oxö (Xtiansand) ...	29.70	58	?	?	+	29.67	-.17	54	53	0	NE	2	+	2	55	52	0.47	
Skagen (The Seaw) ...	29.75	54	SH	3	bc	29.69	-.20	55	54	+ 1	S	2	0	1	59	50	-	
Fanö ...	29.71	55	X	0	c	29.65	-.12	54	54	+ 3	SSE	4	c	*	61	48	-	
Cuxhaven ...	29.79	62	S	1	bc	29.71	-.11	56	55	+ 4	S	1	c	*	66	50	-	
Sumburgh Head ...	29.35	53	SE	2	+	29.33	-.21	52	52	- 1	ESE	5	0	4	54	50	0.11	
Stornoway ...	29.22	55	ESE	3	c	28.95	-.34	56	55	+ 1	E	5	bc	5	58	53	0.13	
Thurso ...	29.29	56	SSE	2	0	29.13	-.25	56	55	+ 1	SSE	5	0	3	63	52	0.01	
Wick ...	29.31	56	SSH	4	0	29.13	-.24	56	55	0	S	5	0	3	60	54	-	
Nairn ...	29.26	59	Z	0	bc	29.06	-.31	59	56	+ 3	SE	3	bc	2	64	55	-	
Aberdeen ...	29.35	56	S	2	bc	29.16	-.25	56	55	0	S	6	c	4	59	54	0.02	
Leith ...	29.33	59	S	3	c	29.05	-.31	58	56	0	S	3	bc	*	68	55	-	
Shields ...	29.41	63	SSE	3	0	29.19	-.27	59	55	0	S	6	c	3	65	55	-	
Scarborough ...	29.45	58	ENE	2	bc	29.29	-.22	57	55	- 1	S	2	c	2	64	47	0.01	
York ...	29.43	60	S	2	bc	29.25	-.25	57	55	- 1	S	2	bc	*	67	55	0.01	
Nottingham ...	29.43	62	S	4	0	29.30	-.23	60	57	0	S	6	0	*	68	56	-	
Ardrossan ...	29.27	59	SE	5	op	28.93	-.40	57	56	- 1	SSE	6	pu	6	61	56	0.19	
Greencastle ...	29.15	58	SSE	3	tu	28.75	-.45	55	54	- 3	SSE	4	ou	*	62	48	0.18	
Donaghadee ...	29.19	56	S	5	+	28.88	-.42	56	55	0	SSH	7	bc	5	60	55	0.79	
Kingstown ...	29.03	58	SE	8	+	? 28.96	-.30	58	54	0	SH	5	c	4	61	56	0.51	
Holyhead ...	29.18	58	S	5	+	29.05	-.32	57	56	- 1	SSH	7	bc	6	64	55	0.42	
Liverpool (Bidston) ...	29.29	59	ESE	4	0	29.13	-.30	57	54	- 1	SSE	3	bc	2	63	57	0.01	
Valencia ...	28.77	55	NNE	3	fg	29.11	+ .01	57	51	- 1	H	3	c	4	60	53	1.25	
Roche's Point ...	28.84	56	S	7	+	29.10	-.11	57	54	- 2	H	3	bc	5	60	54	0.92	
Pembroke ...	29.02	60	SSE	10	og	29.15	-.22	58	56	- 1	SH	7	c	6	62	56	0.22	
Portishead ...	29.30	61	SE	7	+	29.29	-.22	58	56	0	SSH	5	bc	5	65	55	0.09	
Scilly ...	28.87	57	S	11	0	29.31	-.07	59	57	- 1	SH	7	c	6	62	55	0.47	
Plymouth ...	29.21	60	SE	8	0	29.32	-.17	58	57	- 1	SH	3	bc	*	63	57	0.08	
Hurst Castle ...	29.40	64	SSE	7	0	29.37	-.20	61	59	0	NSH	6	bc	7	65	56	0.16	
Dover ...	29.58	61	SSE	4	bc	29.45	-.19	61	57	0	SH	5	c	4	64	61	-	
London ...	29.51	63	S	4	c	29.39	-.21	59	57	- 2	SSH	2	cp	*	67	58	0.03	
Oxford ...	29.42	60	SSE	2	0	29.35	-.20	58	55	0	S	3	c	*	65	56	0.01	
Cambridge ...	29.51	59	S	2	a	29.36	-.22	57	55	- 2	S	2	c	*	69	55	0.02	
Yarmouth ...	29.60	60	S	4	bc	29.43	-.18	59	57	- 2	S	4	c	3	64	58	0.03	
The Helder ...	*	*	*	*	*	29.54	-.15	57	56	+ 2	SSE	2	c	*	*	*	-	
Cape Gris Nez ...	29.62	63	S	3	bc	29.49	-.19	61	59	0	S	4	0	3	66	59	-	
Jersey ...	29.38	65	? SSE	7	cu	29.45	-.19	59	57	- 1	NSH	6	bc	6	65	58	0.06	
Brest ...	? 29.27	63	S	6	+	? 29.46	-.08	59	55	0	H	5	c	7	63	55	0.20	
L'Orient ...	29.40	59	SH	5	m	29.56	-.08	59	55	- 2	H	4	+	6	66	54	0.20	
Rochefort ...	29.60	68	SSH	5	0	29.63	-.23	61	59	0	NSH	5	c	3	75	52	0.16	
Biarritz ...	29.64	70	SSE	6	0	29.77	-.06	59	?	- 7	SSH	4	+	5	82	52	0.12	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Brussels ...	*	*	*	*	*	29.24	-.22	58	57	- 1	SE	4	0	*	66	57	0.16	
Charleville ...	*	*	*	*	*	? 29.60	-.29	57	*	- 1	SSE	3	+	*	*	*	*	
Paris ...	29.68	62	SSE	4	c	29.60	-.20	58	48	0	S	3	0	*	*	*	0.32	
Lyons ...	*	*	*	*	*	29.70	-.35	66	*	+ 2	NSH	2	+	*	*	*	*	
Toulon ...	30.02	66	E	6	0	29.87	-.22	66	66	+ 2	S	5	+	6	68	64	0.39	

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes ...	29.55	59	54	SE	6	•	4	Valencia .....	28.97	57	56	ESE	2	od	3
Thurso .....	29.31	61	60	SSE	2	cu	2	Scilly .....	29.07	59	59	SE	11	o	7
Scarborough ...	29.48	64	58	S	4	bc	3	London .....	29.58	66	59	S	5	c	*
Greencastle ...	29.16	61	58	S	3	o	*	Rocheport ...	29.69	72	64	SSH	5	bc	3
Holyhead .....	29.31	63	59	S	5	c	4								

The barometer has fallen rapidly at Scilly since the morning, with an extremely heavy SE. gale and high sea; elsewhere the mercury is falling but more slowly. Temperature is high and uniform.

Boulogne ...	29.02	56	ESE	5	+	28.77	-.35	55	44	- 3	SH	5	0	4	62	54	0.48
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## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

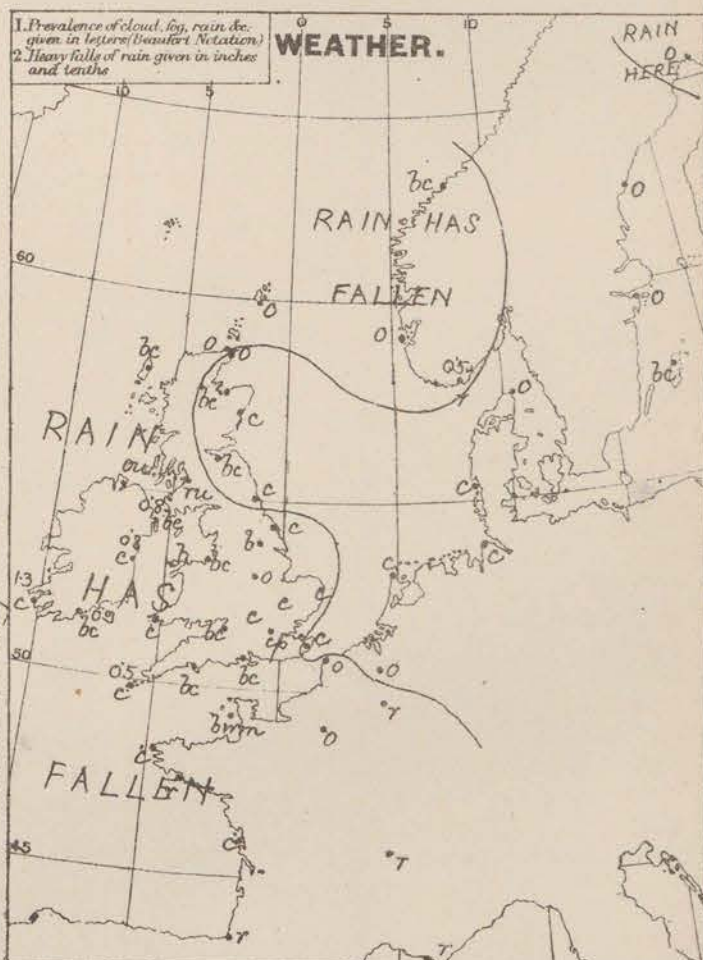
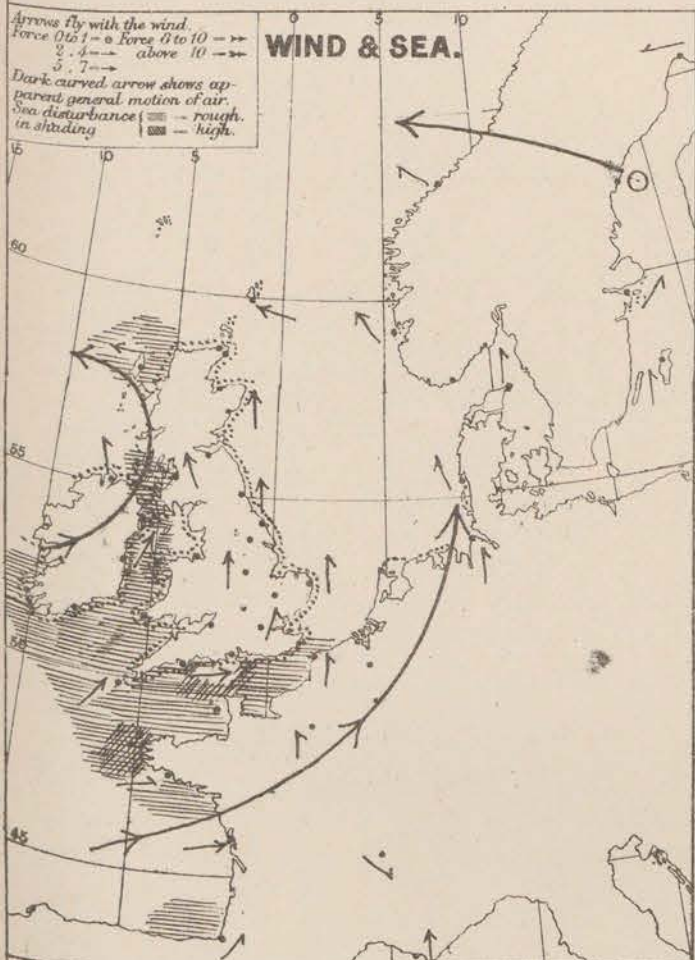
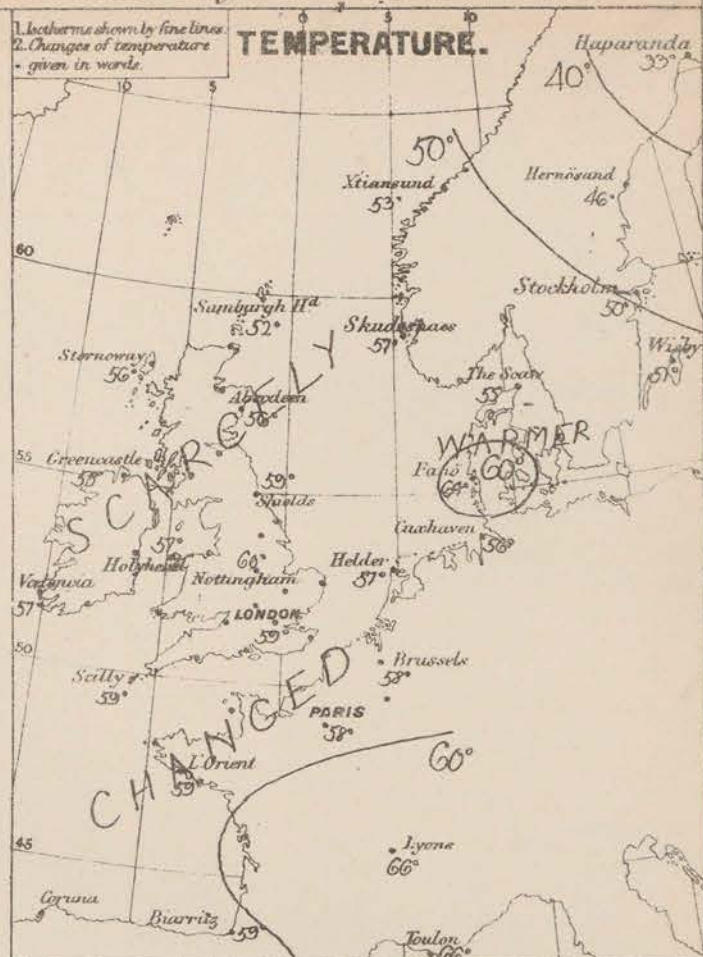
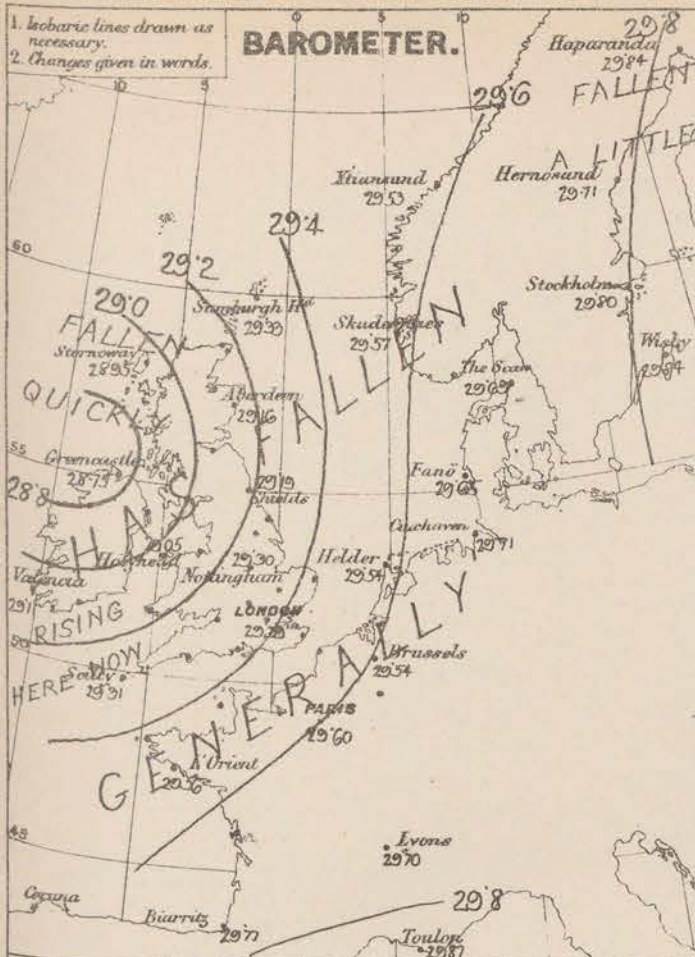
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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



# WEATHER CHARTS for 8 a.m. on Tuesday 8<sup>TH</sup> OCT<sup>R</sup> 1878.



**REMARKS.** Weather is overcast or very cloudy generally, with rain at L'Orient, Antwerp, and in the east and south of France, mist in some places. A threatening appearance is reported in the north west. Rain has occurred in most places, nearly an inch falling at Roches P<sup>tes</sup>, Kingstown and Donaghadee and six inches and a quarter at Talents. Temperature has not changed much; it varies at present from 61° in the south to 55° at Newcastle and to 52° in the Netherlands; during yesterday the maxima were 82° at Biarritz, 75° at Rochefort, 69° at Cambridge and 67° in London. Wind is light from W. at Talents, and moderate to fresh from N.W. over the Bay of Biscay, strong from S. over S.E. Britain, and fresh from E. in the Hebrides. During yesterday or last night a very heavy S.E. gale prevailed in the west and south west. Sea is very rough in the Channel and rough in the Irish Sea, moderate to slight elsewhere.

**Barometrical Indications.** Pressure is recovering somewhat in the south west, decreasing in all other places, quickly in the north west. The deep depression which appeared near the Shetland Islands yesterday afternoon has passed N. and the centre is shown over the north of Ireland, where the barometer is as low as 28.75 ins.

**Forecast.** The following message was sent to all but our south west coasts yesterday afternoon:—"Barometer falling very fast at Shetland, with extremely heavy S.E. gale. Hoist South Cone." In the evening the cones on our south west coasts were ordered to be kept up.

Signals lowered in the east and south at noon today.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 4d per quarter, book post 5d per quarter.

Meteorological Office,  
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.

Secretary.



# DAILY WEATHER REPORT OCT 5 9<sup>TH</sup> 1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 13).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 13).			Max.	Min.		
Haparanda ...	29.63	39	E	4	f	29.66	-.18	36	36	+ 3	X	0	f	*	39	30	0.16	
Hernösand ...	29.71	45	Z	0	o	29.71	.00	48	47	+ 2	S	2	c	*	*	*	-	
Stockholm ...	29.78	51	SW	2	f	29.75	-.05	57	57	+ 1	SE	2	f	*	*	*	-	
Wisby ...	29.81	52	SSH	6	c	29.82	-.02	53	52	+ 2	SSH	6	bc	*	*	*	-	
Christiansund ...	29.53	52	E	3	o	29.32	-.21	53	50	0	E	2	m	2	57	46	0.08	
Skudesnaes ...	29.44	59	SSE	4	f	29.42	-.15	56	55	- 1	SSE	8	f	5	58	50	0.59	
Oxö (Åtiansand) ...	29.61	55	ENE	4	f	29.57	-.10	57	55	+ 3	S	4	c	3	57	54	0.16	
Skagen (The Sæw) ...	29.65	57	SSE	2	o	29.66	-.03	56	55	+ 1	SSH	3	f	2	59	50	-	
Fanö ...	29.60	58	SSH	3	o	29.67	+ .02	56	56	+ 2	SSH	4	c	*	66	52	-	
Cuxhaven ...	29.63	66	S	2	c	29.77	+ .06	57	56	+ 1	SW	2	c	*	68	54	-	
Sumburgh Head ...	29.05	34	NNE	6	m	29.05	-.28	54	53	+ 2	SW	4	c	4	55	50	0.04	
Stornoway ...	28.87	56	X	0	f	29.05	+ .10	54	53	- 2	S	4	c	4	59	51	0.06	
Thurso ...	28.99	56	SSE	5	c	29.12	-.01	55	53	- 1	SSH	2	c	3	60	54	0.07	
Wick ...	29.01	56	S	5	o	29.13	.00	55	54	- 1	SW	2	o	2	59	53	0.01	
Nairn ...	28.96	57	SSH	2	q	29.17	+ .11	56	54	- 3	SW	2	bc	1	64	55	0.02	
Aberdeen ...	29.07	57	SSH	4	o	29.26	+ .10	55	53	- 1	SW	4	bc	2	66	53	-	
Leith ...	29.05	57	SSH	4	o	29.26	+ .21	55	53	- 3	SW	4	bc	*	66	53	0.02	
Shields ...	29.21	60	SW	6	bc	29.40	+ .21	56	53	- 3	S	3	c	2	64	50	0.05	
Scarborough ...	29.29	58	SSH	4	o	29.47	+ .18	56	53	- 1	SSH	4	c	4	63	52	-	
York ...	29.31	59	S	3	bc	29.49	+ .24	54	52	- 3	S	3	o	*	65	51	-	
Nottingham ...	29.38	58	SSH	4	o	29.57	+ .21	57	54	- 3	S	4	o	*	68	51	0.01	
Ardrossan ...	29.00	57	SSH	6	f	29.21	+ .28	57	54	0	S	5	a	4	59	55	0.32	
Greencastle ...	28.96	56	SSH	4	o	29.06	+ .31	54	53	- 1	S	5	f	*	58	52	0.12	
Donaghadee ...	29.11	56	SW	5	bc	29.18	+ .30	56	55	0	S	8	f	5	57	51	0.17	
Kingstown ...	29.23	59	SW	3	bc	29.19	+ .23	58	57	0	S	3	m	4	61	55	0.05	
Holyhead ...	29.26	59	SW	5	c	29.28	+ .23	57	56	0	SSE	5	ag	4	62	55	0.03	
Liverpool (Bidston) ...	29.30	58	SSH	3	o	29.38	+ .25	54	53	- 3	SE	2	c	2	62	53	0.06	
Valencia ...	29.35	56	SSH	5	c	29.02	-.09	59	56	+ 2	SSE	7	cm	6	62	54	0.23	
Roche's Point ...	29.36	56	W	5	bc	29.14	+ .04	58	56	+ 1	SSH	5	cm	5	60	56	0.22	
Pembroke ...	29.37	58	SW	7	a	29.31	+ .16	58	55	0	S	7	o	6	60	57	0.08	
Portishead ...	29.45	58	SSH	6	c	29.50	+ .21	59	56	+ 1	SE	7	ow	4	64	51	0.12	
Seilly ...	29.53	57	SSH	6	c	29.35	+ .04	59	59	0	S	9	tm	7	62	55	0.11	
Plymouth ...	29.52	59	SW	4	o	29.51	+ .19	58	57	0	S	6	og	*	64	59	0.07	
Hurst Castle ...	29.52	60	SSH	6	bc	29.63	+ .26	61	59	0	SSH	7	ag	7	63	56	0.03	
Dover ...	29.55	60	SSH	5	bc	29.72	+ .27	60	57	- 1	SW	2	bc	4	62	58	0.04	
London ...	29.51	60	SW	4	o	29.64	+ .25	58	55	- 1	SW	4	bc	*	67	53	-	
Oxford ...	29.47	57	S	3	o	29.60	+ .25	57	55	- 1	S	2	o	*	65	53	-	
Cambridge ...	29.48	57	S	2	o	29.63	+ .27	56	54	- 1	S	2	o	*	67	51	-	
Yarmouth ...	29.46	60	SSH	3	o	29.67	+ .24	56	55	- 3	SSH	3	o	2	64	52	-	
The Helder ...	*	*	*	*	*	29.70	+ .16	59	58	+ 2	SSH	2	c	*	*	*	-	
Cape Gris Nez ...	29.58	61	SW	5	bc	29.76	+ .27	57	55	- 4	SSH	6	c	5	63	55	0.04	
Jersey ...	29.63	59	SSH	5	bc	29.73	+ .28	58	57	- 1	S	6	cm	6	63	56	-	
Brest ...	29.68	63	W	5	bc	29.64	+ .18	59	59	0	SSH	5	m	7	63	54	0.16	
L'Orient ...	29.75	59	W	4	o	29.76	+ .20	60	59	+ 2	S	5	m	5	66	55	0.07	
Rocheport ...	29.82	64	W	5	c	29.95	+ .32	59	57	- 2	SSE	5	f	3	72	55	0.08	
Biarritz A. ...	29.90	66	SSH	6	c	29.99	+ .22	59	55	0	SSE	4	o	5	70	55	0.12	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Brussels ...	*	*	*	*	*	29.84	+ .30	53	52	- 5	SSH	4	o	*	62	52	0.04	
Charleville ...	*	*	*	*	*	29.85	+ .25	54	53	- 3	?	?	o	*	*	*	*	
Paris ...	29.72	56	S	?	o	29.92	+ .32	52	51	- 6	S	8	o	*	*	*	-	
Lyons ...	*	*	*	*	*	30.01	+ .31	61	*	- 5	SW	2	c	*	*	*	*	
Toulon ...	29.79	61	W	5	o	29.93	+ .06	57	52	- 9	NW	5	o	6	63	?	0.39	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.48	60	56	ESE	6	o	4	Valencia .....	29.27	59	56	SW	5	agg	6
Thurso .....	29.05	58	56	SSE	5	cm	4	Scilly .....	29.44	58	57	W	7	cp	7
Scarborough ...	29.27	60	56	SSH	5	o	5	London .....	29.47	66	58	SW	5	c	*
Greencastle ...	28.86	57	56	S	3	o	*	Rocheport ...	29.74	66	61	SSH	5	c	4
Holyhead .....	29.8	60	58	SSH	5	c	4								

Pressure is decreasing at Thurso and Scarborough but recovering elsewhere. The depression is now close to the NW of Ireland. The winds are not much changed.

Mullaghmore	29.09	56	W	6	o	29.09	55	55	SSH	5	bc	4	58	53	0.33
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## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

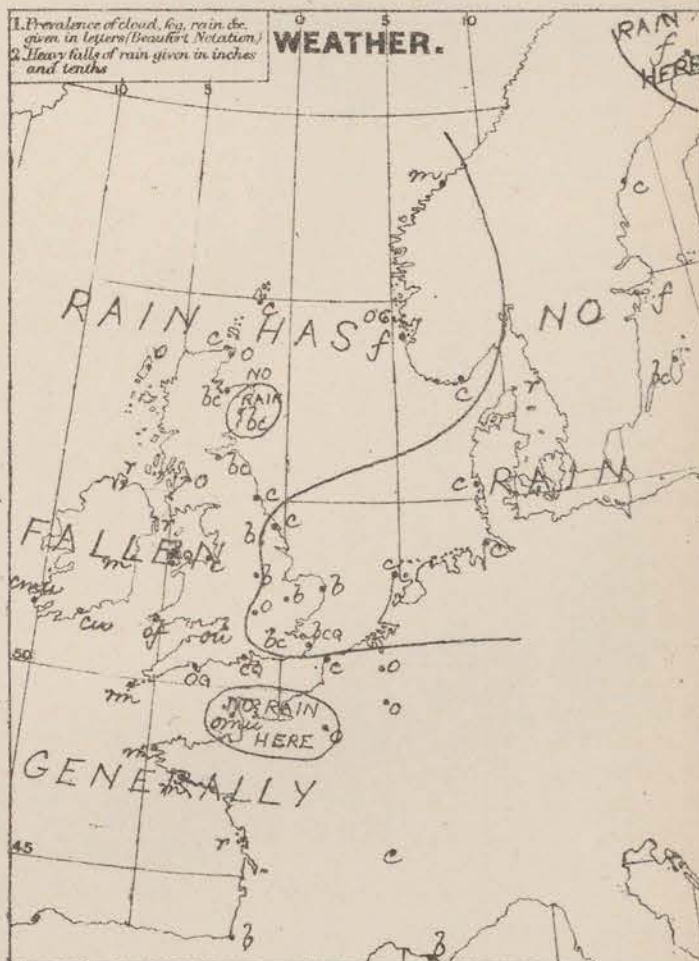
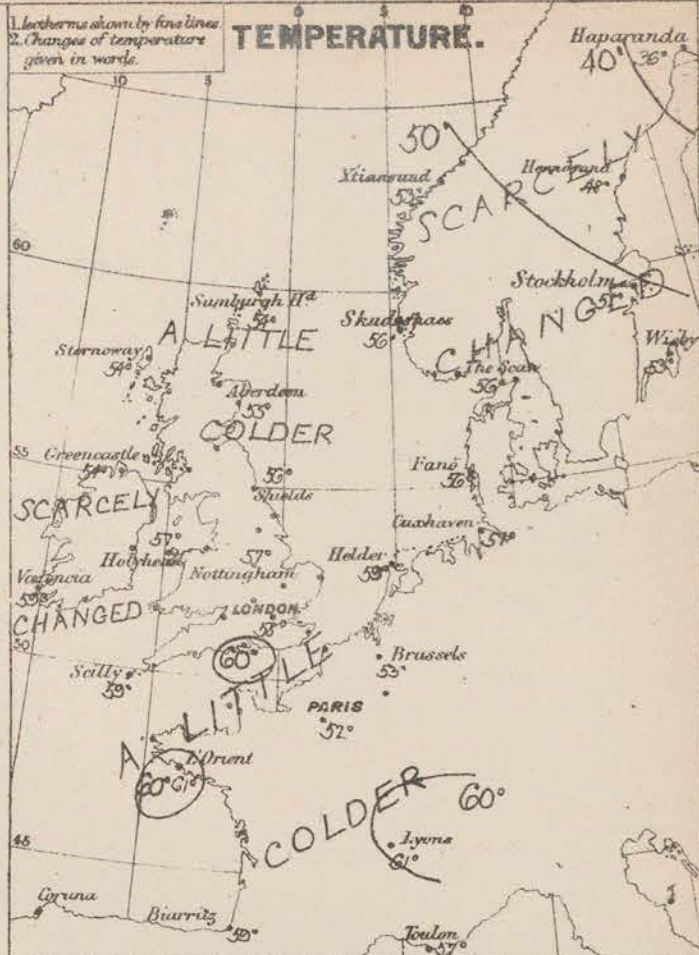
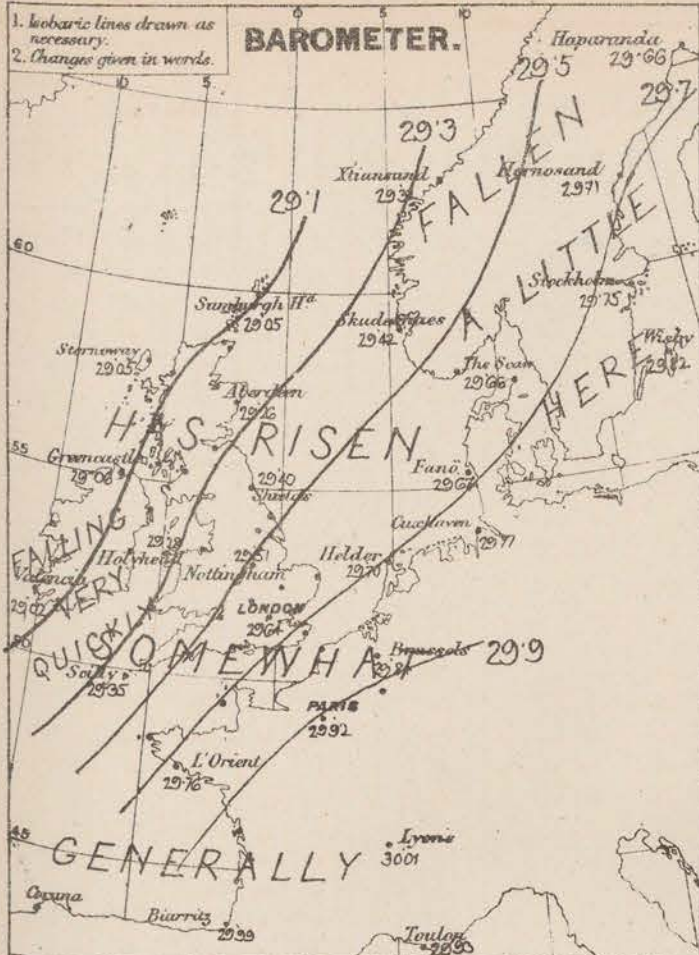
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.



# WEATHER CHARTS for 8 a.m. on Wednesday 9<sup>th</sup> OCT<sup>r</sup> 1878.



**REMARKS.** Weather is evidently fine at some of our more eastern stations, but is very cloudy or overcast elsewhere, and the unsettled conditions are rapidly spreading E<sup>nd</sup>; rain is falling in the north of Ireland, at Lill, and the Row, a great deal of mist or fog prevails in the south west, where also an ugly, threatening appearance is reported. In the Channel the weather is very squally. Rain has fallen except in the south east. Temperature has fallen a few degrees in the east and north, risen slightly or remained unchanged in the south west; it varies from 61° at Hurst Castle to 53° at Aberdeen; the maxima yesterday were 68° at Nottingham and 67° in London and Cambridge. Wind is S<sup>th</sup> over the whole of Western Europe, but is backing to SE in the south west. It is strong generally, and blows a hard gale at Lill, and a moderate to fresh gale at some of our other south western stations. Sea is high in the Channel, rough in the west, slight in the east.

**Barometrical Indications.** Pressure is decreasing quickly in the south of Ireland, and briskly at our other western stations, and a fresh depression is apparently approaching our south west coasts. In the east and north the mercury is recovering slightly. Gradients are steep for S<sup>th</sup> winds.

**Mornings.** The South Cone is still flying on our north and north west coasts, and our south west, south and east coasts have been warmed this morning.



## DAILY WEATHER REPORT

OCT 10<sup>TH</sup> 1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PART 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Reading at 32° F. and Sea Level.	Barometer.		SHADE TEMP.		WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force (0 to 12).			Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12).			Max.	Min.			
Haparanda ...	29.49	45	Z	0	T	29.64	-.02	33	33	- 3	NN	2	0	*	45	30	0.63		
Hernösand ...	29.61	50	SSH	4	C	29.61	-.10	42	41	- 6	Z	0	0	*	*	*	0.16		
Stockholm ...	29.71	52	SH	2	0	29.76	+.01	49	49	- 2	Z	0	f	*	*	*	-		
Wisby ...	29.79	52	SH	6	bc	29.78	-.04	54	54	+ 1	SSH	4	0	*	*	*	-		
Christiansund ...	29.37	52	Z	0	bc	29.38	+.06	54	47	+ 1	SE	4	0	3	59	45	0.04		
Skudesnaes ...	29.50	57	SSH	8	0	29.58	-.04	55	55	0	SE	7	T	5	57	57	0.32		
Oxö (Xiansand) ...	29.64	56	SSH	4	C	29.52	-.05	54	53	- 3	SSH	6	T	4	57	52	-		
Skagen (The Seaw.) ...	29.72	56	SH	2	C	29.64	-.02	55	54	- 1	SSE	4	C	3	70	50	-		
Fanö ...	29.68	54	S	4	0	29.57	-.10	54	53	- 2	S	4	C	*	61	52	-		
Cuxhaven ...	29.81	60	SSH	1	C	29.66	-.11	54	53	- 3	S	3	0	*	61	48	-		
Sumburgh Head ...	29.16	53	SSE	5	0	29.05	-.00	53	52	- 1	SSE	5	0	5	57	57	0.15		
Stornoway ...	28.93	55	SE	3	C	28.83	-.22	55	54	+ 1	E	4	bc	3	55	52	0.27		
Thurso ...	29.03	55	SE	4	T	28.94	-.18	54	54	- 1	SSE	3	cm	3	62	50	0.01		
Wick ...	?	55	SSE	6	T	28.94	-.19	55	53	0	S	3	C	3	?	53	0.10		
Nairn ...	28.97	57	S	2	0	28.89	-.28	55	53	- 1	SSE	2	C	1	61	52	-		
Aberdeen ...	29.09	55	S	7	T	28.96	-.30	54	53	- 1	SSE	7	T	6	59	53	0.30		
Leith ...	29.06	58	SSH	3	C	28.85	-.41	56	54	+ 1	S	4	C	*	66	53	0.11		
Shields ...	29.18	60	S	7	T	28.98	-.42	57	54	+ 1	SSH	6	bc	3	60	56	0.10		
Scarborough ...	29.28	58	S	6	T	29.07	-.40	57	54	+ 1	S	6	C	5	61	55	0.13		
York ...	29.27	58	S	3	C	29.06	-.43	57	54	+ 3	S	4	C	*	61	57	0.15		
Nottingham ...	29.35	58	SSH	5	C	29.08	-.43	59	55	+ 2	S	7	C	*	63	55	0.11		
Ardrossan ...	29.02	58	S	4	C	28.73	-.48	57	55	0	SE	5	0	5	59	56	0.43		
Greencastle ...	28.89	58	SSE	4	0	28.67	-.39	54	54	0	NNW	4	tu	*	64	53	0.19		
Donaghadee ...	28.99	56	SSH	5	0	28.65	-.53	56	56	0	SH	5	bc	3	58	55	0.69		
Kingstown ...	29.01	59	S	5	0	28.83	-.36	57	55	- 1	W	6	C	5	61	56	0.37		
Holyhead ...	29.09	58	SSH	6	cdp	28.84	-.44	56	55	- 1	SSH	7	mu	6	60	56	0.82		
Liverpool (Bidston) ...	29.19	55	SE	2	bc	28.89	-.49	55	54	+ 1	SE	5	0	3	58	54	0.23		
Valencia ...	28.62	57	S	8	T	29.20	+.18	55	52	- 4	NNW	6	cdp	6	60	54	0.55		
Roche's Point ...	28.79	57	SSH	8	Tg	29.13	-.01	56	53	- 2	W	5	bc	5	61	55	0.30		
Pembroke ...	29.15	60	S	8	C	28.99	-.32	57	56	- 1	W	9	C	7	61	56	0.60		
Portishead ...	29.31	58	SSE	7	0	29.11	-.39	57	55	- 2	S	6	C	6	61	54	0.41		
Scilly ...	29.25	58	SSH	9	cdp	29.29	-.06	57	56	- 2	W	9	cdp	7	62	55	0.45		
Plymouth ...	29.34	59	SH	6	0	29.21	-.30	57	56	- 1	SH	7	0	*	61	57	0.46		
Hurst Castle ...	29.47	62	SH	7	bc	29.26	-.37	61	59	0	SSH	10	cdp	8	63	57	0.27		
Dover ...	29.58	62	SSH	6	0	29.37	-.35	59	57	- 1	SH	7	cdp	5	62	57	0.84		
London ...	29.49	61	SSH	6	cdp	29.28	-.36	56	55	- 2	SSH	4	cdp	*	64	56	0.17		
Oxford ...	29.44	58	S	2	0	29.19	-.41	57	55	0	SSH	4	0	*	60	55	0.27		
Cambridge ...	29.45	58	S	3	0	29.24	-.39	56	55	0	S	3	0	*	65	54	0.12		
Yarmouth ...	29.53	59	S	7	cdp	29.33	-.34	58	56	+ 2	S	5	cdp	5	62	55	0.03		
The Helder ...	*	*	*	*	*	29.49	-.21	56	55	- 3	SSE	1	C	*	*	*	0.04		
Cape Gris Nez ...	29.62	61	SSH	7	0	29.42	-.34	59	59	+ 2	SSH	8	0	7	64	55	0.12		
Jersey ...	29.56	58	SH	8	0	29.44	-.29	60	57	+ 2	SH	9	cdp	7	63	57	0.11		
Brest ...	29.49	?	SH	5	m	29.44	-.20	57	55	- 2	W	6	f	8	61	41	0.47		
L'Orient ...	29.60	61	SH	6	T	29.60	-.16	59	55	- 2	W	8	T	8	64	52	0.63		
Rochefort ...	29.82	64	SH	7	0	29.83	-.12	61	57	+ 2	SH	9	0	7	73	52	0.39		
Biarritz ...																			
Corunna ...	*	*	*	*	*			*	*						*	*	*		
Brussels ...	*	*	*	*	*	29.59	-.25	57	54	+ 4	S	6	C	*	60	55	0.08		
Charleville ...	*	*	*	*	*	29.70	-.15	55	*	+ 1	S	6	0	*	*	*	*		
Paris ...	*	*	*	*	*									*	*	*	*		
Lyons ...	*	*	*	*	*	29.96	-.05	63	*	+ 2	S	?	0	*	*	*	*		
Toulon ...	29.99	61	NN	5	0	30.04	+.11	59	57	+ 2	E	4	bc	3	68	55	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.52	57	54	SSE	8	0	5	Valencia .....	28.80	59	55	S	8	ogdp	7
Thurso .....	29.11	58	55	SSE	3	0	3	Scilly .....	29.31	62	60	SSH	9	0	7
Scarborough ...	29.35	61	57	S	6	0	5	London .....	29.54	61	59	S	6	0	*
Greencastle ...	28.95	62	58	SSE	3	0	*	Rochefort ...	29.85	66	63	SSH	6	bc	4
Holyhead .....	29.17	59	57	SSH	5	0	4								

Pressure still decreasing everywhere, - quickly at Valentia. A hard SSH gale is blowing at Scilly, and a fresh S<sup>W</sup> gale in the S. of Ireland.

Mullaghmore	28.82	58	SE	6	0	28.80	-.20	56	55	+ 1	NNW	7	T	5	63	54	0.30
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## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency w. dew.

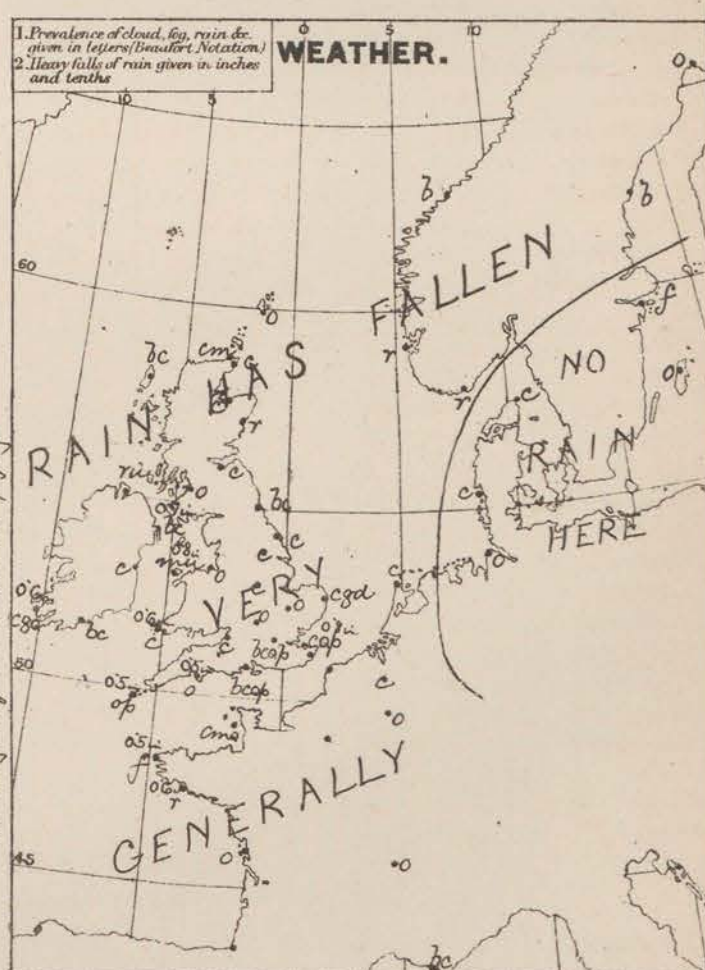
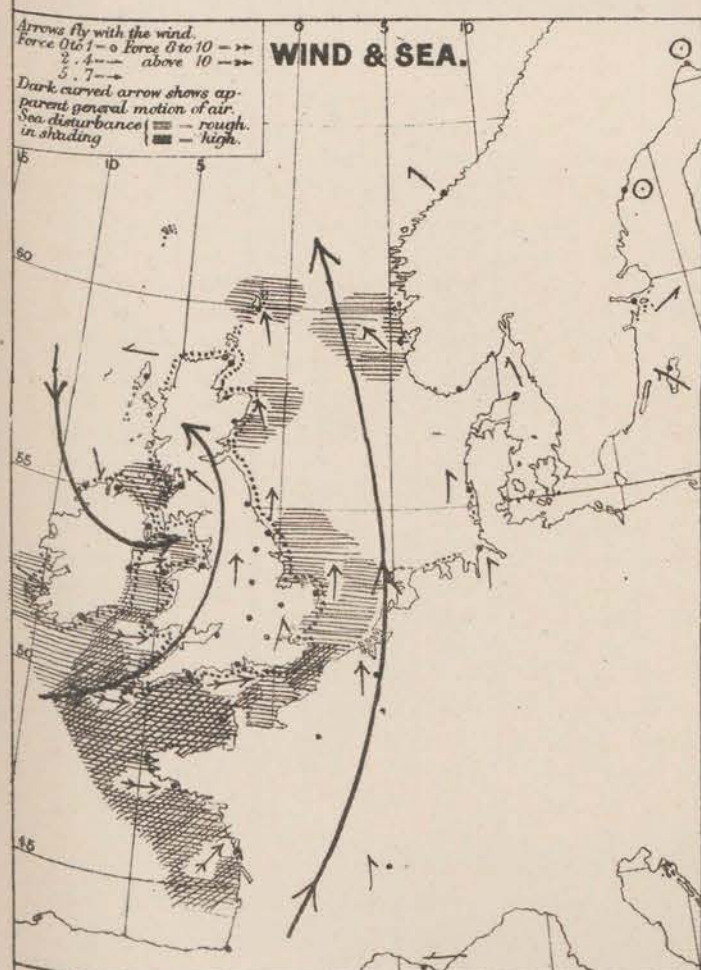
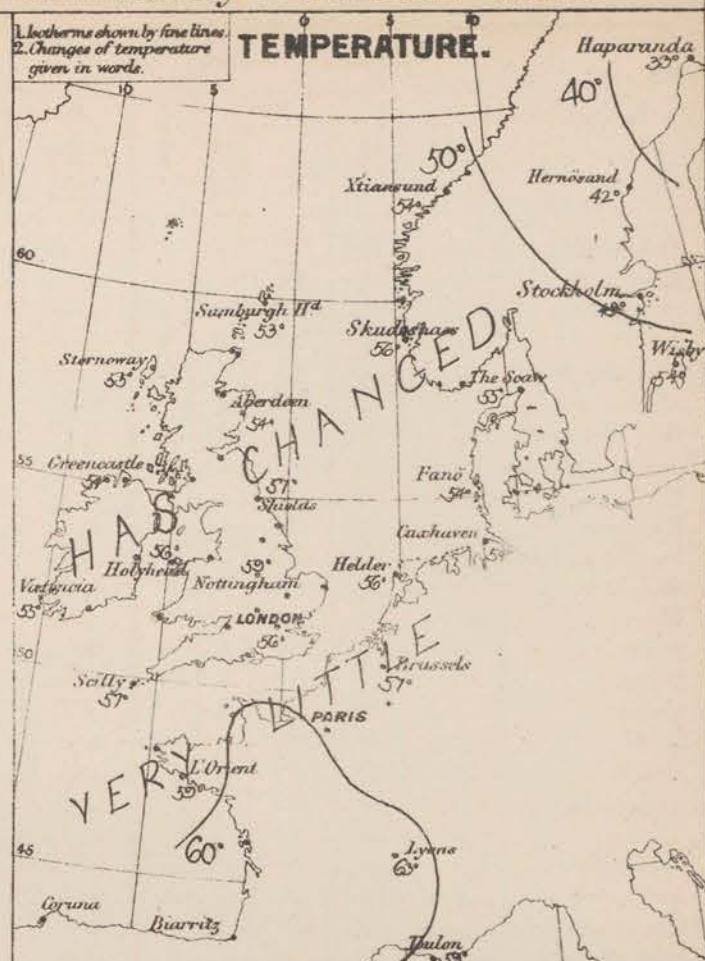
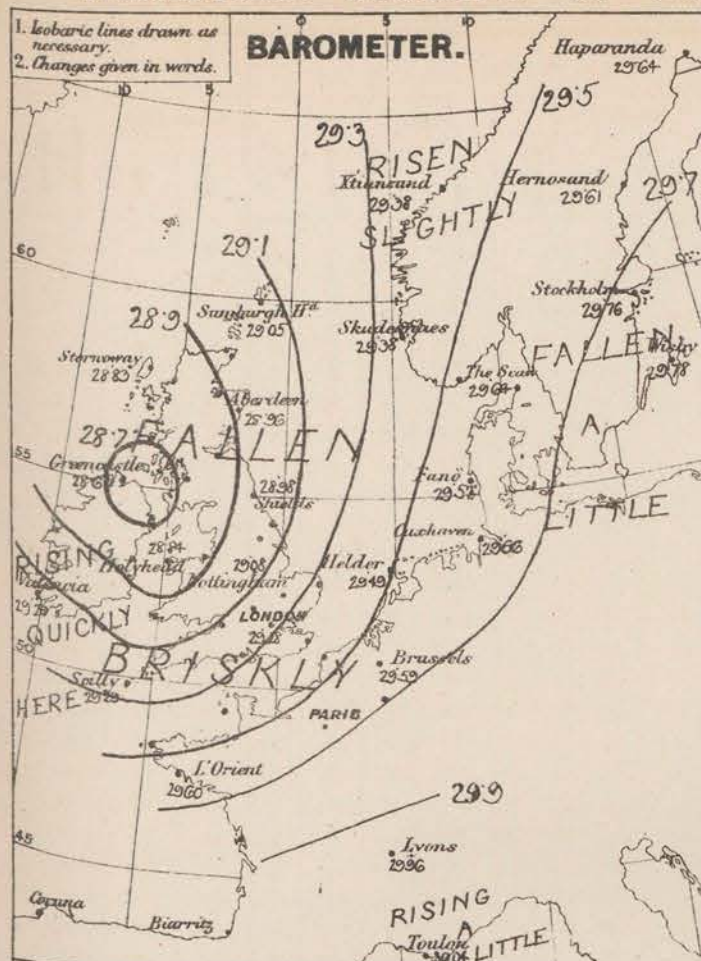
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.



**WEATHER CHARTS** *for 8 a.m. on Thursday 10<sup>th</sup> OCT<sup>r</sup> 1878.*



Note A dotted line is drawn round these corsets on which the naming symbols are now flying.

REMARKS. Weather is overcast, squally and very unsettled over the whole of Western Europe; fog, mist and passing showers of rain are reported from many districts. Thunder and lightning occurred at many of our south western stations last evening. Rain has fallen generally - heavily at Doneyhead, Holyhead and Dover. Temperature has changed very little, the tendency being upward in the east and north, and downward in the west; readings vary from  $61^{\circ}$  in the south to  $54^{\circ}$  at Aberdeen and  $53^{\circ}$  at Sunningbury H<sup>ts</sup>. The maxima during yesterday were  $66^{\circ}$  at Leith,  $65^{\circ}$  at Cambridge and  $64^{\circ}$  in London. Wind is W in the south west, but S by SE elsewhere; during yesterday and last night gales were experienced on all but the Scotch coasts, the force of the wind being strongest in the south west. Sea is high on all the south and south west coasts, very high at Hurst Castle and off the north west of France, rough generally.

Barometrical Indications. Baromet. is recovering somewhat in the south west, but is decreasing in all other places; the deep depression which was appearing in the south west yesterday has since travelled N<sup>o</sup> and is now shown over the north of Ireland, where the barometer is as low as  $29.65$  in. A small subsidiary is shown over Wales, and gradients are very steep in the west and south west.

Warnings. The warning signals are flying on all coasts.



# DAILY WEATHER REPORT

OCT 11<sup>th</sup>

1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.		
Haparanda ...	29.55	34	N	2	o	29.86	+ 22	37	37	+ 4	NE	2	o	*	39	30	-	
Hernösand ...	29.72	47	ESE	2	o	29.75	+ 14	46	46	+ 4	ENE	2	r	*	*	*	0.04	
Stockholm ...	29.75	50	SE	2	o	29.69	- 07	57	57	+ 2	S	2	7	*	*	*	0.04	
Wisby ...	29.77	51	SSE	4	bc	29.73	- 05	54	54	o	S	6	o	*	*	*	-	
Christiansund ...	29.35	57	SE	1	o	29.28	- 10	56	50	+ 2	SE	3	bc	3	57	50	-	
Skudesnaes ...	29.32	57	SSE	8	c	29.21	- 17	57	53	+ 1	SE	8	o	5	57	54	0.71	
Oxö (Xtiansand) ...	29.43	55	SSE	6	o	29.37	- 15	56	55	+ 2	SSE	6	c	4	?	54	0.12	
Skagen (The Seaw) ...	29.57	54	SSW	5	o	29.49	- 15	55	54	o	S	5	r	5	59	50	0.12	
Fanö ...	29.47	56	S	6	c	29.57	- 06	57	55	+ 3	SSW	4	c	*	?	52	0.28	
Cuxhaven ...	29.63	59	S	4	c	29.68	+ 02	57	55	+ 3	SW	5	bc	*	59	52	0.03	
Sumburgh Head ...	29.04	54	SE	5	m	29.06	+ 04	53	53	o	NN	1	8	2	54	51	0.20	
Stornoway ...	28.92	54	NN	3	bc	29.29	+ 14	52	51	- 3	NNN	6	e	5	56	50	0.21	
Thurso ...	28.92	55	SE	2	o	29.22	+ 28	54	53	o	NNN	5	ag	4	60	53	0.03	
Wick ...	28.92	55	S	3	c	29.20	+ 26	53	52	- 2	NN	2	o	2	58	52	-	
Nairn ...	28.88	57	N	0	o	29.29	+ 40	52	50	- 3	SW	3	o	2	60	57	0.12	
Aberdeen ...	28.82	55	SSE	2	o	29.57	+ 32	53	49	- 1	N	2	bc	2	57	53	0.05	
Leith ...	28.81	57	WSW	6	r	29.10	+ 55	52	50	- 4	N	5	bc	*	64	50	0.53	
Shields ...	29.00	58	WSW	6	bc	29.50	+ 32	52	49	- 5	N	5	c	2	61	57	-	
Scarborough ...	29.15	56	WSW	4	bc	29.57	+ 50	53	49	- 4	WSW	3	c	2	59	52	0.07	
York ...	29.18	56	N	4	bc	29.61	+ 55	53	48	- 4	N	4	bc	*	60	57	0.09	
Nottingham ...	29.31	55	N	3	bc	29.74	+ 66	53	49	- 6	N	5	c	*	61	49	0.06	
Ardrossan ...	28.95	57	N	6	r	29.50	+ 77	52	49	- 5	NNN	7	ag	4	58	51	1.56	
Greencastle ...	29.09	54	N	4	o	29.62	+ 95	49	45	- 5	N	4	o	*	56	47	0.64	
Donaghadee ...	29.13	56	N	5	c	29.72	+ 107	47	45	- 9	N	5	bc	3	57	46	0.05	
Kingstown ...	29.29	55	N	6	o	29.80	+ 97	48	44	- 9	NNN	6	bc	5	60	47	0.01	
Holyhead ...	29.27	56	N	6	cp	29.77	+ 93	50	46	- 6	NNN	6	bc	5	60	49	0.01	
Liverpool (Bidston) ...	29.22	55	WSW	7	o	29.70	+ 81	50	46	- 5	WSW	6	c	4	60	51	0.39	
Valencia ...	29.64	50	NNN	4	ag	29.98	+ 78	52	47	- 3	NN	3	bc	3	57	47	0.15	
Roche's Point... ..	29.59	55	NNN	5	bc	29.96	+ 83	50	46	- 6	NN	3	bc	4	59	48	0.06	
Pembroke ...	29.47	56	N	9	c	29.89	+ 90	53	48	- 4	NNN	6	bc	5	59	57	0.02	
Portishead ...	29.46	58	SSW	6	c	29.86	+ 75	57	48	- 6	SW	4	bc	5	60	49	0.40	
Seilly ...	29.60	56	NNN	8	ag	30.01	+ 72	54	50	- 3	NNN	5	ag	7	59	50	0.06	
Plymouth ...	29.62	55	NNN	4	bc	29.96	+ 75	57	49	- 6	NNN	3	o	*	61	49	0.05	
Hurst Castle ...	29.52	59	N	8	ag	29.89	+ 63	55	52	- 6	NNN	6	bc	7	62	52	0.08	
Dover ...	29.49	58	WSW	5	bc	29.84	+ 47	57	48	- 8	WSW	4	bc	4	61	49	0.46	
London ...	29.46	59	SW	4	bc	29.85	+ 57	52	48	- 4	WSW	3	bc	*	64	48	0.06	
Oxford ...	29.41	56	WSW	4	c	29.83	+ 64	50	47	- 7	N	3	c	*	60	48	0.20	
Cambridge ...	29.53	56	SW	4	bc	29.79	+ 58	57	48	- 5	WSW	3	bc	*	64	47	0.07	
Yarmouth ...	29.44	57	SW	5	ag	29.72	+ 39	52	50	- 6	WSW	5	bc	3	62	50	0.02	
The Helder ...	*	*	*	*	*	29.65	+ 16	57	54	+ 1	SW	3	r	*	*	*	0.12	
Cape Gris Nez ...	29.47	59	WSW	9	r	29.87	+ 45	55	50	- 4	N	7	bc	6	64	48	0.28	
Jersey ...	29.72	58	N	10	bc	30.04	+ 60	55	50	- 5	N	6	bc	7	61	57	0.14	
Brest ...	29.82	61	NNN	5	m	30.06	+ 62	54	48	- 3	NN	2	o	5	61	52	0.08	
L'Orient ...	29.59	57	NNN	7	c	30.12	+ 52	54	50	- 5	NNN	3	r	5	64	50	0.08	
Rochefort ...	29.99	61	WSW	8	o	30.19	+ 36	59	54	- 2	NNN	5	c	5	70	55	0.12	
Biarritz ...	30.15	66	N	6	c	30.23	+ 22	59	55	o	S	3	o	6	66	55	0.08	
Corunna ...	*	*	*	*	*	29.59	+ 30	57	49	- 6	SW	6	c	*	62	50	0.04	
Brussels ...	*	*	*	*	*	29.95	+ 25	57	*	- 4	WSW	3	o	*	*	*	*	
Charleville ...	*	*	*	*	*	30.07	+ 38	50	48	- 8	SW	3	bc	*	*	*	0.12	
Paris ...	29.83	54	SSW	4	r	30.13	+ 17	61	*	- 2	N	2	bc	*	*	*	*	
Lyons ...	*	*	*	*	*	30.13	+ 17	61	*	- 2	N	2	bc	*	*	*	*	
Toulon ...	30.02	61	N	4	c	30.14	+ 10	57	50	- 2	NN	4	bc	4	64	55	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.26	57	54	SSE	8	off	6	Valencia .....	29.50	54	49	NNN	7	orp	6
Thurso .....	28.91	58	56	SE	3	cu	3	Scilly .....	29.55	58	54	NNN	8	cu	8
Scarborough ...	29.05	58	56	SW	6	r	5	London .....	29.02	60	57	SW	4	o	*
Greencastle ...	28.89	55	53	N	4	o	*	Rochefort ...	29.92	64	59	SW	9	c	8
Holyhead .....	29.12	59	56	N	6	c	5								

Pressure still decreases in the N. and E. but is increasing in all other places, - brisk in the SW.  
The wind has veered somewhat generally and a NNW gale is blowing in the south-west.

Mullaghmore	29.26	52	NNN	9	r	29.76	49	45	NNN	8	r	6	57	46	0.43
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## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

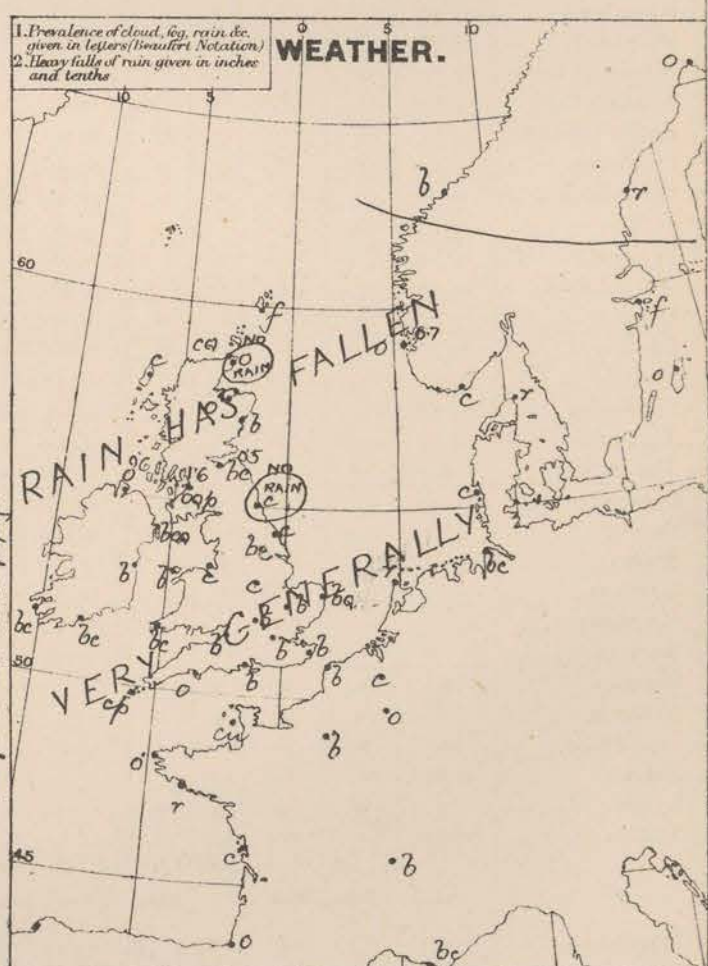
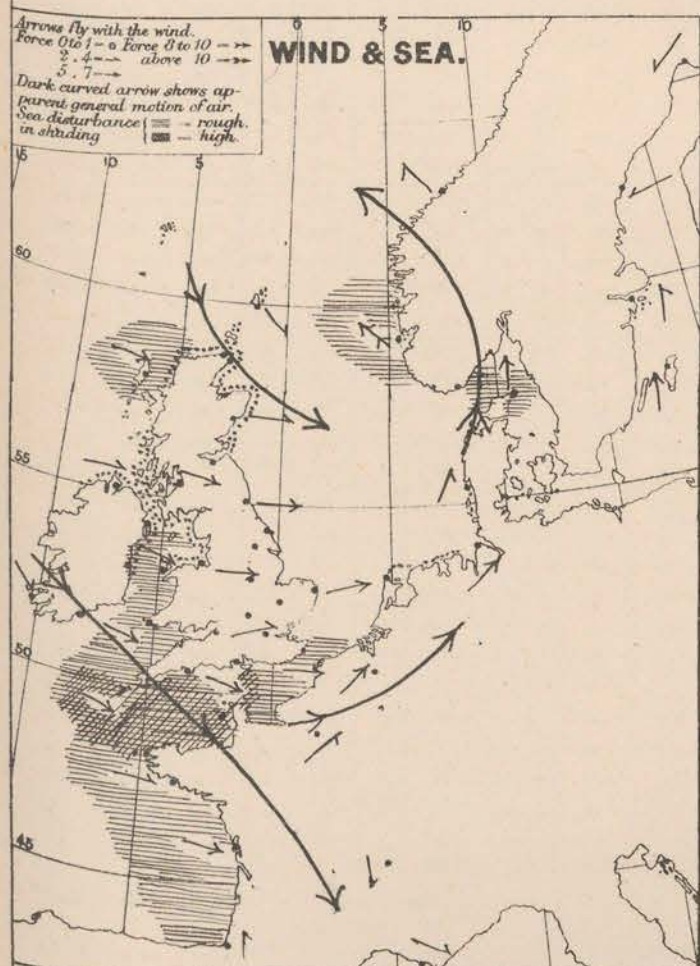
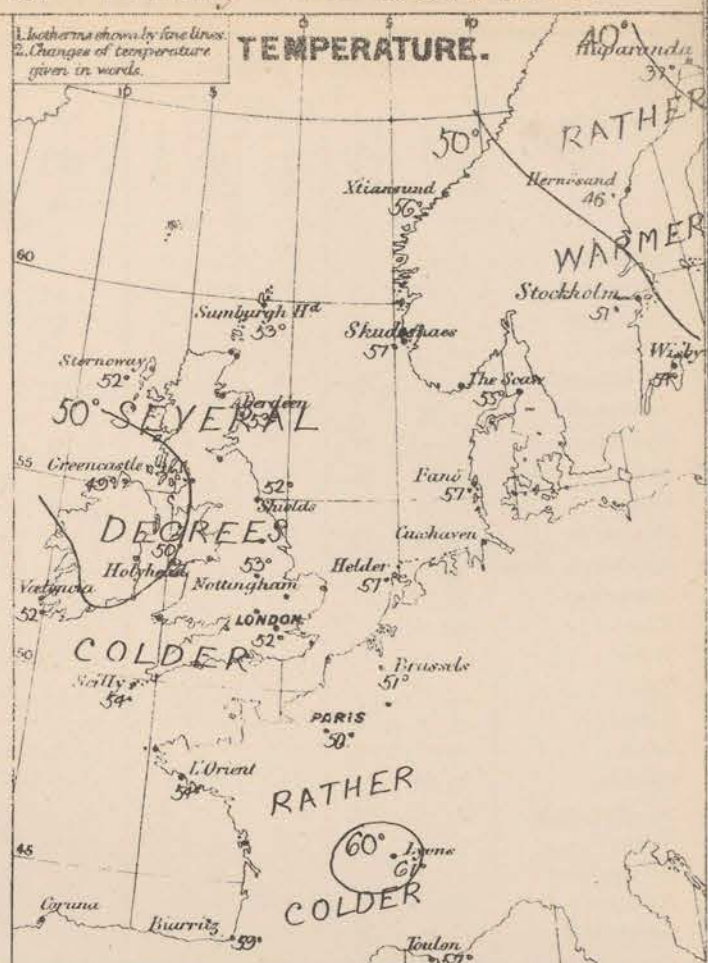
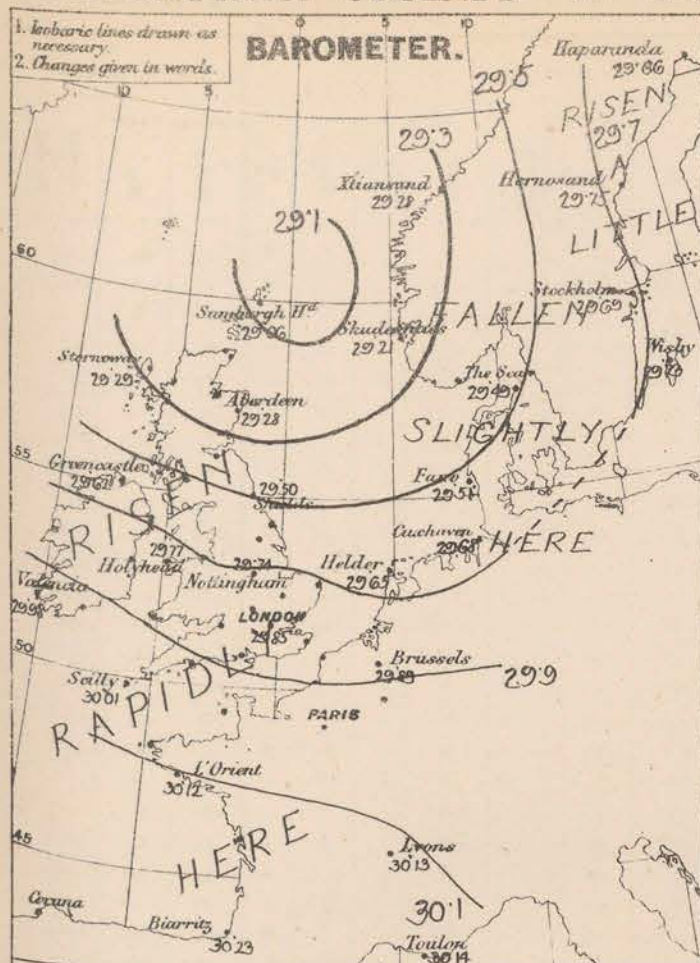
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.



WEATHER CHARTS for 8 a.m. on Friday 11<sup>TH</sup> OCT<sup>R</sup> 1878.



Note. A dotted line is drawn round those counts in which the signals are still flying.

**REMARKS.** Weather is cloudy or overcast on the eastern shores of the North Sea, at some of our northern, north western and western stations and in the west of France, but very fine and bright in nearly all other places. Rain is falling at Mullaghmore, Lorient and the Rhoe, fog is reported from the Netherlands. Rain has occurred during the past twenty-four hours in nearly all places, an inch and a half being measured at Ardrossan, 0.7 in. at Kildonan, and more than 0.5 in. at Leith and Greenock. Temperature has decreased a few degrees generally, and now varies from 55° at Bristol Castle to 47° in the north of Ireland. Wind is WNW on our coasts, W over France and S to SE on the eastern shores of the North Sea; it is still fresh to strong in force in many places, but the gale which prevailed yesterday has died down except in the west of Ireland. Sea is high in the western parts of the Channel, rough on the other south coasts and in the Irish Sea, slight in the east.

Barometrical Indications. The depression which yesterday lay over our north western station has since travelled NE<sup>W</sup> and is now shown near the Netherlands. It is apparently filling up, and the barometer has risen very quickly except in Norway and Sweden. At Donaghadee the change since 8 am yesterday amounts to more than an inch.

Warnings. The warning signals are now lowered on all but our north and north west coasts.

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Meteorological Office,  
116, Victoria Street, Westminster, S. W.

**R. H. SCOTT.**

SECRETARY



# DAILY WEATHER REPORT

OCT 12<sup>TH</sup>

1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PART 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.		Difference from 8 a.m. yesterday.	WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.		Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.77	42	Z	0	f	29.64	-22	46	46	+9	Z	0	f	*	46	34	0.32	
Hernösand ...	29.68	48	Z	0	f	29.57	-18	48	48	+2	S	2	f	*	*	*	0.12	
Stockholm ...	29.69	52	WSH	2	f	29.67	-02	51	50	0	SSH	4	o	*	*	*	-	
Wisby ...	29.78	54	SH	4	c	29.77	+04	53	52	-1	WSH	6	bc	*	*	*	-	
Christiansund ...	29.26	59	SE	3	bc	29.44	+16	53	51	-3	SH	8	f	2	61	46	0.20	
Skudesnaes ...	29.41	55	WSH	6	f	29.76	+35	52	51	-5	NNH	6	f	4	57	?	0.24	
Oxö (Xtiansand) ...	29.49	54	SH	7	f	29.67	+30	53	49	-3	WSH	4	bc	3	55	50	0.12	
Skagen (The Seaw) ...	29.61	54	SH	4	f	29.69	+20	54	50	-1	H	6	bc	5	59	48	0.24	
Fanö ...	29.75	55	WSH	4	o	29.89	+38	54	51	-3	H	4	c	*	59	50	0.24	
Cuxhaven ...	29.82	55	SH	5	o	29.99	+31	53	52	-4	NNH	5	f	*	55	48	0.13	
Sumburgh Head ...	29.39	50	NNH	6	c	29.79	+73	51	49	-2	NNH	8	e	6	54	47	0.04	
Stornoway ...	29.68	49	NNH	6	bc	29.92	+63	49	48	-3	S	3	bc	3	52	47	0.05	
Thurso ...	29.60	50	NNH	6	o	29.92	+70	50	48	-4	WSH	3	bcw	4	57	48	0.08	
Wick ...	29.61	48	NNH	4	o	29.94	+74	48	46	-5	H	2	o	1	56	44	0.07	
Nairn ...	29.72	47	H	5	c	29.99	+70	49	47	-3	Z	0	bc	1	54	47	-	
Aberdeen ...	29.67	53	NNH	3	o	30.01	+73	47	45	-6	H	1	bc	1	58	44	-	
Leith ...	29.77	50	H	4	bc	30.06	+66	50	48	-2	H	3	bc	*	57	47	-	
Shields ...	29.81	50	NNH	6	bc	30.12	+62	51	49	-1	H	3	bc	2	57	47	-	
Scarborough ...	29.86	50	NNH	6	bc	30.15	+58	53	49	0	H	2	bc	2	55	46	-	
York ...	29.91	49	H	3	bc	30.17	+56	50	48	-3	H	1	bc	*	59	45	-	
Nottingham ...	30.01	49	NNH	5	o	30.23	+49	47	45	-6	Z	0	bcw	*	60	40	-	
Ardrossan ...	29.86	51	NNH	8	fg	30.11	+61	54	50	+2	NNH	3	c	3	55	50	0.35	
Greencastle ...	29.93	50	WSH	4	o	30.12	+30	47	45	-2	SSH	2	o	*	56	43	0.13	
Donaghadee ...	29.98	50	NNH	4	bc	30.17	+45	44	43	-3	H	4	bc	3	53	42	-	
Kingstown ...	30.05	53	NNH	4	o	30.23	+43	50	46	+2	WSH	1	bc	2	55	46	-	
Holyhead ...	30.02	53	NNH	5	o	30.22	+45	50	48	0	H	1	bc	1	55	48	-	
Liverpool (Bidston) ...	29.98	53	H	4	c	30.24	+51	51	49	+1	H	1	bc	1	54	49	-	
Valencia ...	30.13	49	WSH	1	cm	30.17	+19	55	52	+3	SE	3	bc	4	57	40	-	
Roche's Point ...	30.11	55	NNH	2	o	30.22	+26	47	45	-3	NNE	1	bc	3	59	42	-	
Pembroke ...	30.10	55	NNH	3	o	30.26	+37	51	49	-2	NE	1	bc	2	55	49	-	
Portishead ...	30.09	53	NNH	3	o	30.26	+40	48	46	-3	NNH	1	bc	2	58	43	-	
Scilly ...	30.10	54	NNH	1	o	30.27	+26	55	51	+1	SE	2	bcw	4	57	50	0.01	
Plymouth ...	30.13	52	NNH	3	bc	30.28	+32	41	40	-10	NNH	1	bcw	*	59	39	-	
Hurst Castle ...	30.09	51	NNH	3	bc	30.26	+37	48	47	-7	Z	0	bc	3	60	43	-	
Dover ...	30.06	51	NNH	4	bc	30.23	+39	50	46	-1	NNH	3	bc	2	59	47	-	
London ...	30.06	44	H	1	bcw	30.26	+44	45	43	-7	NNH	1	bc	*	59	40	-	
Oxford ...	30.07	45	H	1	bc	30.26	+43	45	44	-5	WSH	1	bc	*	58	42	-	
Cambridge ...	30.03	50	H	2	bc	30.24	+45	46	44	-5	H	1	bc	*	59	45	-	
Yarmouth ...	29.94	52	H	4	bc	30.17	+45	48	46	-4	NNH	3	cm	3	57	43	-	
The Helder ...	*	*	*	*	*	30.09	+44	55	50	-2	NNH	3	c	*	*	*	0.12	
Cape Gris Nez ...	29.99	55	H	6	bc	30.23	+36	54	52	-1	NNH	3	o	2	59	52	-	
Jersey ...	30.17	54	NNH	3	c	30.31	+27	53	50	-2	ESE	2	c	2	60	49	-	
Brest ...	30.17	61	N	1	o	30.25	+19	48	46	-6	E	2	bc	5	61	45	-	
L'Orient ...	30.18	54	NNH	2	c	30.29	+17	50	48	-4	E	2	bc	4	61	45	-	
Rochefort ...	30.22	61	H	3	c	30.22	+03	52	50	-7	NE	4	bc	3	68	52	-	
Biarritz ...	30.12	65	ENE	1	bc	30.11	-12	55	52	-4	ENE	3	o	5	66	52	-	
Coronna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Brussels ...	*	*	*	*	*	30.21	+32	48	45	-3	SH	4	o	*	58	46	-	
Charleville ...	*	*	*	*	*	30.19	+24	48	*	-3	S	1	o	*	*	*	*	
Paris ...	30.19	52	Z	0	o	30.26	+19	44	?	-6	Z	0	bc	*	*	*	-	
Lyons ...	*	*	*	*	*	30.28	+15	55	*	-6	SE	2	f	*	*	*	*	
Toulon ...	30.13	61	NNH	5	bc	30.18	+01	61	57	+4	E	3	o	2	66	55	-	
YESTERDAY'S 2 P.M. REPORTS AND REMARKS.																		
	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.					
Skudesnaes ...	29.30	55	54	SSH	6	f	6	Valencia ...	30.05	57	50	H	2	o	3			
Thurso ...	29.45	51	51	NNH	6	pg	5	Scilly ...	30.11	55	51	NNH	5	op	6			
Scarborough ...	29.76	54	49	H	4	bc	4	London ...	29.99	58	55	NNH	3	bc	*			
Greencastle ...	29.82	54	48	H	4	bc	*	Rochefort ...	30.18	?	57	NNH	4	o	3			
Holyhead ...	29.94	53	49	NNH	5	c	4											
The barometer has ceased rising at Valencia since noon and the wind has backed to H, but elsewhere pressure still increases with NN <sup>2</sup> breeze.																		
Mullashmore	30.00	52	NNH	6	c	30.12	+36	50	47	+1	SSH	4	bc	3	?	46	0.04	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.30	55	54	SSH	6	f	6	Valencia .....	30.05	57	50	H	2	o	3
Thurso .....	29.45	51	51	NNH	6	fg	5	Scilly .....	30.11	55	51	NNH	5	op	6
Scarborough ...	29.76	54	49	H	4	bc	4	London .....	29.99	58	50	NNH	3	bc	*
Greencastle ...	29.82	54	48	H	4	bc	*	Rochefort ...	30.18	?	57	NNH	4	o	3
Holyhead .....	29.94	53	49	NNH	5	o	4								

The barometer has ceased rising at Valencia since noon and the wind has backed to H., but elsewhere pressure still increases with NNH breezes.

Mullaghmore	30.00	52	NNH	6	c	30.12	+36	50	47	+1	SSH	4	bc	3	?	46	0.04
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## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

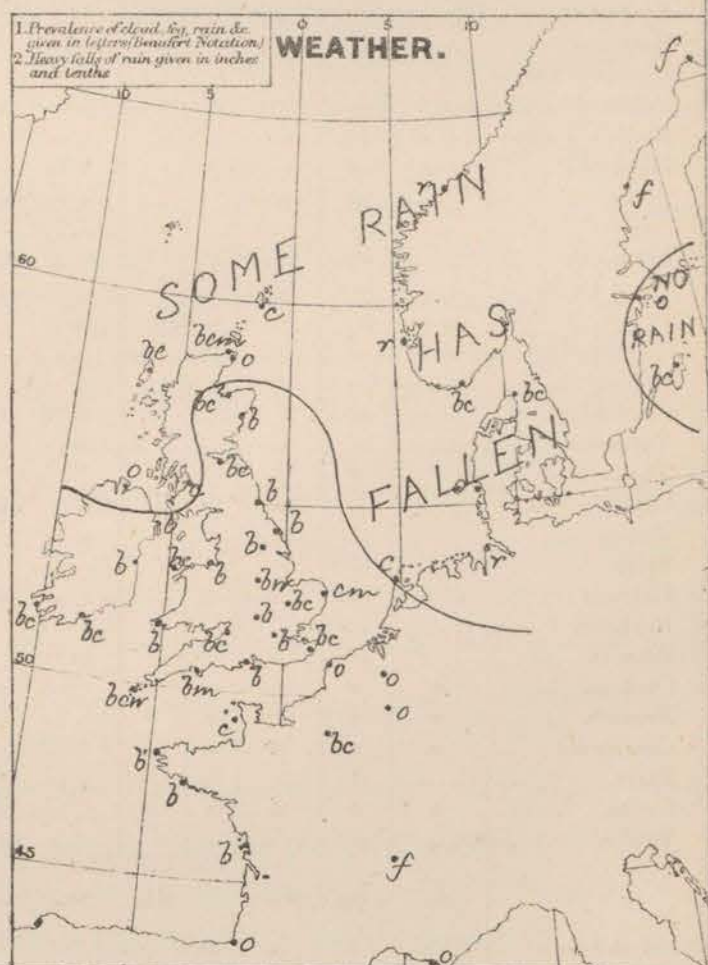
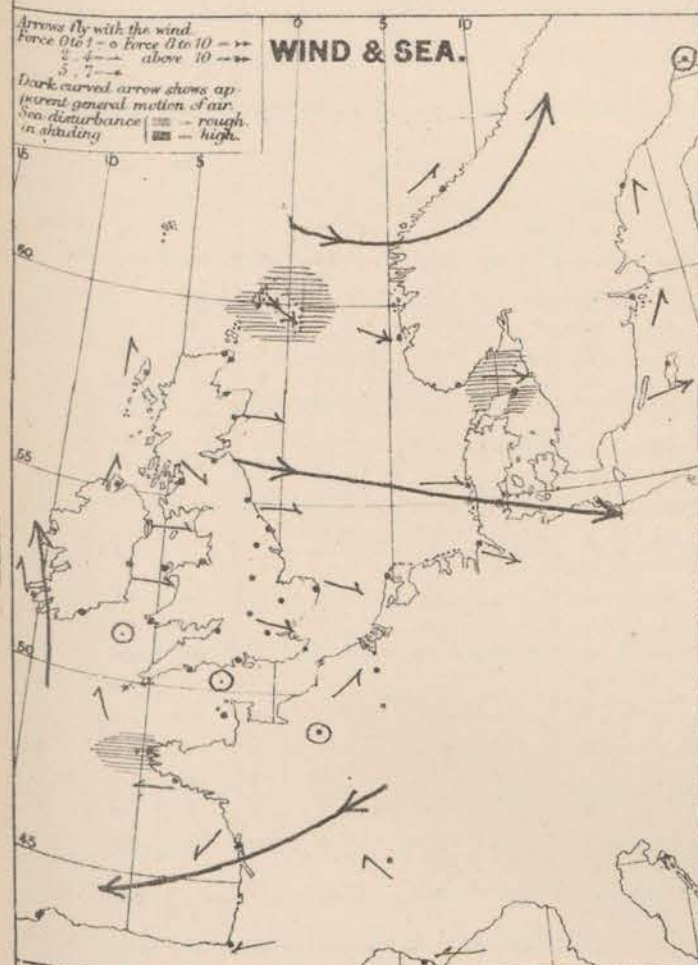
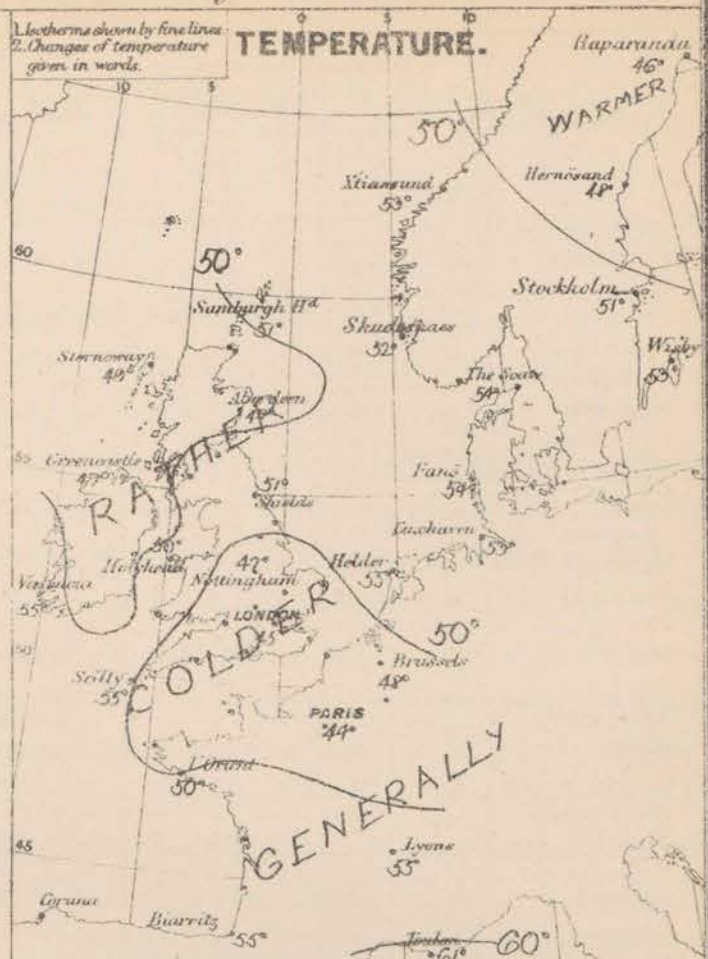
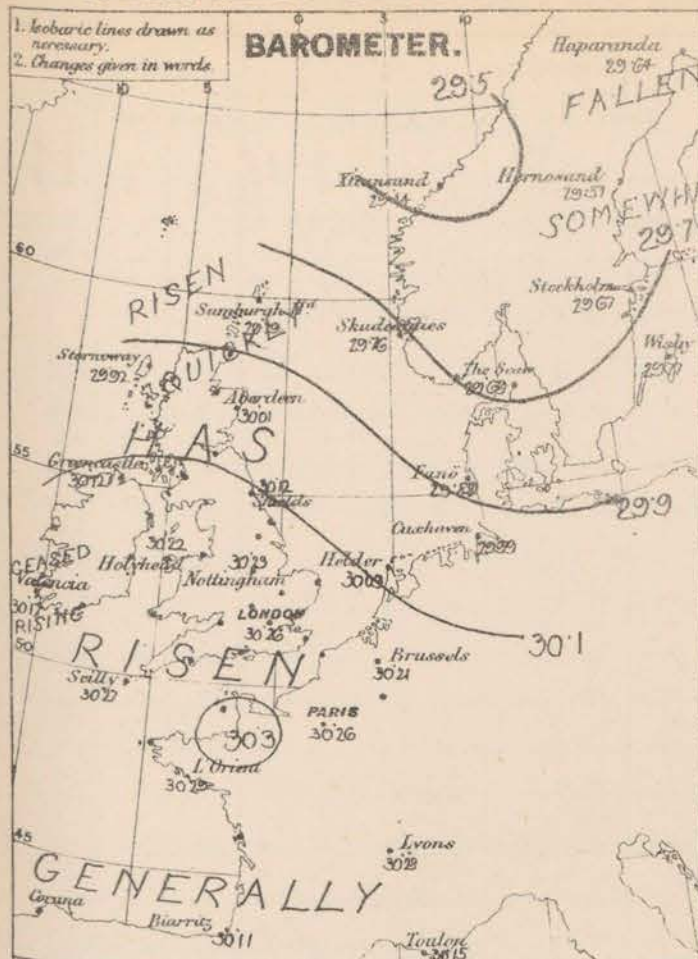
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p. (Paris time) in France.

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.



WEATHER CHARTS for 8 a.m. on Saturday 12<sup>TH</sup> OCT<sup>R</sup> 1878.



**REMARKS.** Weather is wet, dull and foggy in the countries to the E<sup>th</sup> of the North Sea, but is fine and bright over these islands and France, though some mist prevails locally. Slight rain has fallen in the north of Scotland and over the Channel. <sup>A lunar halo was seen in many parts of England last night.</sup> ~~Land breeze.~~ Temperature has risen in Sweden, but fallen in all other parts of Northern Europe except at a few of our south western stations; it varies over these islands from 55° in the south west and 54° at Ardara to 41° at Plymouth, at which station the thermometer is 5° lower than that at Haparanda, in Sweden. Wind has backed to the S<sup>th</sup> over our extreme western coasts, but is W<sup>ly</sup> at nearly all our other stations; it blows a fresh gale off the Shetlands, but is light elsewhere. In Norway and Denmark the wind is fresh from the W<sup>th</sup>, and in Sweden from S, while in the south of France it is E<sup>ly</sup>. Sea is moderate to slight.

Barometrical Indications. Pressure is decreasing in Sweden, increasing in nearly all other parts of Northern Europe, but on our south west coasts the barometer has ceased rising since last evening. A large anti-cyclone lies over France and the south of England.



# SUMMARY OF WEATHER IN WESTERN EUROPE

from OCT<sup>R</sup> 6<sup>TH</sup> to OCT<sup>R</sup> 12<sup>TH</sup> 1878.

(Issued Weekly as a Supplement to the "Daily Weather Report.")

During this week the changes in pressure have large and important, but at the same time gradual and regular. Readings have been highest over Central Europe and deep depressions have passed NE<sup>W</sup> over our N<sup>W</sup> coasts. On Sunday a uniform decrease of about 0.3 in. was shown over these Islands, but the disturbance which caused it passed outside our coasts, and only strong S<sup>W</sup> winds or moderate gales were experienced. On Monday morning, however, the barometer fell very quickly in the S<sup>W</sup>, a deep depression (28.8 in.) advanced to those coasts and hard S<sup>W</sup> gales sprang up, extending thence with less force, to our other coasts as the minimum travelled slowly NE<sup>W</sup>. During Tuesday a brisk recovery took place accompanied by S<sup>W</sup> breezes, but on Wednesday morning the barometer was again falling in the S<sup>W</sup>, where the winds had backed, and at Feilly increased to a strong gale. The new disturbance proved to be quite as severe as the previous one and as it advanced slowly NNE<sup>W</sup> hard N<sup>W</sup> to S<sup>W</sup> gales were experienced on nearly all coasts. In its rear a brisk recovery took place, but gradient remained steep and the winds strong until Saturday, when a large anticyclone was shown over England and France, and light variable breezes prevailed. These conditions, however, were only temporary for in the afternoon and evening the mercury was falling again in the N. causing gradients for S<sup>W</sup> winds. Temperature changed very little during the early part of the week, but decreased briskly with the advent of NN<sup>W</sup> winds at its close. Rain has fallen in many places the amounts being occasionally heavy.

## SUNDAY OCT<sup>R</sup> 6<sup>TH</sup>

Weather clear at some of our E. coast stations, in N. Germany and the E. of France, cloudy or dull elsewhere, with some mist and rain in the N. Rain falling later in the day in all districts except the countries to the E<sup>W</sup> of North Sea.

Temperature higher over the greater part of France, the SE. of England and Scotland, little change in most other places; very high in the SE.; the maxima reaching 70° in London and at Portsmouth.

Wind southerly (S<sup>W</sup> to SE.) over the whole of Western Europe; light in force in the E. but fresh to strong in the N. and at Skudesnaes.

Sea rough in the S<sup>W</sup> and N. moderate to slight elsewhere.

Barometer rising over Sweden but falling in all other places, the change being uniformly about 0.3 in. over these Islands.

## MONDAY OCT<sup>R</sup> 7<sup>TH</sup>

Weather at first fine in the N. and NN. of France, & at some of our S<sup>W</sup> stations, cloudy or overcast in nearly all other places, with a good deal of fog and mist; rain falling at Kingston, Scarborough and Lumburgh Head, snow at Naparanda. Rain subsequently falling over nearly the whole of these Islands.

Temperature little changed, readings varying from 61° in the SE. to 53° in the Netherlands, the maximum readings not reaching 70° at any of our stations, but still high for the season especially in the N.

Wind S<sup>W</sup> over the whole country, strong in force in the S<sup>W</sup>. Subsequently backing to SE., and increasing to a very hard gale at Feilly, and a hard gale from SE. to S. at several of our other N<sup>W</sup> stations.

Sea rough in the S. and S<sup>W</sup>.

Barometer falling everywhere; decrease rapid on our S<sup>W</sup> coast, a large depression appearing there and advancing N<sup>W</sup> up our N<sup>W</sup> coast. Readings at its centre as low as 28.75 in.

## TUESDAY OCT<sup>R</sup> 8<sup>TH</sup>

Weather moderately fine at some of our N<sup>W</sup> stations, but overcast or cloudy generally, with rain in the E. and S. of France, at Oros, and Androsau. Rain subsequently falling generally, except in the SE. where weather was very clear in the evening.

Temperature scarcely changed, varying from 61° in the S. to 55° at Newcastle; maxima reaching 68° at Nottingham and



67° in London, and minima not below 50° in any part of these Islands during the night.

Wind S<sup>W</sup> over the whole of N<sup>W</sup> Europe, blowing a gale at Scilly, and strongly on most coasts during the day.

Sea high off Ushant and Hurst Castle, rough generally in the N. and S.

Barometer recovering in S<sup>W</sup>, falling briskly elsewhere, the depression lying over N. Ireland. Centre subsequently passing slowly NE<sup>W</sup>, and recovery in pressure becoming general.

#### WEDNESDAY OCT<sup>R</sup> 9<sup>TH</sup>

Weather fine in the SE. and over the S. of France, cloudy or overcast elsewhere, with much rain, mist and fog. Weather dull wet and unsettled all day, rain very general.

Temperature rather lower except in the N.; readings very uniform over N<sup>W</sup> Europe, maxima during the day, varying between 55° and 66°, minima above 50° everywhere and reaching 57° in the S.

Wind S<sup>W</sup> on nearly all coasts, but backing to SE. in the S<sup>W</sup>; blowing a hard gale at Scilly, and strongly except in the N.

S<sup>W</sup> to S<sup>W</sup> gale subsequently experienced except in the N<sup>W</sup>, strongest force in the S<sup>W</sup>.

Sea rough in the N. and S.

Barometer commencing to fall again in the S<sup>W</sup>, but rising in the N. and E. The decrease becoming rapid in the S. of Ireland later in the day, and spreading to all coasts. A fresh and serious depression appearing near Valencia.

#### THURSDAY OCT<sup>R</sup> 10<sup>TH</sup>

Weather dull, squally and unsettled over the whole of N<sup>W</sup> Europe, rain falling in the NE. and showers in the S. Slight improvement occurring in the E. and SE. later in the day. Rain amounting to 1.5 in. at Androsan, 0.7 in. at Androsan, and more than 0.5 in. at Leith and Newcastle.

Temperature scarcely changing and very uniform varying from 61° at Hurst Castle to 53° at Lumburg Head the maxima ranging from <sup>(54° to 64°)</sup>

Wind N<sup>W</sup> in the S<sup>W</sup> and N. of France, S<sup>W</sup> to S<sup>W</sup> elsewhere, strong to a moderate gale generally and reaching the force of a hard gale in the S<sup>W</sup> and the Channel. Gale lasting all day in the N. and S.

Sea very high in the S<sup>W</sup>, rough generally.

Barometer recovering quickly in the S<sup>W</sup>, falling briskly elsewhere. The <sup>new</sup> depression advancing NE<sup>W</sup>, and lying over the N. of Ireland, the reading at Donaghadee being 28.65 ins. Gradient very steep in the S. and SE.

#### FRIDAY OCT<sup>R</sup> 11<sup>TH</sup>

Weather very fine over the greater part of these Islands, and in the E. of France, but dull in the N. of that country, at some of our N<sup>W</sup> and N<sup>W</sup> stations, and on the E<sup>W</sup> shore of the North Sea. Rain subsequently falling in the N<sup>W</sup> and N. over Scandinavia.

Temperature higher in Sweden, lower elsewhere - several degrees over these Islands; readings very uniform over N<sup>W</sup> Europe. In maxima only reaching 60° at Hurst Castle and Nottingham.

Wind N<sup>W</sup> on our coasts, N<sup>W</sup> in France and S<sup>W</sup> to S<sup>W</sup> or SE<sup>W</sup> over the Netherlands, Denmark and Norway, fresh to strong in force generally, but gale dying down.

Sea still high in the S<sup>W</sup>, and rough in the N. and S. generally.

Barometer falling in Norway and Denmark, rising elsewhere - rapidly on our coast. Gradient steep in morning but becoming lighter during the day, the depression moving slowly NE<sup>W</sup>.

#### SATURDAY OCT<sup>R</sup> 12<sup>TH</sup>

Weather very fine and bright over these Islands and the greater part of France, cloudy in most other places, with rain in the N. of Norway and at Cuxhaven. No rain falling over England or Ireland, but slight amounts in Scotland.

Temperature lower generally but inclined to rise in the S<sup>W</sup>, greatest decrease on our S. coast, the thermometer at Plymouth being as low as 41° or 5° lower than Haparanda (Lapland).

Wind light and variable over S<sup>W</sup> England, but S<sup>W</sup> in the N. and N<sup>W</sup>. N<sup>W</sup> to N<sup>W</sup> in the E. and E<sup>W</sup> over France; blowing strongly over the North Sea. S<sup>W</sup> winds in the N. increasing and spreading E<sup>W</sup> during the day.

Sea rough off Ushant and the Shetlands.

Barometer at 8 am rising briskly in most places, but becoming unsteady in the S<sup>W</sup>. Large anticyclone lying over England and France. Decided fall appearing in the N. later in the day, and gradient for S<sup>W</sup> winds forming.

Meteorological Office,

116 Victoria Street, Westminster, S.W.

ROBERT H. SCOTT, Secretary.



# DAILY WEATHER REPORT

OCT<sup>R</sup> 13<sup>TH</sup> 1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY										LAST 24 HOURS		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 2.)	SHADE TEMP.		Amount of Rainfall.			
			Dir.	Force. (0 to 12).			Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.				
Haparanda ...	29.60	46	Z	0	f	29.68	+ 0.4	44	44	- 2	Z	0	f	*	46	41	-		
Hernösand ...	29.64	47	Z	0	f	29.83	+ 2.6	49	45	+ 1	H	2	c	*	*	*	-		
Stockholm ...	29.70	53	NSH	4	o	29.89	+ 2.2	52	50	+ 1	SH	2	o	*	*	*	-		
Wisby ...	29.82	53	NSH	8	o	29.92	+ 1.5	52	50	- 1	H	6	c	*	*	*	-		
Christiansund ...	29.76	49	NSH	9	r	29.88	+ 4.4	52	49	- 1	SH	6	r	5	52	43	0.39		
Skudesnaes ...	30.02	57	NNH	3	c	30.12	+ 3.6	53	57	+ 1	SH	2	bc	3	?	50	0.32		
Oxö (Ålansand) ...	29.91	53	H	4	o	30.15	+ 4.8	52	49	- 1	NSH	2	b	2	54	48	-		
Skagen (The Sæw) ...	29.84	54	NNH	6	bc	30.09	+ 4.0	53	49	- 1	NNH	5	b	5	57	48	-		
Fanö ...	30.12	53	NNH	6	c	30.25	+ 3.6	57	53	+ 3	H	4	c	*	?	50	0.04		
Cuxhaven ...	30.14	54	NN	2	c	30.34	+ 3.5	53	51	0	NNH	1	o	*	54	48	0.20		
Sumburgh Head ...	29.92	52	H	5	r	29.89	+ 1.0	52	57	+ 1	NSH	4	r	4	55	50	0.03		
Stornoway ...	29.89	54	SSE	5	c	29.73	- 1.9	54	54	+ 5	?SE	9	r	7	55	48	0.02		
Thurso ...	29.98	50	S	1	o	29.87	- 0.5	53	52	+ 3	SSE	3	o	3	56	49	0.12		
Wick ...	29.98	52	SH	2	o	29.85	- 0.9	55	53	+ 7	SSH	3	c	2	56	41	0.11		
Nairn ...	30.01	57	H	1	bc	29.89	- 1.0	56	54	+ 7	Z	0	o	1	56	49	-		
Aberdeen ...	30.07	52	Z	0	o	30.00	- 0.1	53	52	+ 6	SH	3	c	2	58	47	0.03		
Leith ...	30.12	52	H	3	c	30.02	- 0.4	56	52	+ 6	SH	4	c	*	60	49	-		
Shields ...	30.21	53	H	2	o	30.18	+ 0.6	48	45	- 3	SSH	3	bc	2	61	47	-		
Scarborough ...	30.23	57	NSH	2	o	30.23	+ 0.8	49	47	- 4	SH	2	bc	2	59	45	-		
York ...	30.25	52	H	1	o	30.25	+ 0.8	44	43	- 6	SSH	2	bc	*	62	42	-		
Nottingham ...	30.29	57	Z	0	c	30.30	+ 0.7	45	44	- 2	S	1	bcw	*	62	37	-		
Ardrossan ...	30.11	55	SH	3	o	30.01	- 1.0	57	54	+ 3	SSH	5	o	5	57	53	-		
Greencastle ...	30.07	53	S	3	o	29.91	- 2.1	56	52	+ 9	SSE	5	o	*	56	46	-		
Dona, adee ...	30.14	50	SH	3	o	30.04	- 1.3	54	52	+ 10	S	5	c	3	55	43	-		
Kingstown ...	30.20	54	SE	1	c	30.08	- 1.5	55	51	+ 5	S	4	o	4	57	49	-		
Holyhead ...	30.22	53	SH	4	o	30.13	+ 0.9	55	53	+ 5	S	4	cw	3	57	49	-		
Liverpool (Bidston) ...	30.25	53	SH	1	bc	30.21	+ 0.0	46	44	- 5	SE	2	bc	1	58	44	-		
Valencia ...	30.07	57	S	7	o	29.90	- 2.7	57	55	+ 2	SSE	7	omg	6	58	53	-		
Roche's Point ...	30.19	57	SSH	5	bc	30.06	- 1.6	57	54	+ 10	SSH	4	o	4	59	47	-		
Pembroke ...	30.27	55	SH	2	c	30.17	- 0.9	56	53	+ 5	S	5	c	4	58	53	-		
Portishead ...	30.31	52	SSE	2	bc	30.26	+ 0.0	50	48	+ 2	SSE	3	bcw	2	62	44	-		
Scilly ...	30.29	54	SSH	4	c	30.19	- 0.8	57	55	+ 2	S	6	o	5	59	53	-		
Plymouth ...	30.31	52	SH	2	o	30.26	+ 0.2	55	57	+ 14	S	4	o	*	58	45	-		
Hurst Castle ...	30.30	56	H	2	o	30.31	+ 0.5	57	52	+ 9	SSH	3	bcw	3	62	42	-		
Dover ...	30.32	53	NNH	2	o	30.33	+ 1.0	45	43	- 5	NNE	2	o	1	58	44	-		
London ...	30.32	56	NSH	1	bcw	30.35	+ 0.9	40	40	- 5	Z	0	bc	*	61	38	-		
Oxford ...	30.29	53	H	1	m	30.32	+ 0.6	45	43	0	S	1	o	*	61	39	-		
Cambridge ...	30.31	52	H	1	m	30.35	+ 1.1	40	39	- 6	SH	1	o	*	65	35	-		
Yarmouth ...	30.27	54	Z	0	o	30.34	+ 1.7	48	46	0	NSH	2	bcw	2	57	44	-		
The Helder ...	*	*	*	*	*	30.34	+ 2.5	46	45	- 9	NSH	1	bc	*	*	*	-		
Cape Gris Nez ...	30.30	55	H	1	o	30.38	+ 1.5	52	50	- 2	SE	1	o	0	61	50	-		
Jersey ...	30.35	52	NE	1	o	30.36	+ 0.5	55	57	+ 2	S	3	o	3	61	50	-		
Brest ...	30.29	61	NE	2	o	30.24	- 0.1	54	50	+ 6	SE	4	o	4	63	46	-		
L'Orient ...	30.33	57	H	1	o	30.32	+ 0.3	50	48	0	ESE	3	o	3	63	46	-		
Rochefort ...	30.28	63	NE	4	bc	30.31	+ 0.9	46	45	- 6	ENE	4	o	3	?	48	-		
Biarritz ...	30.19	64	SE	2	o	30.22	+ 1.1	55	48	0	ESE	3	o	3	68	48	-		
Corunna ...	*	*	*	*	*	30.18	- 0.3	58	*	+ 4	Z	0	o	?	*	*	*		
Brussels ...	*	*	*	*	*	30.40	+ 1.9	42	43	- 5	H	1	o	*	57	41	-		
Charleville ...	*	*	*	*	*	30.36	+ 1.7	42	*	- 6	SE	1	o	*	*	*	*		
Paris ...	30.34	45	Z	0	o	30.39	+ 1.3	41	41	- 3	NNE	1	o	*	*	*	-		
Lyons ...	*	*	*	*	*	30.24	- 0.4	55	*	0	H	?	o	*	*	*	*		
Toulon ...	30.13	61	E	2	o	30.01	- 1.4	57	50	- 4	SH	3	c	3	66	55	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.95	51	48	NN	6	r	4	Valencia .....	30.13	57	55	SSE	6	59	6
Thurso .....	29.98	54	52	SSH	1	o	3	Scilly .....	30.29	58	54	S	5	60	4
Scarborough ...	30.20	58	52	N	2	o	2	London .....	30.28	59	52	NNN	2	6	*
Greencastle ...	30.11	53	50	SH	3	o	*	Rocheport ...	30.24	68	59	NE	3	60	3
Holyhead .....	30.24	56	57	SH	3	o	2								

The barometer is falling again in Ireland, and the wind rising from the southward on our SH. coast, with a gloomy appearance and so rough sea.

Mullaghmore	30.03	55	SSH	5	o	29.84	- 2.8	55	53	+ 5	S	8	ow	5	57	49	-
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## EXPLANATION OF COLUMNS

**WEATHER.**—Beaufort Scale is, b. blue sky; o. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. light rain; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

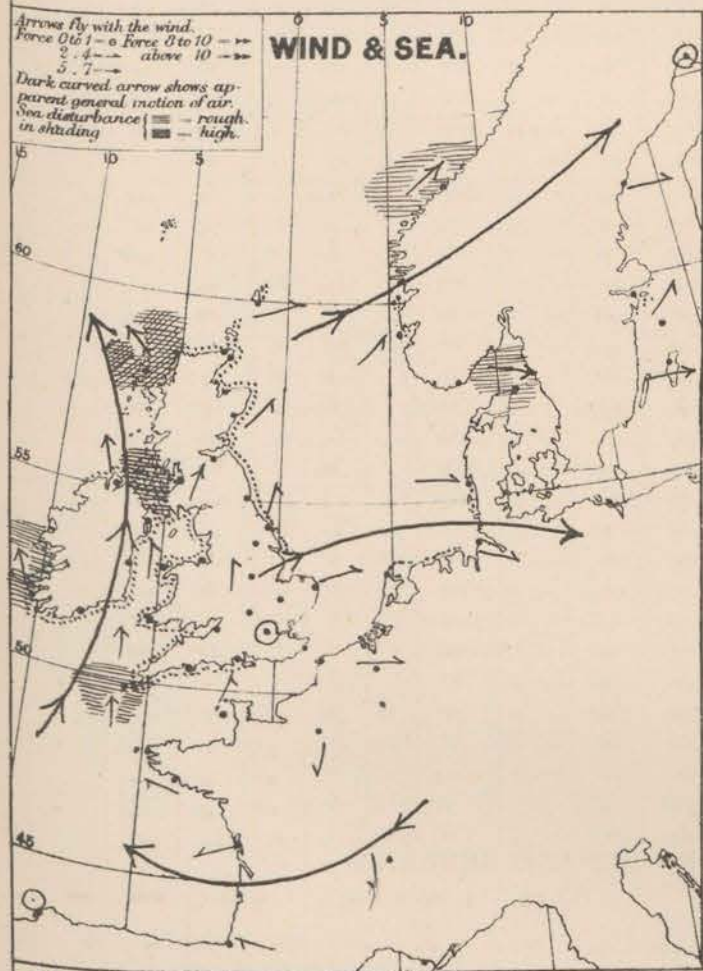
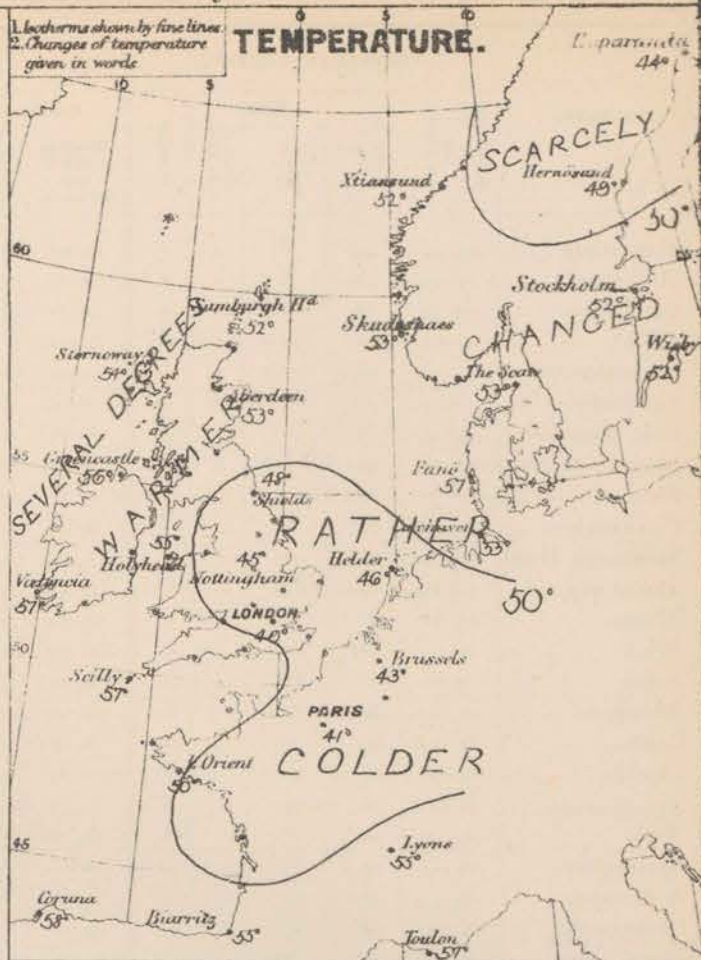
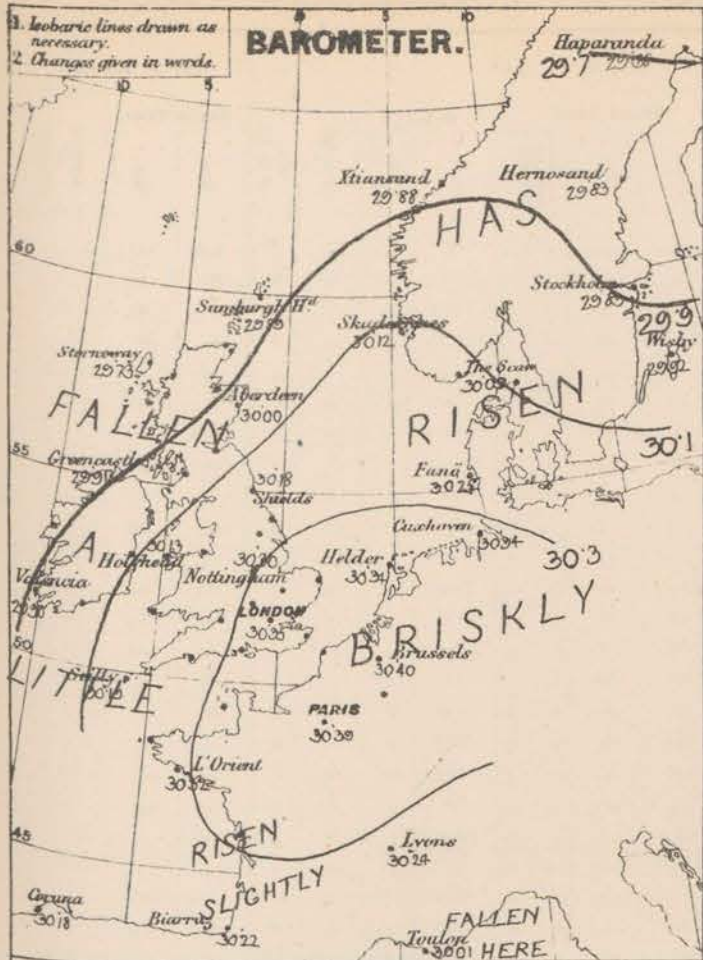
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.

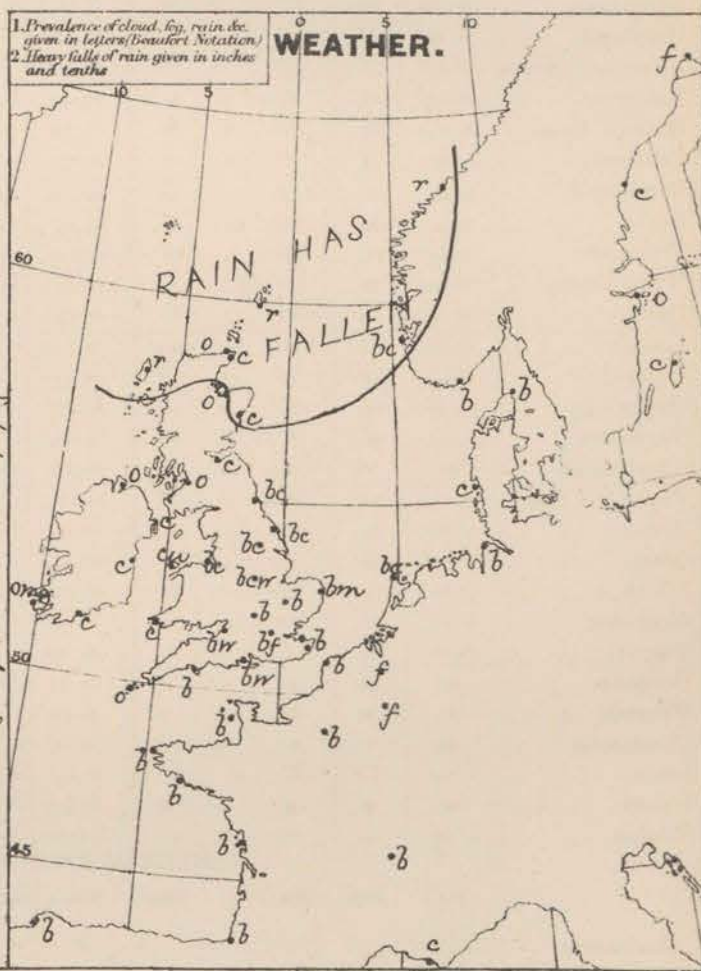


## WEATHER CHARTS

for 8 a.m. on Sunday 13<sup>TH</sup> OCT<sup>R</sup> 1878.



Note A dotted line is drawn round those constants on which the warning signals are now flying.



REMARKS. Weather is overcast or very cloudy at all our western and northern stations, with a gloomy appearance at Valentia and rain at Lamlough H. and Kilmory; in all other parts of Western Europe, however, the sky is clear or nearly so, and the weather very fine and dry. A little rain fell yesterday in the north of Scotland and west of Norway but all other districts escaped. Temperature has risen several degrees in the west and north but fallen somewhat in the south-east; the lowest reading reported this morning is that in London where the thermometer stands at  $40^{\circ}$ ; in the west of our Islands it is about  $55^{\circ}$ , and even in the north of Sweden is as high as  $44^{\circ}$ . The lowest minima reported are those at Nottingham and in London, which are respectively  $37^{\circ}$  and  $35^{\circ}$ . Wind is  $S^{\frac{1}{2}}$  on our coasts, but draws into SW and W. in Scandinavia, while in the west of France an E breeze is blowing; it is strong in force on our south west coasts and blows a hard gale from SE at Kilmory, but on our east coasts it is quite light. Sea is high at Kilmory, rough on most exposed parts of our western coasts. Barometrical Indications. The barometer has risen quickly over Norway and Denmark, but fallen somewhat on our western and northern coasts and gradients for  $S^{\frac{1}{2}}$  winds are increasing over our Islands. The highest pressures lie over France, the Netherlands and our south eastern counties, and depression appears to be passing in a N<sup>W</sup> direction outside our western coasts. Thermometers were sent to our SW coasts yesterday afternoon, and have been returned to the north west, north and north east this morning.

Subscriptions for these Charts payable in advance to cover delivery. Delivery by hand 10/- per quarter, book post 5/- per quarter.

Meteorological Office,  
116, Victoria Street, Westminster, S. W.

**R. H. SCOTT.**

Secretly



# DAILY WEATHER REPORT

OCT 14<sup>TH</sup>

1878.

STATIONS.	↑ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.			
			Dir.	Force. (0 to 12).			Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.				
Haparanda ...	29.97	40	X	0	0	30.13	+ .45	42	42	- 2	X	0	0	*	45	36	-		
Hernösand ...	30.09	40	X	0	0	30.22	+ .39	38	38	- 11	X	0	0	*	*	*	-		
Stockholm ...	30.15	46	SH	2	0	30.31	+ .42	42	42	- 10	X	0	0	*	*	*	-		
Wisby ...	30.10	53	NNH	4	0	30.28	+ .36	48	46	- 4	NNH	4	0	*	*	*	-		
Christiansund ...	29.96	52	SSE	1	0	30.02	+ .14	48	46	- 4	X	0	0	4	54	43	0.04		
Skudesnaes ...	30.19	54	S	6	0	30.25	+ .13	55	52	+ 2	SSE	8	0	5	?	?	-		
Oxö (Xtiansand) ...	30.22	57	YH	4	0	30.32	+ .17	46	45	- 6	NNH	2	0	2	55	45	-		
Skagen (The Scaw) ...	30.25	49	NNH	2	0	30.33	+ .24	48	47	- 5	NNH	3	0	2	57	41	-		
Fanö ...	30.33	50	SH	2	0	30.37	+ .12	47	47	- 10	SE	1	0	*	57	43	-		
Cuxhaven ...	30.29	56	N	1	0	30.44	+ .10	45	45	- 8	S	1	0	*	55	41	-		
Sumburgh Head ...	29.83	53	S	5	0	29.90	+ .01	52	51	0	S	6	0	6	56	50	0.07		
Stornoway ...	29.66	55	SSH	8	+	29.72	- .01	52	51	- 2	SSH	9	0	8	56	50	-		
Thurso ...	29.82	54	S	3	0	29.86	- .01	54	52	+ 1	S	4	0	2	58	52	-		
Wick ...	29.83	55	S	4	0	29.88	+ .03	55	51	0	SSH	4	0	3	60	53	-		
Nairn ...	29.84	56	SH	2	0	29.83	- .06	56	54	0	SH	8	0	3	58	55	-		
Aberdeen ...	29.97	54	SSH	5	0	30.00	.00	51	48	- 2	SH	6	0	3	58	51	-		
Leith ...	30.00	56	SH	3	0	30.02	.00	49	47	- 7	SSH	1	0	*	59	46	-		
Shields ...	30.13	55	SH	4	0	30.13	- .05	49	47	+ 1	SH	4	0	2	56	48	-		
Scarborough ...	30.18	53	S	2	0	30.20	- .02	49	47	0	S	3	0	2	57	47	-		
York ...	30.19	53	SH	1	0	30.19	- .06	44	43	0	SSE	1	0	*	59	42	-		
Nottingham ...	30.23	52	S	2	0	30.19	- .11	47	46	+ 2	SE	1	0	*	61	41	-		
Ardrossan ...	29.97	57	S	4	0	29.96	- .05	55	52	- 2	SSE	5	0	5	59	54	-		
Greencastle ...	29.84	56	SE	5	0	29.79	- .12	56	53	0	SE	6	0	*	58	54	-		
Donaghadee ...	29.95	54	SSH	6	0	29.94	- .10	54	53	0	S	6	0	5	57	52	-		
Kingstown ...	30.00	57	S	5	0	29.94	- .14	56	52	+ 1	S	5	0	4	58	54	-		
Holyhead ...	30.07	56	SSH	6	0	30.00	- .13	54	50	- 1	SSE	4	0	3	59	53	-		
Liverpool (Bidston) ...	30.13	53	SSE	2	0	30.06	- .15	48	47	+ 2	SE	3	0	2	59	46	-		
Valencia ...	29.76	58	SSE	8	0	29.67	- .23	58	57	+ 1	SSE	8	0	7	59	55	0.10		
Roche's Point ...	29.94	56	S	7	0	29.82	- .24	57	55	0	SSE	7	0	5	60	55	0.04		
Pembroke ...	30.10	57	S	6	0	29.96	- .21	55	52	- 1	SE	6	0	5	59	54	-		
Portishead ...	30.19	51	NNH	3	0	30.09	- .17	48	47	- 2	ENE	3	0	2	61	43	-		
Seilly ...	30.07	57	SSE	6	0	29.92	- .27	55	54	- 2	SSE	7	0	6	59	55	-		
Plymouth ...	30.18	55	S	4	0	30.04	- .22	54	51	- 1	SE	4	0	*	60	48	-		
Hurst Castle ...	30.24	57	SSE	3	0	30.13	- .18	56	52	- 1	SE	3	0	3	60	51	-		
Dover ...	30.31	56	NNH	2	0	30.22	- .11	53	49	+ 8	E	3	0	3	58	44	-		
London ...	30.32	56	SSH	1	0	30.22	- .13	46	45	+ 6	E	1	0	*	63	40	-		
Oxford ...	30.26	52	S	1	0	30.17	- .15	48	46	+ 3	S	1	0	*	60	42	-		
Cambridge ...	30.28	48	S	1	0	30.21	- .14	46	46	+ 6	SE	1	0	*	62	39	-		
Yarmouth ...	30.27	55	SSH	2	0	30.24	- .10	56	53	+ 8	SE	4	0	3	60	46	-		
The Helder ...	*	*	*	*	*	30.32	- .02	50	49	+ 4	SE	1	0	*	*	*	-		
Cape Gris Nez ...	30.32	55	SSE	1	0	30.23	- .15	48	46	- 4	ESE	2	0	1	64	45	-		
Jersey ...	30.25	57	SE	3	0	30.10	- .26	50	50	- 5	E	3	0	3	58	50	-		
Brest ...	30.15	?	SSE	5	0	29.97	- .27	52	50	- 2	SSE	3	0	5	61	48	-		
L'Orient ...	30.19	55	SE	3	0	30.08	- .29	55	54	+ 5	E	3	0	3	61	45	-		
Rochefort ...	30.19	61	E	4	0	30.03	- .28	46	43	0	E	4	0	3	73	41	-		
Biarritz ...	30.10	63	ENE	2	0	29.93	- .29	50	43	- 5	ESE	3	0	3	68	41	-		
Corunna ...	*	*	*	*	*	30.25	- .15	42	41	- 1	E	2	0	*	56	38	-		
Brussels ...	*	*	*	*	*	30.16	- .20	50	*	+ 8	E	1	0	*	*	*	*		
Charleville ...	*	*	*	*	*	29.97	- .27	55	*	0	N	2	0	*	*	*	*		
Paris ...	*	*	*	*	*	29.90	- .11	57	52	0	X	0	0	3	68	52	0.08		
Lyons ...	*	*	*	*	*	29.90	- .11	57	52	0	X	0	0	3	68	52	0.08		
Toulon ...	29.95	64	E	5	+	29.90	- .11	57	52	0	X	0	0	3	68	52	0.08		
YESTERDAY'S 2 P.M. REPORTS AND REMARKS.																			
	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.						
Skudesnaes ...	29.95	51	48	NN	6	+	4	Valencia ...											
Thurso ...								Seilly ...											
Scarborough ...								London ...											
Greencastle ...							*	Rochefort ...	30.24	68	59	NE	0	60					
Holyhead ...																			
Mullaghmore ...	29.78	58	-5	9	0	29.74	- .10	58	56	+ 3	SSE	7	0	5	60	55	-		

## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

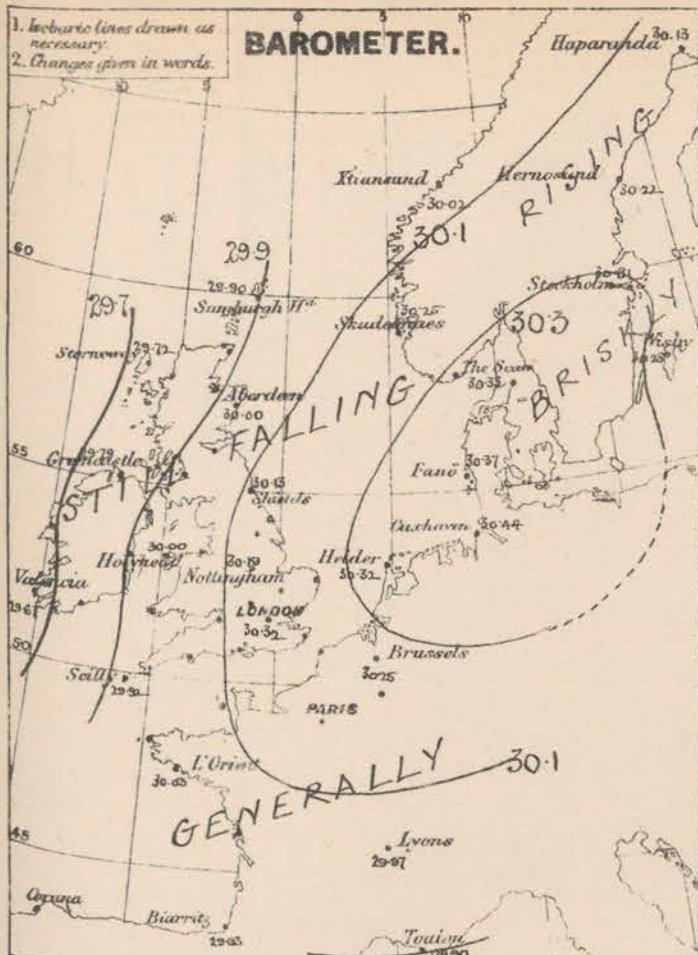
N.B.—The wind is said to "veer" when its direction changes with the sea, and to "back" when it shifts in the opposite direction.



# WEATHER CHARTS for 8 a.m. on Monday 14 Oct<sup>r</sup> 1878.

1. Isobars lines drawn as necessary.
2. Changes given in words.

## BAROMETER.





# DAILY WEATHER REPORT OCT. 15<sup>TH</sup> 1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 320 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer. Reading at 320 F. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.			
			Direc.	Force. (0 to 12).			Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.				
Haparanda ...	30.02	45	S	2	0	30.09	-0.04	46	45	+4	SW	4	0	*	46	39	-		
Hernösand ...	30.21	42	N	0	0	30.31	+0.09	37	37	-1	N	0	0	*	*	*	-		
Stockholm ...	30.37	45	SSW	4	2	30.38	+0.07	45	44	+3	Z	0	7	*	*	*	-		
Wisby ...	30.34	42	N	4	0	30.36	+0.08	44	44	-4	SSE	4	0	*	*	*	-		
Christiansund ...	30.11	50	ESE	1	0	30.22	+0.20	48	43	0	SE	2	0	5	50	39	-		
Skudesnaes ...	30.32	55	SSE	6	0	30.34	+0.09	53	49	-2	ESE	4	0	2	55	?	-		
Oxö (Xtiansand) ...	30.35	52	N	2	0	30.36	+0.04	44	43	-2	N	4	0	2	55	41	-		
Skagen (The Skaw) ...	30.38	52	N	2	0	30.38	+0.05	49	48	+1	SSW	2	0	0	57	43	-		
Fanö ...	30.33	48	E	4	0	30.29	-0.08	49	49	+2	E	4	m	*	57	43	-		
Cuxhaven ...	30.34	56	E	4	0	30.22	-0.22	57	50	+6	E	3	0	*	?	43	-		
Sumburgh Head ...	29.97	52	S	6	0c	30.06	+0.16	52	51	0	S	7	0c	6	54	50	-		
Stornoway ...	29.76	56	S	7	0c	29.89	+0.17	54	54	+2	S	8	c	7	57	52	-		
Thurso ...	29.94	53	S	4	0	30.00	+0.06	50	49	-4	S	4	c	2	57	49	-		
Wick ...	29.93	54	S	6	0	30.02	+0.09	52	50	-3	S	6	0c	4	56	51	-		
Nairn ...	29.92	56	SW	3	0c	30.02	+0.19	48	46	-8	N	0	0c	0	58	47	-		
Aberdeen ...	30.04	53	S	4	0	30.11	+0.11	53	51	+2	S	4	0c	3	55	51	-		
Leith ...	29.99	55	S	2	0c	30.06	+0.07	48	46	-1	SE	1	0c	*	58	44	-		
Shields ...	30.10	54	S	5	0c	30.14	+0.04	53	50	+4	SE	4	c	2	55	49	-		
Scarborough ...	30.13	52	SSE	3	0	30.10	-0.10	54	52	+5	ESE	4	c	4	57	49	-		
York ...	30.12	53	S	2	0	30.08	-0.11	52	50	+8	E	2	0	*	61	42	-		
Nottingham ...	30.12	53	SE	3	0	30.07	-0.12	50	49	+3	Z	0	0c	*	62	44	-		
Ardrossan ...	29.94	56	SSE	4	0	30.03	+0.07	49	46	-6	E	2	0c	3	58	49	-		
Greencastle ...	29.80	55	SSE	5	0	29.91	+0.12	54	51	-2	SSE	2	0	*	59	52	-		
Donaghadee ...	29.91	56	S	5	0	30.00	+0.06	53	52	-1	SE	5	0c	4	57	51	-		
Kingstown ...	29.86	57	SE	7	0	29.96	+0.10	55	53	-1	SE	4	c	4	58	54	-		
Holyhead ...	29.94	54	SSE	2	0	29.99	-0.01	49	47	-5	ESE	2	0	1	61	48	-		
Liverpool (Bidston) ...	29.99	53	ESE	3	0	30.04	-0.02	47	46	-1	ESE	1	m	1	57	44	-		
Valencia ...	29.73	58	SE	7	+	29.91	+0.18	53	51	-5	NNE	1	0	2	60	50	0.47		
Roche's Point ...	29.78	56	SSE	7	0	29.89	+0.11	57	55	0	SSE	3	0	4	59	55	-		
Pembroke ...	29.88	57	SE	6	0c	29.93	-0.03	53	51	-2	E	3	0c	3	59	52	-		
Portishead ...	29.99	53	E	4	0	29.98	-0.11	43	43	-5	ENE	2	7	3	63	40	-		
Scilly ...	29.84	56	SE	8	0	29.87	-0.05	56	54	+1	ESE	5	c	5	57	54	-		
Plymouth ...	29.92	54	E	4	0	29.91	-0.13	48	47	-6	SE	1	0	*	60	47	-		
Hurst Castle ...	29.98	56	ESE	5	0	29.94	-0.19	49	48	-7	NE	3	0c	2	61	39	-		
Dover ...	30.07	57	E	5	0	29.97	-0.25	53	50	0	E	3	0c	2	57	52	-		
London ...	30.07	55	ESE	5	0	29.98	-0.24	51	50	+5	ENE	1	0c	*	61	43	-		
Oxford ...	30.03	57	E	1	0	30.01	-0.16	44	43	-4	NE	1	0	*	60	41	-		
Cambridge ...	30.09	50	SE	1	0	30.00	-0.21	50	49	+4	ENE	1	0c	*	64	39	-		
Yarmouth ...	30.13	55	ESE	6	0	30.04	-0.20	55	53	-1	E	5	c	5	57	53	-		
The Helder ...	*	*	*	*	*	30.09	-0.23	50	48	0	ENE	2	0	*	*	*	-		
Cape Gris Nez ...	30.07	52	ENE	3	0	29.96	-0.27	50	46	+2	E	2	0	1	?	59	45	-	
Jersey ...	29.95	55	E	3	0	? 29.81	-0.28	52	50	+2	E	1	0c	1	60	47	-		
Brest ...	? 29.89	61	S	4	0	? 29.85	-0.12	50	48	-2	E	2	0	4	61	48	-		
L'Orient ...	29.76	55	SE	2	0c	29.89	-0.14	46	45	-9	SE	3	c	3	61	45	-		
Rocheport ...	29.86	61	E	4	0	29.83	-0.20	46	45	0	E	4	0c	3	73	41	-		
Biarritz ...	29.78	63	ENE	3	0	29.76	-0.17	59	54	+9	SSE	2	0	3	68	45	-		
Corunna ...	*	*	*	*	*			*	*					*	*	*	-		
Brussels ...	*	*	*	*	*	29.98	-0.27	43	43	+1	ENE	2	0	*	57	43	-		
Charleville ...	*	*	*	*	*	? 29.89	-0.27	52	50	+2	E	1	0	*	*	*	-		
Paris ...	29.97	47	Z	0	0	29.93	-0.20	48	46	+4	NE	1	0	*	*	*	-		
Lyons ...	*	*	*	*	*	29.94	-0.03	54	54	-1	NE	2	7	*	*	*	-		
Toulon ...	29.90	57	SSW	1	0	29.92	+0.02	57	54	0	E	4	c	3	64	52	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes ...							Valencia .....	29.65	59	56	SE	7	09	6
Thurso .....	29.92	55	53	S	4	om	Scilly .....	29.86	57	52	SE	8	2	6
Scarborough...	30.15	56	52	SSE	5	0	London .....	30.13	60	57	ESE	4	0	*
Greencastle ...	29.81	57	53	SE	4	0	Rocheport ...	29.89	?	?	E	?	?	?
Holyhead .....	29.97	60	54	SSE	3	0c								

The barometer is still falling in the south and south-west, but has risen slightly in the north. The wind has backed to SE. on our SW. coast, and has increased to a fresh gale at Scilly.

Orders to keep up to South Cove have been sent to our south-west coasts.

Mullaghmore	29.74	55	SE	6	0	29.87	+0.13	54	53	-4	SE	5	09	4	59	53	-
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## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

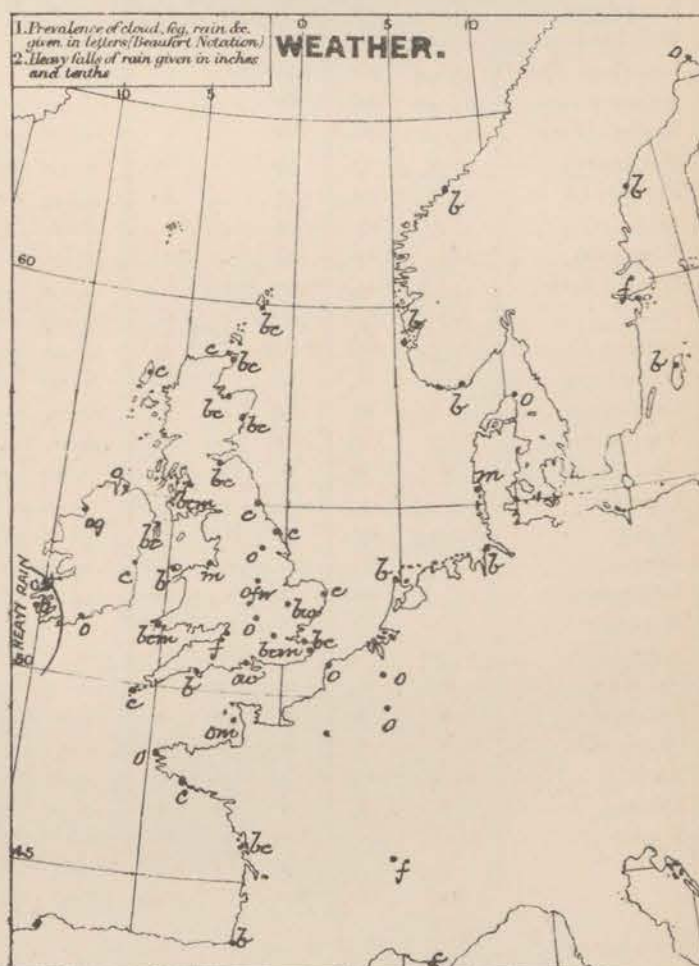
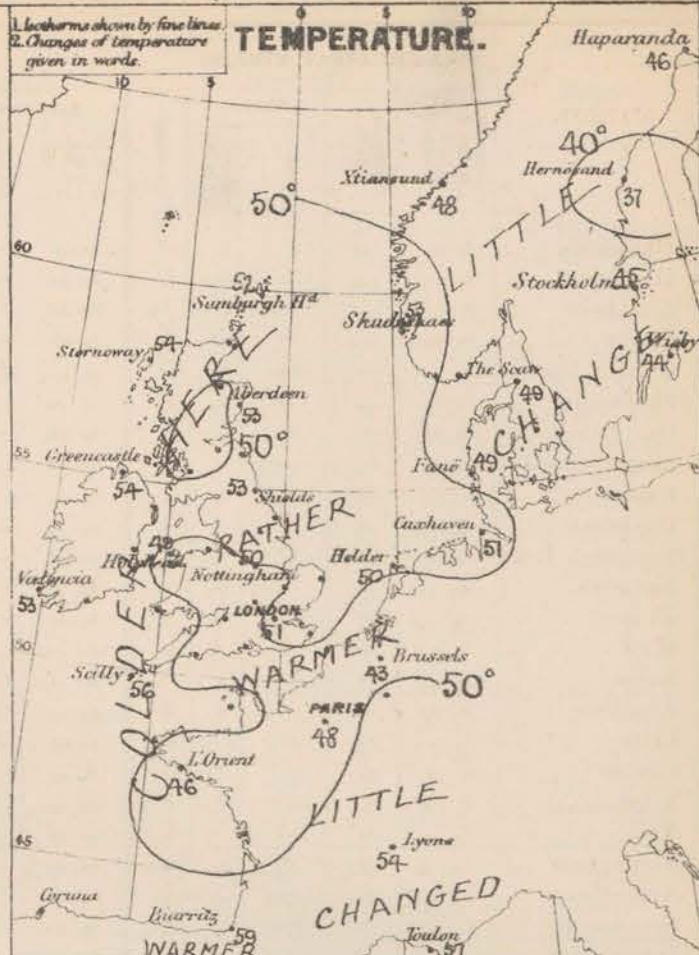
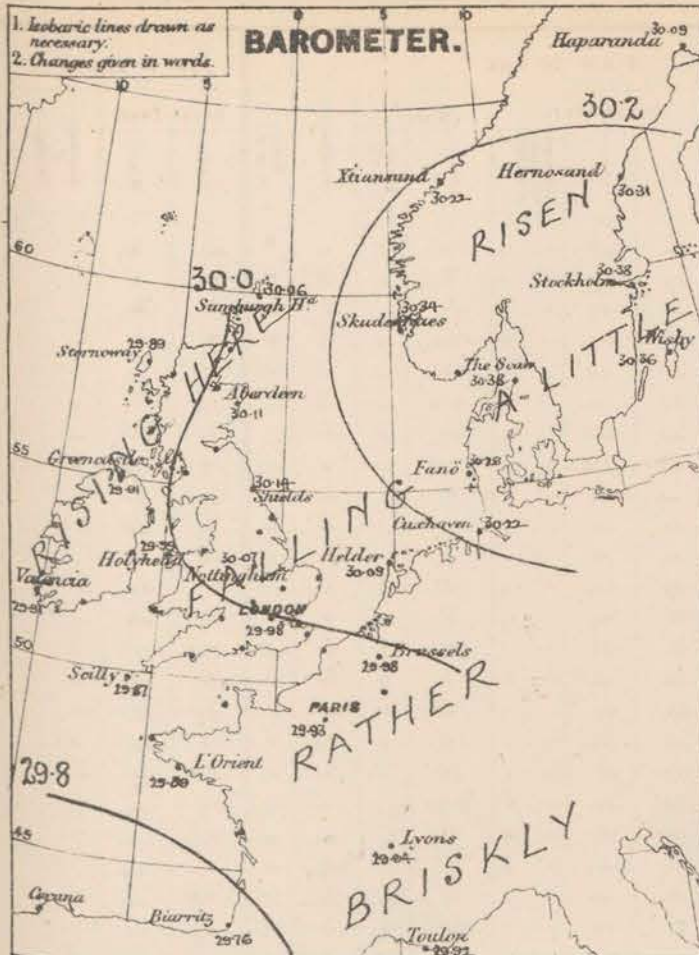
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.



# WEATHER CHARTS for 8 a.m. on Tuesday 15 Oct<sup>r</sup> 1878.



**REMARKS.** Weather is very much more cloudy than it has been of late, a clear sky being reported from only our NE<sup>st</sup> and the Scandinavian stations this morning; fog and haze are reported in several parts of England. Nearly half an inch of rain fell at Valentia yesterday, but this is the only station at which any fall is recorded. Temperature has again risen a few degrees in the SE, and is very uniform between 40° and 54° over our Islands and the North Sea. Wind has changed very materially. The S. gales still hold at our most N<sup>st</sup> stations, but in the W. and SW. they have died down to moderate breezes from SE. Over England the wind has backed to the E<sup>st</sup> on all but the NE. coast, it blows a slight gale from that quarter at Yarmouth during the night. In France E<sup>st</sup> breezes still hold. Sea remains high in the far N. and is rather rough both at Scilly and Yarmouth, elsewhere it is moderate or slight.

**Barometrical Indications.** During the past 24 hours the barometer has fallen decidedly over France, and the SE. of our Islands, but has risen briskly in the W. and N. Graduals for E<sup>st</sup> winds are being formed over the S. stations, while those for S<sup>st</sup> winds are gradually disappearing.

**Warnings.** Signals are lowered in the SW. but are still flying in the SE.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 2/- per quarter, book post 5/- per quarter.

Meteorological Office.  
116, Victoria Street, Westminster, S.W.  
R. H. SCOTT.  
Secretary.



# DAILY WEATHER REPORT

OCT 16<sup>TH</sup>

1878.

STATIONS.	↑ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Direc.	Force. (0 to 12).		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.			
Haparanda ...	30.29	40	X	0	0	30.28	+ .19	43	42	- 3	X	0	0	*	34	34	-		
Hernösand ...	30.40	39	X	0	0	30.38	+ .07	41	41	+ 4	S	2	0	*	*	*	-		
Stockholm ...	30.41	48	SSE	2	0	30.40	+ .02	46	44	+ 1	SSE	2	0	*	*	*	-		
Wisby ...	30.31	46	E	4	0	30.27	- .09	48	48	+ 4	E	6	0	*	*	*	-		
Christiansund ...	30.27	47	Z	0	0	30.23	+ .01	45	44	- 3	SH	1	0	3	35	37	-		
Skudesnaes ...	29.94	53	S	4	0	30.29	- .05	50	47	- 3	SSE	6	0	4	35	?	-		
Oxö (Stiansand) ...	30.35	50	E	4	0	30.30	- .06	51	48	+ 7	NE	4	0	2	?	?	-		
Skagen (The Seaw) ...	30.36	48	ENE	3	0	30.31	- .07	48	47	- 1	E	4	0	4	34	43	-		
Fanö ...	30.24	47	ENE	4	0	30.20	- .09	46	45	- 3	NE	3	0	*	35	43	-		
Cuxhaven ...	30.17	55	E	0	0	30.17	- .05	49	48	- 2	E	2	0	*	34	46	-		
Sumburgh Head ...	30.13	51	S	5	0	30.07	+ .01	52	50	0	SSE	4	0	4	36	37	-		
Stornoway ...	30.00	54	SSE	3	0	29.87	- .02	54	54	0	S	6	0	5	35	32	-		
Thurso ...	30.07	51	S	3	0	30.00	00	48	48	- 2	SSE	2	0	2	38	47	-		
Wick ...	30.08	54	S	4	0	30.00	- .02	52	50	0	S	4	0	4	38	30	-		
Nairn ...	30.07	54	X	0	0	30.00	- .02	49	47	+ 1	X	0	0	0	39	46	-		
Aberdeen ...	30.14	54	S	3	0	30.07	- .04	53	51	0	S	3	0	2	37	37	-		
Leith ...	30.08	54	S	3	0	30.03	- .03	48	48	0	SSE	1	0	*	39	43	-		
Shields ...	30.12	53	SE	2	0	30.10	- .04	52	52	- 1	SSE	2	0	2	36	37	0.01		
Scarborough ...	30.09	54	ESE	3	0	30.09	- .01	53	53	- 1	SE	3	0	4	35	32	0.01		
York ...	30.08	54	E	2	0	30.09	+ .01	52	52	0	ESE	1	0	*	37	30	0.01		
Nottingham ...	30.07	54	NE	1	0	30.11	+ .04	52	52	+ 2	X	0	0	*	36	49	0.01		
Ardrossan ...	30.06	53	NE	1	0	30.03	00	51	49	+ 2	E	2	0	1	37	49	-		
Greencastle ...	30.00	54	SH	2	0	29.97	+ .06	50	49	- 4	S	2	0	*	38	43	-		
Donaghadee ...	30.06	55	SSE	3	0	30.04	+ .04	53	52	0	SSE	2	0	1	37	32	-		
Kingstown ...	30.03	56	SSE	1	0	30.05	+ .09	53	51	- 2	X	0	0	0	37	32	-		
Holyhead ...	30.02	55	Z	0	0	30.06	+ .07	53	52	+ 4	SH	1	0	0	39	48	-		
Liverpool (Bidston) ...	30.04	54	E	1	0	30.06	+ .02	51	50	+ 4	ESE	1	0	1	35	47	-		
Valencia ...	30.00	53	NNE	1	0	30.00	+ .09	55	53	+ 2	SE	4	0	5	36	44	0.07		
Roche's Point... ?	30.01	58	SSE	4	0	30.05	+ .16	52	51	- 5	N	1	0	3	37	48	-		
Pembroke ...	30.00	55	E	1	0	30.06	+ .13	54	52	+ 1	E	1	0	2	38	32	-		
Portishead ...	29.99	50	E	3	0	30.05	+ .07	52	51	+ 9	E	1	0	1	34	41	-		
Scilly ...	29.96	55	Z	0	0	30.04	+ .17	56	55	0	X	0	0	4	60	34	0.01		
Plymouth ...	29.96	54	E	2	0	30.04	+ .13	53	51	+ 5	X	0	0	*	38	48	-		
Hurst Castle ...	29.95	56	NE	2	0	30.03	+ .09	54	53	+ 5	NE	2	0	2	37	47	-		
Dover ...	29.99	56	ENE	3	0	30.06	+ .09	56	54	+ 3	E	3	0	2	38	53	-		
London ...	30.02	56	ENE	2	0	30.06	+ .08	54	53	+ 3	E	1	0	*	37	30	-		
Oxford ...	30.02	53	NE	1	0	30.08	+ .07	52	51	+ 8	X	0	0	*	35	43	-		
Cambridge ...	30.04	54	E	1	0	30.08	+ .08	53	52	+ 3	E	1	0	*	60	49	-		
Yarmouth ...	30.03	54	E	5	0	30.09	+ .05	55	54	0	ESE	3	0	3	35	53	-		
The Helder ...	*	*	*	*	*	30.12	+ .03	49	48	- 1	E	1	0	*	*	*	-		
Cape Gris Nez ...	29.97	55	S	3	0	30.06	+ .10	52	52	+ 2	E	1	0	1	37	48	-		
Jersey ...	29.96	54	ENE	2	0	30.06	+ .24	55	51	+ 3	NE	1	0	1	36	37	-		
Brest ...	29.93	61	ENE	2	0	30.05	+ .20	48	45	- 2	ENE	2	0	3	63	45	-		
L'Orient ...	29.94	54	ENE	3	0	30.03	+ .14	50	46	+ 4	ENE	3	0	3	61	48	-		
Rochefort ...	29.85	63	E	2	0	29.98	+ .15	52	50	+ 6	SE	2	0	3	70	41	-		
Biarritz ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Corunna ...	*	*	*	*	*	30.08	+ .10	50	49	+ 7	E	1	0	*	37	48	-		
Brussels ...	*	*	*	*	*	30.07	+ .15	46	*	- 6	NE	1	0	*	*	*	*		
Charleville ...	*	*	*	*	*	30.13	+ .19	55	*	+ 1	E	2	0	*	*	*	*		
Paris ...	*	*	*	*	*	30.11	+ .19	61	57	+ 4	E	4	0	4	66	55	-		
Lyons ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Toulon ...	29.97	59	E	5	0	30.11	+ .19	61	57	+ 4	E	4	0	4	66	55	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes ...	30.32	55	51	S	4	0	3	Valencia .....	29.96	53	52	NE	2	3
Thurso .....	29.94	57	54	S	4	0	3	Scilly .....	29.91	58	55	ESE	5	4
Scarborough ...	30.09	55	53	SE	3	0	4	London .....	29.98	57	54	ENE	2	*
Greencastle ...	29.97	56	53	S	2	0	*	Rochefort ...	29.83	68	61	E	3	3
Holyhead .....	30.01	57	52	E	2	0	1							

Pressure is changing irregularly. In the N. it has begun to decrease, while the rise noticed at Valencia this morning, and the fall on our SE. coast have both ceased.

Mullaghmore	29.99	55	SSE	1	0	0	29.97	+ .10	57	50	- 3	SSE	2	0	3	56	45	0.16
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## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

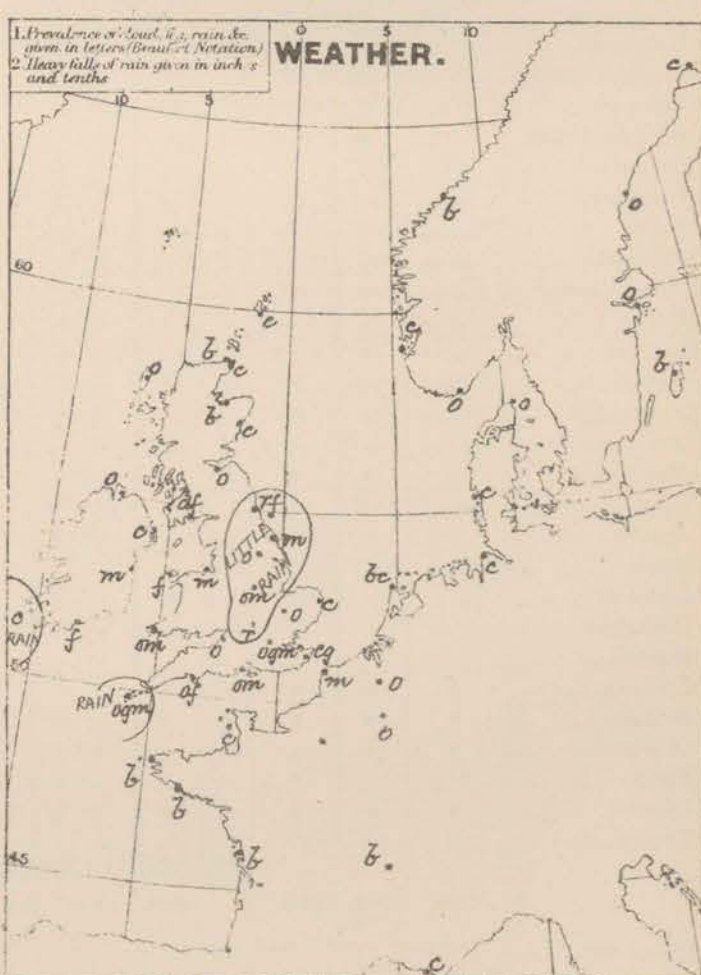
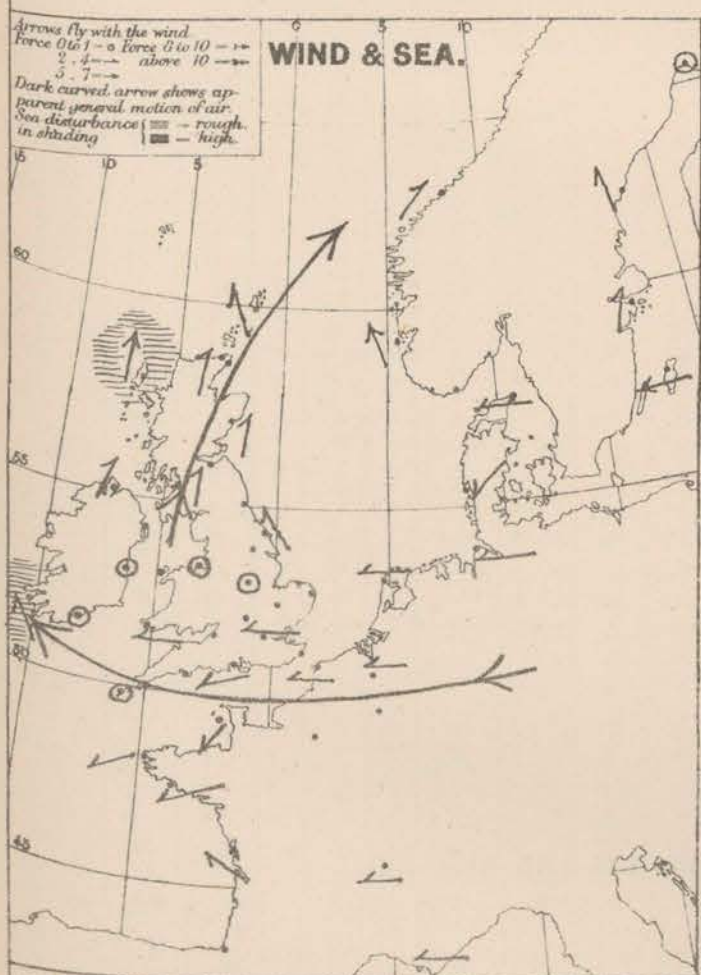
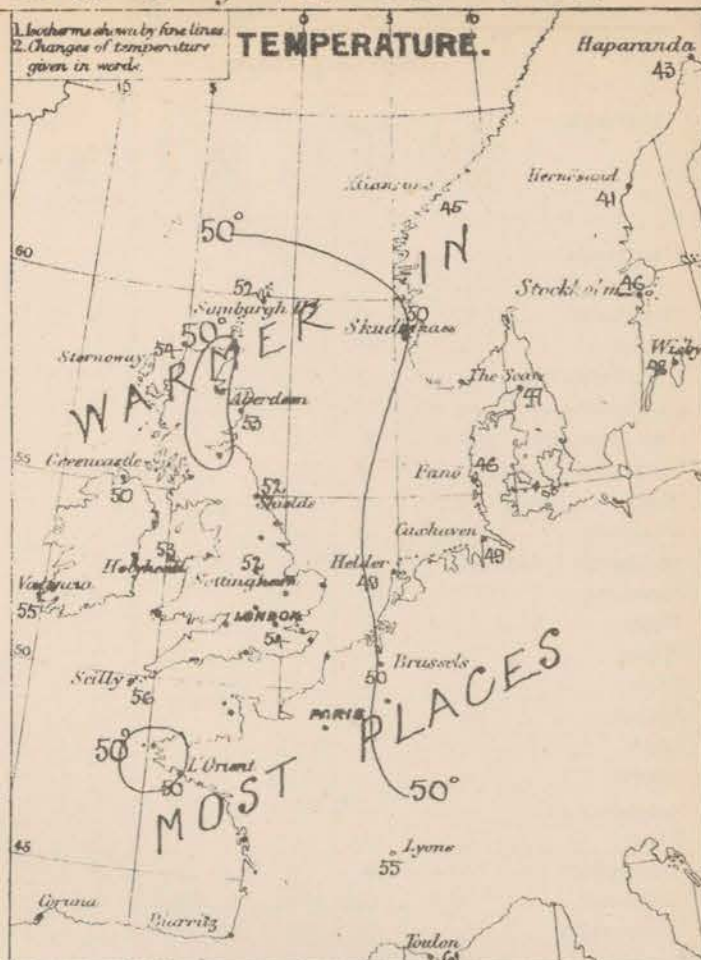
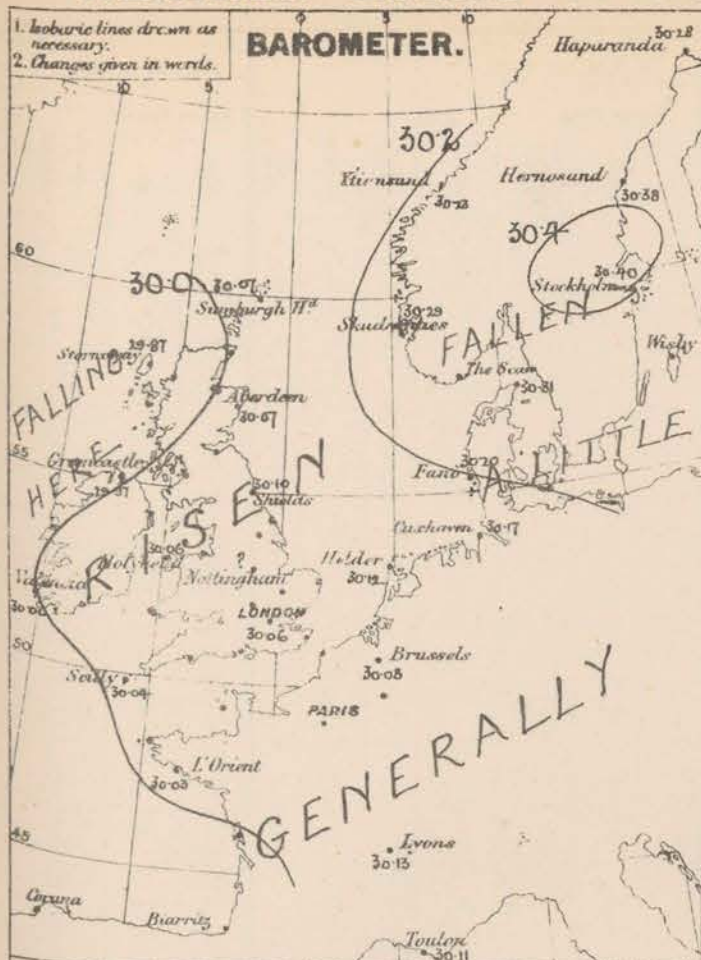
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.



# WEATHER CHARTS for 8 a.m. on Wednesday 16<sup>th</sup> OCT. 1878.



**REMARKS.** Weather this morning is dull generally over our islands, with haze or fog at most of the English and Irish stations. In the S. parts of France, however, the weather is clear and bright. Slight rain has fallen on our NE. coast, as well as at Valencia and Sicily. Temperature is higher over most parts of the British Isles and France than it was at 8 a.m. yesterday. The daily range is, however, small, the maximum values having been below 60° at all but one or two of our W. stations yesterday. Wind is again increasing from the S. at our most N. stations and at Valencia, but is light from the E. over the whole of England and France, and calm at the mouth of the Channel. Sea is rather rough in the northern W. and NW, moderate to smooth elsewhere.

Barometrical Indications. In the course of the past night the barometer has begun to fall briskly on our extreme NW. coast, and in a smaller degree at Valencia, while it has been rising on the S. and SE. Readings are at present highest (30.4 in.) in Sweden, but are rather high in the SE. of France also. A depression seems to be approaching the NW. of Scotland from the Atlantic.



# DAILY WEATHER REPORT

OCT 17<sup>th</sup> 1878.

	† YESTERDAY EVENING.					8 A.M. TO DAY.										PART 24 HOURS.		
STATIONS.	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	30.13	44	SH	6	o	29.97	-.31	41	40	-2	SH	4	o	*	46	37	-	
Hernösand ...	30.21	39	S	2	o	30.12	-.26	40	39	-1	SSH	4	o	*	*	*	-	
Stockholm ...	30.29	48	NE	2	o	30.16	-.24	47	45	+1	ENE	2	f	*	*	*	-	
Wisby ...	30.19	51	ESE	4	o	30.13	-.14	52	52	+4	SE	4	c	*	*	*	-	
Christiansund ...	29.89	45	Z	o	o	29.89	-.34	46	42	+1	SSE	3	c	4	62	37	-	
Skudesnaes ...	30.16	52	SE	6	o	30.07	-.22	52	49	+2	SSE	8	o	4	54	50	-	
Oxö (Xlensand) ...	30.20	49	ENE	5	o	30.11	-.19	49	48	-2	NE	4	c	3	50	46	0.20	
Skagen (The Seaw) ...	30.20	51	ESE	2	o	30.12	-.19	57	50	+3	ESE	3	o	2	52	46	-	
Fanö ...	30.12	57	ENE	1	o	30.06	-.14	57	57	+5	Z	o	o	*	54	45	0.04	
Cuxhaven ...	30.14	53	SSE	1	o	30.08	-.09	52	52	+3	S	1	f	*	?	46	0.02	
Sumburgh Head ...	29.89	52	SSE	5	o	29.73	-.34	53	52	+1	S	5	m	5	54	50	-	
Stornoway ...	29.74	55	SSH	7	o	29.60	-.27	54	54	o	SSH	8	od	7	55	52	-	
Thurso ...	29.87	52	SSE	3	o	29.72	-.28	54	52	+6	SSE	2	o	3	58	48	0.01	
Wick ...	29.83	54	S	4	o	29.72	-.28	55	53	+3	SSH	3	o	3	56	51	-	
Nairn ...	29.89	53	Z	o	o	29.78	-.22	54	52	+5	SSH	1	o	1	56	48	-	
Aberdeen ...	29.96	53	S	3	o	29.84	-.23	54	52	+1	S	3	c	2	55	52	-	
Leith ...	29.77	54	SH	1	o	29.86	-.17	55	52	+7	SH	1	o	*	56	47	-	
Shields ...	30.04	55	SSE	2	o	29.98	-.12	52	50	o	SH	2	of	2	56	52	0.02	
Scarborough ...	30.06	53	SSE	2	m	29.99	-.10	52	52	-1	S	1	of	2	54	52	0.03	
York ...	30.07	53	S	1	o	30.00	-.09	48	?	-4	S	1	f	*	56	?	0.07	
Nottingham ...	30.08	53	Z	o	o	30.03	-.08	49	49	-3	Z	o	f	*	55	48	0.08	
Ardrossan ...	29.95	56	SE	3	o	29.88	-.15	56	54	+5	SSH	2	o	3	58	57	-	
Greencastle ...	29.89	55	S	2	r	29.82	-.15	54	52	+4	S	2	o	*	59	?	-	
Donaghadee ...	29.96	55	N	2	c	29.90	-.14	54	52	+1	N	2	c	1	58	52	-	
Kingstown ...	30.00	57	S	1	o	29.93	-.12	55	53	+2	S	4	c	3	59	52	-	
Holyhead ...	30.02	55	Z	o	c	29.96	-.10	55	54	+2	S	2	c	1	58	53	-	
Liverpool (Bidston) ...	30.03	53	SE	1	o	29.98	-.08	45	44	-6	SE	2	f	1	55	43	-	
Valencia ...	29.95	54	S	3	o	29.84	-.16	57	55	+2	SSE	5	o	5	60	49	0.01	
Roche's Point... ..	30.02	56	SSH	3	c	29.92	-.13	56	53	+4	SH	4	o	3	60	52	0.02	
Pembroke ...	30.04	58	S	1	c	29.96	-.10	52	51	-2	NE	1	of	2	60	44	0.01	
Portishead ...	30.05	55	E	1	o	29.99	-.06	46	46	-6	Z	o	f	1	57	44	-	
Scilly ...	30.06	55	Z	o	o	29.95	-.09	55	54	-1	E	2	o	3	61	52	0.01	
Plymouth ...	30.05	57	Z	o	o	29.97	-.07	47	46	-6	Z	o	bm	*	61	45	-	
Hurst Castle ...	30.04	58	SE	1	o	29.99	-.04	49	49	-5	E	1	fur	1	60	45	-	
Dover ...	30.08	57	SE	1	o	30.04	-.02	55	54	-1	SH	1	g	1	58	54	-	
London ...	30.08	55	SE	1	og	30.03	-.03	50	50	-4	Z	o	ogf	*	57	49	-	
Oxford ...	30.08	53	Z	o	o	30.01	-.07	48	47	-4	NE	1	f	*	55	46	0.01	
Cambridge ...	30.08	54	E	1	o	30.01	-.07	52	52	-1	S	1	f	*	57	50	-	
Yarmouth ...	30.09	54	ESE	2	o	30.02	-.07	53	53	-2	SSE	2	od	2	56	51	0.04	
The Helder ...	*	*	*	*	*	30.06	-.06	48	47	-1	ESE	1	f	*	*	*	-	
Cape Gris Nez ...	30.08	55	E	1	m	30.03	-.03	52	50	o	SE	1	m	o	59	48	-	
Jersey ...	30.07	52	Z	o	o	29.99	-.07	56	55	+1	NE	1	bm	1	61	57	-	
Brest ...	? 30.04	63	NNE	2	o	? 29.92	-.13	52	50	+4	E	2	o	3	63	45	-	
L'Orient ...	30.04	57	NNE	1	o	29.97	-.06	52	52	+2	ENE	3	o	3	64	48	-	
Rochefort ...	30.04	63	ESE	3	o	29.97	-.04	55	54	+3	E	3	o	3	?	43	-	
Biarritz ...	29.94	64	ENE	2	o	29.87	-.05	61	57	o	ENE	3	c	3	75	55	-	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Brussels ...	*	*	*	*	*	30.05	-.03	49	49	-1	E	1	f	*	54	48	-	
Charleville ...	*	*	*	*	*	? 30.00	-.04	46	*	o	NE	1	o	*	*	*	*	
Paris ...	30.10	49	Z	o	f	30.06	-.01	45	?	+3	ESE	3	f	*	*	*	-	
Lyons ...	*	*	*	*	*	30.05	-.08	59	*	+4	S	2	o	*	*	*	*	
Toulon ...	30.11	63	SH	1	o	30.08	-.03	59	57	-2	E	5	c	4	66	57	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.23	53	48	ESE	4	o	4	Valencia .....	29.98	57	54	SH	3	c	4
Thurso .....	29.90	55	53	SSE	3	o	2	Scilly .....	30.05	61	58	Z	o	o	4
Scarborough ...	30.06	54	54	SSE	2	m	3	London .....	30.08	57	55	Z	o	omf	*
Greencastle ...	29.93	58	54	S	2	o	*	Rochefort ...	30.10	73	68	SE	2	o	3
Holyhead .....	30.04	57	55	SSH	2	o	1								

The barometer has continued to fall in the north and to rise slowly in the south-east, and the wind at Stornoway has risen to a moderate gale from SSH, with dull weather.

Bullaghmore	29.90	56	SSH	5	o	29.80	-.17	55	54	+4	SSH	5	cg	4	57	50	-
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## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

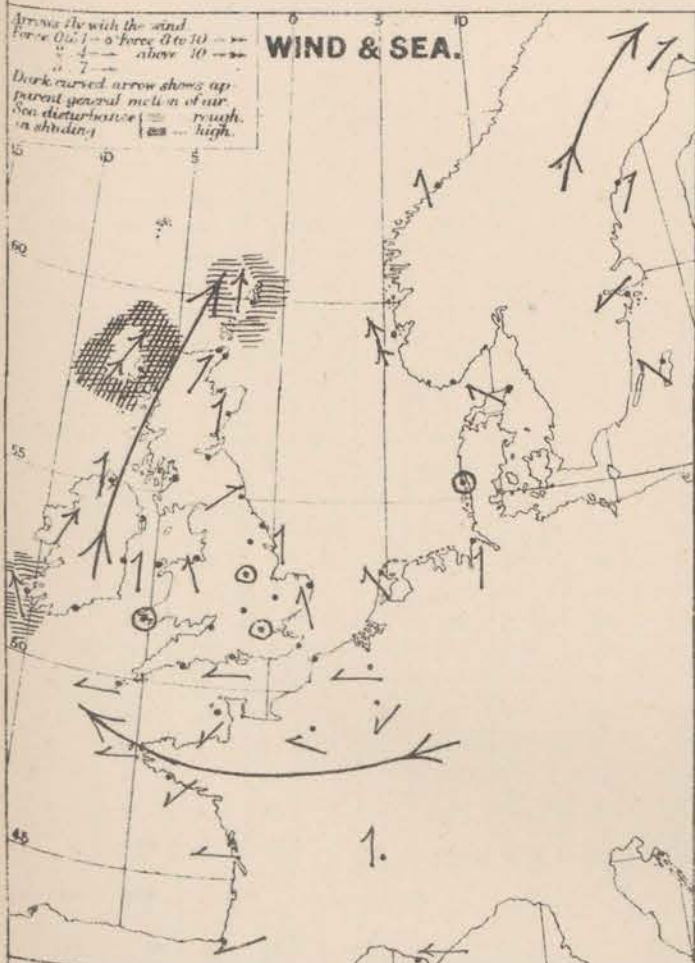
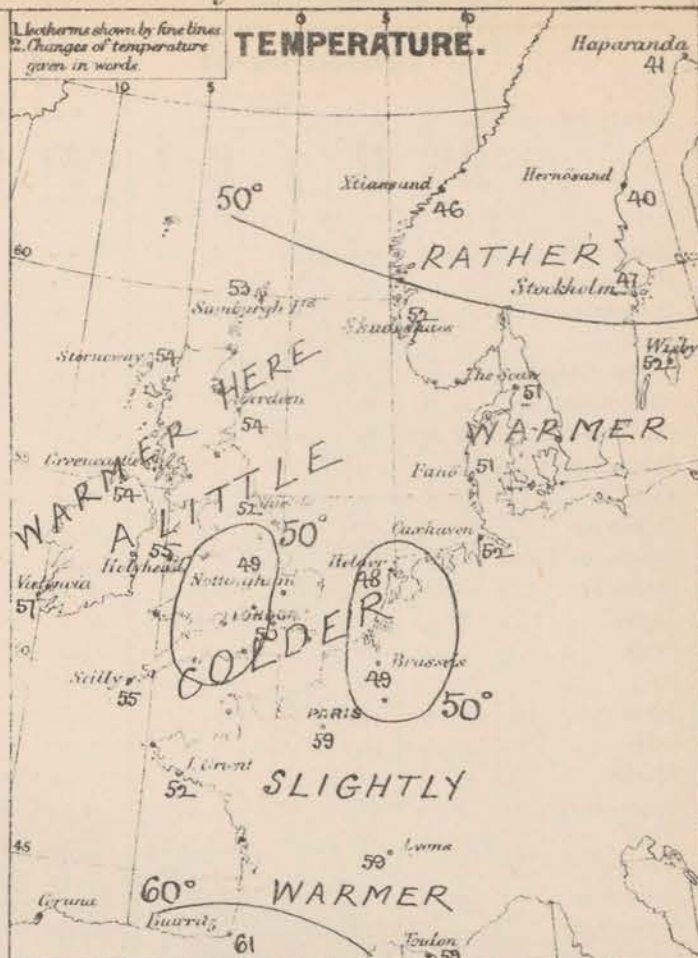
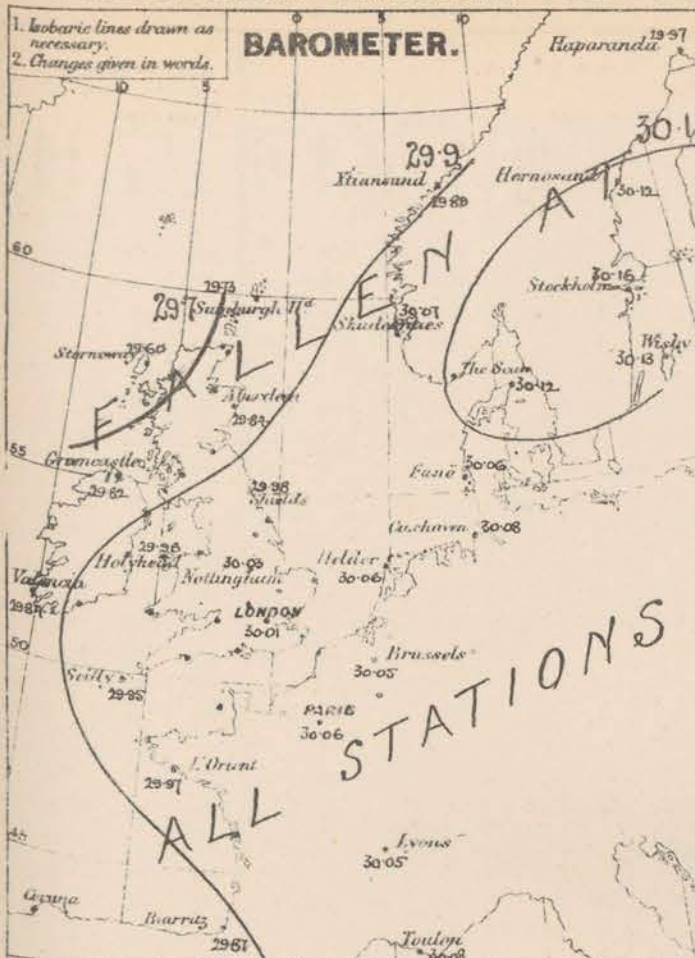
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.



# WEATHER CHARTS for 8 a.m. on Thursday 17 Oct<sup>r</sup> 1878.



**REMARKS.** Weather remains clear at most of the French stations, but is very foggy and dull over England, except in the W. and N., and rainy at Stornoway. Some rain again fell on our NE and SW coasts yesterday, and slight showers in a few other localities. Temperature has fallen a few degrees over England, but risen elsewhere; and the Scotch stations are as much as 9° warmer than Liverpool. The daily range is still small. The maximum readings were again below 60° in nearly all parts of England yesterday, but 61° was recorded at Rochefort and 75° at Biarritz. Wind is light from E. in France, moderate from S. in Ireland (but freshening from SSE at Valentia) light from SW. over Scotland and calm over England. At Stornoway, however, there is a fresh gale from SW, and at Shetland from SSE. Sea is high at Stornoway, rough off the W. of Ireland, moderate to smooth elsewhere.

**Barometrical indications.** The barometer is now falling over the whole of W. Europe, but the change being most decided in the W. and NW gradients for S. and SW winds are gradually spreading over us from the Atlantic. At present they are steepest in the NW, and strong S. to SW winds appear likely in the W. and N.



# DAILY WEATHER REPORT

OCT 18<sup>TH</sup>

1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 320 P. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer. Reading at 8 A.M. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.			
			Dir.	Force. (0 to 12).			Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.				
Haparanda ...	29.86	43	SW	6	b	29.82	-.15	44	43	+ 3	SW	6	c	*	45	37	-		
Hernösand ...	30.03	44	S	4	b	30.01	-.11	41	40	+ 1	Z	0	bc	*	*	*	-		
Stockholm ...	30.12	50	Z	0	o	30.13	-.03	51	50	+ 4	Z	0	f	*	*	*	-		
Wisby ...	30.12	52	SE	4	o	30.12	-.01	53	52	+ 1	ESE	4	o	*	*	*	-		
Christiansund ...	29.78	49	Z	0	c	29.86	-.03	53	49	+ 7	SSE	1	o	4	54	45	-		
Skudesnaes ...	30.04	54	SSE	8	o	30.09	+ .02	54	52	+ 2	SSE	4	o	4	55	52	-		
Oxo (Xtiansand) ...	30.09	53	NE	4	o	30.12	+ .01	51	47	+ 2	ESE	2	b	2	54	48	-		
Skagen (The Sæw) ...	30.12	50	Z	0	o	30.12	.00	51	49	0	NE	2	e	0	54	46	-		
Fanö ...	30.06	49	ENE	4	f	30.06	.00	51	50	0	ENE	2	e	*	54	46	-		
Cuxhaven ...	30.05	53	ESE	1	c	30.04	-.04	50	50	- 2	E	2	f	*	52	48	-		
Sumburgh Head ...	29.75	53	SSW	3	c	29.88	+ .15	52	51	- 1	SSW	3	bc	3	56	49	-		
Stornoway ...	29.66	55	SSW	6	o	29.81	+ .21	55	54	+ 1	SSW	4	c	4	56	53	-		
Thurso ...	29.76	54	S	2	r	29.88	+ .16	49	49	- 5	SSE	1	bc	3	55	46	-		
Wick ...	29.78	54	S	2	c	29.86	+ .14	51	50	- 4	S	1	b	2	57	49	0.02		
Nairn ...	29.79	56	Z	0	bc	29.88	+ .10	50	48	- 4	Z	0	o	0	57	47	0.02		
Aberdeen ...	29.83	54	S	3	c	29.94	+ .10	49	47	- 5	SSW	1	cw	1	58	45	-		
Leith ...	29.86	57	SSW	3	o	29.91	+ .05	46	46	- 9	SE	1	bc	*	62	42	-		
Shields ...	29.94	55	Z	0	o	29.98	.00	50	49	- 2	S	1	of	2	58	46	-		
Scarborough ...	29.96	54	S	1	o	29.97	-.02	53	52	+ 1	SSE	1	m	2	57	51	-		
York ...	29.96	55	SSE	1	bc	29.96	-.04	50	50	+ 2	SE	1	f	*	59	47	-		
Nottingham ...	29.99	49	Z	0	f	29.97	-.06	50	50	+ 1	E	1	ofw	*	59	39	-		
Ardrossan ...	29.87	56	SSW	2	o	29.88	.00	49	47	- 7	E	2	bcw	2	58	49	-		
Greencastle ...	29.81	55	SSE	2	o	29.82	.00	50	49	- 4	ENE	2	o	*	61	49	-		
Donaghadee ...	29.89	54	S	3	bc	29.86	-.04	53	52	- 1	S	2	o	1	58	49	-		
Kingstown ...	29.90	56	S	1	b	29.83	-.10	55	53	0	SSE	3	bc	3	58	52	-		
Holyhead ...	29.92	53	SSE	1	b	29.85	-.11	49	48	- 4	SSE	2	bcw	1	59	48	-		
Liverpool (Bidston) ...	29.93	52	SE	2	m	29.90	-.08	47	46	+ 2	SE	3	o	1	58	45	-		
Valencia ...	29.82	56	SSE	3	c	29.66	-.18	58	56	+ 1	E	4	cw	4	59	51	-		
Roche's Point ...	29.88	58	S	4	c	29.75	-.17	57	55	+ 1	E	4	cm	4	60	53	-		
Pembroke ...	29.89	56	SE	2	b	29.80	-.16	53	51	+ 1	ESE	5	om	3	59	50	-		
Portishead ...	29.92	51	ENE	3	f	29.86	-.13	50	50	+ 4	ENE	4	o	3	58	44	-		
Scilly ...	29.84	58	E	5	c	29.70	-.25	58	57	+ 3	E	6	ow	6	60	55	0.01		
Plymouth ...	29.85	57	SE	2	b	29.75	-.22	55	53	+ 8	NE	5	o	*	64	46	-		
Hurst Castle ...	29.92	58	ESE	3	b	29.82	-.17	55	53	+ 6	E	5	m	4	61	46	-		
Dover ...	29.97	57	ESE	1	c	29.89	-.15	53	50	- 2	E	5	cgw	3	59	52	-		
London ...	29.96	57	SE	1	of	29.89	-.14	52	49	+ 2	E	2	o	*	58	48	-		
Oxford ...	29.95	51	Z	0	f	29.89	-.12	49	48	+ 1	NE	1	o	*	55	44	-		
Cambridge ...	29.97	55	SSW	1	o	29.93	-.08	48	47	- 4	ENE	1	o	*	59	42	-		
Yarmouth ...	29.99	55	SSE	2	o	29.96	-.06	54	52	+ 1	ESE	4	bc	4	56	52	-		
The Helder ...	*	*	*	*	*	29.99	-.07	51	50	+ 3	ENE	1	c	*	*	*	-		
Cape Gris Nez ...	29.98	54	E	1	mv	29.88	-.15	46	46	- 6	E	3	m	2	59	45	-		
Jersey ...	29.89	58	ENE	1	b	29.73	-.26	54	52	- 2	E	4	om	4	66	53	-		
Brest ...	29.84	64	E	1	o	29.70	-.22	57	55	+ 5	ESE	2	o	3	72	50	-		
L'Orient ...	29.84	61	SE	2	bc	29.67	-.30	55	54	+ 3	E	3	o	3	70	50	-		
Rochefort ...	29.82	64	Z	0	m	29.65	-.32	61	59	+ 6	SE	2	o	3	73	46	-		
Biarritz ...	29.80	64	NNW	1	o	29.70	-.17	59	54	- 2	S	3	o	3	68	54	0.47		
Corunna ...	*	*	*	*	*	29.93	-.12	47	45	- 2	E	4	o	*	53	45	-		
Brussels ...	*	*	*	*	*	29.84	-.16	49	*	+ 3	ENE	1	b	*	*	*	-		
Charleville ...	*	*	*	*	*	29.79	-.27	46	46	+ 1	NE	1	b	*	*	*	-		
Paris ...	29.95	49	Z	0	b	29.79	-.26	62	*	+ 3	N	2	c	*	*	*	-		
Lyons ...	*	*	*	*	*	29.79	-.26	62	*	+ 3	N	2	c	*	*	*	-		
Toulon ...	30.00	61	E	5	bc	29.85	-.23	64	61	+ 5	E	7	t	7	64	59	-		
YESTERDAY'S 2 P.M. REPORTS AND REMARKS.																			
	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.						
Skudesnaes ...	30.03	55	51	SSE	8	o	4	Valencia .....	29.82	58	55	SSE	4	om	4				
Thurso .....	29.74	56	54	SSE	2	o	3	Scilly .....	29.88	60	58	ESE	4	bc	3				
Scarborough ...	29.96	57	53	S	1	o	1	London .....	29.98	58	54	SE	1	cw	*				
Greencastle ...	29.81	59	56	SSE	2	o	*	Rochefort ...	29.86	72	64	Z	o	b	3				
Holyhead .....	29.94	58	56	S	2	b	1												
No important change.																			
Bullaghmore ...	29.80	58	55W	5	o	29.77	-.02	54	52	-	1	ESE	4	bc	3	61	51	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.03	55	57	SSE	8	0	4	Valencia .....	29.82	58	55	SSE	4	om	4
Thurso .....	29.74	56	54	SSE	2	0	3	Scilly .....	29.88	60	58	ESE	4	bc	3
Scarborough ...	29.96	57	53	S	1	0	1	London .....	29.98	58	54	SE	1	cw	*
Greencastle ...	29.81	59	56	SSE	2	0	*	Rochefort ...	29.86	72	64	Z	0	b	3
Holyhead .....	29.94	58	56	S	2	0	1								

No important change.

Skullaghmore	29.60	58	SSW	5	0	29.77	-.03	54	52	- 1	ESE	4	bc	3	61	51	-
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## EXPLANATION OF COLUMNS.

**WEATHER**—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

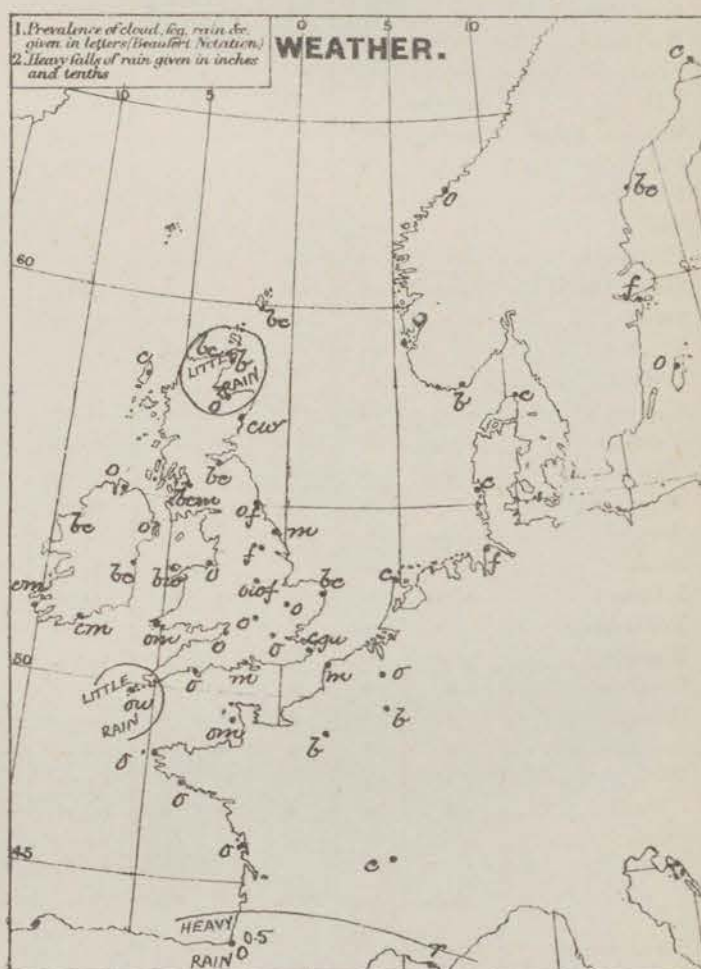
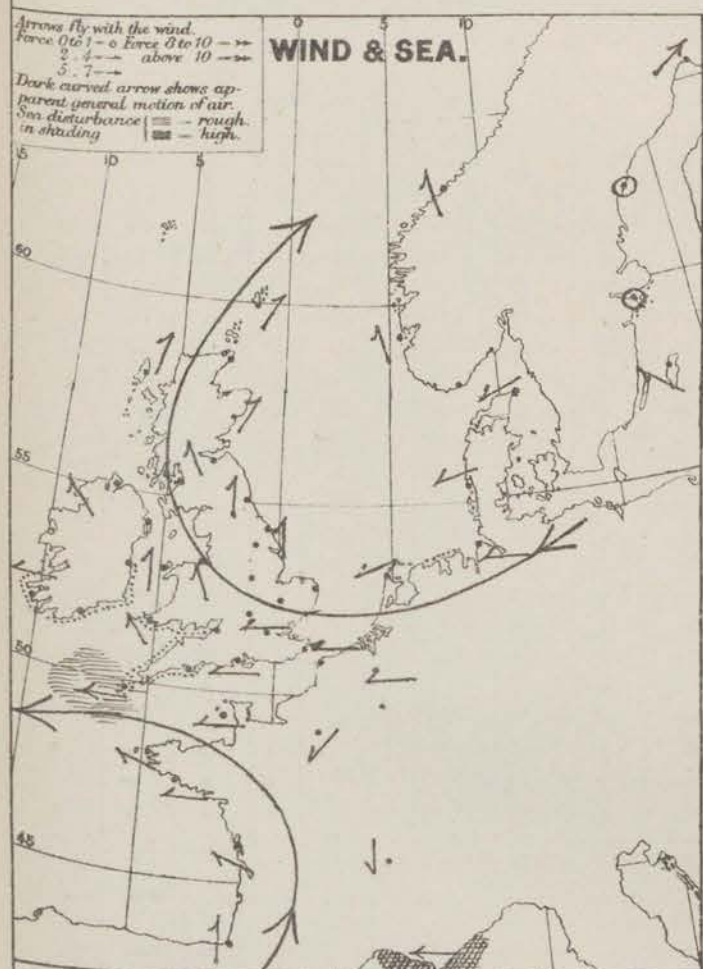
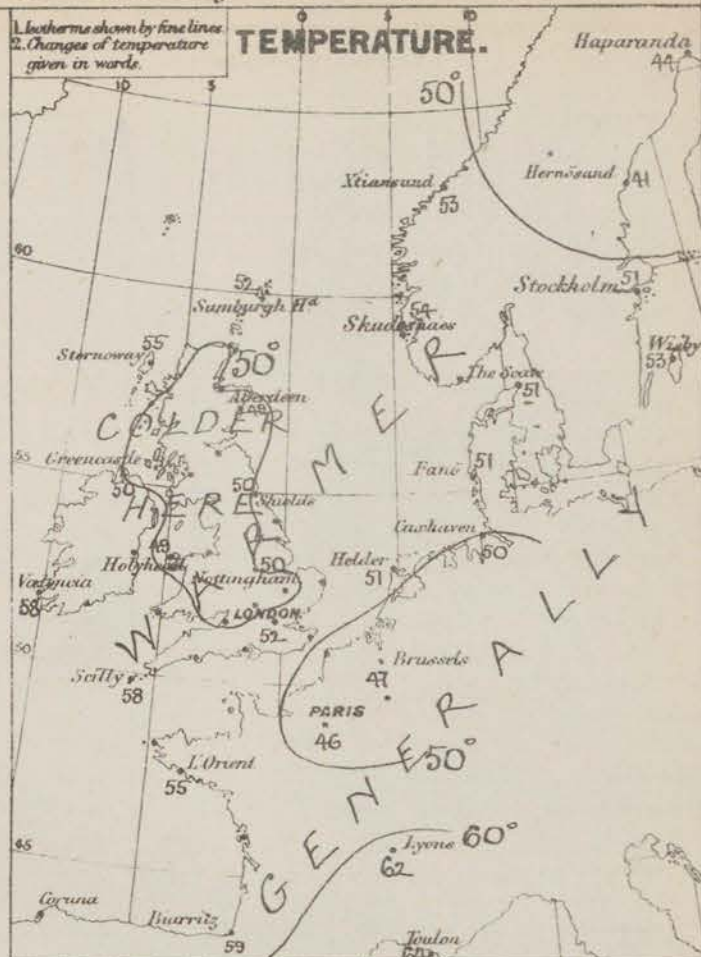
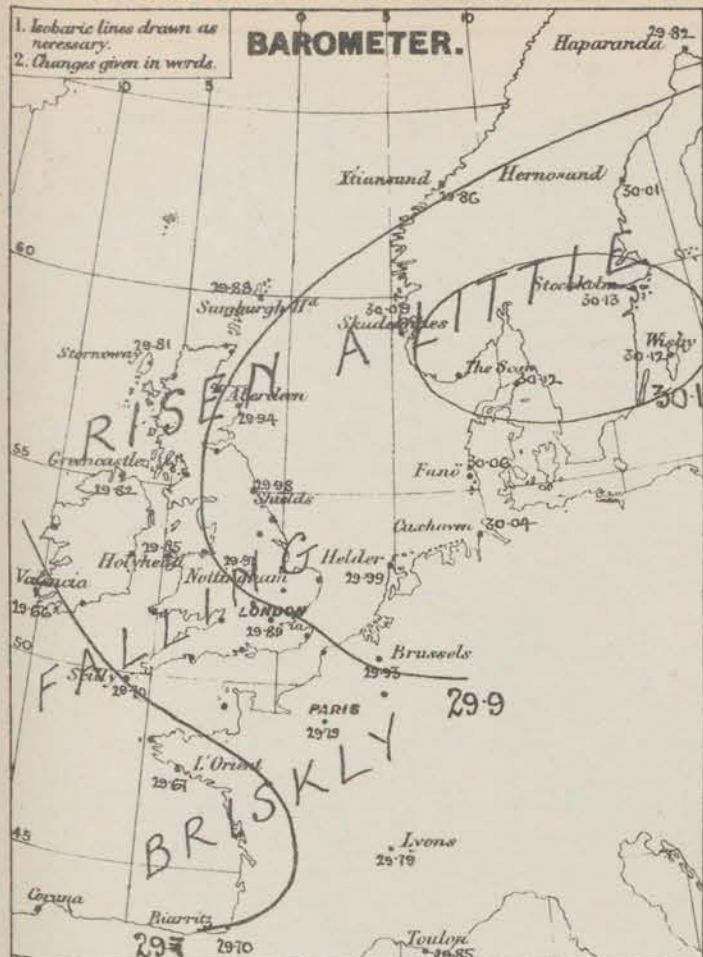
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.



**WEATHER CHARTS** *for 8 a.m. on Fri-day 18<sup>th</sup> Oct<sup>r</sup> 1873.*



B dotted line is drawn round the exact where the signals are apt.

REMARKS. Weather has improved considerably in Scotland and Ireland since yesterday, but remains very dull and foggy in the N. of England. On our SW<sup>d</sup> and S<sup>d</sup> coasts, however, the sky is overcast, and a threatening appearance is reported at Sicily. A little rain fell yesterday in the NE. of Scotland, but at Barmouth nearly half an inch has been measured. Temperature has fallen a few degrees in the N. near elsewhere, and readings are very uniform over the greater part of our islands, but the extreme SW. stations are 9° warmer than Oxford. Wind is freshening from the E<sup>ly</sup> in the Channel, and S. of Ireland, while it is light from SE. in the N<sup>th</sup> parts of England and Ireland, light E. to SW. in Scotland and the Hebrides. Sea is rough off our SW. coasts, moderate to smooth elsewhere. Barometrical Indications. The barometer is now rising steadily in the N. of our islands, while it is falling over the Bay of Biscay, France and our S<sup>d</sup> coasts. Gradients for SE<sup>ly</sup> and E<sup>ly</sup> winds are becoming somewhat decided in the SW., and strong breezes or gales from those quarters are anticipated. Fogging. Our SW. coasts have been warned this morning.



# DAILY WEATHER REPORT OCT 19<sup>th</sup> 1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.24	50	SW	4	0	29.95	+ .13	44	42	0	SW	2	bc	*	50	41	-	
Hernösand ...	30.06	42	Z	0	0	30.08	+ .07	34	34	- 7	Z	0	f	*	*	*	-	
Stockholm ...	30.13	50	Z	0	0	30.14	+ .01	50	50	- 1	Z	0	f	*	*	*	-	
Wisby ...	30.13	53	SSE	4	0	30.13	+ .01	50	49	- 3	E	4	bc	*	*	*	-	
Christiansund ...	29.99	51	SW	2	0	30.04	+ .05	48	46	- 5	SE	1	bc	4	59	43	-	
Skudesnaes ...	30.10	53	SSE	2	0	30.08	- .01	50	48	- 4	ESE	2	0	2	54	?	-	
Oxö (Xtiansand) ...	30.10	47	NNW	2	0	30.09	- .03	48	47	- 3	NE	4	0	2	54	43	-	
Skagen (The Seaw)	30.11	51	ESE	3	0	30.08	- .04	53	51	+ 2	SE	3	0	3	55	46	-	
Fanö ...	30.02	51	NE	4	0	29.99	- .07	53	52	+ 2	ENE	4	0	*	57	48	-	
Cuxhaven ...	30.01	55	ESE	3	0	29.94	- .10	54	53	+ 4	E	2	0	*	55	48	-	
Sumburgh Head ...	29.93	51	S	3	m	29.91	+ .02	53	52	+ 1	SSE	4	0	4	57	50	-	
Stornoway ...	29.87	52	Z	0	0	29.77	- .04	47	46	- 8	?	1	ef	1	57	42	-	
Thurso ...	29.88	50	SSE	1	f	29.84	- .04	52	51	+ 3	SSE	2	0	2	63	47	-	
Wick ...	29.86	53	S	3	0	29.84	- .02	53	52	+ 2	S	3	bc	3	59	49	-	
Nairn ...	29.86	52	Z	0	0	29.84	- .02	44	42	- 6	Z	0	0	0	59	44	-	
Aberdeen ...	29.91	54	S	3	0	29.89	- .05	53	51	+ 4	SSE	4	0	2	56	48	-	
Leith ...	29.88	53	SSE	3	0	29.82	- .09	53	51	+ 7	ESE	3	0	*	58	45	-	
Shields ...	29.93	53	SE	1	0	29.88	- .10	54	52	+ 4	SE	2	0	3	56	45	-	
Scarborough ...	29.90	54	SE	4	0	29.87	- .10	54	52	+ 1	SE	4	0	4	55	53	-	
York ...	29.90	53	E	1	0	29.84	- .12	54	53	+ 4	E	2	0	*	60	48	-	
Nottingham ...	29.85	54	ESE	3	0	29.83	- .14	52	51	+ 2	SE	3	0	*	60	49	-	
Ardrossan ...	29.85	55	ESE	3	0	29.78	- .10	52	49	+ 3	ESE	3	0	2	60	49	-	
Greencastle ...	29.78	55	ESE	2	0	29.69	- .13	53	51	+ 3	E	2	0	*	62	49	-	
Donaghadee ...	29.83	55	SSE	5	0	29.73	- .13	55	52	+ 2	ESE	4	0	3	58	50	-	
Kingstown ...	29.76	57	SSE	1	0	29.70	- .13	55	53	0	SE	4	0	4	57	53	-	
Holyhead ...	29.76	51	E	3	0	29.71	- .14	49	48	0	SSW	1	0	1	58	46	-	
Liverpool (Hidston) ...																		
Valencia ...	29.62	58	E	4	0	29.57	- .09	57	56	- 1	SE	3	bc	5	65	54	-	
Roche's Point ...	29.68	55	ESE	5	0	29.64	- .11	57	56	0	SE	5	tm	4	59	52	0.07	
Pembroke ...	29.70	52	E	3	0	29.67	- .13	55	54	+ 2	ESE	4	0	4	56	49	0.01	
Portishead ...	29.73	50	ENE	4	0	29.72	- .14	53	51	+ 3	ESE	2	0	1	56	48	-	
Seilly ...	29.62	57	E	7	0	29.67	- .03	58	58	0	SSW	2	ef	5	58	55	0.09	
Plymouth ...	29.65	54	NE	5	0	29.68	- .27	54	54	- 1	Z	0	0	*	57	52	0.10	
Hurst Castle ...	29.69	55	E	6	0	29.69	- .13	55	54	0	E	4	0	4	56	52	-	
Dover ...	29.77	56	E	5	0	29.74	- .15	54	51	+ 1	E	4	0	3	57	52	-	
London ...	29.77	54	E	5	0	29.75	- .14	54	52	+ 2	E	2	0	*	55	51	-	
Oxford ...	29.77	50	E	1	0	29.75	- .14	53	51	+ 4	E	2	0	*	55	48	-	
Cambridge ...	29.81	51	ENE	1	0	29.78	- .15	52	51	+ 4	E	1	0	*	57	45	-	
Yarmouth ...	29.85	55	E	6	0	29.82	- .14	55	53	+ 1	E	6	0	4	56	53	-	
The Helder ...	*	*	*	*	*	29.87	- .12	53	52	+ 2	ENE	2	0	*	*	*	-	
Cape Gris Nez ...	29.80	52	ENE	2	0	29.74	- .14	46	45	0	E	2	m	1	55	43	-	
Jersey ...	29.62	58	E	4	m	29.70	- .03	59	59	+ 5	N	2	m	2	59	53	-	
Brest ...	? 29.64	61	SE	1	m	? 29.73	+ .03	55	55	- 2	N	1	bc	5	61	54	-	
L'Orient ...	29.62	57	S	1	r	29.75	+ .08	54	54	- 1	NNW	2	bc	3	63	50	-	
Rochefort ...	29.61	63	N	4	r	29.81	+ .16	59	57	- 2	SSE	3	bc	3	79	52	0.59	
Biarritz ...	29.70	64	WSW	1	0	29.78	+ .08	63	55	- 4	S	4	bc	4	66	55	-	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	29.77	- .16	44	43	- 3	E	3	f	*	57	41	-	
Charleville ...	*	*	*	*	*	? 29.79	- .05	52	*	+ 3	SE	1	0	*	*	*	*	
Paris ...	29.69	58	Z	0	0	29.71	- .08	58	56	+ 12	SE	1	0	*	*	*	-	
Lyons ...	*	*	*	*	*	29.87	+ .08	60	*	- 2	SW	2	p.	*	*	*	*	
Toulon ...	29.84	61	SW	3	0	29.93	+ .08	59	55	- 5	E	1	0	5	64	55	0.20	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.10	54	51	SSE	4	0	3	Valencia .....	29.62	62	56	E	4	om	4
Thurso .....	29.89	58	55	SSE	2	0	3	Seilly .....	29.63	58	56	E	7	0	6
Scarborough ...	29.92	54	52	SE	3	0	3	London .....	29.81	54	50	E	4	0	*
Greencastle ...	29.79	59	55	SE	2	0	*	Rochefort ...	? 29.62	63	61	NNW	5	0	3
Holyhead .....	29.78	57	54	E	3	0	2								

The barometer continues to fall on all but our extreme NW coasts. The wind has increased to a moderate gale from E. at Seilly and Brest, and the sea is rough at the mouth of the channels.

Mullaghmore	29.73	57	E	4	0	29.66	- .11	52	51	- 2	ESE	4	0	3	59	51	-
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## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

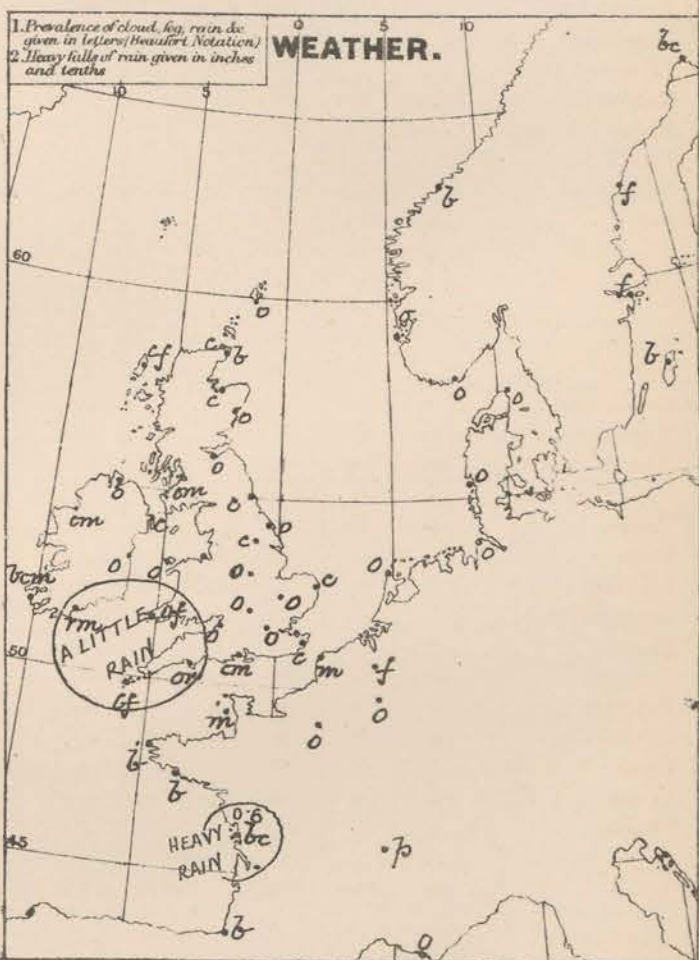
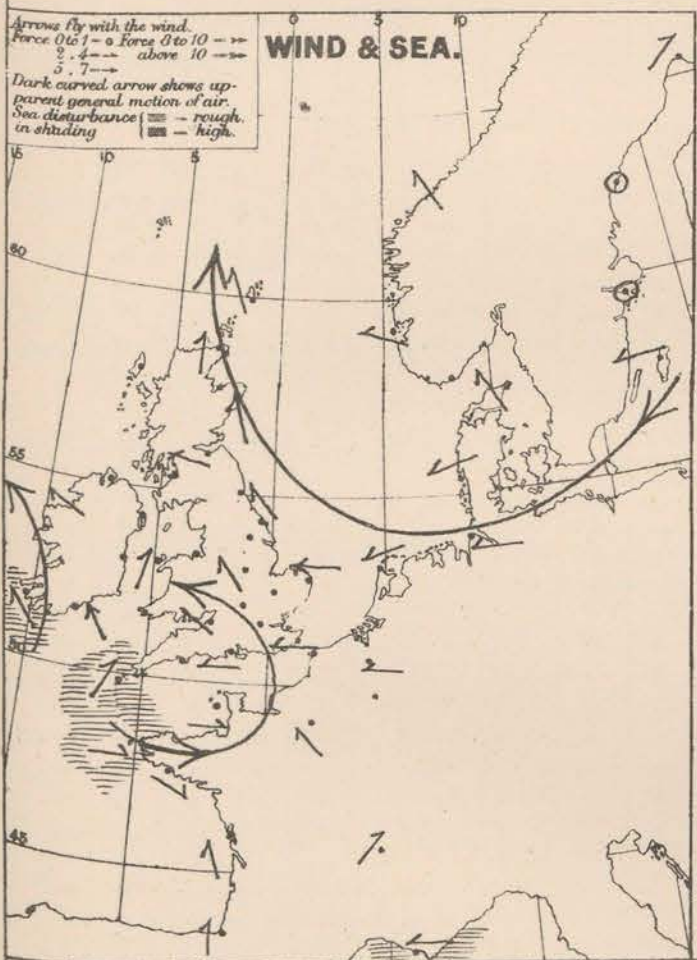
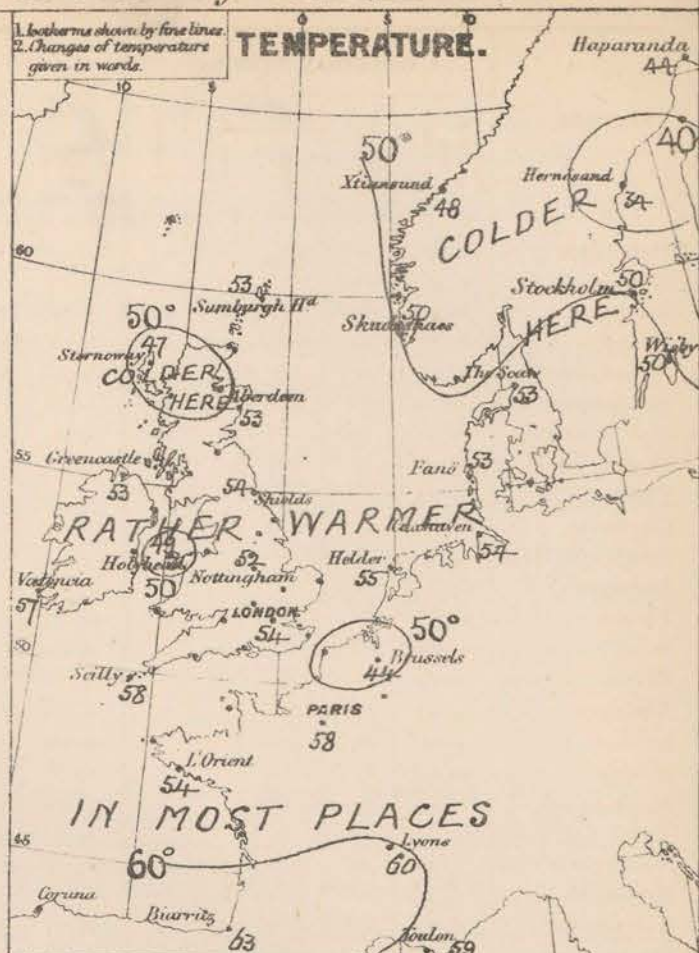
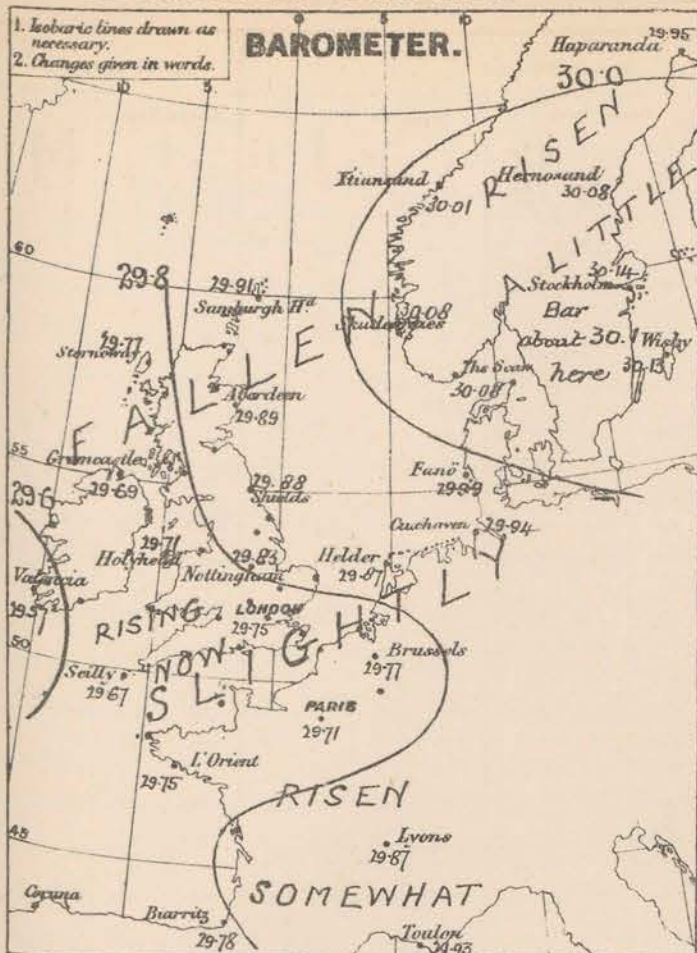
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.



**WEATHER CHARTS** *for 8 a.m. on Saturday. 19<sup>TH</sup> OCT<sup>R</sup> 1878.*



**REMARKS.** Weather is cloudy over nearly the whole of NW<sup>th</sup> Europe, rain is falling at Roch's Point and Plymouth and fog or mist prevails very generally over our SW coasts. In the W. of France, however, the sky is clear. Some rain has fallen on several parts of our SW coasts, and nearly 0.6 in. at Rochefort, but none elsewhere. Temperature has risen in most places, but a decided fall is reported at St. Mary and Brest, and a slight fall in the W. of Ireland. Saily (28<sup>th</sup>) is 14° warmer than Brest. Wind is light to moderate generally, but strong at Guernsey. It is E<sup>ly</sup> at the SE<sup>th</sup> stations, SE<sup>ly</sup> in the W. of France, and from SW at Saily. It blew a moderate gale from the E<sup>ly</sup> at the mouth of the Channel yesterday afternoon, and at Guernsey during the night, but these have now subsided. Sea is still rather rough at the SW stations, moderate in the E, S. and W, slight in the NE.

Barometrical Indications. A further fall of the barometer took place over the greater part of our Islands and Coast yesterday, but a recovery has since occurred at the French stations, and is now in progress at our SE coasts. A large but apparently shallow depression lies to the W<sup>th</sup> of Ireland this morning, and a small secondary disturbance over the Channel.

The hoisting signals hoisted in the P.M. yesterday have been lowered this morning.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 10/- per quarter, book post 5/- per quarter.

Meteorological Office,  
116, Victoria Street, Westminster, S. W.

R. H. SCOTT.

Secretary.



# SUMMARY OF WEATHER IN WESTERN EUROPE

from OCT 13<sup>th</sup> to OCT 19<sup>th</sup> 1878.

(Issued Weekly as a Supplement to the "Daily Weather Report.")

The general distribution of pressure has not undergone much change during this week. On the 13<sup>th</sup> a large area of high pressure lay over the N. of France, N. Germany and the S.E. of England, while low readings were reported from our W. coast. Subsequently the anticyclone moved slowly N<sup>wd</sup>, and till the close of the week lay over Sweden. During the whole time depressions have moved from S. or S.W. to N. or N.E. over or near to our W. coast, so that E<sup>ly</sup> to S.E<sup>ly</sup> winds, of forces varying from a light breeze to a moderate or strong gale, have prevailed generally. Temperature has been uniform and generally high for the time of year. The weather has been cloudy, but exceptionally dry.

SUNDAY OCT: 13<sup>th</sup>

Weather overcast or cloudy in the N. and N., with rain in the Hebrides, Shetlands and at Christianund, fine and bright elsewhere. The only rain falling <sup>later</sup> in the day being a few hundredths in the S. of Ireland.

Temperature much higher in the S.W. N. and N. lower in the E. and S.E.; readings varying from 57° in the S.W. and 56° at Ardrossan to 45° in the S.E. The thermometer rising to 63° in London during the day and falling to 40° in the shade, and 30° on the grass during the night.

Winds E<sup>ly</sup> over France, S<sup>ly</sup> (S.W. to S.E.) on our coast, light in force in the E., strong in the N., reaching a gale at Mullaghmore and Stromway, and at Valentia in the evening.

Sea high at Stromway, rough at many of our western stations

Barometer rising over Scandinavia, Denmark, our extreme S.E. stations, and in some part of France, falling elsewhere. An anticyclone lying in the S.E. with depressions passing N.E. over our W. stations. Gradient rather steep.

MONDAY OCT: 14<sup>th</sup>

Weather fine and bright except in the extreme N. and N.; some fog or mist, however, prevailing locally. Half an inch of rain subsequently falling in the S. of Ireland, but none measured elsewhere.

Temperature several degrees higher in the S.E. much lower in Scandinavia, unchanged elsewhere; readings varying from 58° in the N. to 46° in London; the maxima ranging between 57° and 64°.

Winds still E<sup>ly</sup> in France, and S.E. to S.W. over these Islands; moderate to light in force in the S.E., but strong in the N., and blowing a gale in the N. N.W. and N.; little change occurring during day.

Sea high at Valentia and very high at Stromway; rough in the N. generally, slight elsewhere.

Barometer rising briskly in Scandinavia, falling in most other places. Anticyclone shown over N. Germany, and depressions still passing N<sup>wd</sup> along our W. coast.

TUESDAY OCT: 15<sup>th</sup>

Weather very dry and moderately fair generally, though cloudy and foggy in several places. Slight rain subsequently falling in the N.E. and at some of our S.W. stations.

Temperature higher in the E. lower in the S.W. N. and N. of our Islands, not much change over the greater part of the Continent. Readings in these Islands varying from 57° at Cork to 43° at Portlaoine.

Winds E<sup>ly</sup> over France and the S. of England, but drawing into S.E. and S. in the N.W. and N., blowing strongly in places, and reaching a gale at Stromway. Later in the day winds falling lighter but retaining the same general direction.

Sea rough or high in the N., rather rough off Tilly and Yarmouth.

Barometer falling over France, the Netherlands and S. of England rising elsewhere. Large anticyclone lying over Denmark and the S. of Scandinavia, the lowest reading being shown over the Gulf of Sagony. In the evening mercury rising slowly.



WEDNESDAY OCT 16<sup>TH</sup>

Weather very fine in the N. and S. of France, dull or cloudy over these Islands with much fog and mist. Light rain subsequently falling on our NE<sup>m</sup> and SW<sup>m</sup> coasts.

Temperature higher in most places; readings very uniform over N<sup>m</sup> Europe. The maxima ranging between 61° and 54°.

Wind E<sup>2</sup> over North Germany, France and the greater part of England, but drawing into SE. and S. in the N. light in force generally in the morning, but the S<sup>2</sup> wind increasing during the day.

Sea moderate to smooth except at Portsmouth.

Barometer falling over Scandinavia and our N<sup>m</sup> and N<sup>m</sup> stations, rising elsewhere. Pressure greatest over Sweden, lowest off our N. coast. Decrease in the N.H. becoming brisker towards evening, and the gradient over Scotland increasing.

THURSDAY OCT 17<sup>TH</sup>

Weather still very fine in the N. of France, dull and cloudy elsewhere; very foggy over England, but exceptionally dry over the whole of N<sup>m</sup> Europe.

Temperature higher over France, the eastern shores of the North Sea and our N<sup>m</sup> and N<sup>m</sup> coast, lower over England, readings, however, still very uniform generally, and the maxima ranging from 58° to 64°

Wind still E<sup>2</sup> over France, but S<sup>2</sup> breeze more general over these Islands, light in force in the E. moderate in the N. and blowing a fresh gale at Portsmouth. Force decreasing later in the day, but direction unchanged.

Sea high off the Hebrides, rough at Lumburg Head and Valentia.

Barometer falling over the whole of our area, change being least in the SE. and greatest in the N.H. Anticyclone still lying over Sweden, with depression passing NE<sup>W</sup> off the N. coast of Scotland.

FRIDAY OCT 18<sup>TH</sup>

Weather fine in many parts of Scotland, Ireland and France, still dull and foggy over England, N. rain falling except a few hundredths in the SW.

Temperature lower at our more N<sup>m</sup> stations, higher elsewhere. Readings rather low at the inland stations, but very uniform round the coast, the maxima reaching 65° at Valentia, and 63° at Thurso.

Wind E<sup>2</sup> over N. Germany, France and our SW stations, SE<sup>2</sup> to S<sup>2</sup> in the N. light or moderate in force generally, but strong in the Channel.

Sea rough off the Scilly Islands.

Barometer rising slightly over Scotland and Norway, falling elsewhere. Reading highest over the S. of Scandinavia, lowest over the Bay of Biscay. Decrease continuing all day, and small depression appearing over N<sup>m</sup> France.

SATURDAY OCT 19<sup>TH</sup>

Weather fine in the N. of France, dull or cloudy in nearly all other places, with fog and mist in the SW; rain at Cork and Plymouth. Rain subsequently falling at most of the N<sup>m</sup> stations.

Temperature rather higher except in the N.H. of Scotland and N. of Ireland. Readings varying from 58° in the SW. to 44° at Kairn. The maxima ranging in most places from 55° to 60°.

Wind light N<sup>2</sup> in Brittany, moderate E<sup>2</sup> over the North Sea, the Netherlands, and SE. of England, and moderate to fresh SE<sup>2</sup> elsewhere. Direction becoming more S<sup>2</sup> later in the day.

Sea moderate to slight except in the SW.

Barometer rising slightly both in France and Sweden, falling elsewhere. Reading highest over the S. of Sweden, lowest to the W<sup>2</sup> of Ireland, but small subsidiary depressions shown in the neighbourhood of the Channel.

Meteorological Office,

116 Victoria Street, Westminster, S.W.

ROBERT H. SCOTT, Secretary.



# DAILY WEATHER REPORT OCT. 20<sup>TH</sup> 1878.

STATIONS.	↑ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 320 P. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer at 320 P. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.			
			Dir.	Force. (0 to 12.)			Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.				
Haparanda ...	29.93	44	Z	0	δ	29.95	41	41	- 3	Z	0	δc	*	48	37	-			
Hernösand ...	30.08	36	Z	0	f	30.00	34	34	0	Z	0	f	*	*	*	-			
Stockholm ...	30.12	51	Z	0	0	30.07	48	47	- 2	NNE	2	c	*	*	*	-			
Wisby ...	30.11	47	SE	4	δc	30.02	44	42	- 6	E	6	δ	*	*	*	-			
Christiansund ...	29.98	47	Z	0	δ	29.93	50	46	+ 2	SE	2	c	3	54	43	-			
Skudesnaes ...	30.06	53	ESE	2	0	29.97	54	50	- 4	E	2	0	2	54	50	-			
Oxö (Xtiansand) ...	30.08	50	NE	4	0	30.00	57	50	+ 3	NNE	4	0	2	52	42	-			
Skagen (The Sea) ...	30.08	53	ESE	4	0	30.00	50	48	- 3	E	3	0	3	55	45	-			
Fanö ...	29.99	46	NE	1	δ	29.89	49	48	- 4	NE	4	c	*	57	43	-			
Cuxhaven ...	29.93	56	E	1	0	29.86	54	54	0	NE	2	r	*	?	50	0.01			
Sumburgh Head ...	29.87	52	SSE	5	0	29.74	53	52	0	SSE	5	c	5	53	50	-			
Stornoway ...	29.68	54	ESE	4	δc	29.60	54	54	+ 7	SE	4	δc	3	55	44	-			
Thurso ...	29.79	50	SSE	3	δc	29.70	51	51	- 1	SSE	2	omv	2	55	?	0.02			
Wick ...	29.78	54	S	5	0	29.69	53	51	0	S	2	0	2	56	52	-			
Nairn ...	29.76	53	Z	0	δ	29.70	52	50	+ 8	Z	0	0	0	59	44	0.12			
Aberdeen ...	29.85	54	S	4	0	29.76	53	52	0	S	4	c	3	55	53	-			
Leith ...	29.80	53	SE	2	δc	29.74	51	49	- 2	S	1	0	*	58	44	-			
Shields ...	29.85	54	SE	3	0	29.81	53	51	- 1	S	1	δm	2	55	52	-			
Scarborough ...	29.87	54	SE	2	δ	29.82	54	54	0	SSE	1	0	2	55	52	-			
York ...	29.84	55	E	2	0	29.83	54	51	0	SE	1	0	*	59	47	-			
Nottingham ...	29.84	57	SE	1	0	29.83	52	52	0	Z	0	r	*	59	50	0.02			
Ardrossan ...	29.78	55	ESE	1	r	29.71	53	51	+ 1	ENE	1	rm	1	60	51	0.23			
Greencastle ...	29.68	54	SSE	2	r	29.63	55	54	+ 2	SE	2	0	*	56	52	0.03			
Donaghadee ...	29.76	55	SSE	3	r	29.70	55	55	0	SSE	3	c	2	55	52	0.12			
Kingstown ...	29.72	57	SE	3	0	29.71	55	54	0	SSE	2	c	3	57	53	0.02			
Holyhead ...	29.75	54	Z	0	r	29.75	55	55	+ 6	S	2	m	1	56	48	0.12			
Liverpool (Bidston) ...	29.78	54	ESE	1	0	29.77	51	51	- 1	SE	2	c	1	55	51	0.18			
Valencia ...	29.55	57	SE	5	0	29.67	57	56	0	SH	3	0	3	62	55	0.13			
Roche's Point ...	29.67	57	SSE	4	c	29.70	57	56	0	SH	4	rm	4	60	52	0.08			
Pembroke ...	29.73	56	SE	1	δc	29.78	57	56	+ 2	SH	2	δcp	3	57	55	0.11			
Portishead ...	29.77	53	SE	1	r	29.81	53	53	0	Z	0	f	1	58	50	0.03			
Seilly ...	29.73	57	SSW	4	δc	29.80	59	59	+ 1	SSW	3	cur	4	60	55	0.01			
Plymouth ...	29.76	57	S	1	0	29.81	55	54	+ 1	E	1	0	*	61	54	0.07			
Hurst Castle ...	29.76	56	E	2	r	29.81	55	55	0	E	2	m	2	57	52	0.31			
Dover ...	29.78	56	ENE	3	c	29.83	54	52	0	NNW	1	cg	0	56	52	-			
London ...	29.81	55	E	2	cf	29.83	51	51	- 3	SH	1	0	*	61	50	-			
Oxford ...	29.80	53	Z	0	0	29.82	50	50	- 3	Z	0	f	*	55	49	0.02			
Cambridge ...	29.82	53	E	1	0	29.83	50	49	- 2	Z	0	0	*	58	46	-			
Yarmouth ...	29.83	55	E	4	c	29.83	55	54	0	E	3	c	3	56	53	-			
The Helder ...	*	*	*	*	*	29.84	49	49	- 4	E	?	f	*	*	*	-			
Cape Gris Nez ...	29.78	52	E	1	m	29.83	55	54	+ 9	SH	1	m	0	?	45	-			
Jersey ...	29.81	57	W	1	0	29.86	60	59	+ 1	Z	0	δ	0	60	56	-			
Brest ...	29.81	62	S	3	0	29.83	55	55	0	ESE	2	0	4	?	54	0.08			
L'Orient ...	29.84	59	S	1	c	29.86	55	55	+ 1	E	2	m	4	66	52	0.08			
Rochefort ...	29.86	64	NNW	1	δc	29.89	55	55	- 4	SSE	2	0	3	70	54	-			
Biarritz ...	29.85	66	S	2	δc	29.86	63	57	0	ESE	2	c	3	75	57	-			
Corunna ...	*	*	*	*	*	29.86	60	*	*	SH	6	c	1	*	*	*			
Brussels ...	*	*	*	*	*	29.80	50	50	+ 6	Z	0	f	*	57	49	-			
Charleville ...	*	*	*	*	*	29.77	53	*	+ 1	E	1	f	*	*	*	*			
Paris ...	29.80	59	Z	0	r	29.89	54	52	- 4	SSW	1	r	*	*	*	?			
Lyons ...	*	*	*	*	*	29.95	59	*	- 1	SE	?	0	*	*	*	*			
Toulon ...	29.95	61	E	2	δ	29.99	61	61	+ 2	SH	1	0	4	61	54	-			

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes ...	30.05	53	50	E	2	0	Valencia .....	29.55	57	55	ESE	4	r	4
Thurso .....	29.71	54	53	SSE	4	c	Scilly .....	29.69	60	59	S	4	0	5
Scarborough ...	29.86	55	54	SE	3	c	London .....	29.78	57	53	E	3	0	*
Greencastle ...	29.68	55	53	SE	2	0	Rochefort ...	29.82	73	63	Z	0	δc	3
Holyhead .....	29.74	55	54	NNE	1	m								

Pressure is increasing in the south, but is still decreasing in the west and north - met at Thurso.  
 The wind is backing somewhat in the south-west and has risen to a moderate breeze. Rain is reported from Aberdeen.

Mullaghmore	29.66	55	Z	0	0	29.60	-06	56	55	+4	SSE	4	cg	3	57	52	0.05
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## EXPLANATION OF COLUMNS.

WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

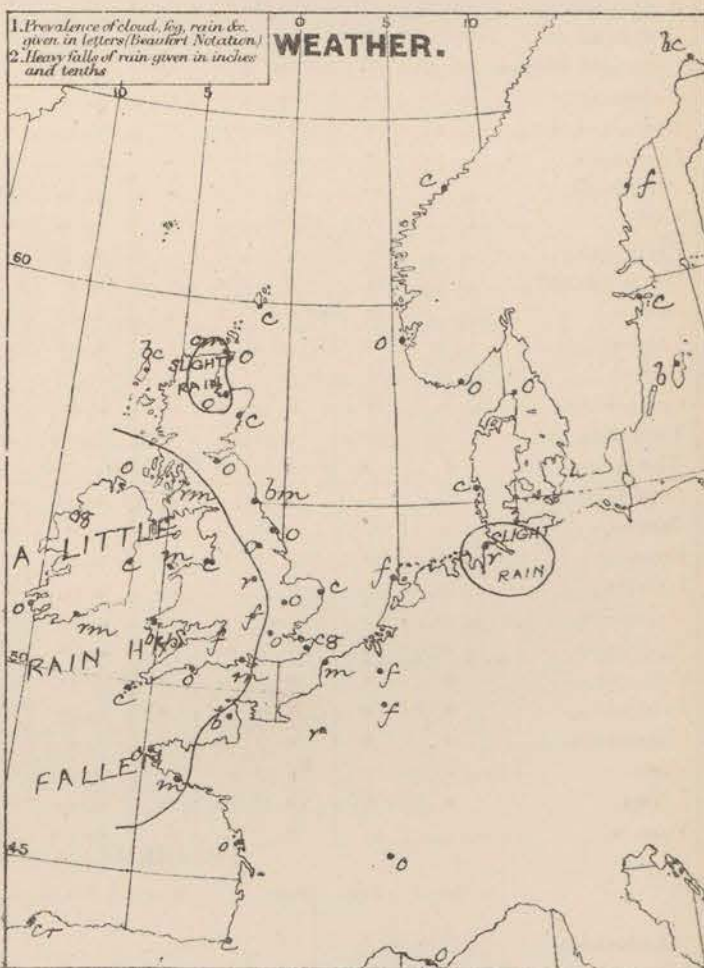
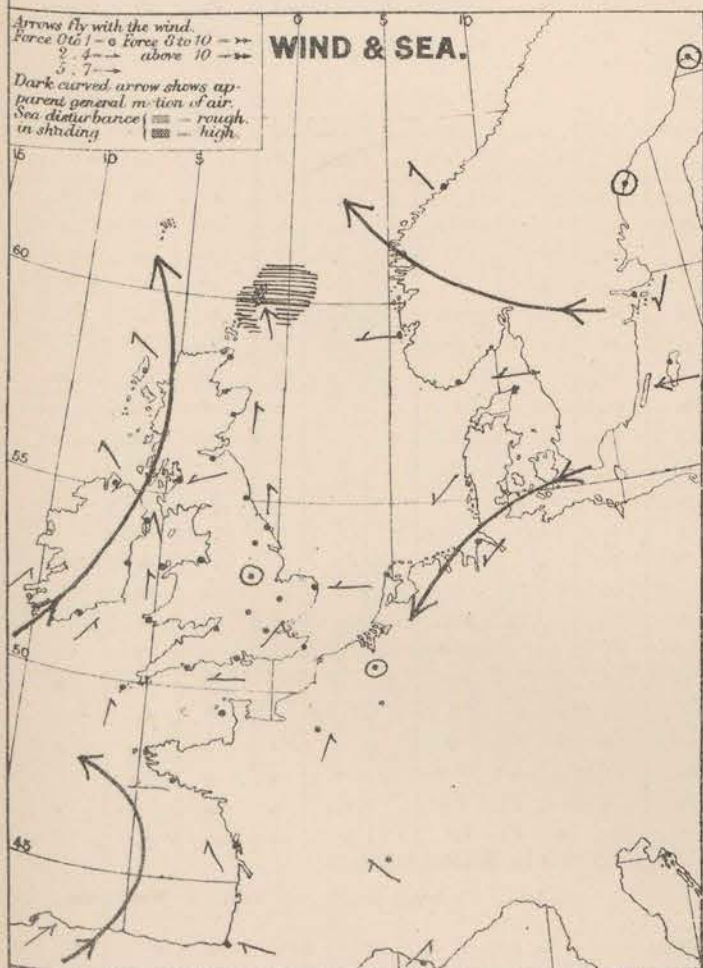
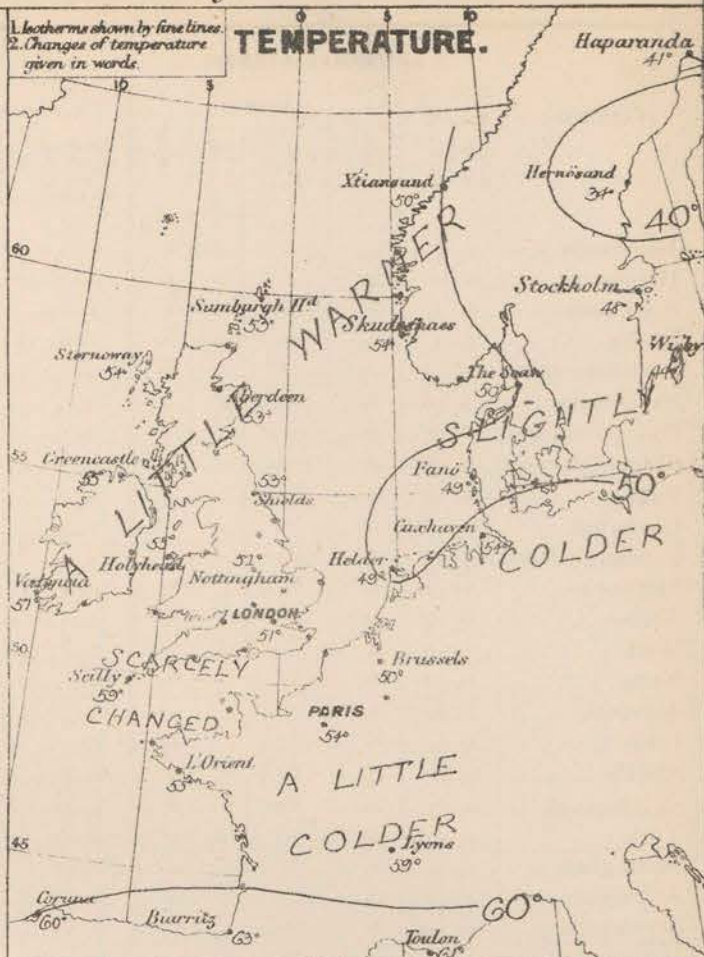
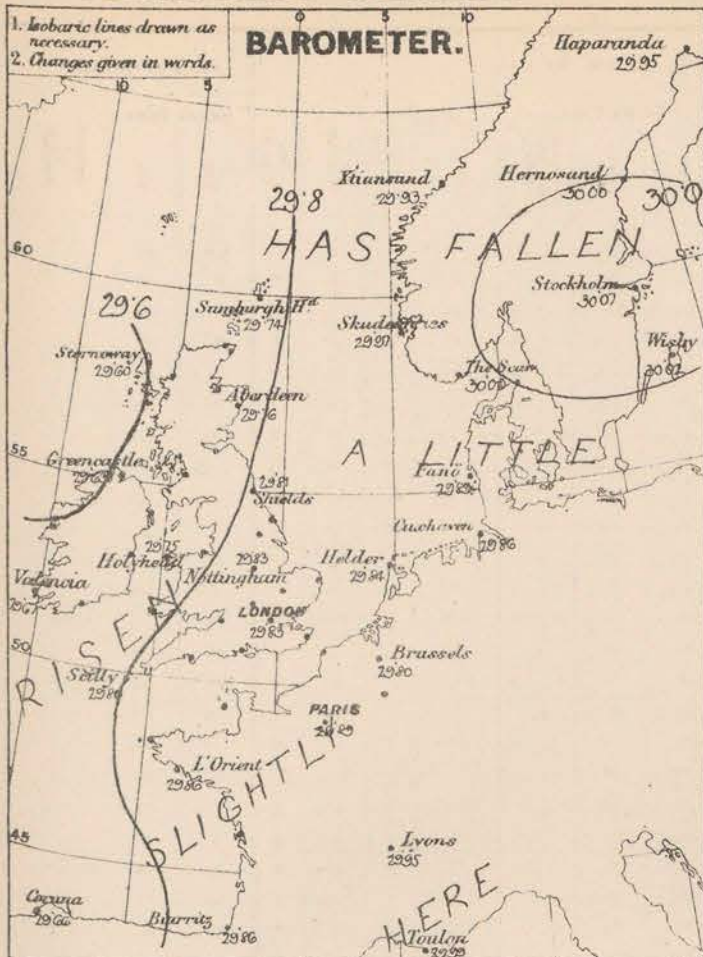
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.



# WEATHER CHARTS for 8 a.m. on Sunday 20<sup>TH</sup> OCT. 1878.



**REMARKS.** Weather is overcast or very cloudy in almost all parts of Western Europe, with rain at Paris and some of our western stations, and a good deal of fog and mist in the south and southeast. Rain has fallen during the past twenty-four hours in the west, but at our east coast stations the weather has remained dry. Temperature has risen a few degrees at many of our western and northern stations but has fallen on the Continent, while in our southern districts scarcely any change has occurred. Wind is moderate in the south west, but draws into S. and SE at the north western ports; on the south-east and south coasts a light variable air is reported. Sea is rather rough at Sunburghill, moderate or slight on our other coasts.

**Barometrical Indications.** The barometer has risen slightly over France and at our more southern stations but is still falling in the north. The highest pressures are found over Sweden, and the eastern side of a somewhat shallow depression is pressing along the west coasts of Ireland and Scotland, but gradients are everywhere slight.



# DAILY WEATHER REPORT

OCT. 21<sup>st</sup> 1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 32° F. Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer Reading at 32° F. and Sea Level.	SEA & TIDE.			WIND.			Sea (0 to 9.)	SHORE TEMP.		Amount of Rainfall.			
			Dir.	Force. (0 to 12).			Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12).	Weather.		Max.	Min.				
Haparanda ...	29.96	42	S	4	o	30.00	+0.5	43	42	+2	Z	0	o	*	46	37	-		
Hernösand ...	30.01	40	Z	0	o	29.88	-12	41	40	+7	Z	0	o	*	*	*	-		
Stockholm ...	29.92	45	ENE	4	bc	29.71	-36	47	47	-1	NE	4	5	*	*	*	-		
Wibby ...	29.85	45	E	4	o	29.66	-36	48	48	+4	E	2	5	*	*	*	0.16		
Christiansund ...	29.79	50	ESE	2	bc	29.52	-41	45	42	-5	SE	3	6	3	54	39	-		
Skudesnaes ...	29.50	53	SSE	4	o	29.55	-42	52	47	-2	SE	8	0	5	54	52	-		
Oxö (Xiänsand) ...	29.85	50	ENE	5	c	29.67	-33	50	48	-1	ENE	6	0	3	52	45	-		
Skagen (The Seaw) ...	29.83	51	ESE	3	bc	29.68	-32	48	46	-2	ESE	2	0	1	54	43	-		
Fanö ...	29.73	51	NE	1	o	29.65	-24	51	50	+2	E	1	0	*	54	46	-		
Cuxhaven ...	29.79	55	NE	2	+	29.71	-15	51	51	-3	SH	1	7	*	?	52	0.02		
Sumburgh Head ...	29.55	53	SSE	6	o	29.05	-69	53	53	0	SSE	7	5	6	54	50	0.14		
Stornoway ...	29.37	54	SE	5	c	28.94	-66	47	45	-7	S	1	bc	3	55	41	0.40		
Thurso ...	29.49	52	SSE	3	o	29.03	-67	50	50	-1	SSH	2	5	3	54	49	0.24		
Wick ...	29.48	53	S	5	bc	29.02	-67	52	51	-1	SSH	2	0	2	55	51	0.12		
Nairn ...	29.50	53	SH	2	o	29.04	-66	52	49	0	SH	1	c	1	56	50	0.08		
Aberdeen ...	29.58	53	S	4	o	29.13	-63	52	50	-1	S	5	0	3	55	52	0.11		
Leith ...	29.55	54	S	1	c	29.16	-58	52	50	+1	SH	4	0	*	58	50	-		
Shields ...	29.67	53	S	2	o	29.29	-52	55	53	+2	SSH	4	omv	7	55	52	0.01		
Scarborough ...	29.72	53	SSE	2	m	29.40	-42	53	52	-1	S	3	0	2	56	52	0.05		
York ...	29.70	53	SSE	1	o	29.41	-42	53	52	-1	S	2	0	*	54	50	0.03		
Nottingham ...	29.75	54	S	1	o	29.47	-36	54	53	+2	S	3	c	*	58	50	0.07		
Ardrossan ...	29.51	56	S	3	+	29.16	-55	53	51	0	SSH	6	5	5	58	52	0.55		
Greencastle ...	29.46	56	SH	2	m	29.12	-51	49	48	-6	SH	2	5	*	58	48	0.30		
Donaghadee ...	29.53	55	S	2	c	29.21	-49	50	50	-5	SH	4	5	3	59	50	0.17		
Kingstown ...	29.61	59	SH	1	c	29.32	-39	52	50	-3	SSH	3	5	3	60	52	0.02		
Holyhead ...	29.65	56	SSH	4	+	29.36	-39	53	51	-2	SH	5	5m	3	60	53	0.10		
Liverpool (Bidston) ...	29.67	56	SSE	1	o	29.38	-39	53	52	+2	S	2	0	1	58	51	0.02		
Valencia ...	29.65	56	WSW	2	o	29.31	-36	55	54	-2	SH	7	ow	6	60	51	0.26		
Roche's Point ...	29.66	56	SH	4	bc	29.39	-31	54	52	-3	WSW	5	5m	4	61	51	0.06		
Pembroke ...	29.72	58	SSH	3	o	29.46	-32	54	53	-3	WSW	3	0	4	60	54	0.08		
Portishead ...	29.74	56	SSE	2	bc	29.52	-29	53	52	0	S	3	c	3	60	51	-		
Scilly ...	29.76	57	SSH	2	o	29.57	-23	56	55	-3	SH	4	c	4	61	52	0.03		
Plymouth ...	29.76	54	Z	0	bc	29.58	-23	51	50	-4	NE	1	bc	*	61	48	-		
Hurst Castle ...	29.77	59	WNW	1	bc	29.55	-26	59	58	+4	S	2	cur	2	62	52	-		
Dover ...	29.79	56	W	1	c	29.56	-27	58	56	+4	SSH	3	bc	2	60	54	-		
London ...	29.78	56	SH	1	o	29.55	-28	56	55	+5	SSE	1	bc	*	61	50	-		
Oxford ...	29.76	54	S	1	o	29.52	-30	54	53	+4	S	2	0	*	59	50	-		
Cambridge ...	29.78	54	E	1	o	29.55	-28	53	53	+3	S	1	+	*	59	48	0.02		
Yarmouth ...	29.78	55	ESE	1	c	29.58	-25	52	54	-1	SSH	2	7	2	56	50	-		
The Helder ...	*	*	*	*	*	29.64	-20	51	50	+2	SSE	1	7	*	*	*	-		
Cape Gris Nez ...	29.80	57	SH	1	o	29.59	-24	55	54	0	S	2	6	1	63	52	-		
Jersey ...	29.79	56	Z	0	bc	29.53	-33	57	57	-3	Z	0	0	0	63	54	-		
Brest ...	29.76	63	NE	1	o	29.58	-30	59	57	+4	N	1	0	3	63	52	-		
L'Orient ...	29.75	59	ESE	2	o	29.60	-26	55	55	0	ENE	2	5	3	64	54	0.24		
Roche fort ...	29.78	63	SE	2	o	29.65	-24	63	61	+8	SH	4	bc	3	73	52	0.04		
Biarritz ...	29.71	66	E	3	o	29.67	-19	66	59	+3	SSE	3	0	3	73	59	0.08		
Corunna ...	*	*	*	*	*										*	*	*		
Brussels ...	*	*	*	*	*	29.65	-15	53	53	+3	S	1	0	*	57	?	-		
Charleville ...	*	*	*	*	*	29.71	-06	53	*	0	SSE	3	0	*	*	*	*		
Paris ...	29.83	54	Z	0	bc	29.65	-24	56	54	+2	SSE	1	0	*	*	*	0.20		
Lyons ...	*	*	*	*	*	29.87	-08	54	*	-5	S	2	7	*	*	*	*		
Toulon ...	29.94	64	Z	0	bc	29.91	-08	64	61	+3	S	3	7	3	68	52	0.16		
YESTERDAY'S 2 P.M. REPORTS AND REMARKS.																			
	Bar.	Dry.	Wet.	Wind.	Wsa.	Sea.		Bar.	Dry.	Wet.	Wind.	Wsa.	Sea.						
Skudesnaes ...	29.85	54	49	SSE	6	o	3	Valencia ...											
Thurso ...								Scilly ...											
Scarborough ...								London ...					*						
Greencastle ...							*	Roche fort ...	29.82	66	64	ESE	2	0	3				
Holyhead ...																			
Mullaghmore ...	29.51	56	WSW	4	o	29.17	-43	49	49	-7	WSW	5	59	59	49	0.72			

## EXPLANATION OF COLUMNS.

**WEATHER.**--Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; i. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

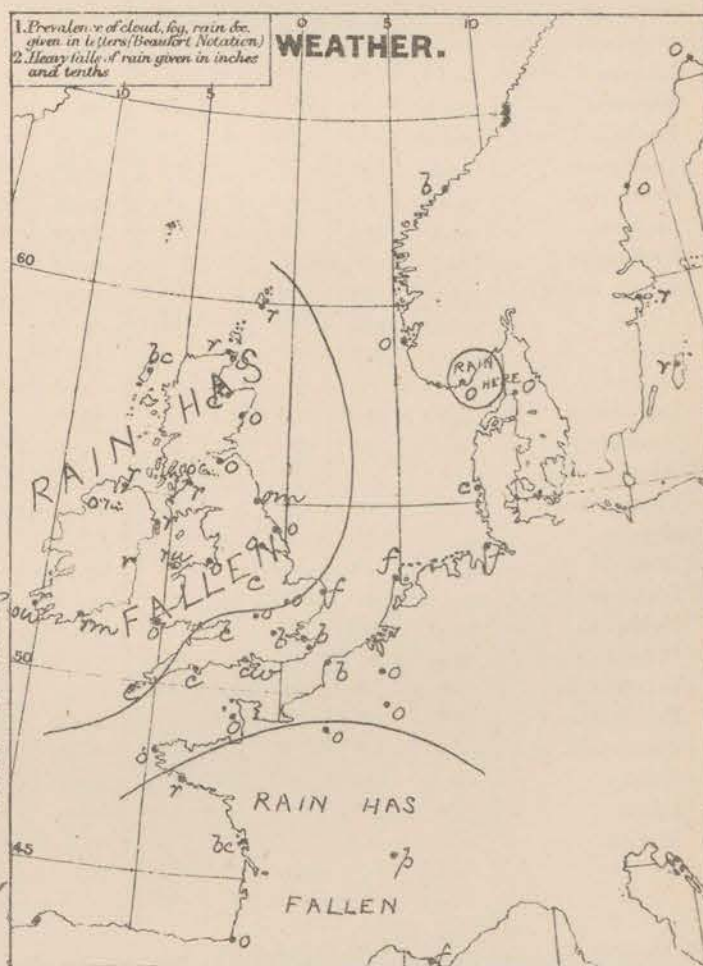
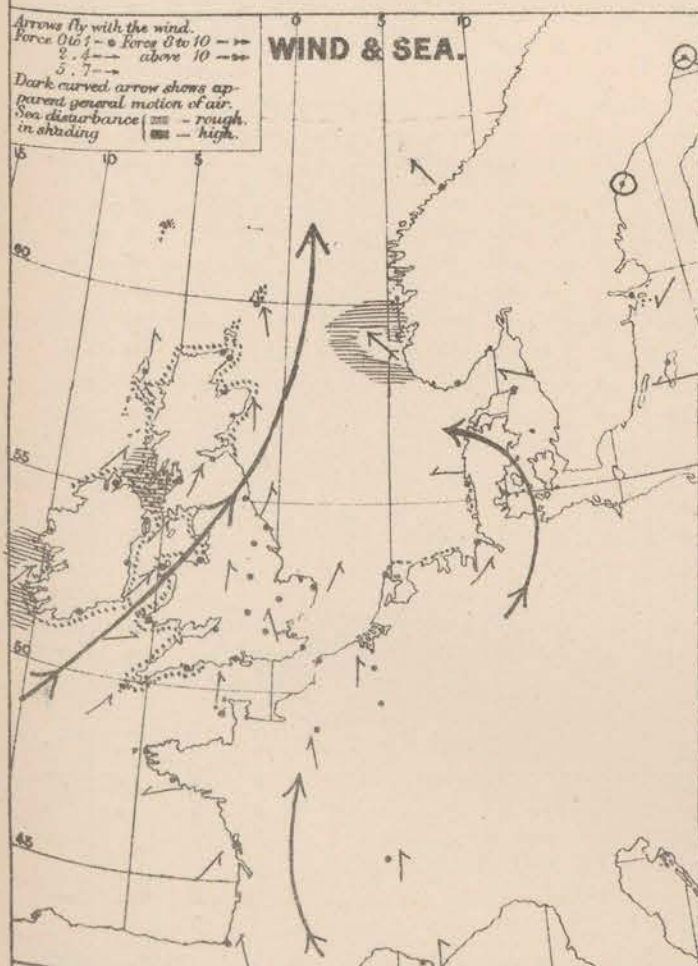
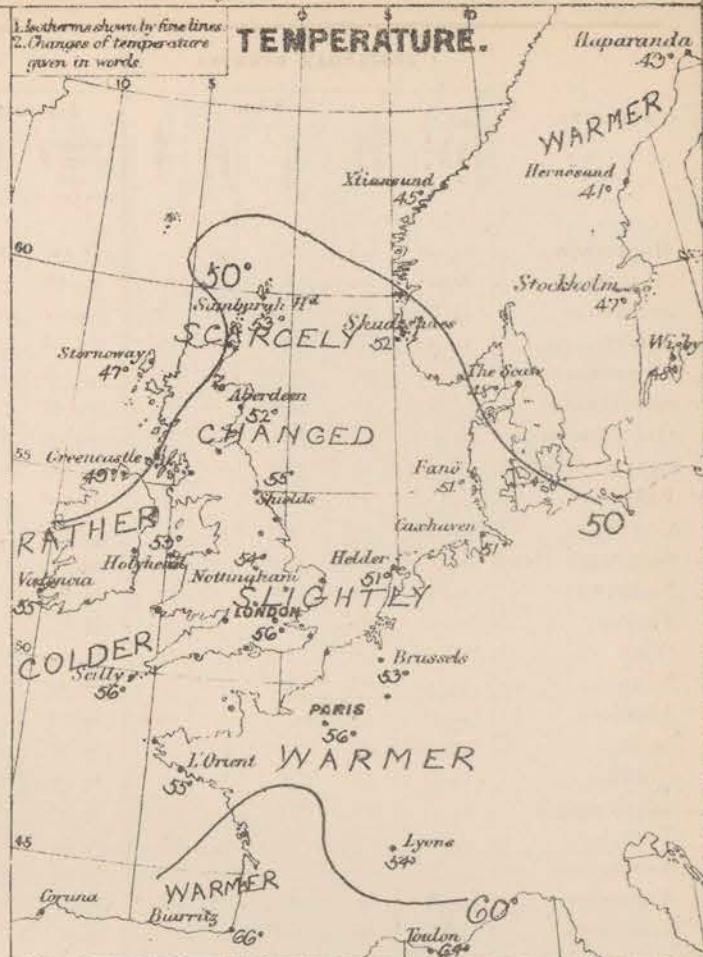
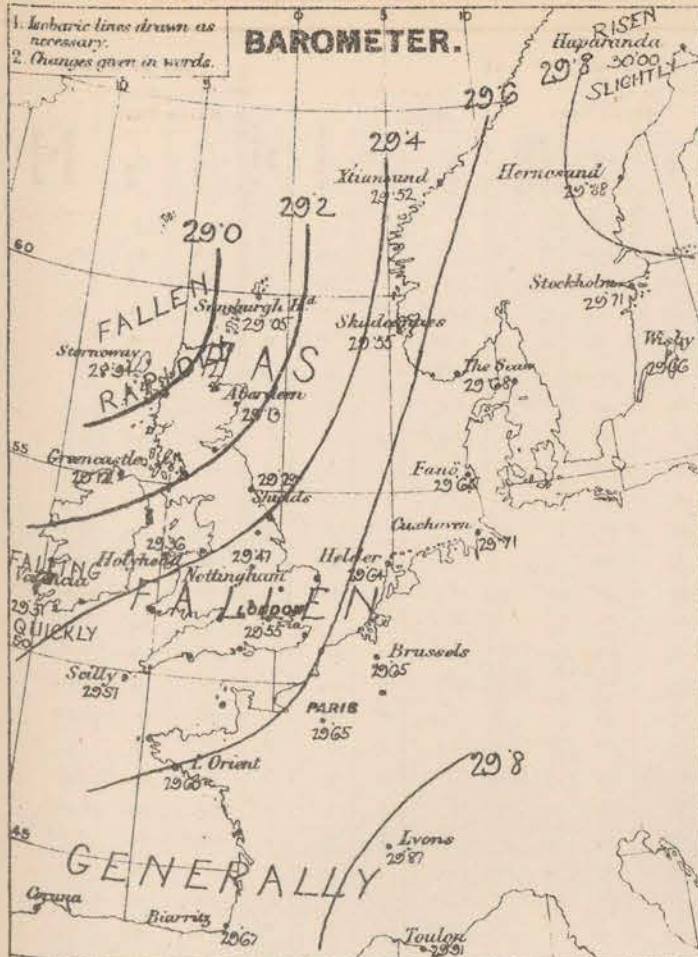
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.



# WEATHER CHARTS for 8 a.m. on Monday 21<sup>ST</sup> OCT<sup>R</sup> 1878.



Note: A dotted line is drawn round these coasts which have been drawn this morning.

**REMARKS.** Weather is very fine over the south-east of England and at Cape Breton, cloudy or overcast in all other places, with a great deal of rain in the west and north-west, and mist or fog at many stations. Rain has fallen at all our western and northern stations; the amounts, however, are not large except in the west of Scotland and north of Ireland, where over half an inch has been measured. Temperature has changed very little, but the tendency is to increase in the south-east and south, and decrease elsewhere; it varies from 59° at Hurst Castle to 47° at Stornoway. Wind is SW to SE over these islands and France, but draws into SE in the west of Norway. It is light or moderate in force at most of our stations but is fresh on some parts of our western coasts, blowing a moderate gale at Valentia and in the Hebrides. Sea is moderate to slight except off the west of Ireland and Lumburg. H.

**Barometrical Indications.** Pressure has decreased over the whole of Western Europe, the change being greatest (nearly 0.7 in.) in the north and north-west of Scotland. A large depression has its centre not far from the Hebrides, while a second disturbance is apparently approaching the south-west of Ireland.

**Warnings.** The following message has been sent to our south-west, west and north coasts:—"Barometer falling briskly west, with moderate SW gale at Valentia. Hoist Red Cone. Monday. 10.20 am."

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 1/6 per quarter, book post 5/6 per quarter.

Meteorological Office,  
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.  
Secretary



# DAILY WEATHER REPORT

OCT. 22<sup>nd</sup>

1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.			
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.				
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.	Amount of Rainfall.		
Haparanda ...	29.88	41	S	2	0	29.75	-.25	59	?	-4	E	2	0	*	43	36	-		
Hernösand ...	29.72	45	ENE	2	0	29.58	-.30	46	45	+5	ENE	4	2	*	*	*	0.04		
Stockholm ...	29.50	48	ESE	4	1	29.53	-.18	47	46	0	SW	2	2	*	*	*	0.28		
Wisby ...	29.56	51	SW	2	1	29.59	-.07	50	49	+2	SW	4	2	*	*	*	0.35		
Christiansund ...	29.32	51	ESE	4	0	29.00	-.32	56	?	+11	SE	3	0	3	?	41	-		
Skudesnaes ...	29.19	53	SSE	9	1	28.99	-.36	53	52	+1	SSE	7	1	6	34	52	-		
Oxö (Xtiansand) ...	29.45	51	SE	7	0	29.13	-.44	54	53	+4	SSE	9	1	4	?	46	0.59		
Skagen (The Sæw) ...	29.54	48	ESE	2	0	29.26	-.42	51	51	+3	SE	7	1	6	52	43	0.12		
Fanö ...	29.38	51	SSE	6	0	29.22	-.48	55	55	+4	SSE	4	0	*	55	46	0.08		
Cuxhaven ...	29.57	52	SSE	2	0	29.35	-.36	56	56	+5	SW	2	0	*	?	46	0.03		
Sumburgh Head ...	28.80	50	SSE	6	1	28.72	-.33	45	42	-8	SW	4	0	4	53	44	1.05		
Stornoway ...	28.77	45	SSE	2	1	28.61	-.33	44	43	-3	NNW	2	0	3	54	38	0.30		
Thurso ...	28.73	47	SSE	1	1	28.71	-.32	38	38	-12	SE	2	0	2	51	?	0.35		
Wick ...	28.75	50	S	2	1	28.72	-.30	44	41	-8	S	3	0	2	52	37	0.15		
Nairn ...	28.72	45	W	0	1	28.75	-.29	40	38	-12	SW	1	0	1	52	38	0.06		
Aberdeen ...	28.75	53	S	6	0	28.84	-.29	39	37	-13	SW	3	0	2	54	38	0.30		
Leith ...	28.78	50	SSW	4	1	28.85	-.31	43	41	-9	SW	3	0	*	54	39	0.33		
Shields ...	28.95	54	SSW	4	0	29.04	-.28	43	40	-12	SSW	3	0	2	55	40	0.02		
Scarborough ...	29.07	54	SSW	5	1	29.08	-.32	45	43	-8	SW	2	0	2	57	44	0.23		
York ...	29.07	53	S	3	1	29.07	-.34	43	42	-10	S	1	0	*	57	42	0.43		
Nottingham ...	29.17	54	S	6	1	29.18	-.32	45	44	-9	S	3	0	*	61	43	0.41		
Ardrossan ...	28.81	48	SW	3	0	28.84	-.32	48	45	-5	SW	5	1	5	53	43	0.71		
Greencastle ...	28.85	44	WSW	3	0	28.88	-.34	46	43	-3	WSW	3	0	*	54	39	0.42		
Donaghadee ...	28.91	45	WSW	4	0	28.93	-.28	43	42	-7	WSW	4	0	2	51	38	0.39		
Kingstown ...	29.02	48	W	3	0	29.06	-.26	46	43	-6	SW	3	0	4	56	45	0.25		
Holyhead ...	29.02	49	NNW	5	0	29.04	-.32	48	45	-5	SW	5	0	4	56	46	0.72		
Liverpool (Bidston) ...	28.97	53	S	6	1	29.08	-.30	45	43	-8	SW	2	0	3	56	44	0.18		
Valencia ...	29.16	48	W	3	0	29.20	-.11	50	46	-5	NW	4	0	4	57	44	0.76		
Roche's Point... ..	29.16	50	W	5	0	29.18	-.21	47	45	-7	W	4	0	4	58	44	0.28		
Pembroke ...	29.13	55	WSW	8	1	29.17	-.29	51	46	-3	W	7	0	4	56	47	0.60		
Portishead ...	29.28	54	SSW	4	1	29.22	-.30	48	46	-5	SW	4	0	4	60	45	0.53		
Seilly ...	29.36	56	SW	8	0	29.32	-.25	50	47	-6	W	6	0	6	57	48	0.40		
Plymouth ...	29.35	56	SW	5	0	29.28	-.30	48	47	-3	NNW	3	0	*	59	47	0.26		
Hurst Castle ...	29.46	59	WSW	5	0	29.24	-.31	53	49	-6	NNW	5	0	5	64	48	0.19		
Dover ...	29.37	59	WSW	3	0	29.24	-.32	50	49	-8	NNW	3	0	3	60	50	0.19		
London ...	29.32	59	SW	3	0	29.23	-.32	47	46	-9	S	2	0	*	66	47	0.23		
Oxford ...	29.27	56	SW	4	1	29.21	-.31	46	45	-8	S	1	0	*	60	45	0.22		
Cambridge ...	29.25	58	SW	2	0	29.20	-.35	46	46	-7	SW	1	0	*	63	45	0.30		
Yarmouth ...	29.30	58	SSW	4	0	29.18	-.40	48	48	-6	WSW	1	0	3	60	47	0.56		
The Helder ...	*	*	*	*	*	29.21	-.43	57	56	+6	SSW	4	0	*	*	*	0.08		
Cape Gris Nez ...	29.40	59	SW	4	0	29.25	-.34	57	57	+2	SW	6	1	5	61	54	0.16		
Jersey ...	29.48	58	W	4	0	29.36	-.17	51	51	-6	NW	4	0	4	63	50	0.39		
Brest ...	29.51	61	WSW	4	0	29.42	-.16	50	50	-9	NNW	4	1	4	61	48	0.20		
L'Orient ...	29.57	59	WSW	3	0	29.43	-.17	59	57	+4	W	6	0	7	64	54	0.12		
Rocheport ...	29.65	63	SW	2	0	29.61	-.04	63	61	0	SW	5	1	4	72	55	-		
Biarritz ...	29.70	68	SW	5	0	29.75	+0.08	59	55	-7	S	3	0	3	68	55	0.04		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Brussels ...	*	*	*	*	*	29.36	-.29	57	56	+4	SSW	6	1	*	62	56	0.08		
Charleville ...	*	*	*	*	*	29.45	-.26	57	*	+4	NW	3	1	*	*	*	*		
Paris ...	29.57	60	W	0	0	29.51	-.14	59	57	+3	SW	2	1	*	*	*	-		
Lyons ...	*	*	*	*	*	29.71	-.16	62	*	+8	S	4	1	*	*	*	*		
Toulon ...	29.84	68	SE	5	0	29.77	-.14	63	63	-1	W	4	1	4	66	61	0.20		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.34	53	50	SE	9	6	Valencia ...	29.17	51	50	W	5	5
Thurso ...	28.89	49	48	SSW	2	2	Seilly ...	29.43	56	55	WSW	7	6
Scarborough ...	29.21	56	53	SSW	4	4	London ...	29.37	64	60	S	2	*
Greencastle ...	28.91	47	46	WSW	3	*	Rocheport ...	29.66	66	63	W	4	3
Holyhead ...	29.13	54	53	SW	6	4							

Barometer is falling quickly over the whole of these Islands. The wind has increased to a moderate gale in the SW, but is moderate elsewhere.

Naullaghmore	28.92	48	NNW	6	0	28.97	-.20	49	48	0	NNW	6	1	5	50	41	0.49
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## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

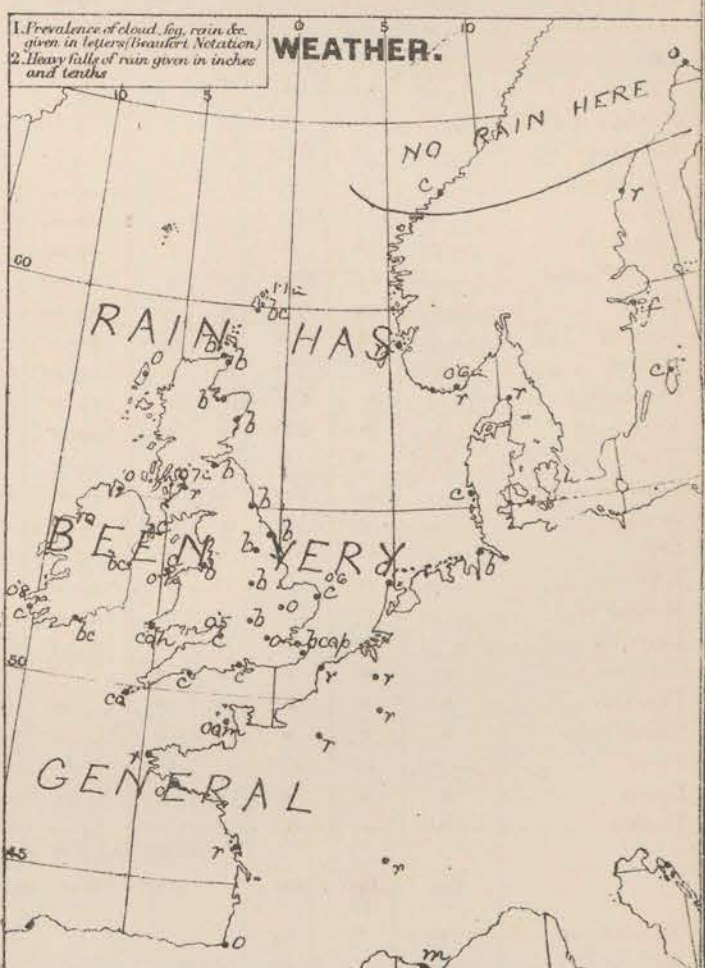
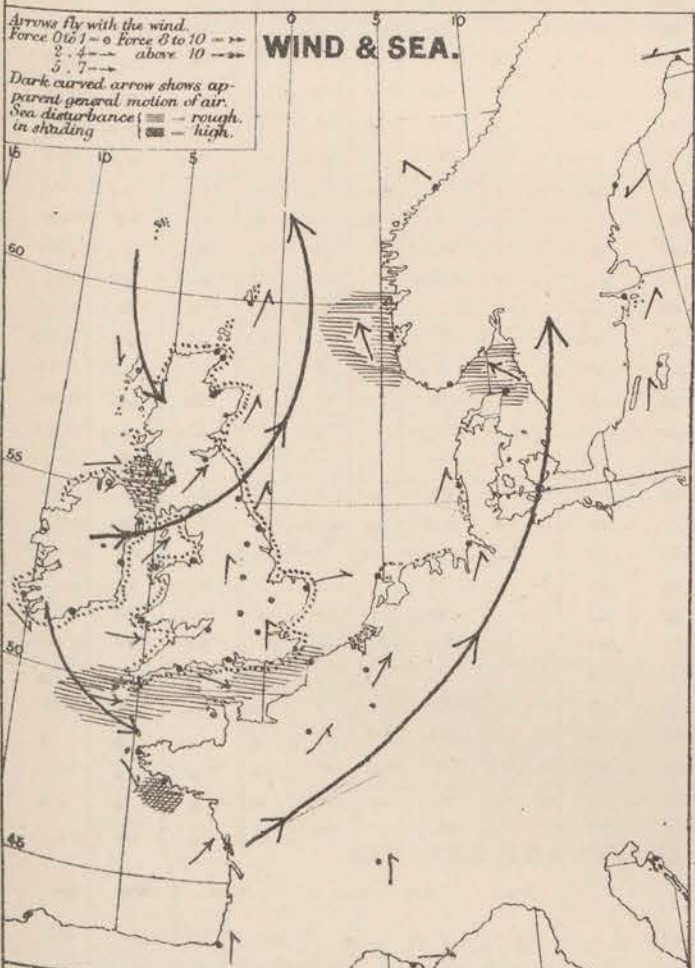
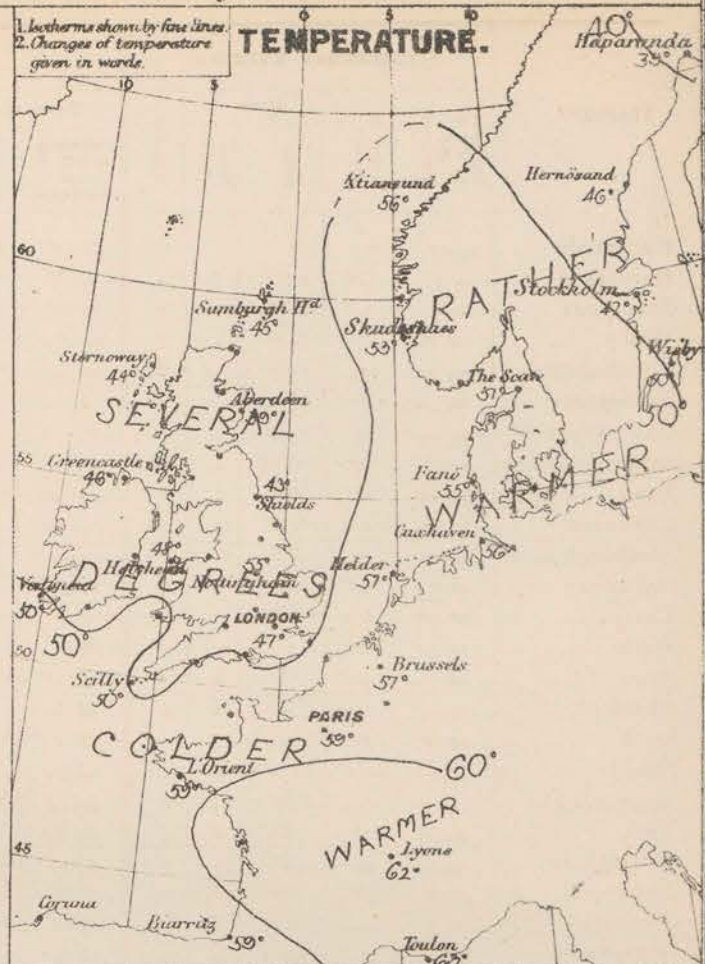
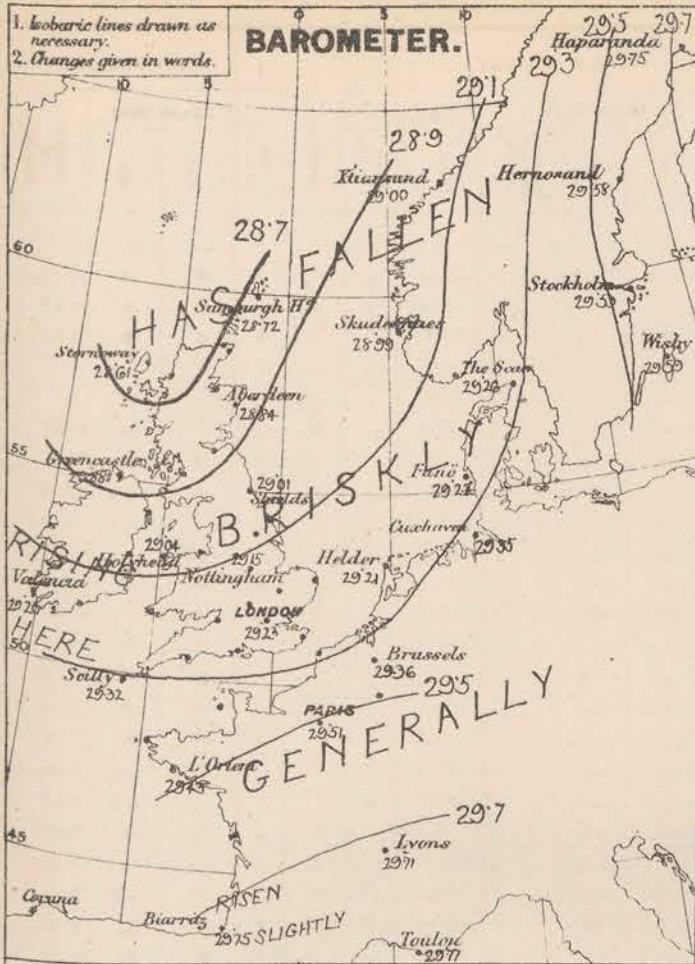
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.



# WEATHER CHARTS for 8 a.m. on Tues day 22<sup>ND</sup> OCT<sup>R</sup> 1878.



**REMARKS.** Weather is clear and bright in the east of Scotland and the north eastern and central parts of England, but is cloudy or overcast elsewhere; rain is reported from some of our north western stations, from the north western and central French stations, and from many parts of Scandinavia, while at Pembroke hail squalls are experienced. Rain has fallen generally, 1 in. being measured at Sumburgh H., 0.7 in. at Ardnamoan, Holyhead and Valentia, and more than 0.5 in. at Pembroke, Poldhu and Cambridge. Temperature has risen in the east of France and on the eastern shores of the North Sea, but decreased over the whole of those islands, the change in the north east exceeding 10°; readings at present vary from 53° at Hunt Castle to 38° at Tumpo. Wind is W to WNW in the west and south, but is SW to S at our eastern stations, and SE over Norway. It is moderate on most of our coasts, but blows strongly in the south west, where a gale was experienced yesterday or last night. In the Skagerrak a gale is now blowing. Sea is moderate to slight except in the Channel and off the west of Norway. Barometrical Indications. Pressure is in a very unsettled state; the depression which was advancing toward our north west coasts yesterday is slow over the north of Scotland, and the barometer has fallen since yesterday morning at all stations except Biscaya. A recovery appears now to be in progress in the west and north, but in the south west the rise has been exceedingly slight since last night. Hailings. The South Sea was hoisted in the south west, west and north yesterday morning and in the east and south east in the afternoon.



# DAILY WEATHER REPORT

OCT. 23<sup>RD</sup>

1878.

STATIONS.	↑ YESTERDAY EVENING.					3 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 320 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dirce.	Force. (0 to 12).		Reading at 320 F. and Sea Level.	Difference from 3 A.M. yesterday.	Dry.	Wet.	Inference from 3 A.M. yesterday.	Dirce.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.70	43	SE	2	0	29.68	-.07	44	44	+	5	S	2	f	*	45	36	-
Hernösand ...	29.59	46	S	2	0	29.52	-.06	48	48	+	2	ESE	6	r	*	*	*	0.28
Stockholm ...	29.47	52	SSE	4	r	29.41	-.12	54	53	+	7	SSE	4	r	*	*	*	0.43
Wisby ...	29.50	55	SSE	6	0	29.45	-.16	55	54	+	5	SSE	6	0	*	*	*	0.04
Christiansund ...	29.10	50	NNN	3	0	29.15	+.15	46	46	-	10	SE	1	c	3	57	41	0.04
Skudesnaes ...	29.12	50	SSE	6	0	29.17	+.18	50	48	-	3	SSE	4	c	4	54	50	-
Oxö (Ålansand) ...	29.18	53	SSE	4	0	29.17	+.04	46	45	-	8	NNN	2	0	2	54	45	0.04
Skagen (The Seaw) ...	29.25	55	S	4	r	29.17	-.09	50	49	-	1	NNN	3	r	4	55	46	0.43
Fanö ...	29.21	53	Z	0	0	29.28	+.06	51	48	-	4	SW	4	c	*	57	46	0.47
Cuxhaven ...	29.30	59	SSN	4	0	29.40	+.05	47	47	-	9	SW	3	0	*	?	43	0.08
Sumburgh Head ...	28.72	46	SSN	4	0	28.92	+.20	46	43	+	1	SSE	6	bc	5	50	42	0.19
Stornoway ...	28.76	43	NN	5	bc	28.76	+.15	45	45	+	1	SSN	5	c	4	48	40	0.52
Thurso ...	28.81	42	N	4	c	28.89	+.18	41	40	+	3	SSE	2	0	3	49	36	0.81
Wick ...	28.82	42	NN	2	bc	28.90	+.18	45	43	+	1	SSN	2	bc	1	50	40	-
Nairn ...	28.88	40	SW	1	bc	28.92	+.17	44	40	+	4	SW	3	c	1	51	39	0.01
Aberdeen ...	28.94	45	SSN	3	bc	29.00	+.16	42	41	+	3	SSN	2	bc	1	50	38	-
Leith ...	28.98	45	SSN	4	bc	29.05	+.20	44	42	+	1	SW	4	bc	*	53	41	-
Shields ...	29.12	50	N	2	bc	29.19	+.18	44	42	+	1	SW	3	on	1	52	40	-
Scarborough ...	29.15	45	SSN	2	bc	29.28	+.20	43	41	-	2	SSN	3	bc	2	52	41	0.02
York ...	29.17	47	N	1	bc	29.30	+.23	43	41	0		N	4	bc	*	54	40	0.06
Nottingham ...	29.24	45	SW	1	bc	29.40	+.25	43	41	-	2	SSN	3	bc	*	57	38	0.10
Ardrossan ...	29.02	46	SW	6	bc	29.08	+.24	48	45	0		SW	5	r	5	52	45	0.27
Greencastle ...	29.05	42	SSN	3	0	29.11	+.23	44	43	-	2	SW	3	0	*	50	40	0.42
Donaghadee ...	29.13	44	N	3	bc	29.20	+.27	42	40	-	1	N	5	bc	4	50	39	-
Kingstown ...	29.21	47	N	4	bc	29.34	+.28	45	41	-	1	N	5	bc	4	52	43	-
Holyhead ...	29.18	50	N	5	c	29.37	+.33	46	44	-	2	N	4	c	4	54	45	0.02
Liverpool (Bidston) ...	29.19	47	SSN	3	0	29.32	+.24	46	43	+	1	SSN	5	c	4	53	43	0.17
Valencia ...	29.43	45	N	5	cp	29.54	+.34	48	45	-	2	NNN	5	bc	5	53	43	0.25
Roche's Point ...	29.40	45	NNN	5	bc	29.51	+.33	45	42	-	2	N	4	bc	3	54	42	-
Pembroke ...	29.29	45	NNN	7	c	29.46	+.29	50	45	-	1	N	7	c	4	56	46	0.05
Portishead ...	29.28	50	SW	5	c	29.49	+.27	47	45	-	1	SSN	6	cp	5	53	43	0.43
Seilly ...	29.43	50	NNN	8	cp	29.65	+.33	52	48	+	2	NNN	8	cp	7	55	47	0.26
Plymouth ...	29.35	50	SW	3	0	29.60	+.32	45	44	-	3	SSN	2	on	*	56	44	0.19
Hurst Castle ...	29.41	51	N	4	cp	29.55	+.31	52	48	-	1	NNN	6	cp	5	57	46	0.04
Dover ...	29.39	50	NNN	3	bc	29.55	+.31	46	43	-	4	N	4	bc	3	54	42	0.05
London ...	29.31	51	SW	2	bc	29.52	+.29	46	43	-	1	SW	3	c	*	57	40	0.02
Oxford ...	29.28	48	N	2	r	29.50	+.29	44	42	-	2	SW	3	0	*	56	41	0.01
Cambridge ...	29.25	45	SW	1	bc	29.47	+.27	43	41	-	3	SW	1	0	*	59	38	-
Yarmouth ...	29.29	45	SW	1	bc	29.43	+.25	43	42	-	5	SW	3	bc	2	53	40	0.01
The Helder ...	*	*	*	*	*	29.39	+.18	51	48	-	6	SW	3	c	*	*	*	0.39
Cape Gris Nez ...	29.32	54	SSN	5	bc	29.57	+.32	52	48	-	5	N	6	bc	5	63	48	0.35
Jersey ...	29.44	53	N	7	c	29.70	+.34	50	48	-	1	N	6	cp	6	57	47	0.35
Brest ...	? 29.53	?	NNN	5	0	? 29.73	+.31	54	48	+	4	NNN	4	bc	5	57	46	0.08
L'Orient ...	29.61	54	NNN	6	r	29.81	+.38	50	48	-	9	NNN	6	r	7	61	46	0.24
Rochefort ...	29.71	63	NN	8	0	29.91	+.30	57	52	-	6	NNN	5	0	3	63	55	0.20
Biarritz ...	29.84	64	N	5	0	30.01	+.26	57	54	-	2	NNN	4	0	4	68	54	0.12
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Brussels ...	*	*	*	*	*	29.59	+.23	47	45	-	10	SSN	4	bc	*	61	46	0.43
Charleville ...	*	*	*	*	*	? 29.65	+.20	46	*	-	11	N	3	0	*	*	*	*
Paris ...	29.59	57	?	2	bc	29.84	+.33	47	45	-	12	N	1	bc	*	*	*	-
Lyons ...	*	*	*	*	*	29.96	+.25	59	*	-	3	SW	2	0	*	*	*	*
Toulon ...	29.81	61	N	4	bc	29.93	+.16	57	54	-	6	NN	5	bc	5	68	55	-

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

	Bar.	Dry.	Wet.	Wind	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.09	52	46	S	6	c	4	Valencia .....	29.35	50	45	NNN	5	bc gp	6
Thurso .....	28.69	45	44	N	4	bc	4	Scilly .....	29.36	53	51	NNN	7	og	7
Scarborough ...	29.12	47	46	NSN	2	n	2	London .....	29.27	55	50	NSN	3	c	*
Greencastle ...	29.00	49	43	NSN	3	b	*	Rochefort' ...	29.63	61	59	NNN	6	o	6
Holyhead .....	29.15	52	47	N	5	c	4								

Pressure has increased at all stations except Thurso since the morning, but the rise has slackened somewhat at Valerius since Noon. The wind is fresh to strong from NNN, in the SW, and has blown a hard gale from that quarter at Seilly during the morning.

Mullaghmore	29.12	43	N	7	0	29.22	+.25	46	46	-	3	N	8	0	6	50	42	0.33
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## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

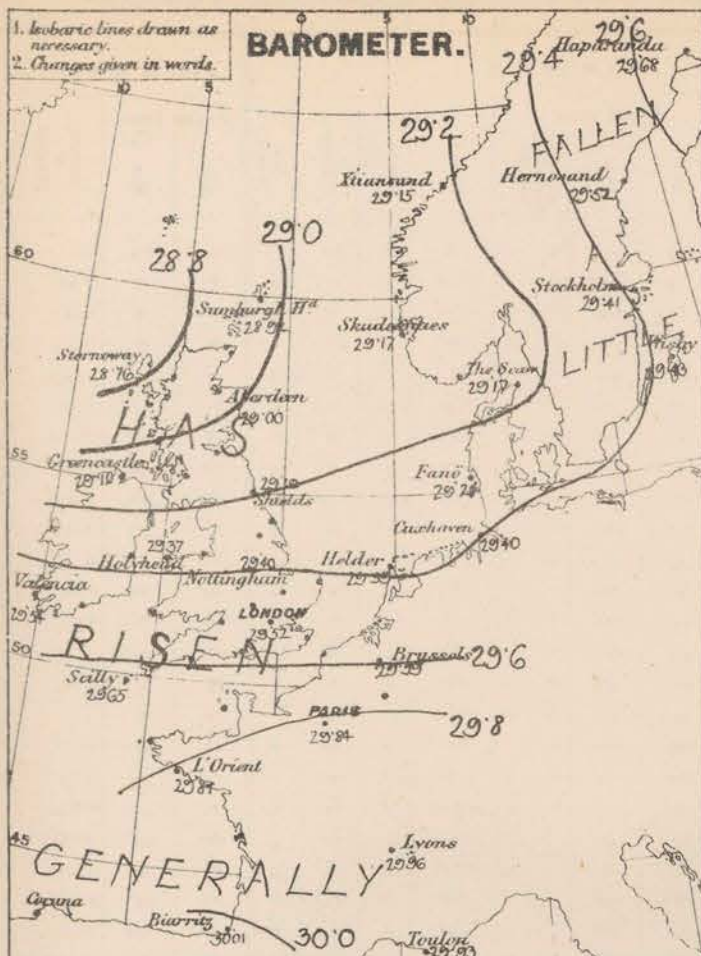
N.B.—The wind is said to "veer" when its direction changes with the sea, and to "back" when it shifts in the opposite direction.



# WEATHER CHARTS for 8 a.m. on Wednesday 23<sup>RD</sup> OCT<sup>R</sup> 1878.

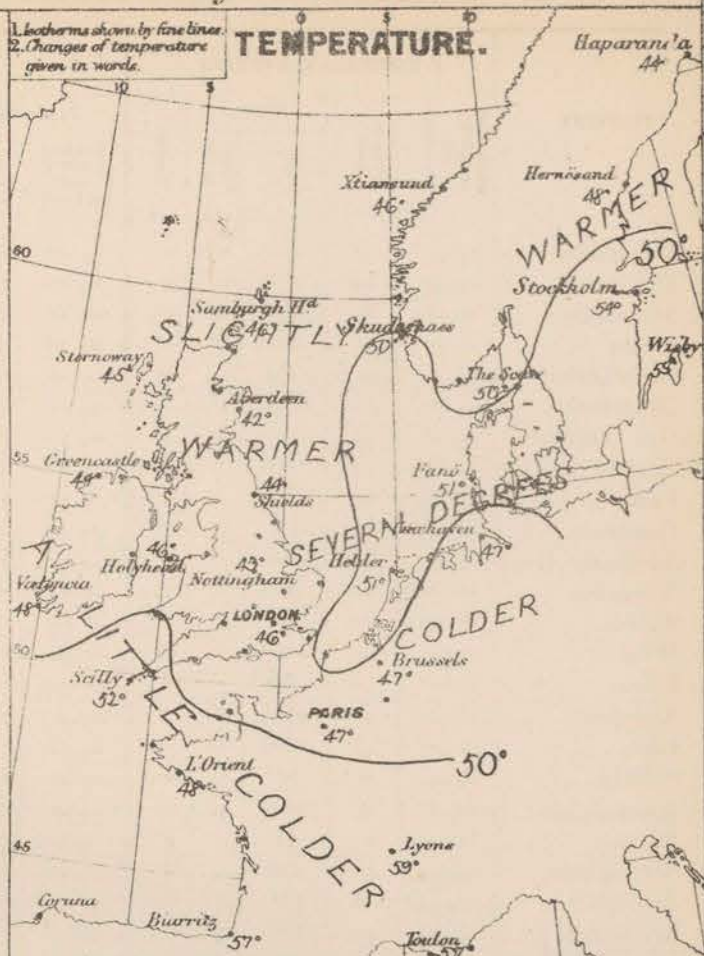
1. Isobaric lines drawn as necessary.
2. Changes given in words.

## BAROMETER.



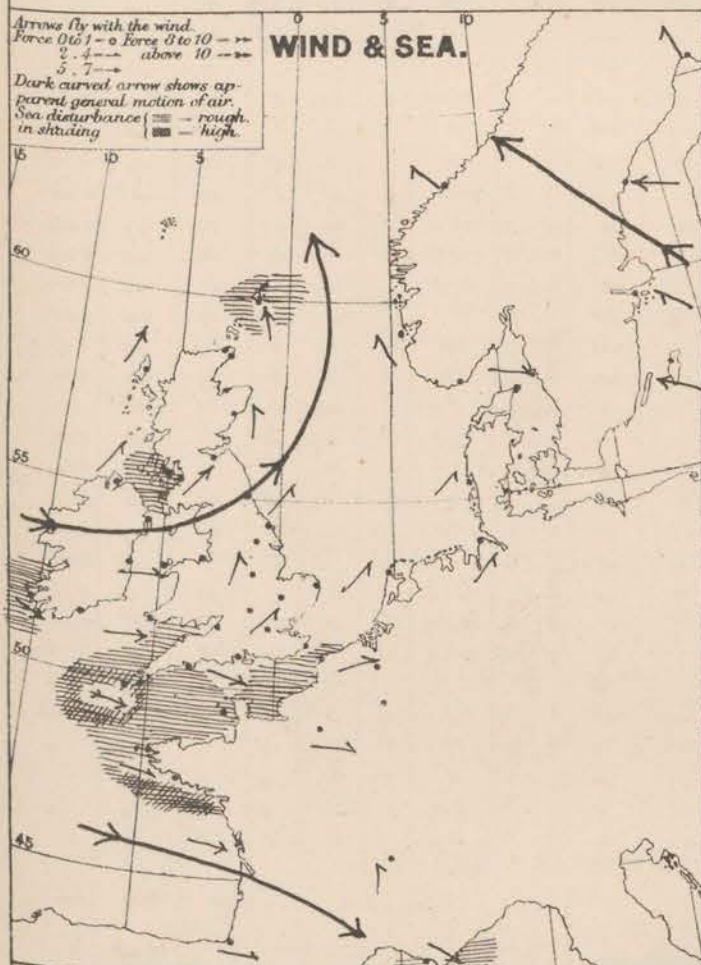
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

## TEMPERATURE.



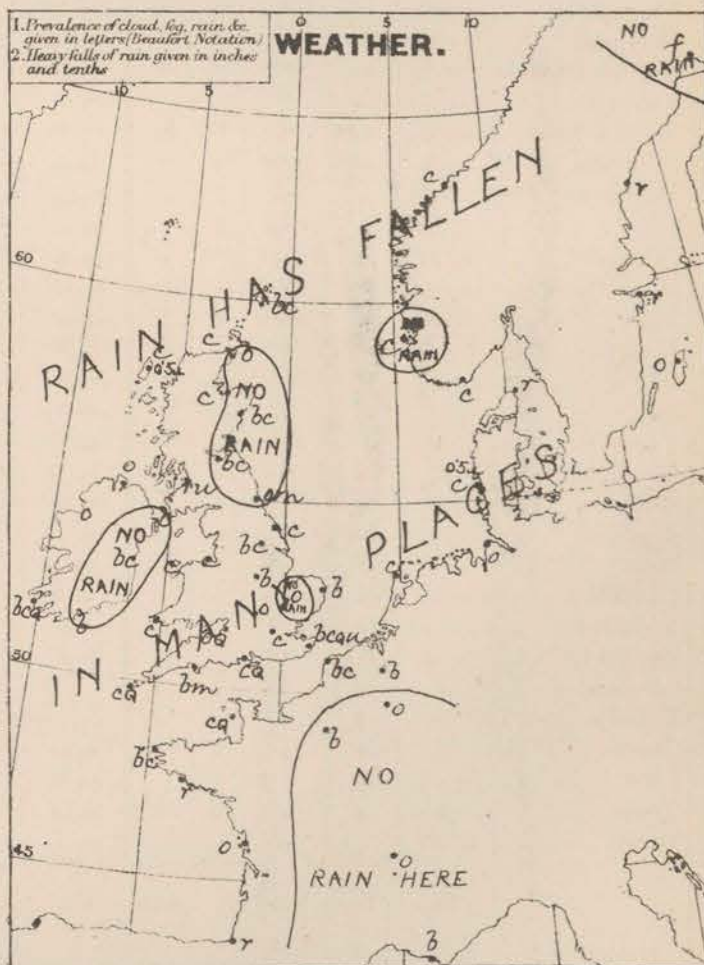
1. Arrows fly with the wind.
- Force 0 to 10 - - - - -
- Force 10 to 20 - - - - -
- Force 20 to 30 - - - - -
- Force 30 to 40 - - - - -
- Force 40 to 50 - - - - -
- Force 50 to 60 - - - - -
- Force 60 to 70 - - - - -
- Force 70 to 80 - - - - -
- Force 80 to 90 - - - - -
- Force 90 to 100 - - - - -
- Force 100 to 110 - - - - -
- Force 110 to 120 - - - - -
- Force 120 to 130 - - - - -
- Force 130 to 140 - - - - -
- Force 140 to 150 - - - - -
- Force 150 to 160 - - - - -
- Force 160 to 170 - - - - -
- Force 170 to 180 - - - - -
- Force 180 to 190 - - - - -
- Force 190 to 200 - - - - -
- Force 200 to 210 - - - - -
- Force 210 to 220 - - - - -
- Force 220 to 230 - - - - -
- Force 230 to 240 - - - - -
- Force 240 to 250 - - - - -
- Force 250 to 260 - - - - -
- Force 260 to 270 - - - - -
- Force 270 to 280 - - - - -
- Force 280 to 290 - - - - -
- Force 290 to 300 - - - - -
- Force 300 to 310 - - - - -
- Force 310 to 320 - - - - -
- Force 320 to 330 - - - - -
- Force 330 to 340 - - - - -
- Force 340 to 350 - - - - -
- Force 350 to 360 - - - - -
- Force 360 to 370 - - - - -
- Force 370 to 380 - - - - -
- Force 380 to 390 - - - - -
- Force 390 to 400 - - - - -
- Force 400 to 410 - - - - -
- Force 410 to 420 - - - - -
- Force 420 to 430 - - - - -
- Force 430 to 440 - - - - -
- Force 440 to 450 - - - - -
- Force 450 to 460 - - - - -
- Force 460 to 470 - - - - -
- Force 470 to 480 - - - - -
- Force 480 to 490 - - - - -
- Force 490 to 500 - - - - -
- Force 500 to 510 - - - - -
- Force 510 to 520 - - - - -
- Force 520 to 530 - - - - -
- Force 530 to 540 - - - - -
- Force 540 to 550 - - - - -
- Force 550 to 560 - - - - -
- Force 560 to 570 - - - - -
- Force 570 to 580 - - - - -
- Force 580 to 590 - - - - -
- Force 590 to 600 - - - - -
- Force 600 to 610 - - - - -
- Force 610 to 620 - - - - -
- Force 620 to 630 - - - - -
- Force 630 to 640 - - - - -
- Force 640 to 650 - - - - -
- Force 650 to 660 - - - - -
- Force 660 to 670 - - - - -
- Force 670 to 680 - - - - -
- Force 680 to 690 - - - - -
- Force 690 to 700 - - - - -
- Force 700 to 710 - - - - -
- Force 710 to 720 - - - - -
- Force 720 to 730 - - - - -
- Force 730 to 740 - - - - -
- Force 740 to 750 - - - - -
- Force 750 to 760 - - - - -
- Force 760 to 770 - - - - -
- Force 770 to 780 - - - - -
- Force 780 to 790 - - - - -
- Force 790 to 800 - - - - -
- Force 800 to 810 - - - - -
- Force 810 to 820 - - - - -
- Force 820 to 830 - - - - -
- Force 830 to 840 - - - - -
- Force 840 to 850 - - - - -
- Force 850 to 860 - - - - -
- Force 860 to 870 - - - - -
- Force 870 to 880 - - - - -
- Force 880 to 890 - - - - -
- Force 890 to 900 - - - - -
- Force 900 to 910 - - - - -
- Force 910 to 920 - - - - -
- Force 920 to 930 - - - - -
- Force 930 to 940 - - - - -
- Force 940 to 950 - - - - -
- Force 950 to 960 - - - - -
- Force 960 to 970 - - - - -
- Force 970 to 980 - - - - -
- Force 980 to 990 - - - - -
- Force 990 to 1000 - - - - -

## WIND & SEA.



1. Prevalence of cloud, fog, rain &c. given in letters (Beaufort Notation).
2. Heavy falls of rain given in inches and tenths.

## WEATHER.



**REMARKS.** Weather is moderately fine in the east of Ireland, the east of Great Britain and the north east of France, but is cloudy or dull elsewhere; rain is reported from Andover, Barmy and the Severn, mist from Plymouth, and squalls from most of our southern and south western stations. Rain has fallen very generally, about half an inch being measured at Farn, Stornoway, Newcastle and Portishead. Temperature has risen very slightly at our more northern stations, but fallen in all other districts - rapidly in the north-east of France, it reaches about 50° in the south and south west, but is very uniform between 40° and 45° elsewhere. Wind is from most of our own and the French coasts, but blows into S.W. and S. in the north and on the eastern shores of the North Sea; it is moderate to strong in force, and reaches a fresh gale at Mullaghmore and Lillie. At the mouth of the Channel a hard WNW gale was experienced during the night. Sea is high at Lillie, rough off the Shetlands, Valentia and in the Channel.

**Barometrical Indications.** Pressure has risen since yesterday in nearly all parts of Western Europe, but in the west the recovery has been very slight during the night, and the barometer is apparently becoming unsteady there again. Readings are highest over the Peninsula and lowest near the Hebrides. Gradients are rather steep in the north-west.

**Farnings.** The warning signals are now down on all our coasts.



# DAILY WEATHER REPORT

OCT. 24<sup>TH</sup>

1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										LAST 24 HOURS.			
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Direction. ORIGINAL.		
			Direc.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 32° F. yesterday.	Dry.	Wet.	Difference from 32° F. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.			
Haparanda ...	29.71	43	S	2	δ	29.72	+ 0.4	43	41	- 1	E	4	0	*	45	39	-		
Hernösand ...	29.47	49	ESE	8	0	29.41	- .11	48	48	0	SW	4	δ	*	*	*	0.59		
Stockholm ...	29.36	51	WSW	4	†	29.58	+ .17	42	42	- 12	SW	2	δ	*	*	*	0.35		
Wisby ...	29.44	51	N	8	0	29.63	+ .20	47	46	- 8	SW	6	δc	*	*	*	0.32		
Christiansund ...	29.19	45	SW	3	0	29.20	+ .05	43	40	- 3	E	3	δ	4	46	37	0.35		
Skudesnaes ...	29.23	50	SSW	6	0	29.20	+ .03	51	48	+ 1	SSE	8	0	6	52	50	0.08		
Oxö (Xtiansand)	29.32	50	S	6	0	29.35	+ .18	49	46	+ 3	SSE	6	†	3	50	46	0.08		
Skagen (The Skaw)	29.43	48	SSW	4	δ	29.48	+ .31	48	46	- 2	SSW	4	δ	4	54	43	0.08		
Fanö ...	29.49	48	WSW	2	δ	29.47	+ .19	47	46	- 4	WSW	4	part	*	55	43	0.59		
Cuxhaven ...	29.56	50	SW	4	0	29.61	+ .21	47	46	0	SW	3	δc	*	50	41	0.02		
Sumburgh Head	28.89	47	SSE	4	0	28.74	- .18	48	47	+ 2	SSE	5	0	5	51	45	0.19		
Stornoway	28.63	48	SW	6	†	28.92	+ .16	45	45	0	WN	2	0	4	48	43	0.90		
Thurso ...	28.50	46	SSW	4	0	28.87	- .02	48	47	+ 7	N	4	0	5	49	40	0.32		
Wick ...	28.78	48	S	5	0	28.87	- .03	46	45	+ 1	N	3	δc	1	50	43	0.02		
Nairn ...	28.85	44	WSW	6	†	28.97	+ .05	45	43	+ 1	WSW	2	δ	2	48	43	0.09		
Aberdeen ...	28.98	46	SSW	3	0	29.00	0.0	44	42	+ 2	SSW	3	δ	1	47	42	-		
Leith ...	29.08	46	SW	5	†	29.08	+ .03	45	43	+ 1	SW	5	0	*	48	43	0.18		
Shields ...	29.27	47	N	4	0	29.22	+ .03	47	45	+ 3	S	4	0	2	51	43	0.02		
Scarborough	29.38	45	SW	4	†	29.29	+ .01	45	44	+ 2	S	1	0	2	50	43	0.15		
York ...	29.38	49	N	3	0	29.29	- .01	46	45	+ 3	S	1	0	*	52	42	0.05		
Nottingham ...	29.50	50	SW	4	δ	29.28	- .12	47	46	+ 4	SSE	3	†	*	55	41	0.13		
Ardrossan ...	29.14	48	SW	7	†	29.11	+ .03	48	45	0	SW	4	†	4	50	46	1.05		
Greencastle ...	29.17	45	WSW	4	†	29.14	+ .03	44	42	0	SW	2	0	*	50	42	0.14		
Donaghadee ...	29.29	44	N	4	δc	29.19	- .01	42	40	0	N	4	δc	3	48	40	0.01		
Kingstown ...	29.42	48	N	4	δc	29.26	- .08	46	44	+ 1	E	1	0	3	50	44	0.01		
Holyhead ...	29.42	49	WSW	5	0	?	?	47	44	+ 1	N	1	mg	1	51	46	0.10		
Liverpool (Bidston)	29.42	48	WSW	4	0	29.25	- .07	46	45	0	S	1	†	1	51	46	0.02		
Valencia ...	29.58	52	N	4	0	29.35	- .19	45	43	- 3	WN	3	δc	3	55	44	0.34		
Roche's Point...	29.57	47	N	4	δc	29.32	- .19	46	44	+ 1	WNW	3	cp	3	54	43	0.30		
Pembroke ...	29.55	52	N	7	0	29.24	- .22	48	47	- 2	WNW	3	†	2	54	47	0.65		
Portishead ...	29.58	?	SW	5	δc	29.16	- .33	55	55	+ 8	S	4	†	4	55	44	0.83		
Scilly ...	29.72	55	N	8	0	29.24	- .31	57	56	+ 5	N	9	og	6	57	50	0.34		
Plymouth ...	29.68	50	WSW	3	δ	29.27	- .33	57	56	+ 12	SW	6	0	*	58	45	0.40		
Hurst Castle ...	29.65	54	WSW	6	δc	29.27	- .28	56	56	+ 4	SSW	8	tmw	7	56	48	0.22		
Dover ...	29.66	50	N	4	δ	29.50	- .05	54	53	+ 8	SW	7	ogp	5	55	44	0.10		
London ...	29.63	50	WSW	4	cp	29.34	- .18	52	51	+ 6	S	6	ogw	*	57	46	0.10		
Oxford ...	29.59	47	N	2	0	29.26	- .24	50	49	+ 6	S	3	†	*	54	43	0.19		
Cambridge ...	29.58	48	SW	2	0	29.38	- .09	48	48	+ 5	S	1	†	*	55	51	0.05		
Yarmouth ...	29.54	47	SW	2	δ	29.45	+ .02	50	49	+ 7	SSW	3	od	3	51	42	-		
The Helder ...	*	*	*	*	*	29.34	+ .15	53	49	+ 2	SW	2	0	*	*	*	0.04		
Cape Gris Nez	29.67	54	WSW	6	†	29.54	- .03	52	52	0	SSW	8	†	6	55	50	0.32		
Jersey ...	29.79	54	N	4	0	29.50	- .20	58	58	+ 8	SW	7	ogw	6	58	47	0.49		
Brest ...	? 29.84	57	WN	3	δc	? 29.48	- .15	59	57	+ 5	WSW	5	†	5	?	50	0.28		
L'Orient ...	29.91	54	N	5	†	29.67	- .14	59	59	+ 9	SW	6	†	7	61	46	0.63		
Rochefort ...	29.99	61	N	4	0	29.87	- .04	61	59	+ 4	SW	5	0	4	66	48	-		
Biarritz ...	30.08	63	N	3	†	30.07	0.0	57	54	0	S	1	δc	5	66	52	0.16		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Brussels ...	*	*	*	*	*	29.69	+ .10	49	47	+ 2	SSW	5	0	*	51	47	0.32		
Charleville ...	*	*	*	*	*	? 29.78	+ .13	49	*	+ 3	SSW	3	0	*	*	*	*		
Paris ...	29.89	57	?	3	δ	29.86	+ .02	52	50	+ 5	SW	4	0	*	*	*	-		
Lyons ...	*	*	*	*	*	30.06	+ .10	56	*	- 3	WN	2	δ	*	*	*	*		
Toulon ...	30.03	59	WN	5	0	30.04	+ .11	55	48	- 2	WN	5	δ	4	64	54	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes ...	29.22	51	46	S	0	†	Valencia .....	29.59	53	51	N	6	cgg p	6
Thurso .....	29.86	47	45	SSW	4	0	Scilly .....	29.71	52	51	N	8	cq	7
Scarborough ...	29.24	49	46	WSW	3	0	London .....	29.59	54	50	WSW	4	0	*
Greencastle ...	29.14	48	44	WSW	4	0	Rochefort ...	29.97	61	55	N	5	0	4
Holyhead ...	29.41	50	47	WSW	5	0								

Pressure is decreasing at Thuro, but increasing slowly in all other places. The wind is N<sup>W</sup> generally and blows a fresh gale at Scilly and strongly at Valencia. The S. cone has been hoisted in the SW. H. and N. this afternoon.

Mullaghmore	29.29	49	N	8	0	29.19	-0.03	47	45	+1	N	6	0	5	50	45	0.15
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## EXPLANATION OF COLUMNS.

**WEATHER.**--Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

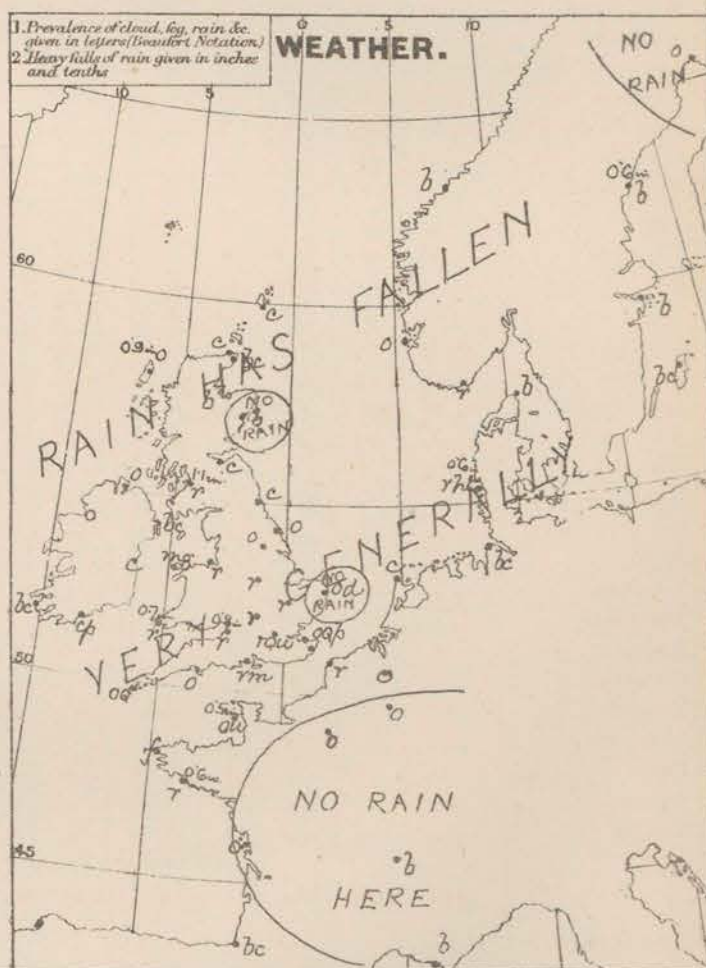
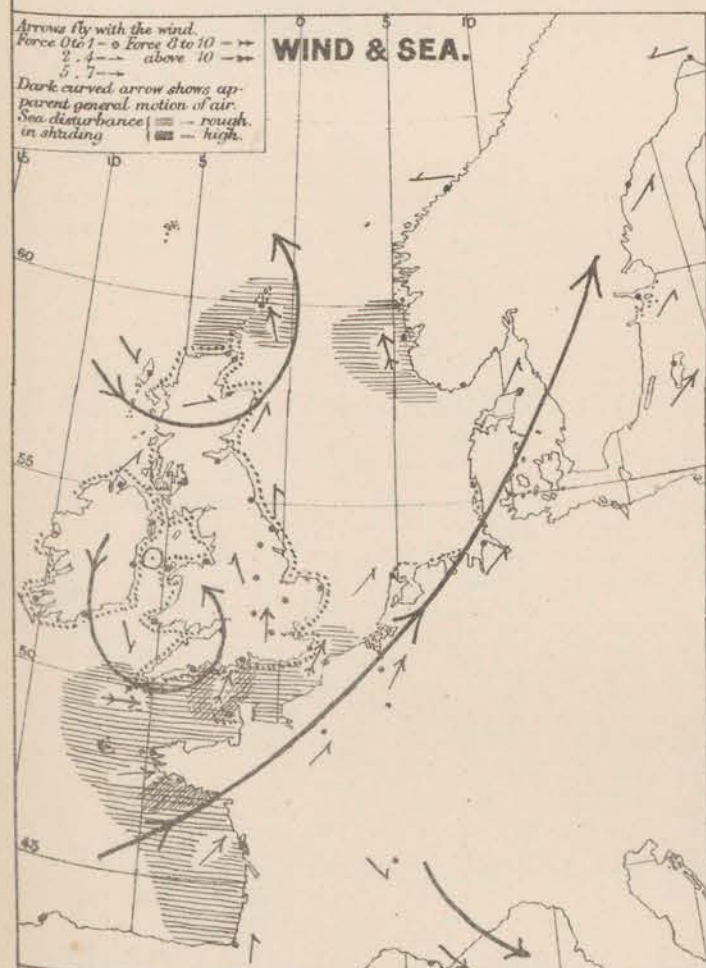
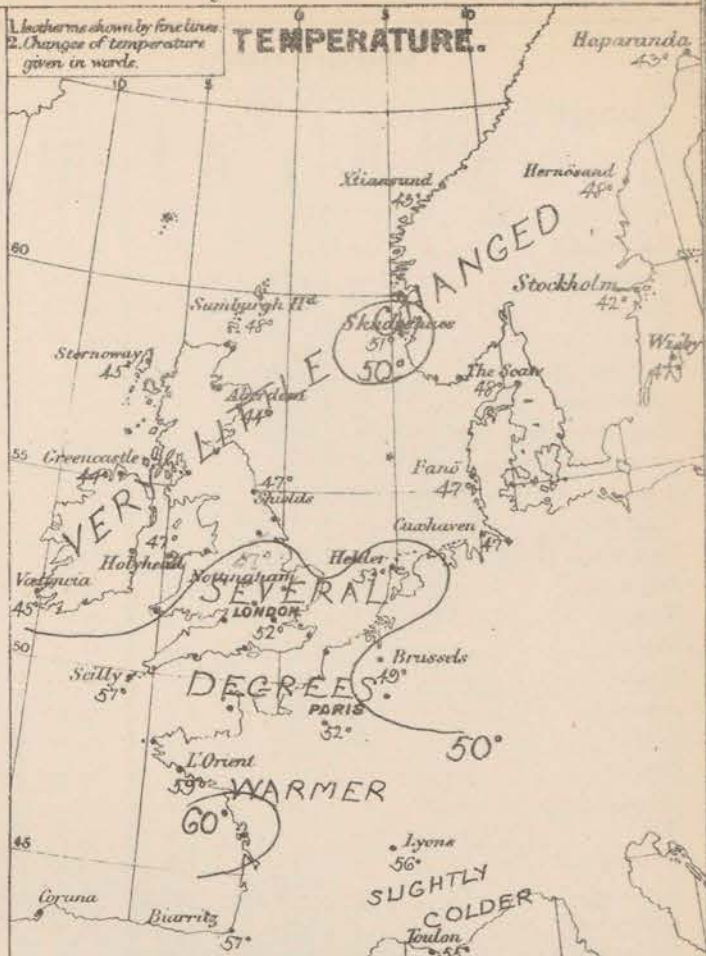
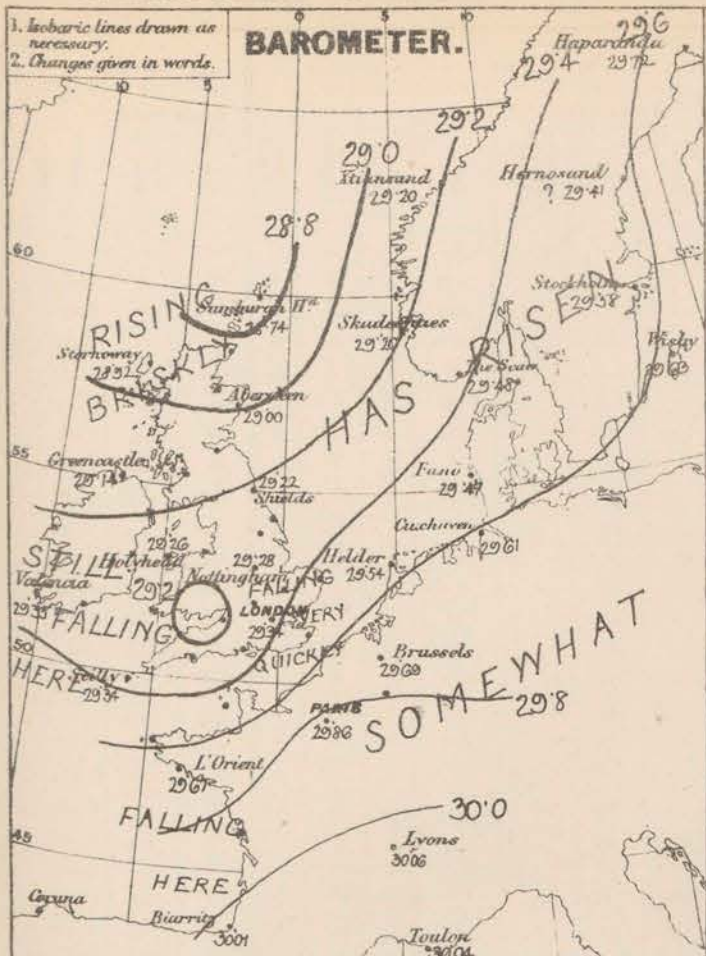
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.



**WEATHER CHARTS** for 8 a.m. on Thursday 24<sup>th</sup> OCT<sup>r</sup> 1878.



**REMARKS.** Weather is fair and bright in some parts of Scandinavia and in the south of France, but is cloudy, dull and very unsettled over nearly the whole of Western Europe. Rain is falling over the Clyde, the central and south eastern parts of England and at Cape Fin Ky, while mist and fog are reported from some stations. Rain has been general, 1 in. being measured at Adrossum, 0.9 in. at Stenouay, 0.8 in. at Porticien and 0.7 in. at Pombroke. Temperature has risen several degrees in the south and south east, but is not much changed elsewhere; it varies over these islands from 57° in the south west to 45° in the north east and 42° in the north west. Wind is W in the west, but draws into SW <sup>and S</sup> at our south eastern and eastern stations as well as over the North Sea. It blows a gale in the Channel and in the west of Norway, and is moderate to fresh in most other places, but in the north of England calms prevail. Sea is rough in the Channel and to the N. of Scotland, slight on our other coasts.

Barometrical Indications. Pressure has increased over Scandinavia, North Germany and the east of France, but has decreased over the greater part of Great Britain, though a slight recovery is reported in the north. The large depression recently noticed has to the N<sup>W</sup> of Scotland, while a small subsidiary disturbance is crossing over southern England.

Warnings. The South Cone is now up on all our coats.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand  $\frac{1}{2}$  per quarter, book post  $\frac{5}{8}$  per quarter.

Meteorological Office,  
116, Victoria Street, Westminster, S. W.

**R. H. SCOTT.**  
Secretary.



# DAILY WEATHER REPORT

Oct. 25<sup>th</sup>

1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda														*				
Hernösand														*	*	*		
Stockholm														*	*	*		
Wisby														*	*	*		
Christiansund	29.14	51	SE	3	bc	28.90	-.30	50	45	+ 7	E	4	c	4	52	37	-	
Skudesnaes	29.05	50	SSE	6	r	28.65	-.55	48	44	- 3	N	2	r	3	52	48	-	
Oxö (Ålansand)	29.15	51	SSE	8	o	28.55	-.80	49	48	0	SW	9	c	8	52	46	0.32	
Skagen (The Sæw)	29.26	51	S	9	o	28.85	-.63	49	47	+ 1	S	9	o	9	52	43	0.39	
Fanö	28.93	51	SW	8	c	29.07	-.40	49	48	+ 2	NNW	7	c	*	54	45	0.59	
Cuxhaven	29.37	51	S	8	r	29.28	-.33	47	47	0	SW	4	bc	*	52	45	0.37	
Sumburgh Head	28.85	49	SW	3	r	28.85	+ .11	44	41	- 4	NNW	3	bc	2	50	43	0.14	
Stornoway	28.95	45	NNW	2	bc	28.89	-.03	40	40	- 5	SSW	2	bc	2	49	38	0.15	
Thurso	28.92	43	SW	2	r	28.93	+ .06	41	40	- 7	WSW	2	bc	4	50	40	0.41	
Wick	28.92	42	W	2	bc	28.91	+ .04	37	36	- 9	W	1	b	0	52	35	0.15	
Nairn	28.96	45	L	0	b	28.97	.00	40	38	- 5	SW	1	b	1	50	40	0.03	
Aberdeen	28.95	48	WSW	1	c	28.95	-.05	41	40	- 3	W	1	b	1	50	38	-	
Leith	28.99	43	WSW	3	b	28.97	-.11	42	41	- 3	SW	2	bcw	*	47	40	0.04	
Shields	29.05	48	W	3	bc	29.03	-.19	43	42	- 4	SW	2	bc	2	49	41	-	
Scarborough	29.08	43	NNW	3	b	29.09	-.20	43	42	- 2	WSW	2	bc	2	47	41	0.29	
York	29.12	43	W	2	b	29.11	-.18	44	43	- 2	WSW	1	c	*	48	41	0.31	
Nottingham	29.23	43	SW	2	b	29.18	-.10	39	39	- 8	SSW	2	bcw	*	47	37	0.59	
Ardrossan	29.04	48	W	3	o	29.01	-.10	42	41	- 6	ESE	1	bc	1	51	42	0.44	
Greencastle	29.06	45	SW	2	o	29.07	-.07	44	42	0	WSW	2	o	*	51	40	0.31	
Donaghadee	29.10	45	W	4	bc	29.09	-.10	42	41	0	SSW	3	b	2	48	39	0.04	
Kingstown	29.19	48	WSW	3	bc	29.19	-.07	44	42	- 2	WSW	3	bc	3	50	43	-	
Holyhead	29.19	51	W	5	bcw	29.13	?	48	46	+ 1	NNW	3	c	4	52	47	0.12	
Liverpool (Hidston)	29.18	47	WSW	4	b	29.12	-.12	46	44	0	SW	3	bc	2	50	44	0.16	
Valencia	29.36	50	NNW	4	c	29.36	+ .01	48	46	+ 3	W	3	cp	3	54	44	0.19	
Roche's Point	29.35	48	W	4	bc	29.32	.00	46	43	0	W	4	bcw	3	53	44	0.08	
Pembroke	29.31	52	W	6	c	29.24	.00	50	46	+ 2	NNW	4	bc	3	53	46	0.31	
Portishead	29.32	50	SSW	6	bc	29.22	+ .06	46	45	- 9	SW	4	bc	4	57	42	0.69	
Scilly	29.48	53	W	8	cp	29.36	+ .02	51	49	- 6	NNW	6	cp	6	57	49	0.29	
Plymouth	29.43	49	WSW	3	b	29.30	+ .03	47	46	- 10	NNW	3	b	*	58	46	0.25	
Hurst Castle	29.43	50	NNW	5	cp	29.26	-.01	50	48	- 6	NNW	4	c	5	59	48	0.09	
Dover	29.35	48	W	6	bc	29.25	-.25	50	48	- 4	W	3	ogw	3	63	46	0.45	
London	29.34	49	NNW	4	b	29.26	-.08	45	44	- 7	WSW	2	c	*	59	44	0.18	
Oxford	29.31	45	W	2	b	29.22	-.04	43	42	- 7	W	0	b	*	57	39	0.32	
Cambridge	29.30	43	SW	2	b	29.20	-.18	42	?	- 6	SW	1	b	*	56	40	?	
Yarmouth	29.21	44	WSW	5	bcw	29.20	-.25	43	43	- 7	WSW	2	bcw	2	57	41	0.43	
The Helder	*	*	*	*	*	29.20	-.34	51	49	- 2	SW	4	r	*	*	*	0.43	
Cape Gris Nez	29.39	54	WSW	7	c	29.29	-.25	46	46	- 6	SW	3	r	3	57	46	0.71	
Jersey	29.32	54	W	6	o	29.35	-.15	50	49	- 8	WSW	6	rw	6	61	48	0.44	
Brest	29.62	57	NNW	4	o	29.39	-.19	52	48	- 7	NNW	4	o	5	59	48	0.28	
L'Orient	29.64	55	NNW	5	r	29.46	-.21	50	48	- 9	NNW	4	r	5	61	46	1.26	
Rochefort	29.75	61	SW	8	o	29.57	-.36	63	59	+ 2	SW	7	o	7	72	52	0.55	
Biarritz	29.92	64	L	0	b	29.66	-.35	64	55	+ 7	S	6	c	4	70	54	-	
Corunna	*	*	*	*	*									*	*	*	*	
Brussels	*	*	*	*	*	29.34	-.35	48	47	- 1	SSW	3	r	*	57	46	0.35	
Charleville	*	*	*	*	*	29.32	-.46	48	*	- 1	S	1	r	*	*	*	*	
Paris	29.61	56	r	3	r	29.37	-.49	48	48	- 4	N	2	r	*	*	*	?	
Lyons	*	*	*	*	*	29.72	-.24	63	*	+ 7	S	4	o	*	*	*	*	
Toulon	30.04	59	SW	1	b	29.91	-.13	63	61	+ 8	SW	5	bc	4	64	55	0.16	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.18	49	46	SSE	8	r	5	Valencia .....	29.35	51	49	W	5	cp	5
Thurso .....	28.92	50	48	W	2	bc	4	Scilly .....	29.45	54	48	NNW	9	cp	7
Scarborough ...	29.05	44	44	NTW	2	r	2	London .....	29.22	52	44	NNW	6	og	*
Greencastle ...	29.08	48	46	SW	2	o	*	Rochefort ...	29.79	61	59	SW	7	o	7
Holyhead .....	29.21	51	46	W	5	c	4								

Pressure is at present increasing quickly in the E. and the small depression has travelled away over the North Sea; in the N., however, a fresh decrease has set in during the morning and the wind has backed in Ireland.

## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; i. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

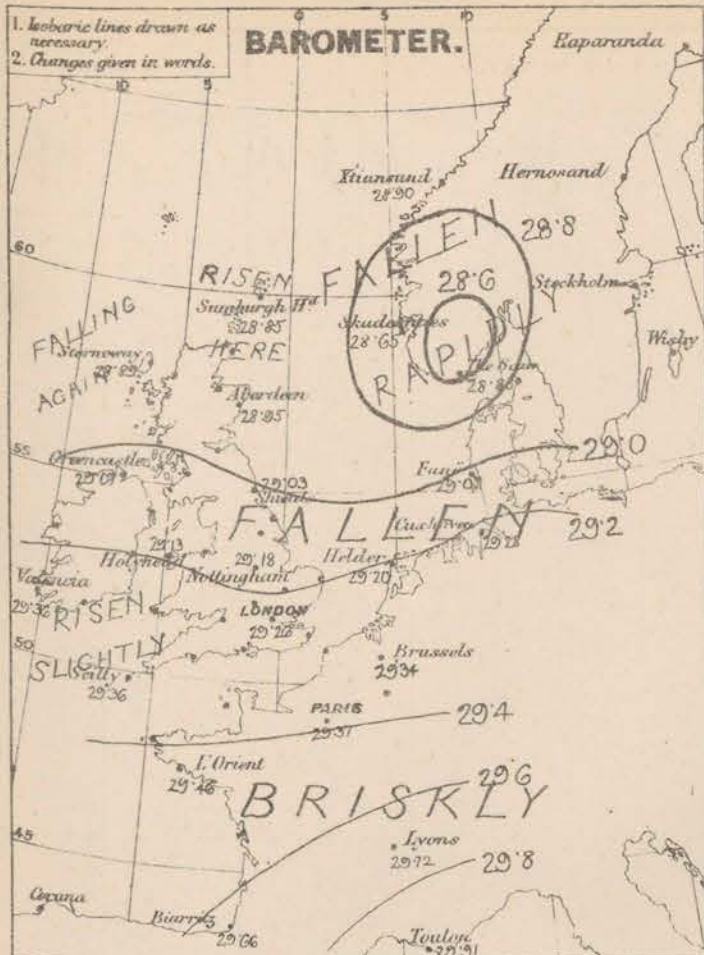
N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.



# WEATHER CHARTS for 8 a.m. on Friday 25<sup>th</sup> OCT 1878.

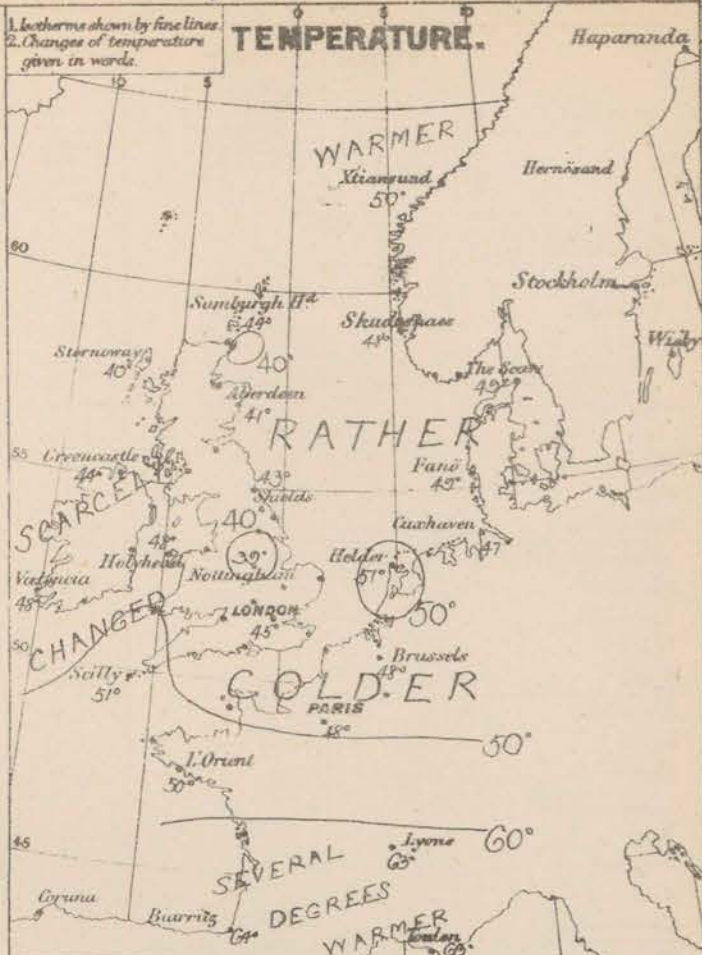
1. Isobaric lines drawn as necessary.
2. Changes given in words.

## BAROMETER.



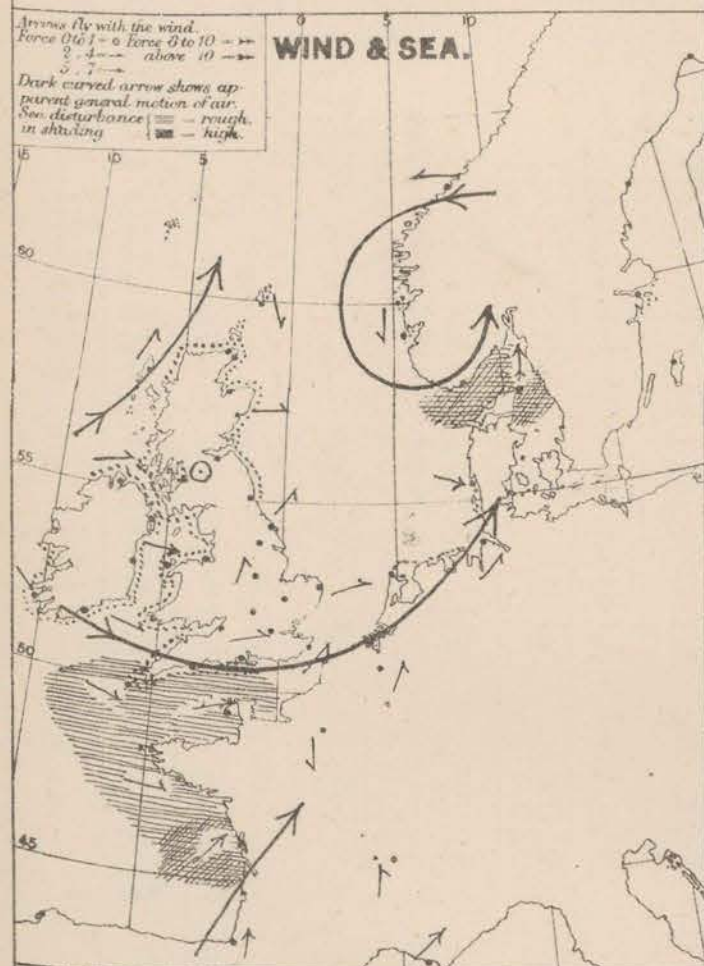
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

## TEMPERATURE.



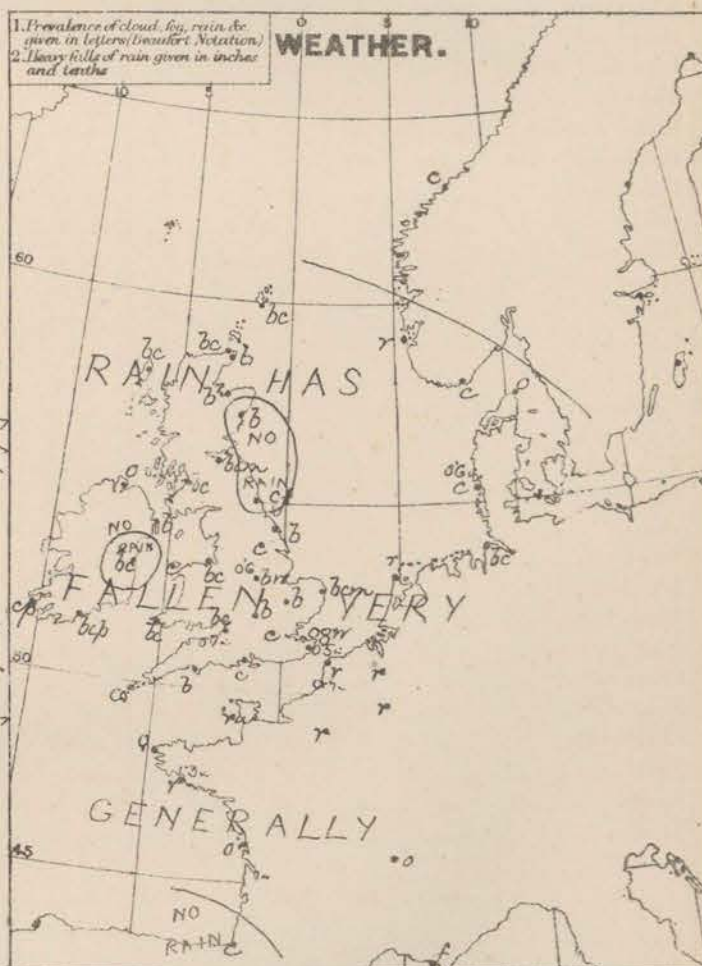
1. Arrows fly with the wind. Force 0 to 10 - Force 10 to 20 - Force 20 to 30 - Force 30 to 40 - Force 40 to 50 - Force 50 to 60 - Force 60 to 70 - Force 70 to 80 - Force 80 to 90 - Force 90 to 100 - Force 100 to 110 - Force 110 to 120 - Force 120 to 130 - Force 130 to 140 - Force 140 to 150 - Force 150 to 160 - Force 160 to 170 - Force 170 to 180 - Force 180 to 190 - Force 190 to 200 - Force 200 to 210 - Force 210 to 220 - Force 220 to 230 - Force 230 to 240 - Force 240 to 250 - Force 250 to 260 - Force 260 to 270 - Force 270 to 280 - Force 280 to 290 - Force 290 to 300 - Force 300 to 310 - Force 310 to 320 - Force 320 to 330 - Force 330 to 340 - Force 340 to 350 - Force 350 to 360 - Force 360 to 370 - Force 370 to 380 - Force 380 to 390 - Force 390 to 400 - Force 400 to 410 - Force 410 to 420 - Force 420 to 430 - Force 430 to 440 - Force 440 to 450 - Force 450 to 460 - Force 460 to 470 - Force 470 to 480 - Force 480 to 490 - Force 490 to 500 - Force 500 to 510 - Force 510 to 520 - Force 520 to 530 - Force 530 to 540 - Force 540 to 550 - Force 550 to 560 - Force 560 to 570 - Force 570 to 580 - Force 580 to 590 - Force 590 to 600 - Force 600 to 610 - Force 610 to 620 - Force 620 to 630 - Force 630 to 640 - Force 640 to 650 - Force 650 to 660 - Force 660 to 670 - Force 670 to 680 - Force 680 to 690 - Force 690 to 700 - Force 700 to 710 - Force 710 to 720 - Force 720 to 730 - Force 730 to 740 - Force 740 to 750 - Force 750 to 760 - Force 760 to 770 - Force 770 to 780 - Force 780 to 790 - Force 790 to 800 - Force 800 to 810 - Force 810 to 820 - Force 820 to 830 - Force 830 to 840 - Force 840 to 850 - Force 850 to 860 - Force 860 to 870 - Force 870 to 880 - Force 880 to 890 - Force 890 to 900 - Force 900 to 910 - Force 910 to 920 - Force 920 to 930 - Force 930 to 940 - Force 940 to 950 - Force 950 to 960 - Force 960 to 970 - Force 970 to 980 - Force 980 to 990 - Force 990 to 1000.
2. Dark curved arrow shows apparent general motion of air. Sea disturbance: rough in shading, high in solid.

## WIND & SEA.



1. Prevalence of cloud, fog, rain, &c. given in letters (abbreviation notation).
2. Heavy falls of rain given in inches and tenths.

## WEATHER.



Note: A dotted line is drawn round these coasts on which the morning signals are still flying.

## REMARKS.

Weather is moderately fine over nearly the whole of these Islands but is becoming more cloudy in the west, and heavy in the south-west. On the Continent the sky is cloudy or overcast, and in the north of France, Belgium and Holland heavy rain is falling. Rain fell almost everywhere yesterday, half an inch or more being measured at many of the south of England stations. Temperature has not changed much in Ireland, but has fallen several degrees in nearly all other places. It varies over these Islands from 51° at Lill to 39° at Nottingham and 37° at Wick. During the past night the thermometers in the shade fell to 30° at Oxford, to 37° at Nottingham and to 33° at Wick. Wind is moderate to fresh from W. to WNW on most of our coasts, but is backing to S. in the west of Scotland; in the south-west of France a strong S. to SW wind is reported, and in the English Channel a hard S. gale. Sea is rough in the Bay of Biscay and Channel, and very high off the Law, moderate to slight elsewhere. Barometrical Indications. The mercury is falling in nearly all parts of Western Europe, and the distribution of pressure over our area is very irregular. A deep depression (28.55 in.) lies over the south of Norway, a second is apparently approaching the west coast of Scotland and a third advancing over the Bay of Biscay. Barometrical indications are less steep than of late. Mornings. The Bull Cove is still up on our south-west, west, north and north-east coasts.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 1/6 per quarter, book post 5/- per quarter.

Meteorological Office,  
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.  
Secretary.



# DAILY WEATHER REPORT

OCT 26<sup>TH</sup> 1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12).			Max.	Min.			
Haparanda ...	29.37	43	S	2	0	29.28	-.12	44	44	-	2	N	0	0	*	46	39	0.20	
Hernösand ...	29.22	46	ESE	6	0	29.12	-.31	44	43	+	5	S	2	0	*	*	*	0.16	
Stockholm ...	29.26	48	SW	4	0	29.28	+.02	43	43	-	5	SW	4	0	*	*	*	0.32	
Wisby ...	29.28	51	SW	8	1	29.36	+.04	48	46	-	1	SW	6	0	*	*	*	0.47	
Christiansund ...	28.71	48	ESE	5	0	28.88	-.02	47	45	-	3	SW	5	0	3	52	41	0.08	
Skudesnaes ...	28.89	47	N	4	1	29.13	+.48	46	44	-	2	SW	2	0	3	48	?	0.04	
Oxö (Xtiansand)	28.97	50	SW	6	0	29.20	+.65	42	42	-	7	NW	2	0	2	50	41	0.04	
Skagen (The Seaw)	29.05	47	SW	7	0	29.24	+.39	46	44	-	3	SW	4	0	5	52	41	0.28	
Fanö ...	29.17	46	SW	2	0	29.29	+.22	49	48	0		S	4	0	*	52	45	0.28	
Cuxhaven ...	29.24	50	SW	3	0	29.39	+.11	44	44	-	3	SW	3	0	*	50	43	0.04	
Sumburgh Head	28.90	43	N	1	0	29.10	+.25	44	43	0		N	1	0	1	46	40	-	
Stornoway	28.84	44	Z	0	0	29.15	+.26	42	40	+	2	NNW	2	0	3	46	38	0.04	
Thurso ...	28.92	39	SW	1	0	29.15	+.22	38	38	-	3	Z	0	0	3	52	37	-	
Wick ...	28.93	45	NN	2	0	29.14	+.23	38	36	+	1	N	1	0	0	53	35	-	
Nairn ...	28.90	42	Z	0	0	29.13	+.16	39	37	-	1	NE	2	0	3	46	36	0.01	
Aberdeen ...	28.91	45	SW	1	0	29.10	+.15	35	34	-	6	NN	1	1	1	49	33	0.09	
Leith ...	28.94	43	SW	3	1	29.05	+.08	38	38	-	4	Z	0	0	*	49	37	0.03	
Shields ...	29.03	46	N	2	1	29.07	+.04	40	37	-	3	NNN	1	0	2	51	37	0.01	
Scarborough	29.08	45	SW	2	0	29.06	-.03	40	40	-	3	NNN	1	1	2	50	40	0.02	
York ...	29.09	47	SW	3	0	29.06	-.05	39	39	-	5	E	1	1	*	49	37	-	
Nottingham ...	29.18	43	SW	2	0	29.02	-.16	44	44	+	5	N	1	1	*	55	38	0.17	
Ardrossan ...	28.94	44	SW	1	1	29.05	+.04	42	41	0		NE	2	0	2	49	42	0.55	
Greencastle ...	28.95	44	SW	2	1	29.01	-.06	45	44	+	1	NNE	2	0	*	47	40	0.27	
Donaghadee ...	29.00	42	NNN	2	0	29.02	-.07	39	39	-	3	NNN	1	0	0	46	38	0.03	
Kingstown ...	29.08	46	SW	3	0	29.07	-.12	42	40	-	2	NNN	4	0	4	50	41	-	
Holyhead ...	29.07	47	SW	4	0	29.04	-.09	47	44	-	1	NN	2	0	2	52	44	0.03	
Liverpool (Bidston)	29.09	45	SW	1	0	29.03	-.10	42	41	-	4	ESE	1	1	1	52	40	0.06	
Valencia ...	29.11	48	SW	4	1	29.24	-.12	49	46	+	1	NN	3	0	3	51	44	0.59	
Roche's Point...	29.16	47	SW	4	0	29.19	-.13	44	41	-	2	NN	3	0	3	52	43	0.07	
Pembroke ...	29.16	48	SW	7	0	29.04	-.20	46	45	-	4	NNN	2	0	3	53	45	0.22	
Portishead ...	29.23	48	SW	6	0	28.98	-.24	47	46	+	1	SW	3	0	4	54	44	0.37	
Seilly ...	29.36	51	NNN	9	1	29.14	-.22	51	48	0		NN	8	0	7	58	48	0.93	
Plymouth ...	29.31	50	SW	4	0	29.06	-.24	48	47	+	1	NN	4	0	*	57	46	0.70	
Hurst Castle ...	29.29	52	NNN	4	0	29.03	-.23	51	50	+	1	N	6	0	7	56	48	0.65	
Dover ...	29.29	49	N	3	0	29.10	-.15	53	51	+	3	SW	8	0	6	54	47	0.37	
London ...	29.27	49	SW	2	0	29.06	-.20	49	48	+	4	SW	2	1	*	56	44	0.18	
Oxford ...	29.24	45	SW	1	0	29.01	-.21	47	46	+	4	S	2	0	*	55	42	0.05	
Cambridge ...	29.22	45	SW	1	0	29.02	-.18	47	47	+	5	SW	1	0	*	55	41	0.11	
Yarmouth ...	29.20	48	SW	2	0	29.07	-.13	47	47	+	4	S	2	0	2	51	42	0.12	
The Helder ...	*	*	*	*	*	29.24	+.04	46	45	-	5	SSE	2	0	*	*	*	0.16	
Cape Gris Nez	29.34	54	N	4	0	29.14	-.15	52	50	+	6	SW	8	1	7	55	45	0.67	
Jersey ...	29.43	52	N	6	0	29.14	-.21	52	48	+	2	SW	9	0	7	55	48	0.39	
Brest ...	29.48	55	NN	5	0	29.23	-.16	52	48	0		N	6	0	6	55	48	0.24	
L'Orient ...	29.58	54	NNN	5	0	29.34	-.12	54	50	+	4	N	7	0	7	57	46	0.20	
Rochefort ...	29.68	59	NNN	6	1	29.56	+.05	57	55	-	6	SW	10	1	7	72	52	0.28	
Biarritz ...	29.84	63	SW	6	0	29.72	+.06	54	50	-	10	SW	2	0	4	66	50	0.20	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Brussels ...	*	*	*	*	*	29.36	+.02	47	46	-	1	S	6	1	*	49	45	0.28	
Charleville ...	*	*	*	*	*	29.47	+.15	50	*	+	2	S	3	1	*	*	*	*	
Paris ...	29.56	50	?	?	0	29.48	+.11	51	49	+	3	SW	4	0	*	*	*	?	
Lyons ...	*	*	*	*	*	29.79	+.07	57	*	-	6	SE	2	0	*	*	*	*	
Toulon ...	29.74	63	S	5	0	29.54	-.07	54	48	-	9	NN	4	0	4	64	52	-	

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

	Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.		
Skudesnaes ...	28.82	47	?	N	4	rf	4	Valencia .....	29.25	49	47	NNN	4	r	5
Thurso .....	28.90	47	45	SW	1	0	4	Seilly .....	29.40	54	49	NNN	8	cg	6
Scarborough ...	29.06	48	46	WSW	2	c	2	London .....	29.24	54	48	WSW	3	bc	*
Greencastle ...	28.98	45	43	SW	2	0	*	Rochefort ...	29.60	59	52	NN	6	bc	7
Holyhead .....	29.13	50	47	WSW	4	c	3								

The barometer is again falling in the N. and N., but rising at Seilly, and the wind shows a tendency to back both in Ireland and Scotland, while on our SW. coast it has again freshened to a gale from the NW.

Mullaghmore	29.00	44	N	5	0	29.09	-.04	48	47	0	N	5	0	4	49	43	0.25
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## EXPLANATION OF COLUMNS

**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

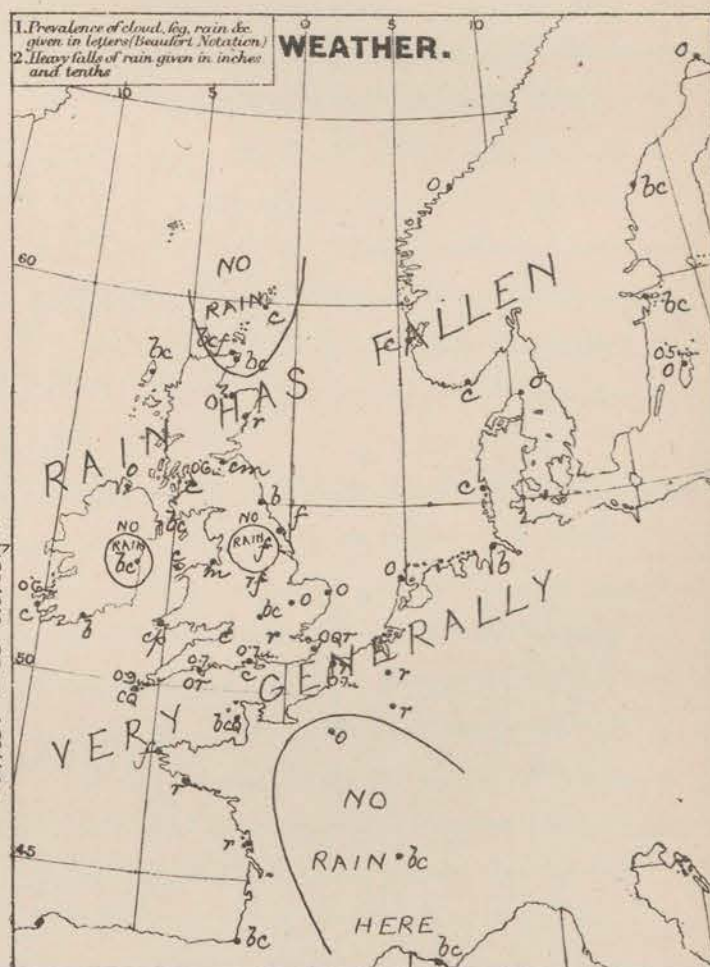
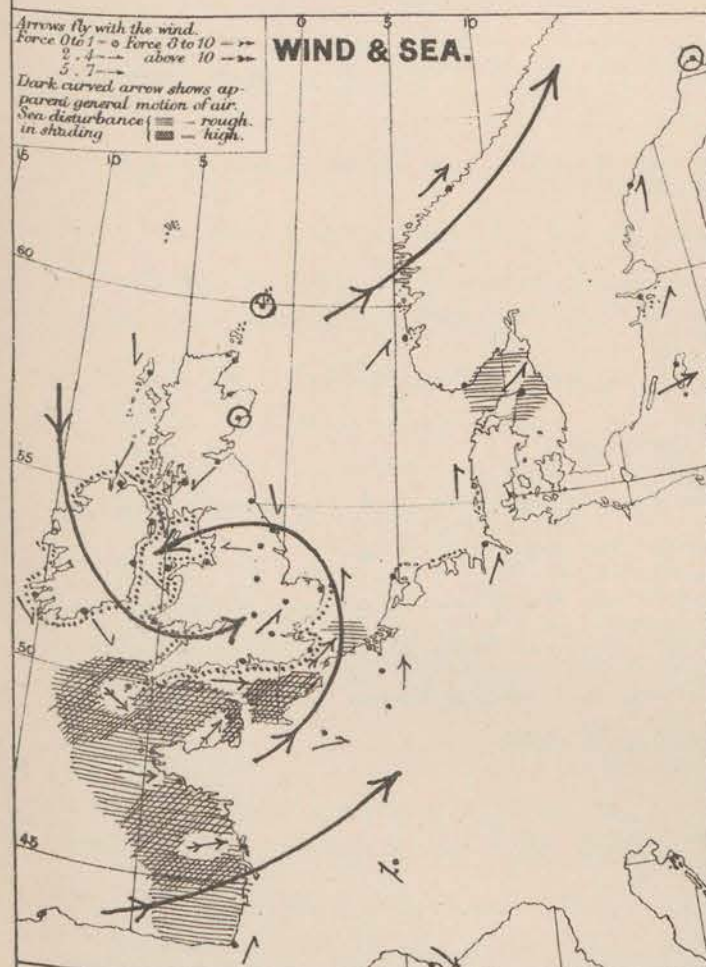
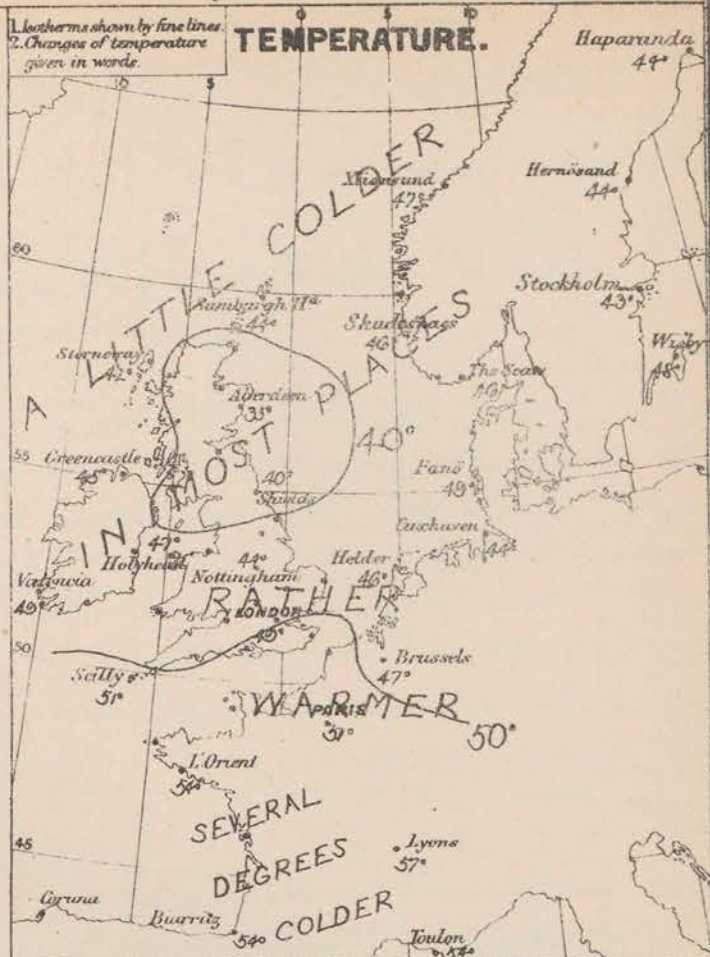
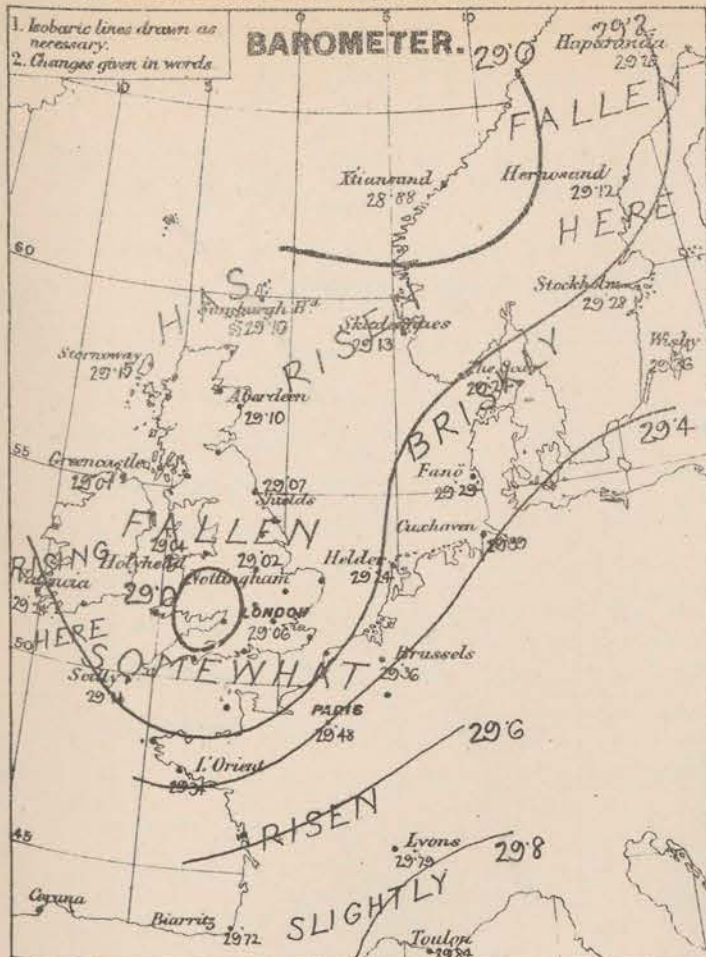
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.



WEATHER CHARTS for 8 a.m. on Saturday 26<sup>TH</sup> OCT. 1878.



Note A dotted line is drawn round those coats which were worn last evening.

**REMARKS.** Weather is moderately fine in the north of Scotland, at some of the Irish stations and in the south of France but is overcast every where in nearly all other places; rain is falling in London, at Nottingham, over the Straits of Dover and in the west and north east of France; a good deal of fog is reported from the north of England. Rain has fallen generally, the largest amounts being 0.9 in. at Lilly and 0.7 in. at Plymouth, White Castle and Cape Gris Nez; a sharp shower of hail occurred at Portishead and Lilly yesterday. Temperature has risen in the north of France and south and south east of England, fallen elsewhere; it varies over these Islands from 53° at Dover to 39° at York and 35° at Aberdeen. During last night the thermometers in the shade fell to 35° at Irish and 33° at Aberdeen. Wind is NW<sup>r</sup> on our western coasts, W in the south and over France, S in the east and over the North Sea, and E in the north of England. In the Channel and at Rochefort a fresh to strong gale is reported. In the north of Scotland and over Scandinavia a separate circulation exists. Sea is high in the Channel and in the Bay of Biscay. Barometrical Indications. Pressure is increasing rapidly in the south of Norway, briskly on our west and north coasts, but is falling over England and France. A large area of low pressure lies over the British Isles, with a small minimum over the British Channel, while the disturbance which lay over the south of Norway yesterday is now near Christchurch. Warnings. The following message was sent to our west, south and south east coasts last evening:—"Barometer falling fast again Ireland. Hoist South Cove again for SW<sup>r</sup> gales. Leaves port: Friday".

Subscription for these Charts payable in advance to cover delivery. Delivery by hand \$4 per quarter, book post 5/- per quarter.

Meteorological Office,  
116, Victoria Street, Westminster, S. W.

**R. H. SCOTT.**  
Secretary.



# SUMMARY OF WEATHER IN WESTERN EUROPE

from OCTOBER 20<sup>TH</sup> to OCTOBER 26<sup>TH</sup> 1878.

(Issued Weekly as a Supplement to the "Daily Weather Report.")

The weather during this week has been exceedingly unsettled, and several depressions of considerable importance have passed across our area. The main depressions which have been large and deep have passed over our NW coasts in an E<sup>ly</sup> or NE<sup>ly</sup> direction towards Norway, but on Tuesday, Thursday and Saturday smaller and subsidiary disturbances travelled from W to E. over S<sup>th</sup> England, so that pressure has been very considerably reduced over the whole country. At the close of the week the last disturbances were passing away E<sup>ward</sup> and pressure was recovering in the N. The wind has been strong to a gale generally from SW to N., and on Thursday and Saturday was very violent on the coast of Kent. Temperature has oscillated considerably and on Sunday morning was as low as 30° at Nottingham. Rain has been frequent and in places heavy.

## SUNDAY OCT<sup>R</sup> 20<sup>TH</sup>

Weather locally fine at Shields and Hornsey, very cloudy and dull in almost all other places. Rain prevailing at Cork, Nottingham, Ardrossan and Paris, fog at several stations. Rain subsequently falling except in the neighbourhood of the Channel.

Temperature a little lower over the greater part of the Continent, a little higher over these Islands. Very uniform between 50° and 60° over the British Isles and France.

Wind moderate from SW to SE. in the N. and N., light from E. to SE. over France and our E<sup>ly</sup> stations; S<sup>ly</sup> breeze becoming more general in the evening.

Sea rough near the Shetlands—

Barometer rising in S. and falling in N. at 8 am, but decrease in N. becoming general during day, and a depression advancing over the N. of Scotland.

## MONDAY OCT<sup>R</sup> 21<sup>ST</sup>

Weather fine over the SE. of England, dull, cloudy and unsettled elsewhere, with much rain in the N. and NW. fog in some places. Rain occurring generally during the day, the amount being large in the N. and N.

Temperature scarcely changing, readings still ranging between 50° and 60° over these Islands and France. During the following night the thermometer much lower, falling to 38° in the NE. of Ireland and Scotland, and 45° over Central England.

Wind S<sup>ly</sup> (SW to SE) over the whole country, moderate to fresh generally and strong at Valentia and the Shetlands, and reaching a gale in the SW. in the evening, and in the S. during the night.

Sea rough in the N. and off Skudesnes.

Barometer falling everywhere rapidly in the NW. Large depression appearing off the N. coast of Scotland at 8 am., and subsequently passing slowly E<sup>ward</sup> over that country.

## TUESDAY OCT<sup>R</sup> 22<sup>ND</sup>

Weather clear in the E. of Scotland and the NE<sup>th</sup> and Central parts of England, but overcast and unsettled elsewhere, with rain in many places, particularly over France and hail at Pembroke. Rain falling during the day except in the NE. but at 6 P.M. the weather improving.

Temperature rather higher to the E<sup>nd</sup> of the North Sea than on the 21<sup>st</sup> but several degrees lower over these Islands and the N. of France, the maxima not reaching 60° at any of our stations, and rising little above 50° in the NE. and N.

Wind W<sup>ly</sup> in the Hebrides, NW<sup>ly</sup> to N<sup>ly</sup> in other parts of our Islands and France, SW<sup>ly</sup> to S<sup>ly</sup> elsewhere. Fresh to strong on our coasts and blowing a gale from SSE. in Norway. Strong NW<sup>ly</sup> gales felt on our SW. coasts in the evening.

Sea rough in the N., S. and NE.

Barometer falling over the whole of N<sup>th</sup> Europe—briskly on our N<sup>th</sup> coasts and rapidly in Norway. A deep depression lying to the N<sup>W</sup> of Scotland, subsequently moving NE<sup>ward</sup> and the mercury rising.



WEDNESDAY OCT<sup>R</sup> 23<sup>RD</sup>

Weather very in the E<sup>m</sup> parts of Ireland and Great Britain, with the NE. of France, cloudy and overcast elsewhere, with rain at Ardrossan, the Larn and in Sweden. Heavy rain falling in the N. and N. during the day, and smaller quantities elsewhere.

Temperatures risen in the N., fallen in the S., and N., and readings very uniform over N<sup>m</sup> Europe. The maxima about 55° in the S., and 50° or slightly below in the N.

Winds N<sup>2</sup> on our N<sup>m</sup> coast and over France, SW<sup>2</sup> to SE<sup>2</sup> over the North Sea and Scandinavia, fresh to strong in force and blowing a gale at Scilly all day.

Sea high in the SW., rough in the N., S., and NE.

Barometer rising at Baw except at Stromway, but the decrease there spreading to the other Scotch stations by 6 P.M., and a separate fall appearing at Valentia at the same hour. Readings highest over Spain and the S. of France, lowest off the Hebrides.

THURSDAY OCT<sup>R</sup> 24<sup>TH</sup>

Weather at Baw fine in Sweden, fair in Scotland, overcast or very cloudy in most other places, with rain over SE<sup>m</sup> and Central England, at Cape Fin Rey and Ork, hail at Fars. Rain collected at nearly all stations during the day, but weather clearing considerably at night.

Temperatures rising in SE., E. and NE. falling elsewhere, readings very uniform. In the evening the thermometers falling quickly in the SE., cold night.

Winds light to moderate from N. to SW. in the N., varying between N. and S. at our S<sup>m</sup> stations and over the Channel but blowing a moderate to strong gale. The gale very severe at Malmer, Wind generally N<sup>2</sup> at 6 P.M. and force moderating.

Sea high or rough in the SW., S. and NE.

Barometer rising in the N. but falling fast in the S. and a small subsidiary passing over S<sup>m</sup> England. Readings highest over France, and lowest near the Hebrides. Small depression disappearing over the North Sea at 6 P.M.

FRIDAY OCT<sup>R</sup> 25<sup>TH</sup>

Weather in the morning moderately fine over the greater part of these Islands, but cloudy and showery in the N. Rain falling in the N. of France and the Netherlands. Rain subsequently falling generally, heavily in the Channel.

Temperatures lower at our E<sup>m</sup> stations and in the N. of France than on the 24<sup>th</sup>, higher in the S. of France. Readings varying from 51° at Scilly to 39° at Nottingham and 37° at Wick. Maxima not reaching 60° at any of our stations. Minima in night as low as 33° at Aberdeen and 35° at Wick.

Winds fresh to strong N<sup>2</sup> to NN<sup>2</sup> on our coasts and over France with a strong S<sup>2</sup> gale in the S. of Scandinavia. Strong WNW gale at Scilly at 6 P.M.

Sea rough in the SW. and S. high in the Skager Rack.

Barometer falling rapidly in the S. of Norway, briskly generally deep depression near Ork. Pressure increasing in the E. in the evening, but falling quickly at Valentia.

SATURDAY OCT<sup>R</sup> 26<sup>TH</sup>

Weather fine in the N. of Scotland and S. of France, dull and unsettled in most other districts, with rain in the SE. fog and mist in the NE. Rain subsequently occurring generally

Temperatures risen in the N. of France and at our S<sup>m</sup> and SE<sup>m</sup> stations, fallen elsewhere; varying from 53° at Dover to 39° at York and 35° at Aberdeen; thermometer falling in following night to 30° at Nottingham and about 32° in the E. of England.

Winds N<sup>2</sup> to NN<sup>2</sup> in the N., N<sup>2</sup> to SW<sup>2</sup> in the S. light and variable in the N., blowing a gale in the Channel. Very heavy gale occurring round the N. and S. Portland at about 1 P.M. but wind falling light in evening.

Sea high or rough in the S. and SW.

Barometer rising briskly in the N., and recovering slightly in the N., but falling in the S. and SE. A large depression lying over these Islands with its minimum near Portishead. Disturbance passing E<sup>m</sup> later in the day, and rise of barometer becoming general.

Meteorological Office,

116 Victoria Street, Westminster, S.W.

ROBERT H. SCOTT, Secretary.



# DAILY WEATHER REPORT OCT. 27<sup>th</sup> 1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Therm. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.25	44	S	4	r	29.23	- .05	43	42	- 1	SH	2	c	*	44	42	0.47	
Hernösand ...	29.21	44	SH	2	b	29.29	+ .17	39	38	- 5	SH	2	b	*	*	*	-	
Stockholm ...	29.42	45	SH	2	c	29.43	+ .15	44	44	+ 1	SH	2	c	*	*	*	-	
Wisby ...	29.46	45	NW	6	b	29.43	+ .07	48	47	0	SSE	6	c	*	*	*	-	
Christiansund ...	29.15	46	NW	4	r	29.25	+ .37	46	44	- 1	SH	2	r	4	44	41	0.59	
Skudesnaes ...	29.19	47	NE	2	c	29.16	+ .03	46	44	0	N	4	r	3	48	46	0.39	
Oxö (Klansand) ...	29.23	50	SE	6	r	29.11	- .09	51	49	+ 9	SE	4	c	4	?	48	0.39	
Skagen (The Seaw.)	29.31	51	NW	3	bc	29.13	- .11	49	48	+ 3	S	4	c	4	52	41	0.08	
Fanö ...	29.16	49	S	4	r	29.06	- .23	50	49	+ 1	SH	2	c	*	52	46	0.20	
Cuxhaven ...	29.32	51	S	5	r	29.26	- .13	49	49	+ 5	SH	6	c	*	52	43	0.08	
Sumburgh Head ...	29.23	46	NE	3	b	29.38	+ .23	44	42	0	NNE	4	b	3	53	42	0.06	
Stornoway ...	29.33	46	N	7	r	29.50	+ .41	42	40	0	N	5	b	5	49	40	0.36	
Thurso ...	29.26	49	NNW	3	c	29.48	+ .33	47	46	+ 9	NNW	4	p	5	41	37	0.02	
Wick ...	29.26	43	NW	1	b	29.47	+ .33	45	43	+ 7	NW	3	bc	1	55	36	0.02	
Nairn ...	29.27	46	NNW	2	c	29.51	+ .38	43	40	+ 4	NNW	2	b	2	48	38	0.11	
Aberdeen ...	29.20	43	N	3	b	29.43	+ .33	45	42	+ 10	NNW	3	b	3	48	35	0.14	
Leith ...	29.20	48	NE	3	bc	29.43	+ .38	47	44	+ 9	NNW	1	bc	*	49	37	-	
Shields ...	29.14	46	N	2	c	29.41	+ .34	44	42	+ 4	NNW	4	r	0	49	33	0.15	
Scarborough ...	29.13	45	N	3	c	29.40	+ .34	44	43	+ 4	NNW	2	b	3	49	40	0.06	
York ...	29.14	44	NNW	2	b	29.43	+ .37	41	40	+ 2	NNW	1	bc	*	49	37	-	
Nottingham ...	29.21	40	Z	0	b	29.49	+ .47	36	34	- 8	Z	0	b	*	45	30	0.31	
Ardrossan ...	29.24	46	NE	2	bc	29.49	+ .44	45	43	+ 3	NW	1	b	0	51	42	-	
Greencastle ...	29.28	46	NNE	2	bc	29.55	+ .54	48	46	+ 3	N	2	c	*	50	44	0.60	
Donaghadee ...	29.27	45	NE	4	bc	29.54	+ .52	49	47	+ 10	NNE	5	b	3	50	39	0.02	
Kingstown ...	29.23	46	NW	4	bc	29.57	+ .50	47	45	+ 5	NNW	5	bc	5	49	41	0.03	
Holyhead ...	29.27	47	N	2	c	29.51	+ .47	51	47	+ 4	NW	2	c	3	52	46	0.17	
Liverpool (Bidston) ...	29.21	46	NNW	1	c	29.49	+ .46	47	44	+ 5	NNW	2	b	1	49	42	-	
Valencia ...	29.43	50	N	5	c	29.79	+ .55	45	45	- 1	N	4	cp	5	55	46	0.25	
Roche's Point ...	29.37	47	NNW	5	c	29.66	+ .47	48	45	+ 4	NNW	6	b	4	52	44	0.06	
Pembroke ...	29.25	51	NW	3	c	29.34	+ .30	45	44	- 1	N	2	eph	2	52	43	0.44	
Portishead ...	29.22	48	NNW	4	c	29.47	+ .49	44	43	- 3	NW	3	c	4	53	38	0.02	
Seilly ...	29.35	53	NNW	6	c	29.57	+ .43	52	48	+ 1	N	6	cp	6	54	48	0.15	
Plymouth ...	29.31	48	NW	2	b	29.51	+ .45	41	40	- 7	NNW	2	b	*	54	40	0.17	
Hurst Castle ...	29.25	50	NW	3	b	29.43	+ .40	42	41	- 9	N	2	bw	3	55	40	0.04	
Dover ...	29.19	48	NNW	3	b	29.46	+ .36	46	45	- 7	Z	0	og	1	55	40	0.47	
London ...	29.23	48	NW	2	b	29.43	+ .37	37	37	- 12	NW	1	of	*	52	36	0.12	
Oxford ...	29.23	45	N	2	c	29.47	+ .46	35	35	- 12	SH	1	f	*	50	34	-	
Cambridge ...	29.16	44	N	1	c	29.45	+ .43	33	33	- 14	N	1	c	*	41	32	0.02	
Yarmouth ...	29.08	45	N	2	c	29.39	+ .32	35	35	- 12	N	2	f	2	52	34	0.17	
The Helder ...	*	*	3	*	*	29.32	+ .08	51	45	+ 5	SH	4	f	*	*	*	0.12	
Cape Gris Nez ...	29.23	50	N	8	c	29.45	+ .31	48	46	- 4	SH	1	r	1	53	46	0.71	
Jersey ...	29.38	52	N	5	bc	29.46	+ .34	48	47	- 4	NW	3	bc	3	54	46	0.50	
Brest ...	29.41	57	NNW	3	c	29.50	+ .27	52	45	- 2	N	2	bc	5	57	45	0.08	
L'Orient ...	29.47	52	N	4	bc	29.56	+ .22	48	45	- 6	NW	4	r	5	59	45	0.32	
Rochefort ...	29.58	59	N	5	c	29.56	.00	55	52	- 2	NNW	9	c	8	75	52	0.32	
Biarritz ...	29.72	61	S	4	c	29.68	- .04	57	54	+ 3	NW	6	r	5	64	52	0.28	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Brussels ...	*	*	*	*	*	29.46	+ .10	44	42	- 3	SH	2	b	3	53	42	0.32	
Charleville ...	*	*	*	*	*	29.42	- .05	47	*	- 3	SSH	?	?	*	*	*	*	
Paris ...	29.50	50	SH	2	b	29.56	+ .08	50	48	- 1	NW	2	c	*	*	*	-	
Lyons ...	*	*	*	*	*	30.01	+ .22	61	*	+ 4	S	4	c	*	*	*	*	
Toulon ...	29.84	59	N	1	c	29.75	- .09	61	59	+ 7	N	3	f	4	61	54	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.20	48	45	SSE	1	0	9	Valencia .....	29.84	58	48	NN	3	cp	4
Thurso .....	29.22	49	47	NNN	1	6	3	Scilly .....	29.30	54	49	NNN	6	cp	6
Scarborough ...	29.05	48	45	N	3	0	3	London .....	29.06	51	49	N	3	0	*
Greencastle ...	29.18	49	45	NNE	2	0	*	Rochefort ...	29.56	59	55	NNN	10	0	8
Holyhead .....	29.14	47	46	N	2	cp	1								

The mercury is now rising slowly in all parts of our Islands and the large depression noticed this morning is slowly passing E<sup>W</sup> over the North Sea. The wind has veered towards N. over England and Ireland.

Mullaghmore	29.35	50	N	4	bc	29.66	+ .57	49	48	+ 1	N	5	cp	4	50	41	0.15
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## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility; unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

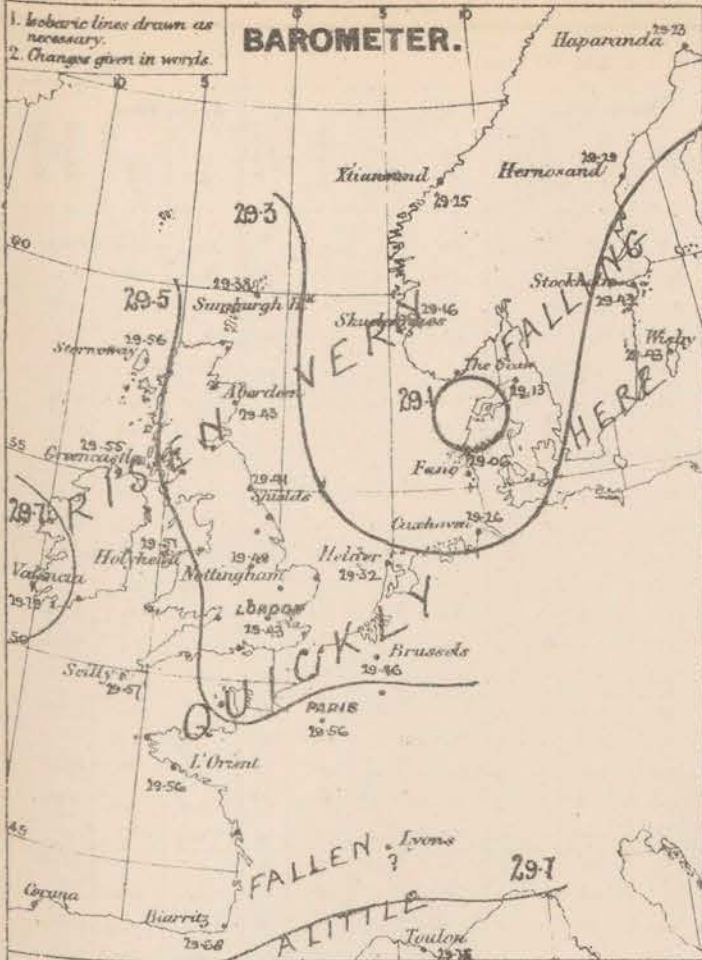
N.B.—The wind is said to "veer" when its direction changes with the sea, and to "back" when it shifts in the opposite direction.



# WEATHER CHARTS for 8 a.m. on Sunday 27. Oct. 1878.

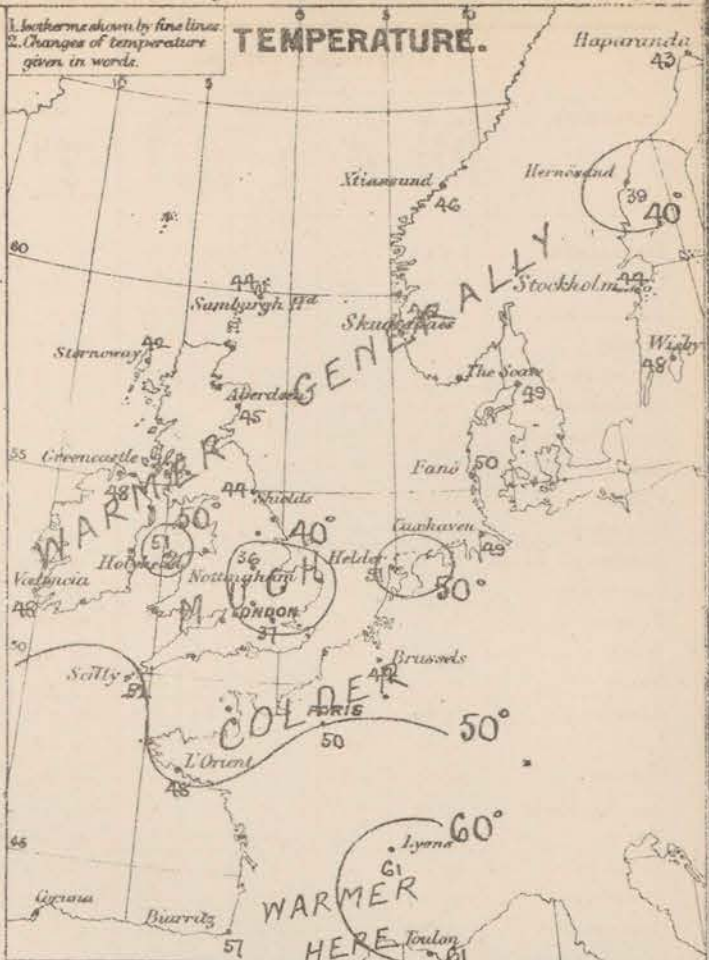
1. Isobaric lines drawn as necessary.
2. Changes given in words.

## BAROMETER.



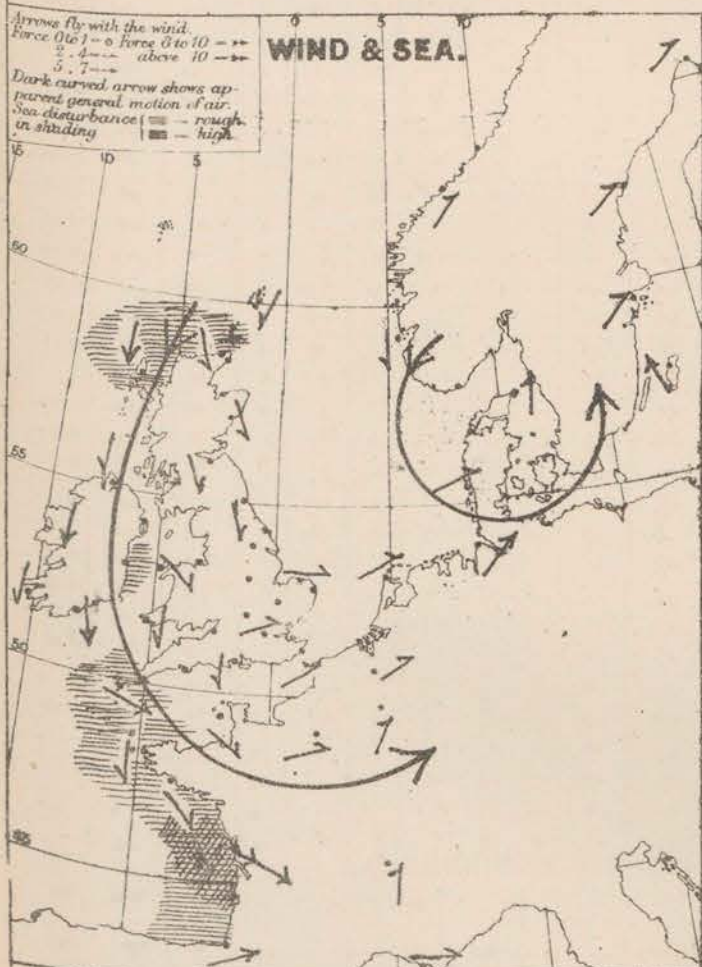
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

## TEMPERATURE.



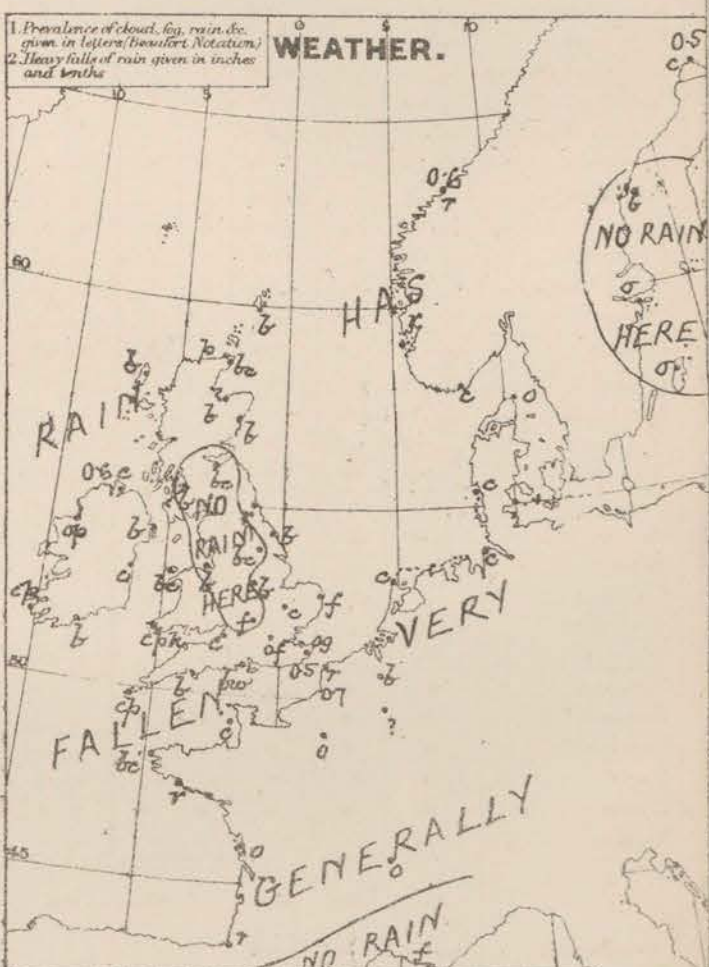
- Arrows fly with the wind.  
Force 0 to 10 —  
Force 11 to 20 —  
Force 21 to 30 —  
Force 31 to 40 —  
Force 41 to 50 —  
Force 51 to 60 —  
Force 61 to 70 —  
Force 71 to 80 —  
Force 81 to 90 —  
Force 91 to 100 —  
Force 101 to 110 —  
Force 111 to 120 —  
Force 121 to 130 —  
Force 131 to 140 —  
Force 141 to 150 —  
Force 151 to 160 —  
Force 161 to 170 —  
Force 171 to 180 —  
Force 181 to 190 —  
Force 191 to 200 —  
Force 201 to 210 —  
Force 211 to 220 —  
Force 221 to 230 —  
Force 231 to 240 —  
Force 241 to 250 —  
Force 251 to 260 —  
Force 261 to 270 —  
Force 271 to 280 —  
Force 281 to 290 —  
Force 291 to 300 —  
Force 301 to 310 —  
Force 311 to 320 —  
Force 321 to 330 —  
Force 331 to 340 —  
Force 341 to 350 —  
Force 351 to 360 —  
Force 361 to 370 —  
Force 371 to 380 —  
Force 381 to 390 —  
Force 391 to 400 —  
Force 401 to 410 —  
Force 411 to 420 —  
Force 421 to 430 —  
Force 431 to 440 —  
Force 441 to 450 —  
Force 451 to 460 —  
Force 461 to 470 —  
Force 471 to 480 —  
Force 481 to 490 —  
Force 491 to 500 —  
Force 501 to 510 —  
Force 511 to 520 —  
Force 521 to 530 —  
Force 531 to 540 —  
Force 541 to 550 —  
Force 551 to 560 —  
Force 561 to 570 —  
Force 571 to 580 —  
Force 581 to 590 —  
Force 591 to 600 —  
Force 601 to 610 —  
Force 611 to 620 —  
Force 621 to 630 —  
Force 631 to 640 —  
Force 641 to 650 —  
Force 651 to 660 —  
Force 661 to 670 —  
Force 671 to 680 —  
Force 681 to 690 —  
Force 691 to 700 —  
Force 701 to 710 —  
Force 711 to 720 —  
Force 721 to 730 —  
Force 731 to 740 —  
Force 741 to 750 —  
Force 751 to 760 —  
Force 761 to 770 —  
Force 771 to 780 —  
Force 781 to 790 —  
Force 791 to 800 —  
Force 801 to 810 —  
Force 811 to 820 —  
Force 821 to 830 —  
Force 831 to 840 —  
Force 841 to 850 —  
Force 851 to 860 —  
Force 861 to 870 —  
Force 871 to 880 —  
Force 881 to 890 —  
Force 891 to 900 —  
Force 901 to 910 —  
Force 911 to 920 —  
Force 921 to 930 —  
Force 931 to 940 —  
Force 941 to 950 —  
Force 951 to 960 —  
Force 961 to 970 —  
Force 971 to 980 —  
Force 981 to 990 —  
Force 991 to 1000 —

## WIND & SEA.



1. Prevailing of cloud, fog, rain, etc. given in letters (Beaufort Notation).
2. Heavy falls of rain given in inches and tenths.

## WEATHER.



**REMARKS.** Weather is finer this morning in most places, but showers are reported at our extreme SW stations. Thunderstorms occurred in our SW districts last night, and at Brussels, and raised and hail showers locally fallen very generally. Temperature has decreased quickly over our SE coasts during the night, but on our N and W coasts and in the S. of France it has risen. Wind is NW all over the country, blowing fresh in the W, and with the force of a strong gale at Portland. Sea is very high off Portland, rough in the extreme N. and about the Scilly Isles, moderate to slight elsewhere.

**Barometrical Indications.** Pressure has increased quickly over the whole of NW Europe, the change averaging from nearly 0.6 in. over Ireland to about 0.5 in. on our E. coast, while in Denmark and the S. of France the barometer has fallen slightly. The area of high readings lies to the W. of Ireland, while the depression which lay over the W. of England yesterday has reached the Channel Flots.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 4d per quarter, book post 5d per quarter.

Meteorological Office,  
116, Victoria Street, Westminster, S.W.

R. H. SCOTT,  
Secretary.



# DAILY WEATHER REPORT OCT 28<sup>TH</sup> 1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° E. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° E. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.28	?	S	?	b	29.40	+ .17	37	37	- 6	X	0	f	*	43	36	-	
Hernösand ...	29.33	32	Z	0	b	29.39	+ .10	37	?	- 2	Z	0	o	*	*	*	-	
Stockholm ...	29.28	45	SH	2	c	29.31	- .12	45	44	+ 1	SE	2	r	*	*	*	0.28	
Wisby ...	29.39	49	SH	6	b	29.39	- .04	50	48	+ 2	WSH	6	o	*	*	*	0.12	
Christiansund ...																		
Skudesnaes ...	29.26	42	X	0	b	29.28	+ .12	44	43	- 2	Z	0	c	3	48	20	-	
Oxö (Xtiansand) ...	29.26	47	N	4	c	29.33	+ .22	46	45	- 5	N	2	r	1	?	43	-	
Skagen (The Seaw) ...	29.25	49	NE	2	c	29.34	+ .21	48	46	- 1	Z	0	o	0	2	41	-	
Fanö ...	29.30	49	NNH	3	c	29.42	+ .36	48	48	- 2	WSH	2	c	*	54	46	0.39	
Cuxhaven ...	29.37	51	SH	5	o	29.49	+ .23	50	50	+ 1	NNH	3	r	*	50	45	0.07	
Sumburgh Head ...	29.42	43	NNE	3	f	29.25	- .13	41	41	- 3	NNE	3	r	2	49	37	0.34	
Stornoway ...	29.53	41	WSH	2	b	29.35	- .21	40	38	- 2	NNH	4	gphg	5	45	36	0.37	
Thurso ...	29.53	45	NNH	3	bc	29.30	- .18	38	37	- 9	WSH	2	o	4	54	35	0.50	
Wick ...	29.50	39	NH	1	b	29.31	- .16	36	35	- 9	N	3	o	0	50	32	0.04	
Nairn ...	29.55	42	NNH	2	b	29.34	?	37	35	- 6	X	0	bc	2	48	37	0.13	
Aberdeen ...	29.53	43	NNH	3	bc	29.35	- .08	34	33	- 11	WSH	1	b	1	49	34	0.07	
Leith ...	29.57	46	NNH	1	b	29.38	- .05	39	38	- 9	SH	3	bc	*	56	38	-	
Shields ...	29.58	47	NH	2	bc	29.48	+ .07	40	38	- 4	NNH	4	b	3	50	38	0.20	
Scarborough ...	29.57	46	NH	2	b	29.47	+ .14	40	40	- 4	WSH	2	c	2	50	38	0.02	
York ...	29.61	46	N	1	b	29.58	+ .15	44	42	+ 3	N	2	c	*	52	34	-	
Nottingham ...	29.65	46	Z	0	c	29.67	+ .18	42	41	+ 6	WSH	3	r	*	51	33	0.03	
Ardrossan ...	29.62	46	NH	1	b	29.46	- .03	43	41	- 2	NNH	6	rwo	4	54	41	0.22	
Greencastle ...	29.69	46	NH	3	o	29.63	+ .08	45	41	- 3	NH	5	bc	*	54	39	0.35	
Donaghadee ...																		
Kingstown ...	29.75	48	NNH	4	bc	29.80	+ .13	44	41	- 3	NNH	5	b	5	52	42	-	
Holyhead ...	29.68	51	N	5	bcpg	29.77	+ .21	47	43	- 4	NH	6	bc	5	54	47	0.02	
Liverpool (Bidston) ...	29.66	48	NH	2	b	29.63	+ .14	46	43	- 1	N	6	bc	4	51	44	0.11	
Valencia ...	29.93	48	NNH	4	cp	30.02	+ .23	50	45	+ 2	NH	5	ag	5	53	45	0.08	
Roche's Point... ..	29.87	47	NNH	5	bc	29.95	+ .29	48	45	0	NH	4	bc	3	53	44	-	
Pembroke ...	29.74	48	N	2	c	29.82	+ .28	50	45	+ 5	NH	6	bc	4	52	44	0.15	
Portishead ...	29.65	46	NNH	3	o	29.87	+ .40	46	44	+ 2	N	4	o	4	57	42	-	
Scilly ...	29.79	52	NH	6	cp	29.95	+ .38	52	48	0	NNH	6	ap	5	53	48	0.90	
Plymouth ...	29.72	47	NNH	1	b	29.87	+ .36	45	44	+ 4	N	2	bcw	*	54	40	0.01	
Hurst Castle ...	29.64	47	NNH	3	b	29.80	+ .37	47	45	+ 5	NH	4	bcw	3	53	40	-	
Dover ...	29.59	47	N	3	b	29.75	+ .29	44	42	- 2	N	4	b	2	49	42	-	
London ...	29.62	48	NNH	1	bcf	29.74	+ .31	40	39	+ 3	WSH	2	b	*	51	36	-	
Oxford ...	29.64	47	NH	1	c	29.74	+ .27	43	42	+ 8	WSH	2	o	*	51	35	0.01	
Cambridge ...	29.61	47	N	1	o	29.70	+ .25	40	40	+ 7	SH	1	b	*	55	33	-	
Yarmouth ...	29.53	47	NNH	2	bc	29.64	+ .25	41	41	+ 6	WSH	3	cm	3	51	34	0.02	
The Helder ...	*	*	*	*	*	29.60	+ .28	53	48	+ 2	N	2	c	*	*	*	-	
Cape Gris Nez ...	29.58	50	N	3	f	29.75	+ .30	50	46	+ 2	NNH	4	bc	3	52	46	0.47	
Jersey ...	29.70	50	NNH	3	bc	29.90	+ .44	50	46	+ 2	NH	5	bc	5	53	46	0.15	
Brest ...	29.77	57	N	3	f	29.96	+ .46	52	45	+ 2	N	4	o	3	57	45	0.08	
L'Orient ...	29.78	50	NNH	4	b	30.01	+ .45	50	46	+ 2	NNH	3	b	4	57	46	0.08	
Roche fort ...	29.74	57	NH	6	c	29.98	+ .42	55	52	0	N	2	bc	3	72	48	0.12	
Biarritz ...	29.82	61	WSH	5	c	29.99	+ .31	52	46	- 5	SSE	1	r	4	59	48	0.57	
Corunna ...	*	*	*	*	*				*					*	*	*	*	
Brussels ...	*	*	*	*	*	29.73	+ .27	44	43	0	WSH	2	b	*	53	43	0.12	
Charleville ...	*	*	*	*	*	29.72	+ .30	44	*	- 3	N	1	f	*	*	*	*	
Paris ...	29.67	46	NNH	2	f	29.95	+ .39	44	43	- 6	NNH	2	bc	*	*	*	-	
Lyons ...	*	*	*	*	*	29.96	- .05	44	*	- 7	?SE	2	c	*	*	*	*	
Toulon ...	29.69	59	SH	4	o	29.80	+ .05	50	50	- 11	NH	5	c	5	64	48	-	
YESTERDAY'S 2 P.M. REPORTS AND REMARKS.																		
	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.					
Skudesnaes ...	29.26	48	45	NNH	2	c	2	Valencia ...										
Thurso ...								Scilly ...										
Scarborough ...								London ...										
Greencastle ...							*	Roche fort ...	29.68	57	52	NNH	6	bc	5			
Holyhead ...																		
Mullaghmore ...	29.77	48	NH	5	o	29.78	+ .12	47	46	- 2	NH	9	bc	6	51	45	0.09	

## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

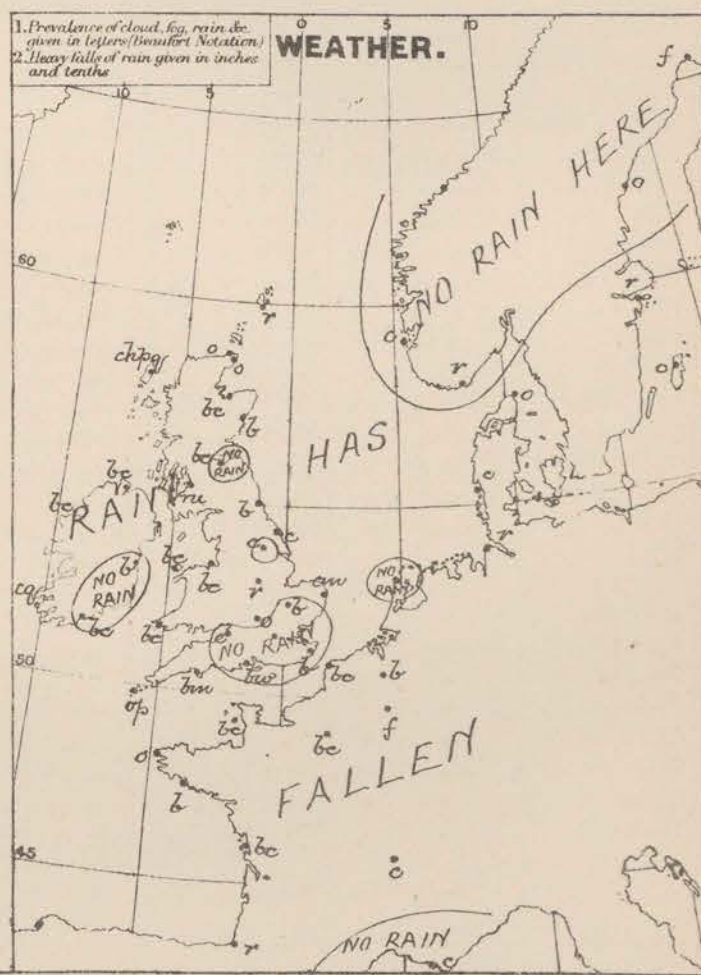
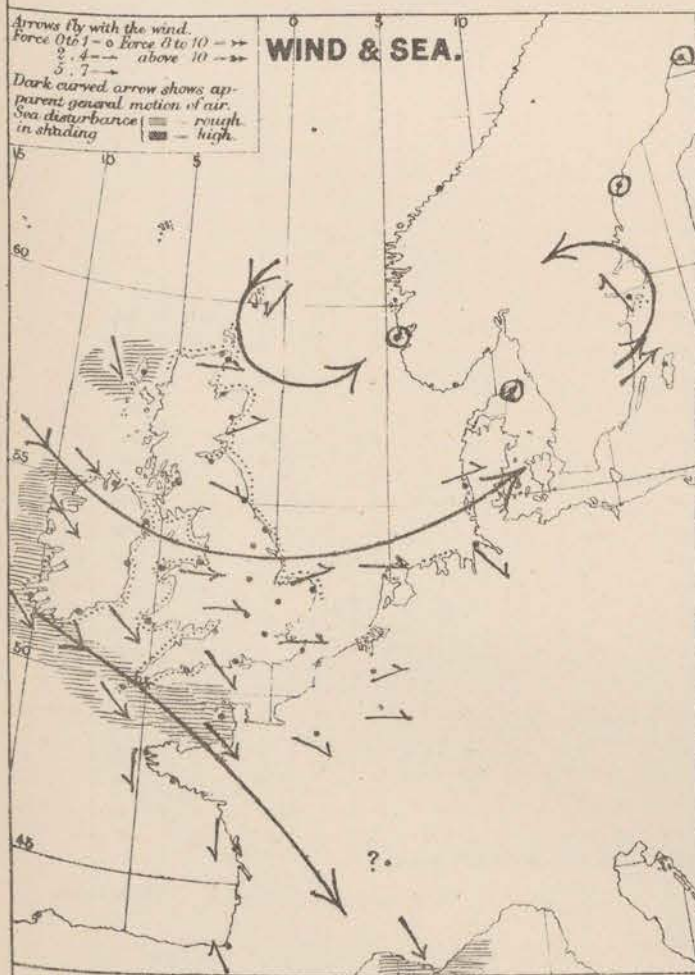
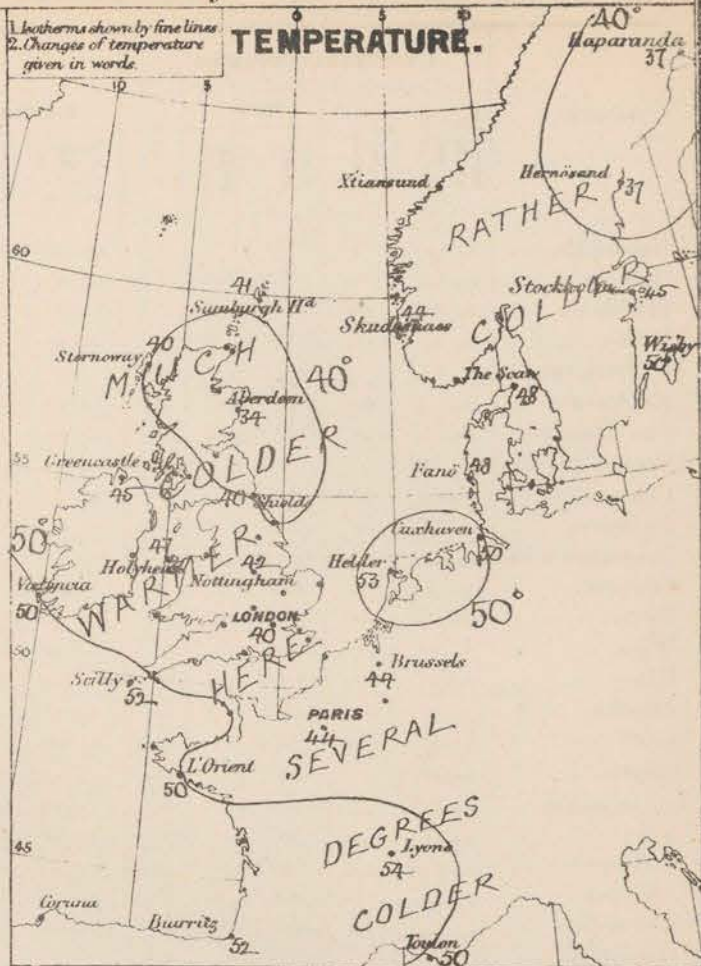
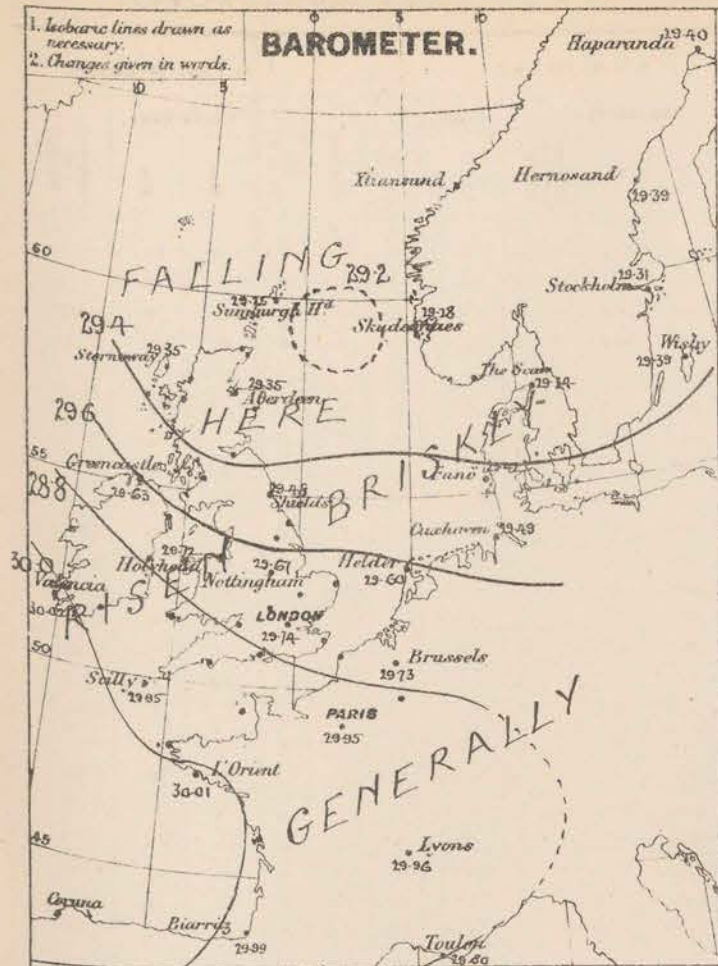
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.



WEATHER CHARTS for 8 a.m. on Monday 28<sup>th</sup> OCT<sup>r</sup> 1878.



*D. dolabraria* is drawn round the coast where the signals are most trusted.

REMARKS. Weather has again become broken up over all the NW<sup>th</sup> parts of our Islands, but is fair at present in the E and S. Heavy showers of sea particles are reported at Stromway, rain and a threatening appearance at Andvassan, and equally showery weather at Valentin and Seily. A thunderstorm occurred at Seily last night, showers of rain have fallen in most places, with hail at Andvassan. Temperature has decreased at all our N<sup>th</sup> stations and in Trangen, but has recovered a little over our inland and SE coasts from the very low readings reported there yesterday morning. The thermometer is now several degrees below its average value for October at all our stations; a sharp frost occurred on the grass round London during the night. Wind is strong from the NW at all our W<sup>th</sup> stations, and blows a strong gale at Drullaghinnar. At our NE<sup>th</sup>, SE<sup>th</sup> and E<sup>th</sup> stations it is at present light from the W<sup>th</sup>. "Violent squalls" from the NW were felt at Stromway, and a fresh gale at Andvassan during the night. Sea is rather rough in the W and NW, moderate to slight elsewhere.

Barometrical Indications. The rapid and very general rise of the barometer which took place during Saturday and Sunday (especially in the W) has been followed by a rather sudden fall in our N and NE coasts, and steep gradients for NW winds are being formed over us. The depression now lies between the Shetlands and S. of Norway, and is apparently moving SE<sup>th</sup>.

Warming. Our NW, N, and NE coasts were warmed last evening, and the warming has been extended to our W and E coasts this morning.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 1/4 per quarter, book post 5/- per quarter.

Meteorological Office,  
116, Victoria Street, Westminster, S. W.

**R. H. SCOTT.**  
Secretary.

Danforth, L.H. 20th April 1900



# DAILY WEATHER REPORT OCT. 29<sup>th</sup> 1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rain (fall).			
			Dir.	Force. (0 to 12).			Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.				
Haparanda ...	29.56	37	S	2	f	29.63	+ 23	27	27	- 10	N	2	0	*	37	25	-		
Hernösand ...	29.48	38	N	2	f	29.54	+ 15	38	37	+ 1	N	2	0	*	*	*	-		
Stockholm ...	29.43	45	N	2	o	29.47	+ 16	43	42	- 2	Z	0	0	*	*	*	0.24		
Wiesby ...	29.41	50	SSW	4	o	29.45	+ 06	46	46	- 4	SW	4	0	*	*	*	-		
Christiansund ...	29.37	39	Z	0	b	29.38		39	37		ESE	1	bc	3	45	32	-		
Skudesnaes ...	29.32	46	SE	2	o	29.28	00	42	40	- 2	E	1	g	2	48	?	0.35		
Oxö (Ålensand) ...	29.36	44	N	4	o	29.28	- 05	45	44	- 1	SE	2	0	3	50	41	0.20		
Skagen (The Seal) ...	29.40	46	Z	0	b	29.36	+ 02	46	43	- 2	SW	4	bc	3	52	41	0.04		
Fanö ...	29.39	47	SW	4	o	29.31	- 11	45	44	- 3	SSE	4	0	*	52	41	0.47		
Cuxhaven ...	29.56	48	SSW	2	o	29.45	- 04	42	42	- 8	SSW	3	0	*	50	39	0.18		
Sumburgh Head ...	29.57	41	NNE	6	b	29.52	+ 27	35	35	- 6	N	6	bc	4	45	32	0.18		
Stornoway ...	29.74	41	N	6	o	29.78	+ 43	35	33	- 5	N	7	bc	8	47	32	0.27		
Thurso ...	29.61	46	N	6	o	29.70	+ 40	36	36	- 2	NNN	5	spg	5	48	35	0.36		
Wick ...	29.61	44	NNE	4	o	29.68	+ 37	33	33	- 3	NN	3	5	1	45	33	0.29		
Nairn ...	29.62	41	NN	7	f	29.76	+ 42	36	34	- 1	NN	6	bc	4	45	35	0.32		
Aberdeen ...	29.44	42	NN	4	o	29.67	+ 122	35	34	+ 1	NN	4	b	5	34	34	0.19		
Leith ...	29.50	45	NNE	4	o	29.71	+ 33	37	36	- 2	NN	3	bc		49	36	0.01		
Shields ...	29.46	41	NNN	2	b	29.71	+ 23	37	34	- 3	NNN	4	b	4	45	36	0.06		
Scarborough ...	29.44	41	N	2	b	29.68	+ 14	39	37	- 1	NNN	4	0	6	46	38	0.77		
York ...	29.50	40	NN	1	b	29.73	+ 15	38	35	- 6	NN	3	bc	*	49	33	0.03		
Nottingham ...	29.59	39	NN	3	b	29.79	+ 12	38	36	- 4	Z	0	ow	*	49	36	0.20		
Androssan ...	29.60	47	NNN	6	bc	29.77	+ 31	40	37	- 3	NN	2	0	*	48	40	0.19		
Greenacastle ...	29.78	45	NN	4	o	29.85	+ 22	39	38	- 6	NNN	3	f		49	37	0.30		
Donaghadee ...	29.72	45	NNN	7	o	29.84	+ 20	38	38	- 3	NNN	4	f	3	48	38	0.29		
Kingstown ...	29.85	46	NN	6	bc	29.94	+ 14	41	40	- 3	N	5	0	4	50	40	-		
Holyhead ...	29.69	48	NNN	9	o	29.86	+ 14	46	42	- 1	NNN	6	0	5	52	45	0.05		
Liverpool (Bishop) ...	29.60	47	NN	5	b	29.80	+ 17	45	40	- 1	NN	3	0	4	50	44	0.17		
Valencia ...	30.13	48	NNW	4	o	30.14	+ 12	48	45	- 2	NN	5	o	5	53	45	0.07		
Roche's Point ...	30.00	46	NNW	6	bc	30.06	+ 11	46	43	- 2	NN	5	0	4	53	42	0.10		
Pembroke ...	29.87	49	NN	7	bc	29.96	+ 14	47	43	- 3	NN	6	0	3	57	45	-		
Portishead ...	29.74	47	N	7	bc	29.88	+ 01	44	42	- 2	N	6	0	5	52	41	0.08		
Scilly ...	29.99	51	NN	7	o	30.06	+ 11	50	46	- 2	NN	7	pcg	6	53	48	0.07		
Plymouth ...	29.89	47	NN	4	b	29.97	+ 10	43	41	- 2	NN	5	o	*	53	41	0.03		
Hurst Castle ...	29.77	49	NN	5	bc	29.87	+ 07	44	42	- 3	NN	4	0	4	54	41	-		
Dover ...	29.63	45	NNN	4	b	29.75	00	43	42	- 1	NNN	4	b	3	57	41	-		
London ...	29.69	46	NNN	3	b	29.80	+ 06	41	39	+ 1	N	3	bc	*	52	40	0.01		
Oxford ...	29.67	44	N	4	b	29.84	+ 10	41	39	- 2	NN	1	0	*	51	39	0.24		
Cambridge ...	29.59	44	SW	2	o	29.77	+ 07	40	38	0	NN	2	ow	*	57	39	0.06		
Yarmouth ...	29.55	43	NNN	4	f	29.63	+ 01	42	42	+ 1	NN	6	fgw	5	48	35	0.23		
The Helder ...	*	*	*	*	*	29.41	+ 19	43	42	- 10	E	1	f	*	*	*	0.24		
Cape Gris Nez ...	29.70	50	NNN	5	b	29.78	+ 03	45	41	- 5	NNN	5	b	5	54	45	-		
Jersey ...	29.91	49	NNN	5	o	29.98	+ 08	48	45	- 2	NN	5	0	5	54	46	0.07		
Brest ...	29.99	55	N	4	o	30.07	+ 11	50	46	- 2	NNW	4	b	5	55	43	-		
L'Orient ...	30.02	50	NN	4	f	30.11	+ 10	46	45	- 4	NN	4	bc	4	57	45	-		
Rocheport ...	30.02	57	NN	4	o	30.08	+ 10	52	46	- 3	NNN	4	0	4	73	48	-		
Biarritz ...	30.10	57	NN	3	o	30.15	+ 16	55	50	+ 3	NNN	4	0	2	59	48	0.16		
Corunna ...	*	*	*	*	*			*	*					*	*	*	*		
Brussels ...	*	*	*	*	*	29.65	- 08	42	41	- 2	SW	6	0	*	52	41	0.12		
Charleville ...	*	*	*	*	*	29.72	00	42	*	- 2	NN	1	0	*	*	*	*		
Paris ...	29.86	49	?	3	f	29.90	- 05	44	43	0	N	3	f	*	*	*	*		
Lyons ...	*	*	*	*	*	30.03	+ 07	54	*	0	N	4	?	*	*	*	*		
Toulon ...	29.82	52	NN	6	b	29.93	+ 13	48	41	- 2	NN	6	bc	6	57	46	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.30	47	44	SE	2	o	3	Valencia .....	30.09	51	45	NN	5	cg	5
Thurso .....	29.43	44	44	N	5	f	5	Scilly .....	29.97	5	46	NN	7	cf	6
Scarborough ...	29.42	46	44	N	2	c	2	London .....	29.71	51	46	N	3	e	*
Greenacastle ...	29.68	47	42	NN	4	c	*	Rocheport ...	30.02	55	50	NN	3	bc	3
Holyhead .....	29.68	50	45	NNN	8	e	7								

The depression in the N. is moving SE<sup>W</sup>, the barometer is rising very quickly in the N. but falling in the E., and the NN<sup>W</sup> gale is spreading S<sup>W</sup> over the Irish Sea, and down our E. coast.

Mullaghmore	29.93	45	NNN	9	o	29.94	+ 16	44	43	- 3	NNN	6	ow	6	50	41	0.23.
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## EXPLANATION OF COLUMNS

**WEATHER.**—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. light rain; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

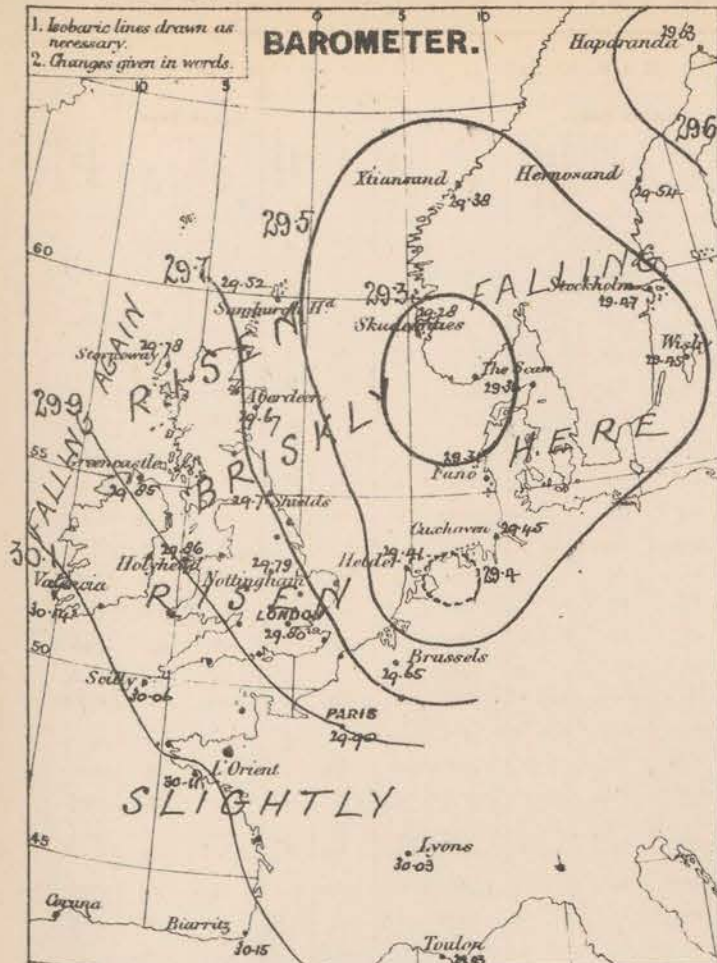
N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.



# WEATHER CHARTS for 8 a.m. on Tuesday 29 Oct<sup>r</sup> 1872

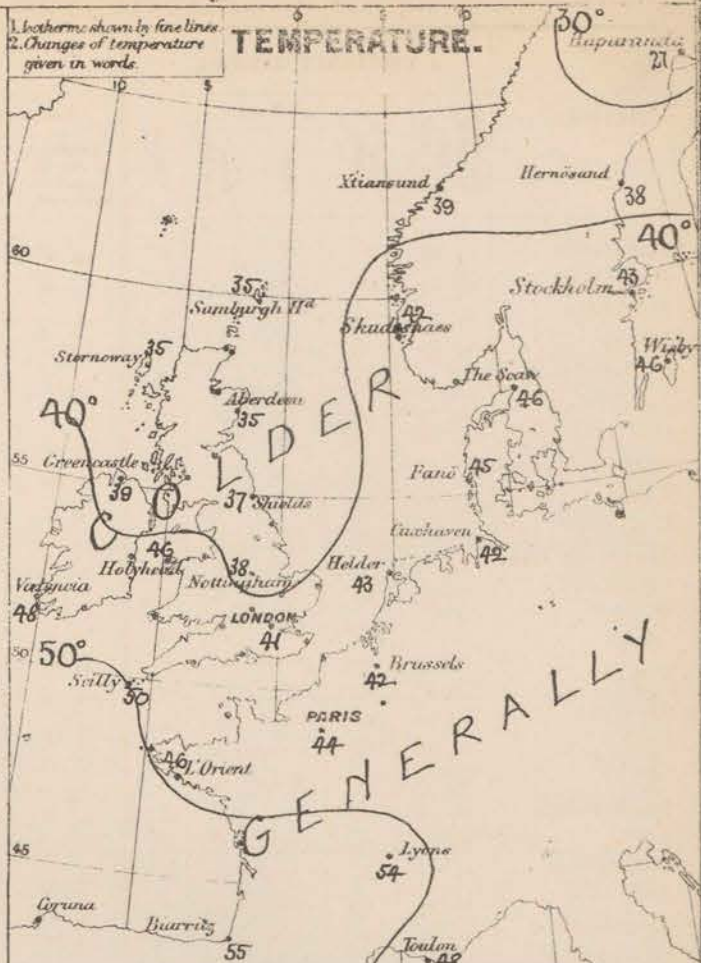
1. Isobaric lines drawn as necessary.
2. Changes given in words.

## BAROMETER.



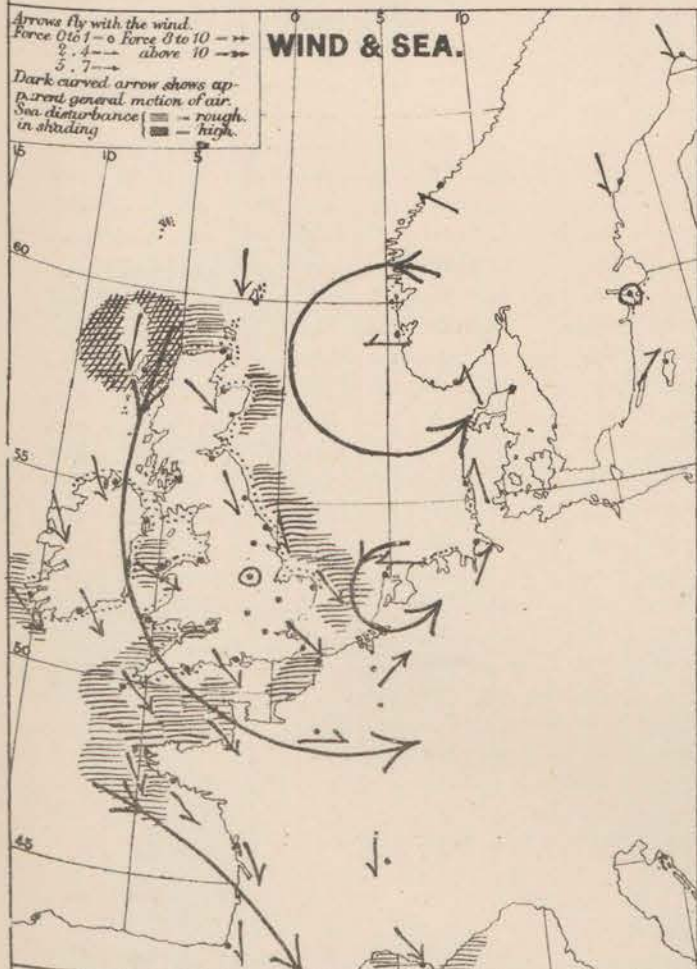
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

## TEMPERATURE.



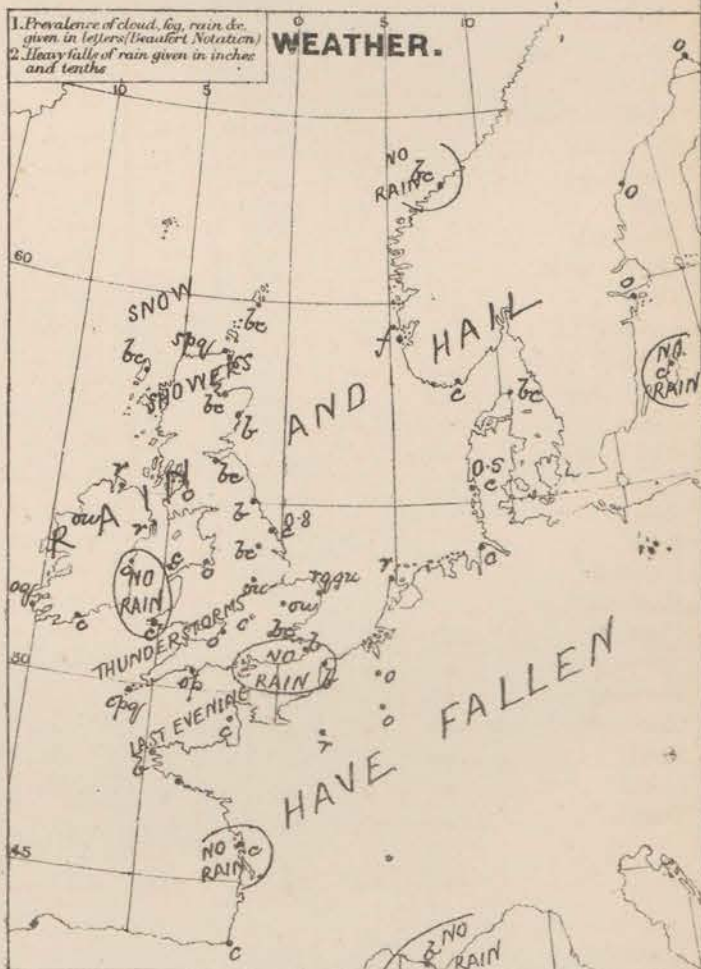
1. Force 0 to 10 --
  2. Force 10 to 20 --
  3. Force 20 to 30 --
  4. Force 30 to 40 --
  5. Force 40 to 50 --
  6. Force 50 to 60 --
  7. Force 60 to 70 --
  8. Force 70 to 80 --
  9. Force 80 to 90 --
  10. Force 90 to 100 --
- Dark curved arrow shows apparent general motion of air.  
Sea disturbance in shading:   
[shaded] -- rough   
[darker shaded] -- high

## WIND & SEA.



1. Prevalence of cloud, fog, rain &c. given in letters (Beaufort Notation).
2. Heavy falls of rain given in inches and tenths.

## WEATHER.



**REMARKS.** Weather is at present fair over the greater part of England and the E. of Scotland, duller on our W. and NW coasts, with rain in several places, and sun is falling in Carthage. Showers of rain and hail have fallen in various parts of the Kingdom, a thunderstorm has occurred at Nottingham and Douglas (Isle of Man), lightning at our SW and S stations. Temperature has decreased everywhere, and is as low as 33° at Wick, 35° at Aberdeen, 41° in London and 50° at Scilly. The readings are consequently much below the average for October, especially in the N. Wind is strong from N. at our most N. stations, but is NW on our other coasts. In the W. it blows strongly, and in the E. and S. it is moderate to fresh. Several NW gales were felt over the NW, and NE parts of our Islands yesterday, and strong squally breezes in most other places. Overland the wind is now W. while in Denmark it is light from S. and in the W. of Norway light from E. Sea is high in the N. rough in most other places.

**Barometrical Indications.** The depression which advanced towards the N. of Scotland early yesterday morning arrives now the mouth of the Skager Rack. The barometer rose quickly on our N. and NW coasts as it passed away to the E. but in the course of the night it has begun falling in the NW, but the change is at present slight.

**Warnings.** The N. Wind is still flying on all but our S. and SE coasts.



# DAILY WEATHER REPORT OCT 30<sup>TH</sup> 1878.

STATIONS.	↑ YESTERDAY EVENING.						8 A.M. TO DAY										PART 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 5.)	SHADE TEMP.					
			Dir.	Force. (0 to 12).			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.			Dir.	Force. (0 to 12).	Max.	Min.	Avg. of 24 hours.	
Haparanda ...	29.73	34	N	4	o	29.86	+ .23	36	36	+	9	N	2	+	*	36	25	—	
Hernösand ...	29.69	37	NNN	2	o	29.64	+ .10	42	38	+	4	NNE	4	o	*	*	*	0.08	
Stockholm ...	29.59	43	SE	4	+	29.64	+ .17	42	41	—	1	S	2	o	*	*	*	0.12	
Wisby ...	29.55	45	SSE	6	o	29.62	+ .17	43	42	—	3	SSN	6	o	*	*	*	0.16	
Christiansund ...	29.43	44	ESE	4	bc	29.53	+ .15	42	39	+	3	E	3	o	4	45	37	—	
Skudesnaes ...	29.31	43	ENE	1	bc	29.47	+ .19	40	39	—	2	ENE	1	o	2	43	?	—	
Oxö (Xtiansand) ...	29.02	42	NNN	4	o	29.45	+ .17	41	37	—	4	N	4	o	2	45	37	0.08	
Skagen (The Sæw) ...															*				
Fanö ...															*				
Cuxhaven ...	29.47	?	SH	4	o	29.60	+ .15	39	?	—	3	SH	1	bc	*	45	36	0.09	
Sumburgh Head ...	29.37	38	NNE	2	bc	29.60	+ .08	42	42	+	7	NNE	7	+	6	45	33	0.88	
Stornoway ...	29.73	38	NNN	7	o	29.85	+ .07	40	40	+	5	NNN	9	+	8	42	30	0.28	
Thurso ...	29.51	42	NNN	6	+	29.70	.00	45	44	+	9	NNE	8	og	8	47	34	0.45	
Wick ...	29.45	39	NNN	5	o	29.66	— .02	44	42	+	11	NNN	6	o	4	46	32	0.32	
Nairn ...	29.65	33	NN	3	+	29.68	— .08	44	43	+	8	NNN	8	o	6	44	33	0.28	
Aberdeen ...	29.60	35	NN	4	bc	29.52	— .15	42	41	+	7	NNN	1	o	4	42	33	0.10	
Leith ...	29.73	37	NN	3	bc	29.58	— .13	42	40	+	5	NNN	3	o	*	45	34	—	
Shields ...	29.73	35	N	4	bc	29.54	— .17	38	36	+	1	NNN	3	bc	3	44	31	0.01	
Scarborough ...	29.71	37	NNN	4	bc	29.55	— .13	38	36	—	1	NNN	2	o	3	43	32	—	
York ...	29.74	37	NNN	1	bc	29.54	— .19	37	36	—	1	NNN	1	o	*	45	29	—	
Nottingham ...	29.78	36	NNN	1	bc	29.64	— .15	34	33	—	4	NNN	1	o	*	?	27	0.29	
Ardrossan ...	29.80	38	NN	4	bc	29.68	— .09	45	42	+	5	NNN	2	o	1	46	37	0.01	
Greencastle ...	29.92	38	N	3	og	29.85	.00	44	42	+	5	NNN	4	o	*	46	35	0.79	
Donaghadee ...	29.87	38	NNN	6	+	29.73	— .11	45	44	+	7	NNN	7	+	6	46	38	0.35	
Kingstown ...	29.95	40	NNN	4	o	29.88	— .06	38	36	—	3	NNN	6	bc	5	?	35	0.05	
Holyhead ...	29.85	42	NN	6	bc	29.73	— .13	45	43	—	1	NN	8	ugh	6	47	38	0.30	
Liverpool (Bidston) ...	29.68	42	S	2	bc	29.64	— .16	43	42	—	2	NNN	6	o	5	45	39	0.13	
Valencia ...	30.12	47	N	5	og	30.17	+ .03	44	39	—	4	N	5	cp	4	52	40	0.14	
Roche's Point ...	30.08	45	N	6	o	30.10	+ .04	42	38	—	4	N	5	bc	4	49	37	0.03	
Pembroke ...	29.88	46	NN	5	o	29.91	— .05	44	41	—	3	NN	6	bc	4	48	40	0.02	
Portishead ...	29.81	42	NNN	6	o	29.83	— .05	40	38	—	4	N	7	og	5	46	35	0.06	
Scilly ...	29.98	47	NNN	8	og	30.04	— .02	46	41	—	4	NNN	8	o	6	52	44	0.20	
Plymouth ...	29.88	43	NN	3	bc	29.95	— .02	37	36	—	6	NN	3	bc	*	50	35	0.24	
Hurst Castle ...	29.78	42	NN	2	o	29.83	— .04	39	37	—	5	NN	4	bc	4	49	33	0.01	
Dover ...	29.76	44	N	2	bc	29.74	— .01	34	33	—	9	NNN	3	bc	2	46	32	—	
London ...	29.78	42	N	3	odp	29.75	— .05	35	34	—	6	N	2	os	*	46	32	—	
Oxford ...	29.78	39	NN	1	f	29.74	— .10	35	34	—	6	SH	4	o	*	44	33	—	
Cambridge ...	29.75	43	SH	1	o	29.67	— .10	33	33	—	7	SH	2	o	*	48	30	?	
Yarmouth ...	29.70	40	NNN	3	o	29.65	+ .02	33	32	—	9	N	2	cm	3	44	29	0.05	
The Helder ...	*	*	*	*	*	29.60	+ .19	42	40	—	1	N	2	o	*	*	*	0.32	
Cape Gris Nez ...	29.76	45	NN	2	m	29.76	— .02	39	37	—	6	NN	4	bc	3	48	37	—	
Jersey ...	29.86	45	NN	6	o	29.95	— .03	43	40	—	5	NN	6	og	5	49	40	0.29	
Brest ...	29.99	52	NNN	5	bc	30.01	— .06	45	41	—	5	N	5	f	4	54	39	0.12	
L'Orient ...	30.01	50	NN	6	+	30.07	— .04	43	39	—	3	NN	4	o	4	54	39	0.08	
Rocheport ...	30.04	55	NN	6	o	30.01	— .07	48	46	—	4	NN	7	o	7	68	43	0.32	
Biarritz ...	30.14	59	NNN	5	+	30.06	— .09	57	52	+	2	NNN	6	+	5	61	50	0.32	
Corunna ...	*	*	*	*	*	30.30	— .02	53	*	o	0	NE	3	o	5	*	*	*	
Brussels ...	*	*	*	*	*	29.71	+ .06	37	36	—	5	SH	4	o	*	47	36	0.04	
Charleville ...	*	*	*	*	*	29.66	— .06	39	*	—	3	N	1	o	*	*	*	*	
Paris ...	29.88	43	NNN	2	+	29.88	— .02	38	37	—	6	NN	2	bc	*	*	*	—	
Lyons ...	*	*	*	*	*	29.86	— .17	50	*	—	4	SE	2	o	*	*	*	*	
Toulon ...	29.97	50	NN	6	bc	29.95	+ .02	50	46	+	2	NN	5	o	7	57	43	0.16	

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

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.28	43	41	ENE	2	o	2	Valencia .....	30.06	52	48	NN	4	og	5
Thurso .....	29.65	39	37	NNN	5	bc	5	Scilly .....	29.99	51	48	NNN	8	og	6
Scarborough ...	29.69	42	39	NNN	4	c	4	London .....	29.78	46	42	NN	4	o	*
Greencastle ...	29.89	40	38	NNN	4	g.h.p	*	Rocheport ...	30.05	54	38	NNN	4	e	3
Holyhead ...	29.82	45	40	NN	4	thp	4								

Pressure is changing very irregularly. It is now decreasing rather briskly at our SH stations, and the wind at Scilly has increased to a fresh gale which is veering N.W. In London the sky has gradually become overcast, and a solar halo was seen soon after noon.

Mullaghmore	30.01	43	N	7	o	30.00	+ .06	45	43	+	1	N	7	Regul	6	46	35	0.23
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## EXPLANATION OF COLUMNS

**WEATHER.**—Beaufort scale is, b. blue sky, c. detached clouds, d. drizzling rain, f. fog, g. dark, gloomy, h. hail, l. lightning, m. misty (hazy), o. overcast, p. passing showers, q. squally, r. rain, s. snow, t. thunder, u. ugly, threatening, v. visibility, unusual transparency, w. dew.

\* AN ASTERISK is inserted in all places for which information is not usually received.

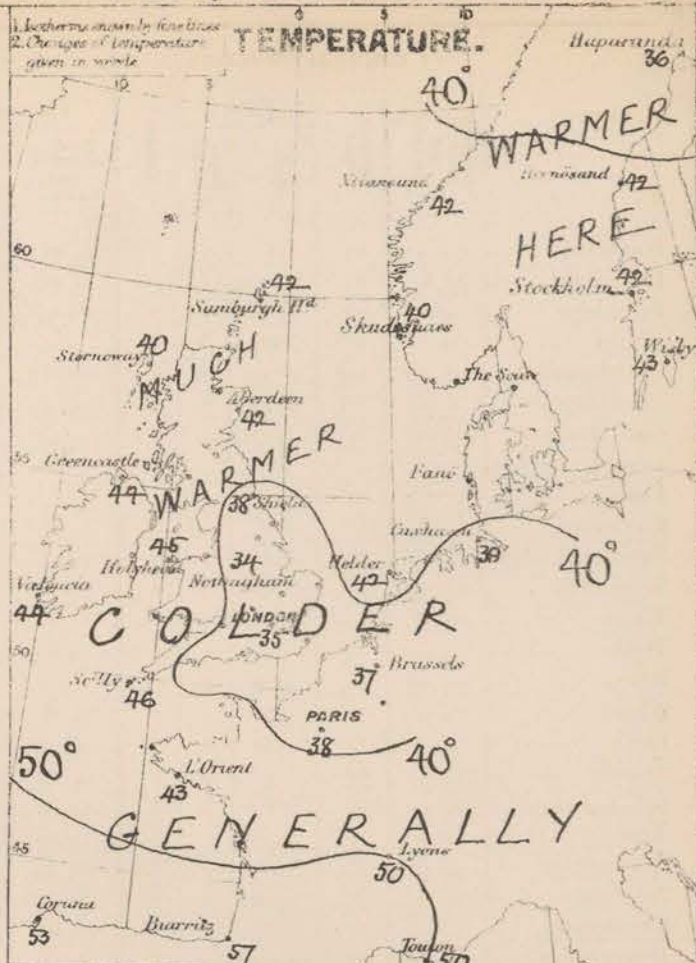
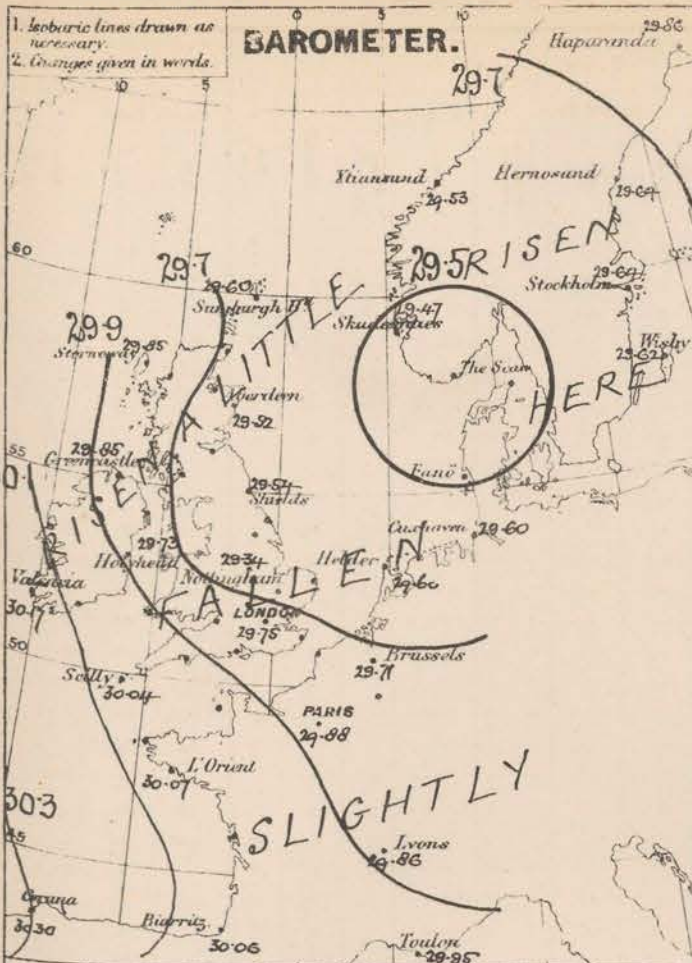
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.



## WEATHER CHARTS

for 8 a.m. on Wednesday 30<sup>th</sup> Oct<sup>r</sup> 1873



A dotted line is drawn round all our coats where the signals have been twisted.



**REMARKS.** Weather is overcast and gloomy except at some of the extreme S<sup>e</sup> and SW<sup>e</sup> stations, cold rain is falling in several places, showers of hail at Holyhead and Llangy, snow at Nottingham, Cambridge and in London. Showers of snow hail or cold rain falls except on our S. and E. coasts yesterday. Thunderstorms occurred in the N. and E., "smoke suns" were seen at Nottingham, and a solar halo in London. Temperatures has risen several degrees in the N. and NW (as much as 11° at Wick) but has fallen over England and France. There (45°) is 12° warmer than Cambridge this morning. Wind is N<sup>e</sup> in the N. and blows a gale in several places, it is strong and equally from NW in the W, moderate from the same quarter in the S, and light from W or NW in the E. Sea is very high in the Fax N, rough in the W and SW, moderate in the E.

Barometrical Indications. The depression noticed yesterday still lies over the North Sea, and secondary disturbances appear to be passing along its W-side (i.e. down our NE. and E. coast) in a SE<sup>e</sup> direction, causing the N<sup>e</sup> wind to increase to a gale over our Islands as they pass, and keeping the weather in a very unsettled state.

Warnings. Our W. N. and E. coasts have been again warned this morning, and the warning extended to the Channel also.

Meteorological Office,  
116 Victoria Street, Westminster S.W.  
R. H. SCOTT.

Subscription for these Charts payable in advance to cover delivery. Unbound by hand 10/- per quarter. Book post 5/- per quarter.

Meteorological Office,  
116, Victoria Street, Westminster, S. W.

R. H. SCOTT.

Secretary.



# DAILY WEATHER REPORT

OCT 31<sup>st</sup>

1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY										LAST 24 HOURS		
	Barometer at 320 ft. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 3).	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 320 ft. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.93	40	S	2	r	29.96	+ .10	40	40	+ 4	SE	2	r	*	41	34	0.20	
Hernösand ...	29.83	39	Z	0	f	29.88	+ .24	39	39	- 3	NN	2	c	*	*	*	0.20	
Stockholm ...	29.80	40	Z	0	b	29.65	+ .01	41	41	- 1	N	4	o	*	*	*	-	
Wisby ...	29.70	39	S	2	b	29.54	- .08	44	42	+ 1	NE	4	r	*	*	*	0.08	
Christiansund ...	29.69	42	NE	3	o	29.78	+ .25	41	40	- 1	SE	1	o	4	45	36	-	
Skudesnaes ...	29.63	40	NNE	2	b	29.69	+ .22	39	36	- 1	ENE	2	b	2	45	39	-	
Oxö (Xtiansand)	29.60	44	NNN	4	c	29.67	+ .22	41	40	0	N	4	o	2	45	37	-	
Skagen (The Sound)	29.65	44	SW	2	b	29.71	+ .26	41	40	- 1	SSE	2	b	2	45	37	-	
Fanö ...	29.65	41	S	2	c	29.69	+ .15	38	38	- 3	SSE	2	bc	*	46	32	0.04	
Cuxhaven ...	29.69	42	SSW	1	c	29.74	+ .14	33	33	- 6	SSW	1	b	*	?	30	-	
Sumburgh Head	29.86	41	NNE	7	bc	29.88	+ .28	38	37	- 4	N	5	bc	3	44	36	0.21	
Stornoway	30.12	40	NNE	4	o	30.07	+ .22	35	35	- 5	NNE	6	bcsp	8	43	33	0.07	
Thurso ...	29.90	43	NNE	8	o	29.99	+ .29	42	41	- 3	NNE	5	c	6	46	38	0.14	
Wick ...	29.90	43	NNE	7	o	29.96	+ .30	39	38	- 5	NN	2	b	1	46	35	0.01	
Nairn ...	29.91	44	NNN	8	o	30.02	+ .34	38	36	- 6	NN	5	b	4	45	36	0.05	
Aberdeen ...	29.71	43	N	3	r	29.90	+ .38	39	37	- 3	NNN	3	b	3	45	39	0.49	
Leith ...	29.75	44	NE	4	o	29.95	+ .37	39	38	- 3	N	3	c	*	45	38	0.28	
Shields ...	29.70	44	N	3	bc	29.86	+ .32	43	41	+ 5	NNE	6	r	6	47	37	0.55	
Scarborough	29.67	44	?	2	b	29.79	+ .24	46	44	+ 8	N	4	o	4	46	38	0.34	
York ...	29.64	43	NN	2	b	29.81	+ .27	41	40	+ 4	N	3	r	*	47	34	0.04	
Nottingham ...	29.71	39	Z	0	bc	29.87	+ .33	38	37	+ 4	NN	1	o	*	45	30	0.02	
Ardrossan ...	29.82	45	NN	5	c	29.98	+ .30	36	32	- 9	NNN	1	b	0	48	36	-	
Greencastle ...	29.95	45	N	5	o	30.06	+ .21	42	37	- 2	N	3	o	*	48	40	0.20	
Donaghadee ...	29.86	47	NN	8	c	30.02	+ .29	42	38	- 3	NNE	6	bc	5	48	42	0.01	
Kingstown ...	29.92	44	NNN	6	b	30.04	+ .16	41	41	+ 3	NNN	5	bc	5	48	37	0.01	
Holyhead ...	29.78	48	NNN	9	c	29.97	+ .24	45	42	0	NNE	5	c	4	51	44	0.32	
Liverpool (Bidston)	29.75	43	?	3	bc	29.93	+ .29	43	40	0	?	3	o	3	48	40	0.04	
Valencia ...	30.14	48	N	4	c	30.16	- .01	41	39	- 3	N	3	bcsp	2	50	33	0.05	
Roche's Point...	30.08	45	N	6	b	30.10	0.02	41	37	- 1	N	5	b	4	50	38	-	
Pembroke ...	29.88	48	NN	7	c	29.95	+ .04	44	43	0	N	3	bcsp	2	49	40	0.33	
Portishead ...																		
Seilly ...	30.01	50	NN	8	c	29.98	- .06	49	47	+ 3	N	6	bcsp	5	50	45	0.04	
Plymouth ...	29.88	45	NN	4	b	29.92	- .03	39	38	+ 2	N	2	b	*	51	37	0.07	
Hurst Castle ...	29.72	44	NN	5	o	29.89	+ .06	38	37	- 1	N	2	bc	2	48	35	0.02	
Dover ...	29.69	39	NN	3	b	29.83	+ .09	37	36	+ 3	NN	4	bc	2	43	33	0.05	
London ...	29.69	44	NNN	3	o	29.87	+ .12	38	37	+ 3	NNN	1	bc	*	46	32	0.02	
Oxford ...	29.71	43	N	1	o	29.92	+ .18	33	33	- 2	NN	1	b	*	46	32	0.10	
Cambridge ...	29.67	38	N	1	o	29.86	+ .19	32	32	- 1	NN	1	b	*	43	31	0.06	
Yarmouth ...	29.65	37	N	1	c	29.79	+ .14	35	35	+ 2	NNN	2	bc	2	38	31	0.04	
The Helder ...	*	*	*	*	*	29.76	+ .16	39	37	- 3	N	1	c	*	*	*	0.04	
Cape Gris Nez	29.70	45	NN	4	c	29.82	+ .12	43	41	+ 4	NNN	3	bc	3	46	37	0.12	
Jersey ...	29.87	49	NNN	7	bc	29.91	- .04	45	42	+ 2	N	2	c	3	50	42	0.08	
Brest ...	30.09	44	NNN	4	o	30.00	- .01	48	43	+ 3	N	4	o	4	50	36	0.12	
L'Orient ...	30.07	46	NNN	4	b	30.00	- .07	46	?	+ 3	NN	4	b	3	50	39	-	
Rochefort ...	30.10	54	NN	4	bc	30.01	0.09	45	45	0	NN	4	o	3	63	41	0.08	
Biarritz ...	30.17	57	NNN	3	o	30.04	- .13	44	50	- 3	SW	5	o	3	61	46	0.28	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	29.78	+ .07	36	35	- 1	N	1	c	*	43	36	0.12	
Charleville ...	*	*	*	*	*	29.73	+ .07	36	*	- 3	N	1	c	*	*	*	*	
Paris ...	29.86	43	?	4	o	29.89	+ .01	41	40	+ 3	N	2	c	0	*	*	0.08	
Lyons ...	*	*	*	*	*	30.05	+ .19	45	*	- 5	SE	?	o	*	*	*	*	
Toulon ...	29.97	48	NN	6	bc	30.06	+ .11	57	52	+ 7	NN	5	b	5	?	37	0.12	

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

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.58	42	37	NNE	2	of	2	Valencia .....	30.15	49	43	NNN	5	bc	5
Thurso .....	29.82	45	45	NNE	8	py	6	Seilly .....	30.03	49	45	NN	8	c	6
Scarborough ...	29.59	40	42	NN	2	of	3	London .....	29.68	44	42	NNN	3	c	*
Greencastle ...	29.93	43	41	N	4	tg	*	Rochefort ...	30.09	50	43	NN	6	bc	6
Holyhead .....	?	50	46	NN	9	eg	7								

The barometer is now rising at all but our SW stations, and the wind is veering N<sup>th</sup> on our E. coasts. There is strong gales are reported in the Irish Channel this afternoon, but in the E. the wind is light at present.

Mullaghmore	30.06	44	N	6	c	30.13	+ .07	41	40	- 4	NN	2	bc	2	49	40	0.10
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## EXPLANATION OF COLUMNS

**WEATHER**—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

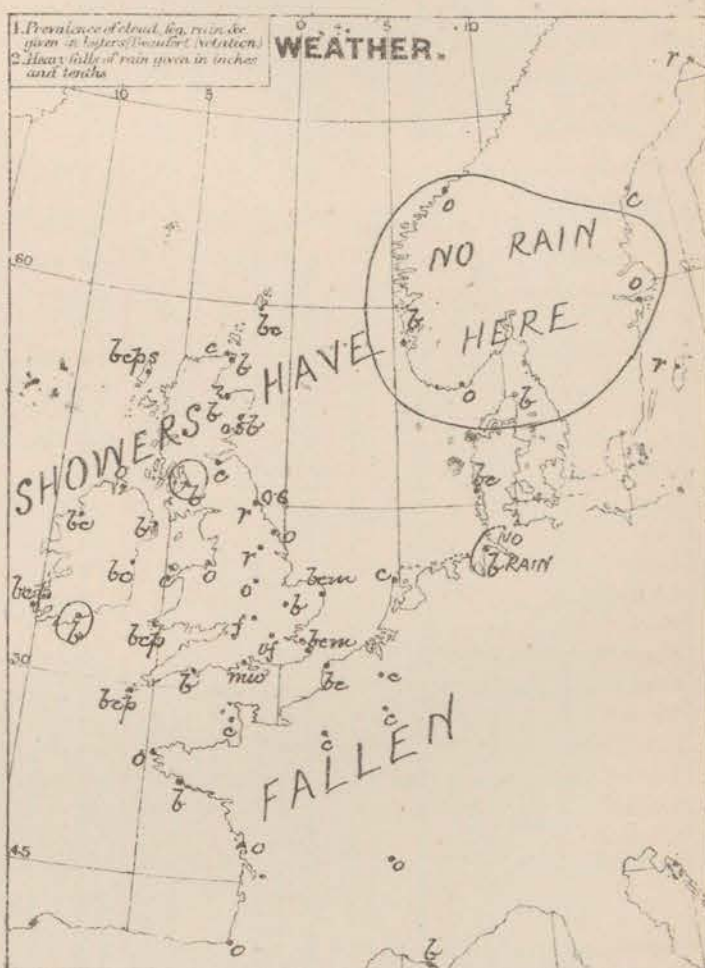
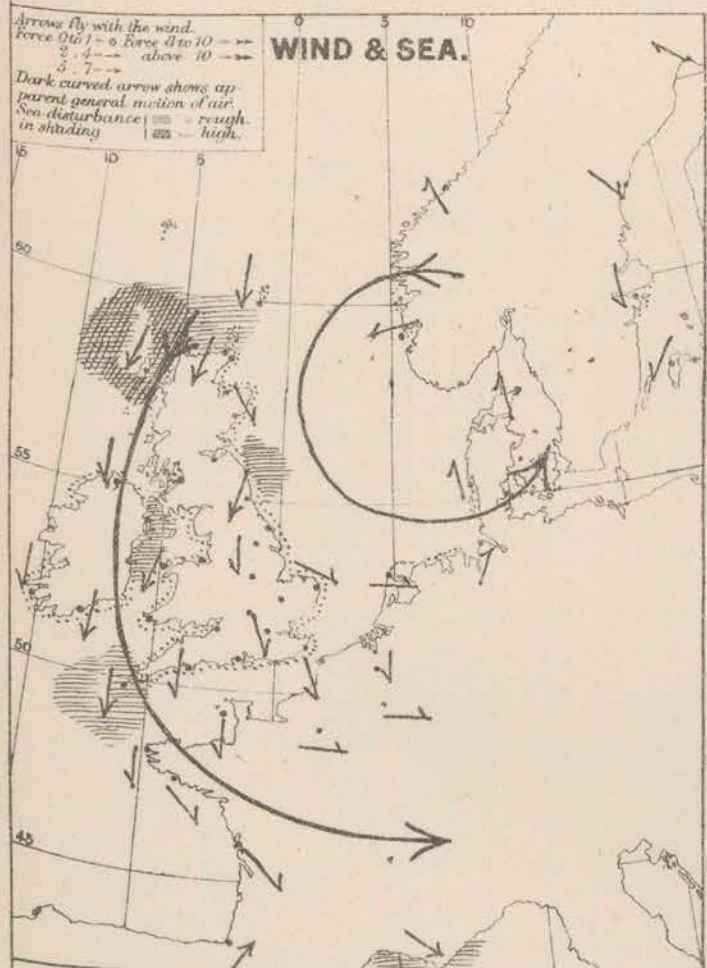
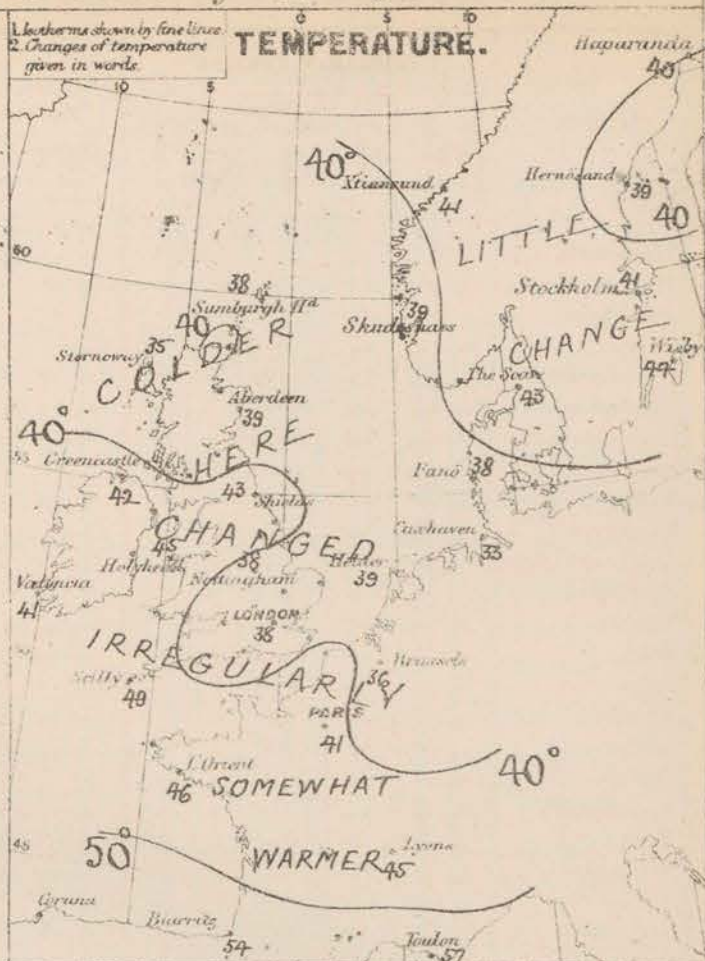
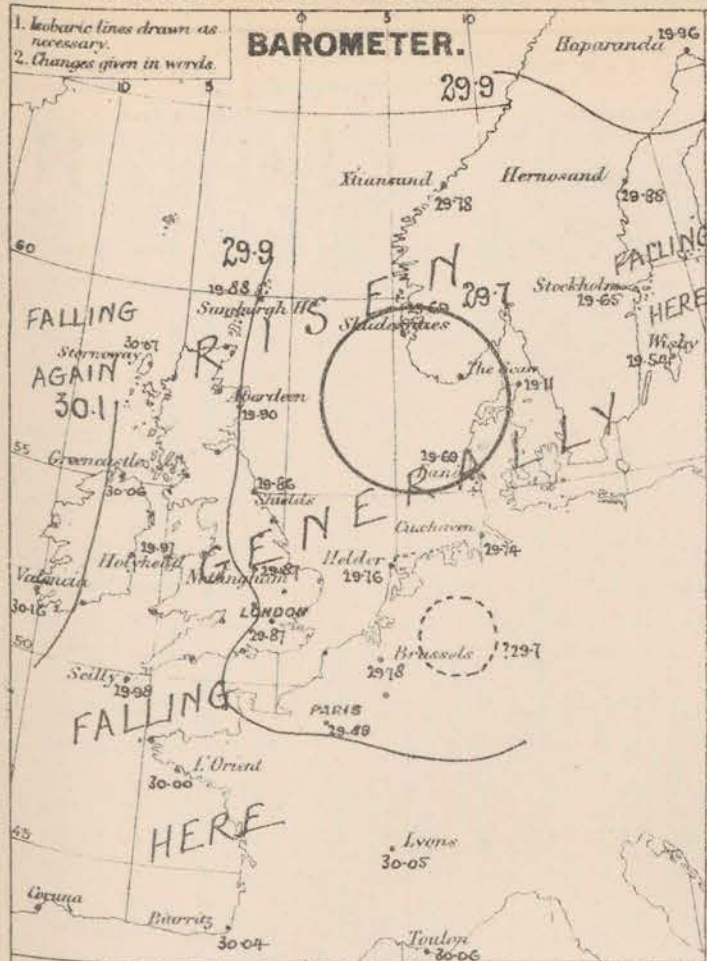
\* AN ASTERISK is inserted in all places for which information is not usually received.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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



WEATHER CHARTS for 8 a.m. on Thursday 31<sup>st</sup> OCT.<sup>r</sup> 1878



Note. As depicted this is drawn needs an extra as the signals are still up.

REMARKS. Weather is at present clear at many of our N<sup>n</sup> stations, and fair in the NW, but is variable over England, rain in some places foggy in others, and showery off our SW coasts. In France it is cloudy but fair. A good deal of snow and old snow has fallen over several parts of the British Kingdom in the course of the first 24 hours. 0.6 in. being reported from Shields, 0.5 in. at Aldeburgh, 0.3 in. at Newbroke. In London the fall was very slight although it continued for some hours. Lightning was seen at Jersey last evening. Temperature has now fallen again in the N, but changed irregularly over England and risen a little in most parts of France; it is still low generally for the time of year. Wind is now N<sup>n</sup> in all parts of our Islands, and blows strongly in many parts of our NW, N<sup>n</sup> and NE coasts. In the Netherlands it is light from W, in Denmark from SSE, and in the W. of Norway from E. It blows a stiff gale from N. and NW at many of our N and W<sup>n</sup> stations yesterday. Sea is still high in the Irish, and rough in the NW and NE, and at Scilly, but is smooth in the Channel, and off our SE coast. Barometrical Indications. The depression over the E<sup>n</sup> part of the North Sea is being gradually filled up and a secondary depression off our E. coast this morning and the N<sup>n</sup> wind is rising at the mouth of the Tyne. Pressure is inclined to give way again on our extreme N<sup>n</sup> coasts, and as settled weather is probable.

Warnings. The North Sea is still up to all our coasts.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 10/- per quarter, book post 5/- per quarter.

Meteorological Office,  
116, Victoria Street, Westminster, S. W.

R. H. SCOTT.

Secretary



## CORRECTIONS AND ADDITIONS TO THE REPORTS FOR OCTOBER 1878

## 1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PART 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 2.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
1 <sup>st</sup>	Paris . . . .	29.98	59	W	3	0	30.07	+20	54	53	+3	SSW	2	0	*	*	*	0.24	
"	Mullaghmore	29.83	53	WNW	5	1	30.03	+32	52	52	0	NNE	5	bc	3	60	51	0.04	
2 <sup>nd</sup>	Mullaghmore.	30.17	53	E	4	6	30.17	+14	51	49	-1	SSE	4	c	2	57	47	-	
"	Corunna . . . .	*	*	*	*	*	30.59	?	56	*	?	NE	1	b	5	*	*	*	
3 <sup>rd</sup>	Mullaghmore.	30.07	57	SSW	4	12	30.04	-13	57	56	+6	SW	4	c	3	58	50	0.07	
"	Corunna . . . .	*	*	*	*	*	30.14	-45	61	*	+5	?	?	c	2	*	*	*	
4 <sup>th</sup>	Mullaghmore	30.00	60	SSE	3	0	29.90	-14	55	?	-2	ESE	5	bc	3	63	55	0.07	
"	Corunna . . . .	*	*	*	*	*	30.11	-03	63	*	+2	S	?	c	2	*	*	*	
5 <sup>th</sup>	Corunna . . . .	*	*	*	*	*	30.02	-09	64	*	+1	?	?	c	2	*	*	*	
6 <sup>th</sup>	Mullaghmore	29.70	63	SE	5	c	29.47	-35	60	59	0	SSE	5	0	4	65	58	0.18	
7 <sup>th</sup>	Corunna . . . .	*	*	*	*	*	29.69	?	64	*	-2	S	9	c	7	*	*	*	
9 <sup>th</sup>	Corunna . . . .	*	*	*	*	*	29.92	?	62	*	?	S	9	c	7	*	*	*	
10 <sup>th</sup>	Biarritz . . . .	29.84	70	SSE	2	bc	30.01	+02	59	55	-4	SW	3	bc	7	77	54	0.24	
"	Corunna . . . .	*	*	*	*	*	30.11	+19	60	*	-2	W	9	cf	7	*	*	*	
"	Paris . . . . .	29.79	59	S	4	bc	29.69	-23	58	56	+6	SSW	5	0	*	*	*	0.08	
11 <sup>th</sup>	Corunna . . . .	*	*	*	*	*	30.19	+08	55	*	-5	WNW	6	c	7	*	*	*	
12 <sup>th</sup>	Corunna . . . .	*	*	*	*	*	30.21	+02	54	*	-1	NE	3	c	7	*	*	*	
14 <sup>th</sup>	Corunna . . . .	*	*	*	*	*	29.90	-28	59	*	+1	SW	3	c	1	*	*	*	
"	Paris . . . . .	30.30	45	Z	0	b	30.13	-26	44	43	+3	NNE	3	b	*	*	*	-	
15 <sup>th</sup>	Corunna . . . .	*	*	*	*	*	29.81	-09	56	*	-3	N	9	orf	7	*	*	*	
16 <sup>th</sup>	Biarritz . . . .	29.80	66	ENE	1	b	29.92	+16	61	54	+2	ESE	2	bc	4	75	50	-	
"	Corunna . . . .	*	*	*	*	*	29.99	+18	56	*	0	NE	1	b	5	*	*	*	
"	Paris . . . . .	29.97	47	Z	0	b	30.07	+14	42	41	+6	NE	1	f	*	*	*	*	
17 <sup>th</sup>	Corunna . . . .	*	*	*	*	*	29.94	-05	57	*	+1	S	3	od	1	*	*	*	
18 <sup>th</sup>	Corunna . . . .	*	*	*	*	*	29.73	-21	55	*	-2	W	?	c	5	*	*	*	
21 <sup>st</sup>	Corunna . . . .	*	*	*	*	*	29.77	+11	54	*	+6	W	6	en	5	*	*	*	
22 <sup>nd</sup>	Corunna . . . .	*	*	*	*	*	29.77	00	59	*	+5	SW	3	c	1	*	*	*	
23 <sup>rd</sup>	Corunna . . . .	*	*	*	*	*	30.09	+32	57	*	-2	SW	3	cf	5	*	*	*	
24 <sup>th</sup>	Corunna . . . .	*	*	*	*	*	?	?	59	*	+2	SW	6	cf	7	*	*	*	
25 <sup>th</sup>	Haparanda . .	29.59	44	SE	4	bc	29.40	-32	46	46	+3	SE	4	bc	*	46	39	0.32	
"	Hermösand . .	29.55	37	Z	0	b	29.42	?	39	39	-9	SW	2	c	*	*	*	-	
"	Stockholm . .	29.58	42	SSE	2	b	29.26	-32	48	47	+6	SE	6	bc	*	*	*	0.04	
"	Widby . . . . .	29.64	42	S	4	0	29.32	-31	49	47	+2	SSW	8	bc	*	*	*	0.08	
"	Mullaghmore .	29.13	48	W	5	c	29.13	-06	48	46	+1	WNW	5	ohg	4	50	45	0.50	
"	Corunna . . . .	*	*	*	*	*	?	?	58	*	-1	SW	6	en	5	*	*	*	
26 <sup>th</sup>	Corunna . . . .	*	*	*	*	*	29.83	?	57	*	-1	SW	6	c	5	*	*	*	
28 <sup>th</sup>	Corunna . . . .	*	*	*	*	*	30.13	?	51	*	?	NE	3	c	5	*	*	*	
29 <sup>th</sup>	Corunna . . . .	*	*	*	*	*	30.32	+19	53	*	+2	NE	3	cf	5	*	*	*	
30 <sup>th</sup>	Skagerran . . .	29.37	45	NE	2	b	29.45	+09	42	41	-4	WSW	4	c	4	48	36	0.91	
"	Faro . . . . .	29.39	43	WNW	6	c	29.54	+23	41	41	-4	WSW	4	c	*	48	37	0.55	
31 <sup>st</sup>	Corunna . . . .	*	*	*	*	*	30.11	-19	52	*	-1	NE	1	c	1	*	*	*	



## 1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY. (continued)

[illegible]